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H2020 Agrofood sector Partnership Profiles Catalogue 2015



*Sector Group Agrofood
Enterprise Europe Network*



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Background

This Catalogue has been developed as a joint initiative by the members of the Enterprise Europe Network – Sector Group Agrofood. The main aim is to encourage the Participation of SMEs in the Agrofood theme of Horizon2020 Programme.

A transition is needed towards an optimal and renewable use of biological resources and towards sustainable primary production and processing systems. These systems will need to produce more food, fibre and other bio-based products with minimised inputs, environmental impact and greenhouse gas emissions, and with enhanced ecosystem services, zero waste and adequate societal value.

Agriculture, forestry, fisheries and aquaculture, together with the bio-based industries, are integral parts of the European economy and society. Relying on the use of limited natural resources, these sectors produce and process biological resources to satisfy the demand of consumers and a wide range of industries for food, feed, bio-energy and bio-based products. While they enhance Europe's self-reliance and provide jobs and business opportunities essential for rural, coastal and marine areas, these sectors are also facing significant challenges which require solutions based on research and innovation.

The H2020 – Agrofood Partnerships Profiles Catalogue intends to be an effective tool to promote the participation of European SMEs, R&D groups and Technological centres at European Funding Programmes.

Most of the profiles included in this Catalogue are focused to the specific topics published in the current open calls related to Societal Challenge 2: "Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy"

Moreover, profiles in other H2020 areas related to the agrofood sector have also been published in this catalogue.

For more information on the open calls, you can access the Participants Portal's website of the European Commission:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

For more information on this catalogue, please contact Ms. Cristina Cabeza, *Enterprise Europe Network – CESEAND*, cristina.cabeza@juntadeandalucia.es or +34 955 007 497

Enterprise Europe Network

The Enterprise Europe Network offers support and advice to businesses across Europe and helps them make the most of the opportunities in the European Union. Our services are specifically designed for small and medium enterprises (SMEs) but are also available to all businesses, research centres and Universities across Europe.

The [Enterprise Europe Network](#) is the largest network of contact points providing information and advice to EU companies on EU matters, in particular small and medium enterprises (SMEs). We provide practical answers to specific questions in your language.

The Network offers concrete and effective solutions to entrepreneurs and companies in more than 50 countries, including the 27 EU member states, three EU candidate countries (Croatia, the former Yugoslav Republic of Macedonia and Turkey), members of the European Economic Area (EEA) and other participating third countries.

The Enterprise Europe Network is unique both in terms of its wide geographic reach and of the wide range of integrated services it provides to SMEs and other business actors. This is made possible thanks to the coordinated action of nearly 600 local partner organisations, employing around 4.000 experienced staff working to support the competitiveness of EU businesses.

Launched in 2008 by the European Commission, the Enterprise Europe Network offers a “one-stop shop” to meet all the information needs of SMEs and companies in Europe.

Sector Group Agrofood

The agrofood industry is the largest manufacturing sector in Europe. This is a complex sector, composed by a large number of SMEs with very different profiles, lengths, and business areas. Innovation plays in this sector a key role to be competitive, but due to the complexity of the sector it is necessary to make an additional effort to reach the companies taking into account the different sectors realities. This is the reason for the creation of the Agrofood Sector Group within the Enterprise Europe Network. The Agrofood Sector Group is a bottom up activity from Enterprise Europe Network partners who have in their region a high number of companies working in the agrofood sector and want to impulse their innovation process.

The mission of the Agrofood Sector Group is to enhance cooperation on the agrofood area of the Enterprise Europe Network.

Every member is committed to develop the ASG within their own geographical area. They are coming together in this Sector Group because they recognise the increasing potential of international activity in this industrial field, and moreover, because the service to their clients can be improved by they can serve their clients better by focusing on this specific sector.

The main objective is twofold, to contribute to raising the innovation capacity of the SMEs through the information, promotion of technology transfer and business cooperation and to feedback the EC policies in the agrofood sector with the real interests of the industry.

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Partner Search



ALÍCIA FOUNDATION, FOOD&SCIENCE, PRIVATE FOUNDATION

*PARTNER SEARCH from SPAIN
R&D Institution*

ORGANIZATION

General activity

Alícia (Ali-mentació i cièn-cia, acronym for Food&Science), a not-for-profit Foundation created in 2003, is a research centre devoted to technological innovation in cuisine, improvement of eating habits and evaluation of food and gastronomic heritage. We have social vocation, open to everyone to promote healthy eating.

Alícia is structured around three functional areas whose tasks are interrelated:

1. Gastronomic and scientific research;
2. Health and eating habits;
3. Food Heritage.

Organization size: 10-49

PROJECT

TITLE: New mountain genetic resources for a healthy social agriculture: practical approaches for food security in the mountains

Acronym: To be decided

Outline of the project idea

Maintenance of mountain agriculture is both a challenge and an opportunity for society, rural areas are being abandoned and the croplands left to no use due to a difficult crop management context as well as lack of appropriate mechanization. In this context innovative use of underutilised genetic resources can bring lands back to production with sustainable and ecological agriculture of specialized crop varieties characterized by their quality, healthy and nutritional profile. Recovery of

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mountain crop production adds a relevant perspective to food security, that can be scaled across European mountain areas. Social farming strategies in these specialized mountain crops adds an holistic social value to rural communities, bringing employment opportunities for needed social groups. The project plans to develop field test in production conditions, quality & nutritional tests, trial commercialization, and awareness raising. Existing social farming organisations will be part of the project from its design to final phase. ALICIA and its partners are looking at legumes, quinoa and potato as specialized and underutilised mountain crops, and are open to other suggestions by interested parties.

Current state of development: Idea

Foreseen project duration: 36-48 months

Partners already involved

Fundació Catalunya - La Pedrera AgroSocial Network (Spain)

CALL

Title and reference number: SFS-7-B/2015: Genetic resources and agricultural diversity for food security, productivity and resilience,

Link to the call document:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2339-sfs-07b-2015.html#tab1>

PARTNER Sought

Expected role in the project/ Type of organisation sought

This is an initial open call to interested parties in the field of mountain agriculture, quality nutritious production, social farming and quality label production.

Countries/ regions: Any across Europe as well as third countries, accordingly to the topic call

Deadline for responding: 20/09/2014

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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Postcode: 8008

City: Barcelona

Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

E-mail: cpenya@gencat.cat

Partner Search



C.I.F.P. MARITIMO ZAPORITO

PARTNER SEARCH from SPAIN

R&D Institution

ORGANIZATION

General activity

Aquaculture Training Centre

Organization size: 10-49

PROJECT

TITLE: Project for the development of the aquaculture reproduction cycle of *Chelon labrosus*

Acronym: To be decided

Outline of the project idea

Thanks to a national innovation project called "Optimización del proceso de maduración y desove del mugílido (*Chelon labrosus*)" we got to have spawned samples of this species, which are still owned by all the centres that took part on this project before. We all keep samples of the species in fattening period that will get to their first maturity next year. We believe that this species could be appropriate to be produced by sustainable aquaculture, since it is omnivorous and it seems to be available in European seas. We have created a union between education centres all around the world with the proper installations needed to test and close the reproductive cycle of this species. Our centre would coordinate the rest of the education centres and the logistics related to the species between the centres and the rest of companies or research centers that can be located anywhere in Europe, guaranteeing the survival and well-being of the species. Five centres own breeders and two year old samples in fattening stage suitable to close the reproductive cycle in captivity.

Current state of development: Idea

Foreseen project duration: 24-36 months

Partners already involved

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Research Centre on Marine Biotechnology (Germany), Aquaculture Technological Centre (Spain), Universities (Spain), Research and training Centres (Spain)

CALL

Title and reference number: SFS11 – 2014 / 2015: Implementing of an eco-system-based approach for European aquaculture

Link to the call document:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2341-sfs-11b-2015.html>

PARTNER Sought

Expected role in the project/ Type of organisation sought

Companies and research centers located in middle and north Europe that can develop and apply the necessary techniques to achieve the reproduction of this species and be able to elaborate a suitable diet for each of the phases in its development, using recirculating water to fatten the samples.

Countries/ regions: France, Sweden, Germany, Sweden, Norway, Holland, Iceland, Denmark

Deadline for responding: 30/09/2014

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

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Partner Search



AQUACULTURE TECHNOLOGICAL CENTER OF ANDALUCIA-CTAQUA

*PARTNER SEARCH from SPAIN
Technological Centre*

ORGANIZATION

General activity

CTAQUA is a non-profit private foundation focused on applied research in aquaculture, innovation, sustainability and education within the aquaculture sector. We are in close contact with aquafarm companies (inland and offshore) and other related activities entities.

Organization size: 10-49

PROJECT

TITLE: Early prevention of mollusks disease in productive systems

Acronym: MOLLUKS TOOLBOX

Outline of the project idea

Mollusks diseases are a serious concern in the production of the species and strong handicap for the production companies. The problem affects as the single production of mollusks as well the integration of mollusk cultivation within IMTA systems (Integrated Multitrophic Aquaculture). To count with prevention tools and mitigation measurements are key factors to ensure the stable production of mollusks in Europe. Oyster culture, problem diseases, international network

Current state of development: Proposal under development

Foreseen project duration: 3 years

Partners already involved

Research Centre on Aquaculture and Companies Association (Spain)

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CALL

Title and reference number: SFS-10-2015 Tackling diseases related challenges and threats faced by european farming aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases.

Link to the call document:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2340-sfs-10b-2015.html>

PARTNER Sought

Expected role in the project/ Type of organisation sought

Academic partners, research institutes with previous experience in mollusks diseases and in project coordination.

Countries/ regions: France, UK, Ireland, Italy, Portugal....

Deadline for responding: 31/08/2014

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile

 **FUNDACION CENTRO TECNOLÓGICO ANDALUZ DEL SECTOR CÁRNICO (TEICA)**

Technological Centre

*PROFILE from Spain
(15ES001)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Teica has become innovation service meat companies, agribusiness and auxiliary, expanding its business base. Teica activity, which has been growing exponentially, it's focused on three priority areas: R&D, technical assistance and training, it is framed within the strategic lines are: direct service to companies, testing demanded by the industry, engineering support and process optimization, technology transfer, documentary support and training of all levels (basic, intermediate, technicians and managers). Teica has advised the meat sector companies in the deployment of processes and actions which represent and environmental improvement. This is the case of the implantation of the ISO 14001 Norm in companies, advising to enterprises in the accomplishment of environmental improvement actions within the program ECOINNOCAMARAS, and studying the viability of a biogas plant in the region using as substrates the meat industry residues. On the other hand, within A2TRANSFER (POPTec program, FEDER funds) and TRATECAR (REINDUS program) projects, Teica has made technology transfer activities based on improving production processes that make companies more environmentally sustainable. During the course of A2TRANSFER, TEICA has made a technological diagnosis of the meat sector along the entire product value chain ; detecting various technological deficiencies and subsequently performing technology transfer activities to overcome them. In the project RETCETEC (POCTEFEX program, FEDER funds) development , TEICA has developed five prototypes of 5th range healthy halal dishes. The same way, Teica technicians have participated as speakers at various seminars for environmental improvement. Teica has a laboratory which performs all types of analytical to the meat sector companies, including sewage, and a pilot plant for the development of new processes. TEICA

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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collaborate with diverse ecological cattle and breeders. TEICA has carried out works for the enhancement of ecological lamb sheep breed Lojena, in collaboration with the association ACROL.

Expertise offered (related to the topic)

Teica has its own laboratory, which are made shelf life studies, nutritional studies, lipid profile, determination of pathogens, sensorial characterization, sensorial differentiation, meat quality and textures studies and environmental quality analysis. Technical staff of the entity performing work of technical advice for cattle and breeders focused on improve processes, genetic improvement, improved animal welfare, extensive livestock differentiation. On the other hand the foundation carries out technology transfer, training and organizes forums for stakeholders

Previous FP experience

TEICA has participated as principal beneficiary or as a partner in various calls of 7FP, the projects submitted were EVIPER, MICROGEST and NEWGOATPRO. TEICA has participated as principal beneficiary or as a partner in various calls of LIFE program, Modelling Biocontrol of *Listeria monocytogenes* in the Meat Industry, DEHESA VALOR and REWATER. Teica has carried out several projects financed by FEADER and FEDER funds. Programs POPTEC, POCTEFEX and GDR-FEADER. TEICA has worked on a project supported by FEADER funds, which has assessed the viability of Iberian pig grazing in the chestnut. On the other hand, in the LIFE 20012 call, TEICA request funding to carry out the project DEHESA VALOR, Project which aims to promote the sustainable use of the Dehesa, through differentiation of products from the same. Teica throughout the project A2TRANSFER, cooperates with cattlemen and breeders of Spanish and Portuguese autochthonous breeds animals.

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES002)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusiness. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We performs the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS7MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation ad packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD counts with specialized infrastructure (laboratories, pilot plants for meat and dairy products, experimental kitchen, sensory laboratory) to offer a complete service in assessing the quality and safety of different products: physicochemical, sensorial and microbiological characterization, new product development, shelf life studies, microbial challenge test, food toxins and allergen detection, HACCP assistance.

IDEALFOOD has adopted Quality Management Systems in its general activities to ensure an efficient and high quality services.

IDEALFOOD has been supporting companies in the 6th and 7th Framework Program (BRIDGE and BIOFOS, respectively projects). Within the first project, it was possible to study the application of RFID in the processing of Spanish Iberian ham for traceability and storage management. IDEALFOOD has also been involved in other calls as IBEROEKA and EUREKA, the last one in collaboration with companies and RTD in Norway, and Europe.

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK003)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

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Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES004)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrates, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and
- Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in

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Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with a heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has always felt at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: results integrated in REDIAM Portal,
<http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeals to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

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Expertise offered (related to the topic)

Because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

Geographica would like to hereby express our greatest interest in collaborating in projects under the issue C. Assessing sustainability of terrestrial livestock production [2015] based on research and innovation about socio-geographic and demographic changes of farming community and projections, including the dimensions of territories and elaborating indicators . We think that the initiatives promoted are really challenging for an organization like Geographica with experience in geospatial technologies that integrates, analyze, and display data and spatial information, reporting, creation of indicators in real time, make hypothetical scenarios, projections and comparisons of them, and perform evolutive studies.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators . This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

We have experience contributing to European Project´s consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user's forums, shared calendars and contacts, and project planning

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methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)

- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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City: Sevilla

Country: Spain

Contact person: Jaime Durán

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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES005)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES006)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

- * Design and implementation of robotic systems

- * Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

- * Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Role in the project

Research; Training; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Contact person: Jaime Durán

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Partnership Profile



WADI ATTIR ORGANIZATION

SME

*PROFILE from Israel
(15IL379)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Project Wadi Attir is developing a demonstration site for sustainable production of organic livestock products, under rehabilitation of degraded dryland soil, control of erosion and desertification by agroforestry, integrated waste recovery and reuse using organic farming technologies. Soil and productivity improvements are being recorded, together with biodiversity, and sustainability parameters such as GHG and nutrient balances, socioeconomic factors etc are being monitored and recorded for dissemination.

Expertise offered (related to the topic)

Soil analysis in drylands, restoration of desertified soils, erosion control by agroforestry, biodiversity assessment, GHG balance, water and nutrient balance, soil hydrology, sustainable livestock management, socioeconomic impact of development, livestock management and manufacturing of organic milk products, oil and fruit in drylands, waste recovery and recycling.

Previous FP experience

Dr Stefan Leu has participated in and coordinated several FP7 projects in agriculture and microalgal biotechnology

Role in the project

Training; Tech. Development; Management; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

Contact person: Uri Fishelson

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E-mail: uri@iserd.org.il

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 <small>Business Support on Your Doorstep</small>  <small>AGROFOOD</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <small>HORIZON 2020</small>
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Partnership Profile

 **C.I.S.A.O. – INTERDEPARTMENTAL CENTRE OF RESEARCH AND COLLABORATION WITH SAHELIAN AND WEST AFRICAN COUNTRIES**

R&D Institution

*PROFILE from Italy
(15IT007)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

C.I.S.A.O. – Interdepartmental Centre of Research and Collaboration with Sahelian and West African Countries To this centre belong researchers and professors of Departments of the University of Turin, Public Research Institutions and independents technical and teaching assistants.

The departments involved are:

- Department of Chemistry;
- Department of Economy "S. Cagnetti De Martiis";
- Department of Agricultural, Forest and Food Sciences and Technologies;
- Department of Veterinary Sciences;
- Department of Geological Sciences;
- Department of Cultures, Politics and Societies.

Principal activities of the centre are the coordination of decentralized projects funded by the Piedmont Region in the 2000 in the programme "Fight against poverty and food security". Every year new projects develop different activities such as animal production, animal health, conservation of endangered breeds, agricultural productions, economics researches (cooperatives, women associations), environmental protection activities, etc. Moreover the centre has been involved in

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many other projects, such as the IAO Gender Project (Italian Foreign Ministry – DGCS), the UNI.COO. Project (University of Turin – Foundation of Casse di Risparmio del Piemonte), 4CITIESXDEV (Europeaid).

On October 2013 has begun the Higher Education Program EU-ACP titled R.U.S.S.A.D.E. (Network of Sahelian Universities for Food Security and Environmental Sustainability – FED/2013/320-115). The overall objective of the project is to mobilize knowledge and know-how to fight hunger and poverty and to increase environmental care in a sustainable development perspective, improving life conditions of the population and reducing the gender gaps in employment access and in sharing knowledge. The specific objective is to enhance higher education systems through Master courses to give technical, scientific and methodological bases to the students, allowing them to manage natural resources and to improve agriculture and food security with an multidisciplinary and interdisciplinary approach.

Expertise offered (related to the topic)

The main objective is the improvement of the conditions of life of the sub-Saharan populations and the eradication of extreme poverty and hunger.

The opportunity of a multidisciplinary approach, even in a defined circle (i.e. a rural community), is really important because leaving from single and specific interventions it can support the others through the immediate transfer of the results of the various experiences. The single activities for the last decade are:

- monitoring and improving milk production (quantitative and qualitative controls) and animal nutrition in Niger (Toukounous Station) and in Burkina Faso (Groupement d'éleveur Ben Kadi – Bobo Dioulasso);
- conservation programme of the Somba cattle breed in the Atacora Region, North Benin (Boukombé and Natitingou);
- epidemiologic controls (infections and tick diseases) in the peri-urban area of Bobo Dioulasso, Burkina Faso, and in Mali;
- goat breed selection programme in S. Antao Island (Cape Verde);
- sanitary controls for a traditional cheese production in S. Antao Island (Cape Verde);
- use of natural insecticides in Sahel;
- support to beekeeping in Niger, Burkina Faso and Mali;
- support to good management of garbage in Cape Verde, scholar educational programme;

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- management of protected areas and natural parks in Senegal and Burkina Faso;
- support to women associations in Burkina Faso;
- support to farmer's associations and cooperatives in Senegal and Burkina Faso;
- recycling of plastic refusals in Niger.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

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Country: Italy

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Partnership Profile

 **FRANKENFOERDER FORSCHUNGSGESELLSCHAFT MBH**

R&D Institution

*PROFILE from Germany
(15DE008)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Frankenfoerder Forschungsgesellschaft (FFG) was established in 1991. The FFG is based in Luckenwalde (Brandenburg) and has a scientific department in Berlin. Applied research in the field of agriculture, veterinary medicine and nutrition is the main focus of the non –profit Research Foundation. With permanently employed staff, a team of freelance collaborators and a wide network of national and international partners the FFG perceives itself as a link between science and practice. The FFG has a broad spectrum of research and development expert knowledge and carries out applied research and development for the benefit of small and medium-size-businesses. The know-how for healthy food and innovative products as well as the creation of optimal conditions for healthy animals could and can be applied in different research projects, for example:

- Network "ProtectAnimal": innovative modern technologies, methods and products for sustainable livestock production
- Development of an innovative multifunction box for sensor based care and treatment of hooves and teats in cows including the monitoring of animal health
- Development of a practice rapid test to determine the total bio burden of liquid media

Expertise offered (related to the topic)

In the constant process of change, especially in agriculture, veterinary medicine and nutrition, new challenges for innovative products and techniques are required. The Frankenfoerder Forschungsgesellschaft provides the know-how for the industry.

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Core competencies agriculture and veterinary medicine:

- Animal monitoring systems
- Development of methods for early diagnosis and prevention of diseases of large and small animals
- Development of strategies for the sustainable control of pathogens in all stages of the animal production, slaughter and processing
- Alternative solutions for the replacement of antibiotics
- Examinations of husbandry conditions and their influence on animal behavior
- Status determination of health and fertility of the livestock

Previous FP experience

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

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Partnership Profile

 **RESEARCH GROUP: "GASTROINTESTINAL HEALTH" (AGR259). ESTACIÓN EXPERIMENTAL DEL ZAIDÍN (CSIC)**

R&D Institution

*PROFILE from Spain
(15ES009)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC) is the largest public multidisciplinary research organisation in Spain. CSIC collaborates with national and International universities, public RTD organisations, SMEs, companies and other institutions of a scientific/technological nature. It has a staff of more than 13,500 employees, among these about 3,500 are permanent researchers and more than 4,000 are pre- and post-doctoral researchers. The CSIC has 135 institutes or centres distributed throughout Spain, including 51 Joint Research Units with universities or other research institutions. There is also a delegation in Brussels. It has considerable experience in both participating and managing RTD projects and training of research personnel. Under the 6th Framework Programme CSIC has signed 404 actions (of which 37 coordinated by CSIC). CSIC has been the 5th organisation in Europe in project execution and funding in the 6th Framework Programme. Under the 7th Framework Programme CSIC has signed as of today more than 440 projects (including 42 coordinated by CSIC as well as 22 ERC).

Expertise offered (related to the topic)

Our group (called Gastrintestinal Health) has contributed significantly to the development of the use of additives in animal production by means of scientific publications and collaborations with the industry (contracts, patents, etc.).

From a scientific point of view, we are interested in the study of the governing intestinal microbiota equilibrium in pigs and broiler chickens. These studies may also open new ways to modulate the

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intestinal microbiota to our benefit, and to improve welfare conditions in animals (pigs) and birds (poultry). From a practical point of view, we expect to help develop the strategies and/or products able to improve the situation of Animal Production in Europe.

Our contribution as a research lab is mainly related to clarify the mechanism of action of additives potentially effective in poultry and swine production. This will be achieved by studying the effects on intestinal microbiota equilibrium, performance parameters and immune system status.

The group's research activity is devoted to studies on animal (single-stomached), and human nutrition. Work is firstly focused on nutrient and energy utilization, and to identify specific events and compounds involved in the metabolic response to food intake. In farm animal studies, attention is chiefly paid to pigs and poultry. The main task is the assessment of their balanced nutrition within sustainable, environmentally friendly animal production systems. The study of the mechanisms of action and biological effects in productive (swine, poultry) and laboratory (rat) animals of bioactive substances is one of the main research topics of this group. Some specific problems addressed are: 1) to determine the nutritional value of chemically well defined, purified fractions (proteins, carbohydrates, lipids) from feed- or foodstuffs; 2) the local (intestine) and/or systemic mechanisms of action of purified compounds such as protease inhibitors, prebiotics, etc.; 3) the potential usefulness of dietary compounds as functional feed or food ingredients on gut microbiota, protein and lipid metabolism, cell growth, etc. together with the mechanisms involved.

Group's recently granted projects on topics closely related to that of the present proposal:

- 2009-2013. Biological effects of pea (*Pisum sativum*) proteins. (PET2008- 0311).
- 2011-2012. Production and characterization of new oligosaccharides from milk whey permeates (POII10-0178-4685).
- 2010-2012. Evaluation of feed additives with potential microbiota modulation effects in growing broiler chickens. (AGL 2009-11925).
- 2013-2015. Evaluación de aditivos antimicrobianos y estudio de la correlación entre la composición de la microbiota digestiva y parámetros fisiológicos y productivos en broilers (AGL 2012-32894).

Previous FP experience

Participation in:

1.- Proposal number : 315063

Call : FP7-SME-2012

Natural ingredients and probiotics in animal nutrition for the reduction of Salmonella incidence in the poultry business (NATURSALM).

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2.- 311949: Innovative tools for a holistic value-chain approach in the European pork and poultry industry, leading to profitability, animal welfare, meat quality and care for the environment (MOSAIC).

KBBE.2012.1.3-03: Monogastrics Feed Efficiency - Efficiency of livestock digestive systems and reduction of the ecological footprint through a combination of systems biology, 'omics' and nutrition.

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Country: Spain

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Partnership Profile



**RESEARCH GROUP: "ANIMAL PRODUCTION TECHNOLOGY"
(AGR233) UNIVERSITY OF SEVILLE**

R&D Institution

*PROFILE from Spain
(15ES010)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research and teach

TITLE: "Mise en place d'un reseau euromediterraneen technique et professionnel pour la protection, la porpmotion et le developpement territorial du patrimoine fromager artidanal mediterraneen (MIREDAF)".

DATE: 2003- 2006

TITLE: Proyecto Interreg III-A. Caracterización de los sectores caprinos marroquí y español. Límites técnicos para su desarrollo.

DATE: 2004-2006

TITLE: Competitividad y gestión de los sistemas productivos de caprino extensivo autóctono de Andalucía, Extremadura y Castilla-La Mancha: manejo sostenible, eficiencia reproductiva y optimización de recursos.

DATE: 2004-2006

TITLE: Proyecto Interreg III-A. Caracterización de los sectores caprinos marroquí y español. Límites técnicos para su desarrollo.

DATE: 2004-2006

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TITLE: La conversión de los sistemas de producción caprina de sierra a ganadería ecológica: potencialidad, viabilidad y estrategias de cambio” (Exp.. 92162/1).

DATE: 2005- 2008

TITLE: Incidencia sobre la calidad de los productos y el medio ambiente de los diferentes sistemas de ganaderías con pequeños rumiantes de aptitud lechera. Empleo de indicadores sociales, económicos y ambientales y tipificación final de sistemas (RTA2010-00064-C04-02).

DATE: 2010- 2013

TITLE: Elaboración plan de fomento de la ganadería extensiva ecológica y de la comercialización de sus productos.

DATE: 2013

TITLE: Propuesta para la elaboración de un sistema de índices del precio de la leche de cabra.

DATE: 2013

Expertise offered (related to the topic)

Characterization and typification of small ruminant systems

Pastoralism

Agroecology and organic systems

Sustainability analysis of ruminant systems

Previous FP experience

Two Interreg project, Network FAO CIHEAM for small ruminants

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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City: Sevilla

Country: Spain

Contact person: Laura Valle

Telephone: +34 955007482

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Partnership Profile

 **RESEARCH GROUP: "CHARACTERIZATION AND CONSERVATION OF DOMESTIC ANIMAL GENETICS RESOURCES FOR RURAL DEVELOPMENT" (AGR134)**

R&D Institution

*PROFILE from Spain
(15ES011)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Research Group 'Characterization and Preservation of Genetic Resources of Domestic Animals for Rural Development' (AGR-134) was founded in 1991 as a part of the 'Andalusian Research Plan' promoted by the Andalusian Regional Government.

The research team is composed of subject matter experts and veterinaries from several public institutions and private enterprises, such as:

- The University of Córdoba.
- FEAGAS (Federation of Farmers' Unions)
- The Loyola University.
- Fish and Agriculture Council from Andalusian and other Regional Governments.
- IDTACA, Ltd.

Some innovative methodologies set in place by the group are:

- Optimization of Phenotypic Characterization methods in the broader sense, including animals, environment and production systems.
- Genetic Variability Analysis using molecular markers.
- Phylogenetic studies.

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- Identification of genetic markers of special interest for production or adaptation processes.
- Ethological studies of autochthonous races and their interaction with the environment, considering individual behavioural patterns.
- Social-Economic Analysis of livestock resources and DAnGR (Domestic animals Genetic Resources) optimization.
- Characterization of the quality of final products (meat, milk, wool, etc).

Relevant R&D projects:

We have taken part in several projects support by FEDER grants(National Plan of I+D+i). Program and Strategic Action from INIA: Conservation of Genetic Resources of Food-processing Interest

"Caracterización y evaluación de las razas bovinas Berrendas. Diseño y gestión de los planes de conservación" (RZ00-00-017).

"Identificación del estado de conservación y planes de recuperación de las razas bovinas andaluzas en peligro de extinción" (RZ04-00-013).

"Caracterización Socioeconómica, productiva y genética de la raza Bovina Pajuna. Bases para el desarrollo de estrategias para su preservación, conservación y desarrollo sostenible" (RZ-02-007)

"Caracterización y evaluación de razas caprinas autóctonas españolas de orientación cárnica:" (RZ01-010-C3-1)

"Geografía del caprino español en riesgo de extinción. Caracterización de razas, agrupaciones y ecotipos" (RZ2004-00010-00-00).

"Caracterización Fenotípica De La Agrupación Caprina De Las Mesetas" (RZ2008-00021-00-00)

"Estudio de la repercusión del bienestar animal en el sistema de producción del ganado caprino de carne en las razas Blanca Celtibérica, Negra Serrana-Castiza y Blanca Andaluza. Análisis económico y de la calidad del producto". (RZ2004-00010-00-00)

"Evaluación de la calidad higiénico-sanitaria y tecnológica de la leche de raza Manchega como instrumento para la mejora de la viabilidad socio-económica y ambiental de los sistemas productivos de ovino lechero" (RZ2008-00021-00-00)

Also, we have taken part in several cooperation projects (PCI- AECID) in North Morocco about DAnGR Conservation and Rural Developement:

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The research group has collaborated in the characterization of races of ruminants of Latin America (Araucanian sheep from Chile, Creole goat from Puebla(México), Casanare Creole cattle from Colombia, etc)

Expertise offered (related to the topic)

The research studies within the sphere of the characterization and preservation of genetic resources have led to successfully achieve the following goals:

- Identification and cataloguing in a number of both Spanish and Latin-American autochthonous races utilized in extensive production systems.
- Inventory of autochthonous livestock patrimony.
- Plans for the improvement and preservation of autochthonous races.
- Support to farmers in the implementation of the aforementioned plans.
- Proposals and strategies aimed to improve the profitability of resources, their commercialization and possible alternative uses.

Role in the project

Research; Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



RESEARCH GROUP: "FÍSICA DEL PLASMA: DIAGNOSIS, MODELO Y APLICACIONES" (FQM-136) UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES012)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our group has a long history of the study of the Plasma in its different aspects, from theoretical point of view as experimental. In the last years, we are working in the industrial application of this plasma, especially in the destruction of industrial waste. Result of this work is the development of different spanish patent to destruction of Volate Organics Compound and the design of a Chamber specially useful for waste destruction techniques. Also, we have stated to work in the application of plasma for the agriculture and livestock industries by development of technologies for remediation of pollutants delivered into the environment . Plasma treatment of samples from different scenarios (farms, industries...) enables us to know the capability of non thermal plasmas to destroy gases derived from these activities (greenhouse gases, ammoniac...).

This research was developed in the frame and support of the following National Projects:

1. FIS2009-11191. "Reactor de plasma de gran volumen basado en descargas de onda de superficie producidas en estructura coaxial". 72.600,00 € Antonio Gamero Rojas, 1-C
2. FIS2005-02840. "Descargas de microondas para aplicaciones en lámparas de iluminación". 104.720,00 €, Antonio Gamero Rojas, 2-C
3. CTQ2005-04974. "Desarrollo y optimización de métodos basados en plasmas de microondas para la destrucción y eliminación de compuestos bext y derivados". 77.350,00 €, Antonio Rodero Serrano, 1-C

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4. PPQ2001-2537. "Destrucción y detección de residuos peligrosos mediante procesado con plasmas de alta frecuencia (radiofrecuencia y microondas)", 150.403,28 €, M. Carmen Quintero Ortega, 1-C

Expertise offered (related to the topic)

Our research group has extensive experience in different topics related with the plasma with helping to a successful development of Project inside the frame of this Programme:

- Spectroscopic diagnosis techniques
- Electromagnetic diagnosis techniques
- Collisional Radiative Models of Plasma.
- Kinetic Models of Plasma
- Gas chromatography
- Mass Chromatography
- Laser Induced Breakdown Spectroscopy
- Waste destruction by plasma
- Lighting by Plasma.

Previous FP experience

We have been involved in different national and international Project related to the Plasma studies and to the use of this device to industrial application.

Our group belongs to the research teams of the Agrifood Campus of International Excellence CEIA3, led by the University of Cordoba.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Partnership Profile



**RESEARCH GROUP: "GEOGRAPHIC ANALYSIS" (HUM776).
UNIVERSITY OF MALAGA**

R&D Institution

*PROFILE from Spain
(15ES013)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

1. Integration of Evaluation System of Land Aptitude for extensive grazing use, based on the carrying capacity determination, with the Lands Vulnerability Evaluation, based on the soil determination vulnerability to degradation. 2. Design an Evaluation System of the Lands Aptitude / Vulnerability for the sustainable grazing use in the studied lands. 3. Elaborate Geographical Information Systems (GIS) and Remote Sensing applied to the Land Aptitude / Vulnerability for the sustainable grazing use planification

Expertise offered (related to the topic)

Development of alternative sustainable users for degraded pastures. Sustainable land uses. Adaptation of crops to natural soil conditions.

Previous FP experience

Project 1: Participatory Development of Alternative Sustainable Uses for Degraded Pastures in Central America, financed by the Norwegian Ministry of Foreign Affairs and carried out by the Livestock and Environmental Management (GAMMA) program of the Tropical Agricultural Research and Higher Education Centre (CATIE), 01/07/2003 - 31/07/2007. Main researcher: Muhammad Ibrahim. Projects 2 and 3. Manejo Sostenible de Territorios Agropecuarios en Mesoamérica (MESOTERRA). Programa Agroambiental Mesoamericano (MAP1 and MAP2), financed by the Norwegian Ministry of Foreign Affairs and carried out by the Livestock and Environmental Management (GAMMA) program of the Tropical Agricultural Research and Higher Education Centre

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(CATIE), 01/01/2009 - 31/12/2012 (MAP1), 01/01/2013 - 31/12/2016 (MAP2). Main researcher: Muhammad Ibrahim.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



**RESEARCH GROUP: "SILVOPASTORALISM" (AGR221).
CENTRO IFAPA HINOJOSA DEL DUQUE**

R&D Institution

*PROFILE from Spain
(15ES014)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS.

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Expertise offered (related to the topic)

Some of the members of the IFAPA team in Agroforestry Systems and Extensive Livestock have been working in this subject since 1999, specially in the areas of economic and environmental problems affecting the farms in the "Dehesas" (mediterranean oak open woodlands), evaluation of public policies on sustainability of silvopastoral systems, developing more sustainable and efficient grazing patterns and promoting management to strenght farms facing the climate change.

Specifically the research has been focused on:

- (a) evaluating corn and pasture production *Quercus ilex* "Dehesas",
- (b) analyzing the effects of management practices (grazing patterns, pruning, fertilizing) on sustainability of agroforestry systems (fertility, compaction, capacity of carbon sinks and erosion in soils and status and acorn production of trees),
- (c) developing methodologies to improve the tree regeneration in "Dehesas",
- (d) strategies to prevent and control the root rot in *Quercus*,
- (e) development of environmental indicators to assess mediterranean open woodlands sustainability and
- (f) agroforestry products analysis (cork, acorn, tree and crop leaves) by NIRS technology.

Also the IFAPA team in Agroforestry Systems and Extensive Livestock has taken part in research projects (regional, national and worldwide) with public and private partnerships, related with agroforestry system sustainability. It has also participated in training and educational programs to transfer methodologies and practices to improve sustainability of agroforestry systems for students and farmers (University of Córdoba, International University of Andalusia, Andalusian School of Shepherds).

Previous FP experience

2012-2017

- Title LIFE BIODEHESA: Dehesa ecosystems:development of policies and tools for biodiversity conservation and management
- Head researcher: JOSE EMILIO GUERRERO GINEL
- Department of Forestry (University of Córdoba-Spain), Department of Forest Pathology (University of Córdoba-Spain), Institute of Agricultural and Fishing Research and Education (IFAPA), Departments of Environment and Agriculture of the Regional Government of Andalusia and several dehesa associations (ASAJA, COAG, UPA, FAECA, ENCINAL and APROCA)

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- 8.000.000 €. European Union, Departments of Environment and Agriculture of the Regional Government of Andalusia, (LIFE+11/BIO/ES/000726))

- Role in the project: Researcher

2011-2013

- Control of holm oak root disease in rangeland ecosystems: biofumigation, fertilization and natural and induced resistance.

- Head researcher: MARIA DEL PILAR FERNANDEZ REBOLLO

- Department of Forestry (University of Córdoba-Spain), Department of Forest Pathology (University of Córdoba-Spain), Institute for Sustainable Agriculture (IAS-CSIC Córdoba) and Technical University of Madrid-Spain

- 125,872 €. Department of Innovation, Science and Business of the Regional Government of Andalusia, Spain (AGR-6501)

- Role in the project: Researcher

2011.

- Experimental models of agroforestry systems in olive groves

- Head researcher: JOSÉ EMILIO GUERRERO GINEL

- Department of Forestry (University of Córdoba-Spain), Department of Animal Production (University of Córdoba-Spain), Institute of Agricultural and Fishing Research and Education (IFAPA-Andalusia), Rural Development Group of Southern (Córdoba-Spain)

- 70,000 €. Spanish Ministry of Agricultura

- Role in the project: Researcher

2010-2012:

- Cultural and biological control of the root disease caused by *P. cinnamomi* in oak rangelands ecosystems: variability, stress response and clonal propagation of Holm oak (*Quercus ilex* L.).

- Head researcher: MARIA ESPERANZA SÁNCHEZ HERNÁNDEZ

- Department of Forestry (University of Córdoba-Spain), Department of Forest Pathology (University of Córdoba-Spain), Physical and Chemical Department (University of Algarve-Portugal)

- 80,000 €. Spanish Ministry of Science and Innovation (AGL2009-1224-C02-01) Role in the project: Researcher

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2009-2012

- Established and emerging Phytophthora: increasing threats to woodland and forest ecosystems in Europe
- Head researcher: MARIA ESPERANZA SÁNCHEZ HERNÁNDEZ
- 480,000 €. European Union, COST Action FP0801. VII Framework
- Role in the project: Researcher

2009-2012.

- Methodology to control Agroenvironmental programs and Afforestation Programs in Andalucía (Spain).
- Head researcher: MARIA DEL PILAR FERNANDEZ REBOLLO
- Department of Forestry (University of Córdoba-Spain), Department of Animal Production (University of Córdoba-Spain), Institute of Agricultural and Fishing Research and Education (IFAPA-Andalusia)
- 750,000 €. Department of Agriculture of the Regional Government of Andalusia, Spain
- Role in the project: Researcher

2009.

- Development Plan to Iberian Pig group
- Head researcher: PABLO LARA VÉLEZ
- Department of Forestry (University of Córdoba-Spain), Department of Animal Production (University of Córdoba-Spain), Institute of Agricultural and Fishing Research and Education (IFAPA-Andalusia)
- 63,800 €. Spanish Ministry of Agriculture
- Role in the project: Researcher

2007-2010.

- Oak decline effects on agrosilvopastoral farms in Andalucía
- Head researcher: MARIA DEL PILAR FERNANDEZ REBOLLO
- Department of Forestry (University of Córdoba-Spain), Department of Forest Pathology (University of Córdoba-Spain), Department of Agroforestry Sciences (University of Huelva-Spain) and

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Department of public health of the Department of Agriculture of the Regional Government of Andalusia

- 230.000 €. Department of Agriculture of the Regional Government of Andalusia, Spain

- Role in the project: Researcher

2006-2008.

- Development of new ways to make up hyperspectral sensors (LIDAR, digital cameras and infrared) Desarrollo de nuevos protocolos de integración de sensores LIDAR, cámara digital, IR cercano e hiperspectral.

- Head researcher: JOSE EMILIO GUERRERO GINEL

- Department of Forestry (University of Córdoba-Spain), Department of Animal Production (University of Córdoba-Spain), TRAGSATEC (Spanish Ministry of Environment), and Technical University of Madrid-Spain.

- 206,480 €. Spanish Ministry of Industry, Tourism and Business (PROFIT (FIT-330221-2006-10)

- Role in the project: Researcher

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile

 **TECHNOLOGIES FOR INDUSTRIAL BIOPRODUCTS
DEVELOPMENT - UNIVERSITY OF SANTIAGO DE
COMPOSTELA**

R&D Institution

*PROFILE from Spain
(15ES015)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

TIBD from University of Santiago de Compostela was created by joining two groups, the first one with a wide experience regarding the research of the extraction of flavonoids and other polyphenols from plants and bioactive components from seaweeds, the second one with a wide experience in drying processes, food rheology and research on gluten-free dough. The main research topics are the development of ultrasound-assisted processes for seaweed extraction of bioactive components, preparation characterisation of gluten-free dough, convective drying and the characterization of starch-based functional foods including extracts from plants and seaweeds.

Previous projects that define our expertise are the following :

"Technological flair for the industrial processing of gluten-free flour doughs. Additives and Thermomechanical and Rheological characterization." CTQ 2010-15309/PPQ. Ramón Felipe Moreira Martinez. National Grant. 01/2011-12/2013.

"Obtaining of algae liquid extracts from Galician coast resources as an added value product to be used in agriculture and cosmetics". PGIDIT10MMA007CT. Jorge Sineiro Torres. Regional Grant. 08/2010-09/2013.

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"Evolution of the physical-chemical properties of systems with high content of starch obtained in osmotic-convective drying processes and rheological characterization of the mixture with water." National Grant. Ramón Felipe Moreira Martinez. CTQ 2007-62009/PPQ. 08/2007-08/2010

"Obtaining of taylor-made proanthocyanidinic fractions for grape marc and other subproducts." María José Núñez García. National Grant. AGL-2006-1210-C03-03. 10/2006-09/2009.

Expertise offered (related to the topic)

Our experience is oriented to obtaining functional starch-derived foods by extraction of bioactive compounds from seaweeds to be applied gluten-free fortified dough, which can be studied at all stages of processing, from flour preparation to cooking.

Our facilities include pilot-plant ultrasound processing unit DrHielsher, two convective pilot-plant dryers, rheometer for dynamic rheology Anton Paar, rotary and capillar viscometers, micronizer Retsch, surface tension measurement Lauda, Mixolab unit for preparing and charactrisation of dough, climatic chamber Angelonni 250, two gel filtration preparative columns (7x100 cm), UV detector for chromatography columns, chromatography A/D converter and software eDAQ, fractions collector Bio-Rad, Freeze Dryer FTS Kinetics EZDry, ultrafreezer New Brunswick, rotary incubator New Brunswick Innova40, HPLC Jasco, spectrophotometer Jasco UV530.

Previous FP experience

Jorge Sineiro participated in OLNOCO Project from IV Framework Programme, which was developed by Universidad de Santiago de Compostela (coordinator, Spain), Universidad Catolica de Valparaíso, Intituto de Biotecnología (UNAM , Mexico), Universidade do Porto (Portugal) and Universidad de Vigo (Spain).

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

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Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES375)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork ,Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 6006

City: Badajoz

Country: Spain

Contact person: María García Rosa

Telephone: 34924014600

Fax: 34924001996

E-mail: maria.garcia@fundecyt-pctex.es

Partnership Profile



ACRUGA ASOCIACIÓN NACIONAL DE CRIADORES DE GANADO VACUNO SELECTO DE LA RAZA RUBIA GALLEGA

Other organization (consulting, associations,...)

*PROFILE from SPAIN
(15ES016)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The "Asociación de Criadores de Ganado Vacuno Selecto de Raza Rubia Gallega" (ACRUGA), was founded in 1969 and is a non-profit entity registered in the Registry of the European Union of pure breeds, having as main objectives the defense, protection, selection, promotion and expansion of beef cattle Rubia Gallega breed in the EU and third countries.

Currently we are 2,500 families exploiting this kind of beef, with relatively few cattle (12 head in 2000), most of them with a medium size (28 heads in 2013), but in all cases with a similar management.

The Rubia Gallega farms are medium size and have a semi-extensive production system, with an upward trend to more extensive production but compatible with the environment. The perfect adaptation of the Rubia Gallega to the socioeconomic conditions of Galicia achieved the necessary balance between the economic and ecological framework and with the population (represented by families with a traditional production systems of this breed which are characterized by land use in a lasting way and the maintenance of a good relationship with crop production).

The objective of selecting the Rubia Gallega breed is to produce a raised calf by hand providing an attractive meat, nice pink color, juicy and tender, with a composition of muscle and balanced fat to provide a particularly delicious flavor, finding the love of something authentic, natural and healthy.

The most important lines of work of ACRUGA in recent years are related to the genetic evaluation of reproductive animals and estimation of genetic trend by forecasting, genotyping of breeding of stud

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book , research advocacy gene myostatin as an indicator of calving ease and in the study of the organoleptic characteristics of meat , growth control birth and weaning of all animals entered in the stud book, an activity which aims to add growth control of heifers until puberty and first birth, after the creation of a heifer breeding center in Lugo province.

All these lines have been developed in collaboration with the University of Zaragoza and the University of Santiago de Compostela.

Expertise offered (related to the topic)

ACRUGA has a lot of experience related to the studies about the general conformation of "Rubia Gallega". We seek to know more or less the degree of performance or effective utility that the animal can provide.

On previous studies developed by ACRUGA in the period of the last 20 years, we have detected greater tendency to animals raised, shorter length and lower thoracic perimeter. In parallel, the animals seem to have wider and narrower chest and hip circumference with lower leg.

Furthermore, our studies shown differences between the different production areas (it is very interesting the areas of mountain with a favorable structure to pasture are accompanied by good conformation of the meat).

In addition, we have experience in modeling studies in other countries as Brazil and using different animals as the crossbred Nelore + Rubia Gallega;

Finally, in order to show our extended experience in that field, it must to know that we intend to introduce in our breeding center 200 animals per year, from all areas, and we are studing the evolution of growth and nutritional plans better suited to the development of the animal, thereby seeking the ideal type that best suits extensive production, reinforcing the idea "system- size ", since parents with whom they mate, must have diversity of biotypes in order to satisfy the different needs of the market.

In our research projects, we collaborate with the University of Zaragoza in special, about the process of the genetic evaluation of these animals.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

Partnership Profile



FARMERS AND LIVESTOCK ASSOCIATION OF CADIZ (ASAJA CADIZ)

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES017)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

ASAJA Cadiz is an agricultural organizations created for the defense of the interests of farmers and searching for greater benefit of livestock and farmers, but always respect the environmet. ASAJA Cadiz has a extensive experiencie in R&D&i, but a national project. ASAJA is the main organization in Spain. The project to develop in the topic has the following objetives: a healthier livestock. animals disease resistant. the european union, in the framework of the common agricultural policy provides an essential mechanism to achieve the conservation and promotion of the cabin of the members states programs for the eradication of animal diseases. Animal diseases have become a problem of many costs for extensive farming, as it is very difficult to regroup cattle that are free in the bush for submission to multiple vaccinations and blood draws. This is what happens to meet livestock programs of brucellosis, etc. which could be solved if we got vaccines with longer lasting effects or animals genetically more resistant to these diseases. The problem of bluetongue disease, whose origin is Morocco, is causing many economic costs for the EU and Spain. It is essential to involve the pharmaceutical industry and Universities in the project.

Expertise offered (related to the topic)

ASAJA cadiz, as a main agricultural organizations, has experience in agricultural and livestock projects. Asaja cadiz has ejecuted the following projects in recent years:knowledge transfer the livestock sector of beef cattle, livestock reduction and its effects on natural regeneration of dehesas, grazing livestock management in rotary, etc.

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Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

Telephone: 34955045811

E-mail: cristina.cabeza@juntadeandalucia.es

Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES018)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects were FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

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The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD)):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

E-mail: cpenia@gencat.cat

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Partnership Profile



GRONCONSULT

Other organization(consulting,association,...)

*PROFILE from Denmark
(15DK019)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Gronconsult is a consultancy lead by Arne Grønkjær Hansen. Mr. Hansen has a profound experience within agricultural development and management including 9 years experience in project management and extension service.

He is advisor for the Danish Ministry of Environment on emission abatement in agriculture. Teacher on agricultural school for 4,5 year on farm management, housing design and logistics. Additionally, he has extensive hands-on working experience advisory service in farm management including planning and design of animal housing and feeding.

Experience with planning and conduction of tests and verifications of environment technology i.e. for biogas production.

He has project management in skills developed through education and long experience in Danish Agricultural Advisory Service and approved technological institutes (Agrotech and DTI). Is and has been project manager in innovation projects concerning animal housing, animal welfare, environment protection, emission abatement, slurry treatment.

Was representing Denmark in EU-Umbrella "Euroagrifoodchain" in the period 2008-2012.

Expertise offered (related to the topic)

Project management, dissemination and demonstration services.

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Previous FP experience

Project leader of BIOMAN (FP7 R4SMEs). Fundraising through Danish funds and EU funding (Eurostars programme/FP7 R4SMEs) - Areas: biomass treatment, biogas production, agriculture, environment protection.

Role in the project

Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES020)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

We have worked really hard to achieve a more sustainable agriculture (with the combination of the modernization of farms with the improve of the animal welfare), and to develop the extensive livestock systems or to increase the diversity and the friendly environmental practices. As an example, the success with the EU grants for to promote the friendly environmental practices, on promoting the organic farming and our collaboration in the protection and improvement of indigenous livestock breeds (95% of our farmers have indigenous beef breeds).

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

Partnership Profile

 **ISTITUTO ZOOPROFILATTICO SPERIMENTALE PIEMONTE LIGURIA E VALLE D'AOSTA**

Other organization(consulting,association,...)

*PROFILE from Italy
(15IT021)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta is an health governmental body founded in 1912. The Institute tasks are to guarantee consumer's health by protecting animal population health and welfare and by improving and controlling food and feed production, thus enhancing the safety levels for food and feed: it supports local and national veterinary services in epidemiological analysis, food hygiene and environmental control activity and research activity. National and local veterinary services, and professional veterinarian, breeders, food manufacturers and consumers too, can address to our Institute for scientific and technical advices, controls and animal health diagnostics.

Projects:

- Slovakia - Twinning project for the implementation of a TSE surveillance system in Slovakia: participation as expert on genetics and TSE diagnosis.
- Germany - Tutor in the BTSF "Training on the prevention, control and eradication of Transmissible Spongiform Encephalopathies".
- Netherlands- Central Veterinary Institute (CVI), Wageningen University and Research Centre di Lelystad: "Project Goat BSE Neuroprion"
- Netherlands – CIDC, Lelystad: " Research project under the call EMIDA and for the study of analytical sensitivity of all the approved rapid tests against atypical forms of BSE"

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- UK - VLA Weybridge: PROJECT NADIR "Atypical scrapie to cattle - is there a risk?"
- CIDC-Lelystad; INRA- France; IAH-UK; CISA-INIA-Spain; UNIZAR- Spain; FLI-INEID- Germany; CERTH-INA -Greece; CEA-France: "Specific Targeted Research Project (STREP), "GoatBSE: Proposal for improvement of goat TSE discriminative diagnosis and susceptibility based assessment of BSE infectivity in goat milk and meat".
- Germany-Uk-Belgium: "SANCO TrainSaferFood European Training Platform for Safer Food courses: Workshop on Prevention, control and eradication of Transmissible Spongiform Encephalopathies".
- France- Spain- UK- Greece- Germany: "EMIDA-ERANET: "Goat-TSE-Free; Towards breeding of goats for genetically determined TSE resistance".
- Macedonia – Strumica (Skopje). Capacity building of the veterinary service for implementation of EU Acquis - FYROM (2010/244-472)", Publ. ref: EuropeAid/128546/C/SER/MK, for "Training course on animal by products (ABP) and transmissible spongiform encephalopathies (TSE) ".
- Network of Excellence – Prevention, Control and Management of Prion Disease (NEUROPRION).

Expertise offered (related to the topic)

The Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta has been active since years in order to promote sustainability of food production, in particular in the livestock sector. Its Biostatistics, Epidemiology and Risk Assessment (BEAR) department is engaged in a research project for the development of an assessment tool for the evaluation of environmental sustainability at farm level. Our department owns all the relevant skills involved in designing an evaluation plan of environmental sustainability: choosing an appropriate sampling strategy, elaborating questionnaires and data collection forms, data management and analysis. Our assessment item has been developed in close collaboration with all the stakeholders involved (agronomists, veterinarians, statisticians, farmers, producers associations) and implemented for validation on regional territory, in particular in beef producing cattle farms. During the system elaboration we built synthetic environmental indicators to evaluate farm management and practices in order to gain informations on selected sustainability objectives like the use of renewable and non-renewable resources, soil exploitation and biodiversity. Thanks to our close relatedness and presence on local territory, we are able to disseminate relevant gained knowledge to all the involved stakeholders by drawing up guidelines useful especially in helping farmers to adopt most appropriate management practices and structural characteristics, suitable to different agricultural systems, in order to mitigate the impact of food production while improving efficiency starting from the farm.

Previous FP experience

European Network: Concerted Action SRTSE. European network for surveillance and control of TSE in Small ruminants (5th Framework).

Role in the project

Research; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

Telephone: 0039 011 5669239

Fax: 0039 011 5669238

E-mail: d.vismara@pie.camcom.it

Partnership Profile

 **LANDALUZ, ASOCIACIÓN EMPRESARIAL ALIMENTOS DE ANDALUCÍA**

Other organization (consulting, association,...)

*PROFILE from Spain
(15ES022)*

TOPIC OF INTEREST

TOPIC

SFS-1-2014/2015: Sustainable terrestrial livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

LANDALUZ is an association that gets together around one hundred and ten food producer companies from Andalusia, south of Spain, and gathers close to 70% of the Andalusian business sector. Our aim is to promote Andalusian high quality food products all over the world.

Expertise offered (related to the topic)

LANDALUZ, Asociación Empresarial Alimentos de Andalucía, was born in 1990 as the most important and relevant association in the agrifood sector in Andalusia. We have more than 20 years experience in the sector. We think we can contribute to the topic due to the years we have been working with companies with animal production and our knowledge about the sector.

Role in the project

Training; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

Partnership Profile

 **CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL**

Technological Centre

*PROFILE from SPAIN
(15ES023)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the process of sustainable olive growing. Specific expertise in the topic is based in the following background and technological tools:

a. Application of NIR on-line technology for the detection of markers of fruit maturity

b. Agronomic management techniques for olive orchards

c. Communication, dissemination and transfer of research results

d. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement n°: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement n°: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

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 Business Support on Your Doorstep	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain.
Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode:

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES024)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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Expertise offered (related to the topic)

CTAEX's expertise lies in the development of agricultural trials related to plant variety characterization, seeds and plant material multiplication, and crop management practices, specifically addressing sustainable crop production and mechanisms to increase productivity, stability, and quality of fruits, vegetables, cereals and legumes.

It also lies among the Agricultural Dpt. expertise the study of weed control and pest management through innovative procedures like the employment of aromatic and medicinal plant's bioactive compounds as well as those chemically interesting substances coming from the exploitation of by-products and residues of the agro-food industry. In this sense, up to 60 different vegetable species of Aromatic and Medicinal plants have already been successfully grown, extracted, characterized, and chemically and microbiologically evaluated in the search of bioactive compounds with different applications.

The soil quality and management is approached via the study of alternative cultivars, and the development of novel fertilization techniques including innovative eco-friendly amendments.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society'11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 06006

City: Badajoz

Country: Spain

Contact person: María García Rosa

E-mail: maria.garcia@fundecyt-pctex.es

Partnership Profile



DERETIL VITATECH S.L.U.

Technological Centre

*PROFILE from Spain
(15ES025)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Deretil Vitatech is the Deretil's group technological company. Deretil group is worldwide lider company in the development and production os semisynthetic antibiotic side chains (based in non natural chiral aminoacids like D-parahydroxyphenilglycine, D-Phenylglycine, D-Dihydrophenylglycine, D-Valine, etc).

From 2009 Deretil group started a growth strategy based in new bussiness in the fields of agronutrients (special fertilizers like micronutrients chelates, aminoacids, biestimulants, etc), and in 2013 started the development of active ingredients to be used in cosmetics, food and feed (natural antioxidants and other interesting molecules).

Relevant R&D projects are:

- Natural products extraction and purification (membranes, chromatography, etc). Examples like polyphenols, steviosides, tannins, anthocyanins, etc.
- Biomolecules obtained by fermentation to be applied in Agriculture (biofertilizars and/or biopesticides), nutrition and/or cosmetics.

Expertise offered (related to the topic)

We can be considered as a partner in the following activities:

- Special fertilizers design and formulation. Liquid and dried form.
- Spray drying granulation.

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- Process scale-up from lab to plant.
- Growth stimulants, elicitors, phytostrongthener with high antioxidant polyphenolic compounds, etc, based in natural extracts and microorganisms.
- Pilot and production plant suitable for demonstration stages in projects, including fermentation, microfiltration, chromatographic purification...
- Biotechnology, synthesis and analytical laboratories.

Previous FP experience

CADOX Project: "A coupled advanced oxidation-biological process for recycling of industrial waste waters containing persistent organic contaminants"

Project reference: EVK1-CT-2002-00122

Funded under: FP5-EESD

Country: Spain

Info: <http://cordis.europa.eu/projects/EVK1-CT-2002-00122>

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

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Partnership Profile

 **BIOLCHIM SPA**

SME

*PROFILE from Italy
(15IT026)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Biolchim S.p.A. is a leading company in the production and commercialization of biostimulants, whose function is to stimulate natural processes to enhance nutrient uptake, nutrient efficiency, tolerance to abiotic stress, and crop quality in full respect of sustainable agriculture values and practices. Thanks to the experience acquired in 40 years of activity, the strong relationship with the greatest worldwide producers of raw materials, and the collaboration with important Universities and Research Centres, Biolchim offers a complete portfolio of biostimulants that maximize the performance of any crop, anywhere in the world. Biolchim's R&D Team cooperates closely with Universities and Research Institutes all over the world with a view to transfer Knowledge directly to the field.

The working approach is based on 3 founding principles:

- innovative raw materials, especially botanical extracts and compounds of vegetal origin, to combine agronomic efficacy with environmental sustainability;
- high-tech manufacturing processes, to keep the biostimulant properties of plant extracts and natural molecules unaltered;
- large scale product experimentation, to ensure the highest standards of safety and effectiveness in all agricultural contexts.

AREAS OF INNOVATION:

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- PRODUCT
- MANUFACTURING PROCESS
- PACKAGING
- BUSINESS AND OPERATION MANAGEMENT
- MARKETING and COMMUNICATION

Expertise offered (related to the topic)

Prototype development and large-scale testing of fertilizers of biological origin;
industrial scale-up;
commercial launch (production of marketing material, distribution etc...)

Previous FP experience

Ongoing cooperations with Universities, Research Institutes, and other companies:
<http://www.biolchim.it/index.php?lang=en&page=win.html>

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

Organisation name: Aster S. Cons. P.A.

Address: via P. Gobetti 101

Postcode: 40129

City: Bologna

Country: Italy

Contact person: Viorika Dishinica

Telephone: 0039 051639 8099

Fax: 0039 0516398131

E-mail: simpler@aster.it

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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK027)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

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Telephone: 4540309637

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Partnership Profile



F · A · R · M SYSTEM

SME

*PROFILE from Germany
(15DE028)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015 : Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

F · A · R · Msystem offers a data management service, for example the data preparation and data analysis for the management system precision farming.

Based on the output of yield mapping, based on site-specific nutrient balances of arbitrarily shaped fertilizer application rates and soil nutrient contents are calculated. A monetary evaluation of these site-specific balances through F · A · R · Msystem using business data is also possible.

Furthermore for each subarea the profit contribution of the process can be calculated and we also create economic scenarios with varying costs and revenues. Thus, it is possible to consider future or expected market developments in planning application maps. As a full service we offer the creation of application maps.

Expertise offered (related to the topic)

GIS analysis, soil mapping strategy, generate small scale soil field maps, yield analysis; nutrient balance and economic yield analysis; location assessment; application maps and especially lime application mapping for site-specific liming

Role in the project

Research; Tech. Development; Other

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: N-Support

Organisation name: University of Applied Science Osnabrueck (Stiftung Fachhochschule Osnabrueck)

City: Osnabrueck

Country: Germany

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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES029)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrate, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and
- Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in

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Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with an heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has felt always at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: <http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeals to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

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Expertise offered (related to the topic)

Because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic SFS 2 - 2014/2015: Sustainable crop production based on research and innovation for a better soil management and optimisation for a long-term sustainability of crop productions. We think that the initiatives promoted are really challenging for an organization like Geographica with experience in remote sensing, geospatial technologies that integrates, analyze, and display data and spatial information, reporting, creation of indicators in real time, applications that performs hypothetical scenarios, projections and comparisons of them, and perform evolutive studies. All this technologies could be implemented in projects under this topic.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators . This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

We have experience contributing to European Project´s consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user's forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

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Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)

- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

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Partnership Profile



IOTEC GMBH

SME

*PROFILE from Germany
(15DE030)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015 : Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The company iotec GmbH is more than an engineering firm. It develops software and hardware in the field of agricultural and sensor technology. Furthermore, the guidance includes the selection of sensors to offer the company. Also, the distribution of in-house developments in the area of intelligent sensor technology represents a business unit of the company. Main focus is development and programming of plug-ins for ISOBUS terminals (Human Machine Interface), and communication between sensors and ISOBUS components. The development of electronics for the agricultural technology is another area of emphasis.

Expertise offered (related to the topic)

Software: VHDL, Matlab, LabView, AGF-Plugins, databases; Hardware: analogue electronics, development of new hardware, ISOBUS components, microcontroller, FPGA, CAD; Other: field testing, multi-reflective ultrasonic sensor system

Role in the project

Research; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: N-Support

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Organisation name: University of Applied Science Osnabrueck (Stiftung Fachhochschule Osnabrueck)

City: Osnabrueck

Country: Germany

Contact person: Julia Kümper

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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES031)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



RESBIOAGRO, S.L.

SME

**PROFILE from SPAIN
(15ES032)**

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

ResBioAgro is a biotechnological company, Spin-off of Seville University, being its main goal is to use the intellectual property accumulated over the last 25 years in the application of microorganisms as effective partners to provide biotechnological resources for the agriculture and the environment through products of high quality and services respectful with the environment, providing technology transfer from research to industry. ResBioAgro was set up in 2009, whose mission is to promote the technological development and the introduction of the Research and Development culture in the agribusiness.

ResBioAgro has qualified human resources and develops an intense activity that has gone in increase in the last years. At present, the investment in research and development (R&D) occupies almost the totality of the company patrimony and total number of graduates and doctors goes in increase, representing 85 % of the staff. Thanks to a tirelessly involved and highly qualified team in the projects developed, ResBioAgro has become an important company at national level of technological development and the introduction of the Research and Development culture in the agribusiness. ResBioAgro focuses on search and valuation of the soil microorganisms that are useful for agriculture of high safety for the consumer. At present, our priority is to generate biological products of high added value, as bacterial inoculants that act as Biofertilizers and Biocontrol Agents, dedicated to plant growth promotion, nutrients mobilization and control of plagues and diseases. ResBioAgro selects bacteria that are potentially useful as inoculants bacterial for agriculture and designs them.

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ResBioAgro develops a technology that guarantees a biological, economic and ecological productivity, promoting the use of microbiological soil resources in agriculture, respecting the environment.

Expertise offered (related to the topic)

ResBioAgro has as objective to satisfy the demand of its partners such as agricultural and biotechnological companies. At the same time we promote the research and development in the food industry and biotechnological area. ResBioAgro tries to contribute in microbiological advanced solutions, using the microorganisms as key pieces of the bioprocess, producing new knowledge, transferring the already generated one and innovating in the improvement of products and services across different lines of business that include three key sectors of the biotechnology, such as environmental, energy and food industry. Our technology and techniques are based in the following research area: Molecular Biology, Microbiology and Soil Microbiology, Physiology, Fermentations, Rice and legumes culture in-vitro. Also we have a large expertise in scaling plant and crop experiments in Fitotron, greenhouse, Plots and field trials. Our group is particularly specialized in the Plant microbe interactions and Plants growth promoting bacteria. ResBioAgro provides the following services to the customers: Microbiological characterization and identification, generation of microorganisms for the biological fight, study of microbiological diversity in different ecosystems and sites like agricultural soil or degraded and contaminated soil. Application of a new generation of inoculants in agriculture and the molecular monitoring of the microorganisms in post inoculation.

Biological quality of irrigation water using Molecular techniques.

Study of Systemic Resistance Induction (ISR) in plants.

Previous FP experience

ResBioAgro mainly works in devising and carrying out research projects that develop technologies, test existing ones and put scientific and biological products in place that improve the use of soils and interest crops through microorganisms.

ResBioAgro works and cooperates with national and international bodies to set up shared projects and/or participate in national and international programmes (CDTI, MINECO, Agencia IDEA, H2020, etc.). In the last official announcement of as Seventh Framework Programme , ResBioAgro participated actively in the drafting and preparation of a proposal of project coordinated by University of Seville (Tittle: Effects of PGPRs based inoculants on the growth and the architecture of the roots under abiotic stress conditions of two sequenced model plants: Medicago truncatula and Oryza sativa), which consortium was formed for:

- University of Seville. Spain

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- ISV-CNRS. Gif Sur-Yvette. France
- AgriFUTUR. Italy
- University of Lancaster. United Kingdom
- GenXpro. Germany
- University of Aarhus. Denmark
- IRNASE.CSIC. Spain

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES034)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

- Robotics:

- * Design and implementation of robotic systems

- * Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

- * Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Role in the project

Research; Training; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



WADI ATTIR ORGANIZATION

SME

*PROFILE from Israel
(15IL380)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Project Wadi Attir is developing a demonstration site for sustainable production of organic livestock products, under rehabilitation of degraded dryland soil, control of erosion and desertification by agroforestry, integrated waste recovery and reuse using organic farming technologies. Soil and productivity improvements are being recorded, together with biodiversity, and sustainability parameters such as GHG and nutrient balances, socioeconomic factors etc are being monitored and recorded for dissemination.

Expertise offered (related to the topic)

Soil analysis in drylands, restoration of desertified soils, erosion control by agroforestry, biodiversity assessment, GHG balance, water and nutrient balance, soil hydrology, sustainable livestock management, socioeconomic impact of development, livestock management and manufacturing of organic milk products, oil and fruit in drylands, waste recovery and recycling.

Previous FP experience

Dr Stefan Leu has participated in and coordinated several FP7 projects in agriculture and microalgal biotechnology

Role in the project

Training; Tech. Development; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

Contact person: Uri Fishelson

Telephone: 972-3-5118171

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Partnership Profile



AGROCONSULTING. OLIVICULTURA DE PRECISIÓN SME

PROFILE from Spain
(15ES393)

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

AGROCONSULTING, Olivicultura de Precisión, is a company specialized in Precision Olive Farming.

We guide and advise farmers how to make decisions in order to obtain a healthy, profitable and sustainable olive grove. Therefore, we develop specific products and services that increase production and improve crop quality with minimal environmental impact.

We have a plant innovation laboratory, INDEPHYT, where we research and analyse the olive tree behaviour to understand better how it works to respond accordingly.

Areas of expertise

- Nutrition and Vegetal Protection: We aim to achieve the nutritional balance and optimal health of olive trees for a healthy, profitable and sustainable crop.+
- Irrigation and Fertigation: we define the more effective irrigation and fertigation strategies to maximize production.
- Vegetal Biotechnology: we develop more efficient products that increase the crop productivity.
- ICT: we introduce accessible technologies that allow farmers to be connected to their olive trees groves.

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Expertise offered (related to the topic)

More than 10 years of experience Using precision agriculture techniques, we combine sustainable agricultural practices and accessible Information and communications technologies (ICT) in order to personalize treatments for seeking optimal productivity and profitability, resource conservation, environmental protection and ensure food security.

Research areas:

- Soil microorganisms and their crude extracts collection: vegetal biotechnology pioneer program to diagnose, control and eradicate the olive tree pests and diseases .
- Plant biostimulation: olive tree biostimulating agents development.
- Quality of irrigation water: influence of irrigation water quality on soil chemical properties and their effects on the crop.
- In vitro culture: we produce sterile vegetal in order to get disease-free plants.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile

 **AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE - PLANT, FOOD & SUSTAINABILITY**

R&D Institution

*PROFILE from Denmark
(15DK036)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research areas: Studies the relationship between root growth and nitrogen uptake. Works in horticultural systems under organic or conventional management. Here winter catch crops (cover crops) and the design of crop rotations play a major role to decrease leaching of nitrate and thereby increase the nitrogen use efficiency of the system. Her research is focused on the relationship between root growth and N uptake in deep soil layers. Some crops and catch crops extend roots to 1-2.5 m depth below soil surface. These deep roots may take up nitrogen at depth and can be used to reduce the leaching of nitrate from the deep soil layers to the groundwater. The work includes subjects such as root and crop physiology in relation to nitrogen uptake. The approach is laboratory and field experiments including the use of stable isotope ¹⁵N techniques for the study of N cycling, and of minirhizotrons for measurements of plant root growth. The crops in study have been deep rooted crops like white, Chinese and curly cabbage, carrot, beetroot, squash, as well as shallow rooted crops like rucola, sweet corn, potato, celleriac and leek. The catch crops and green manures include deep rooted like fodder radish, winter rye and salad burnet as well as shallow rooted like ryegrass and birdsfoot trefoil.

In addition her studies the relationships between conditions during the growth phase and the quality of horticultural products; like harvest quality, sensoric properties and the content of substances of importance for human health. The focus is on the importance of the genetic material, the availability of soil nutrients and suboptimal growth conditions for the quality of vegetables, e.g. the content of

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glucosinolates in cabbages, and the effect of UV-light exposure on the formation of vitamin D2 in mushrooms.

Expertise offered (related to the topic)

Nitrogen management in open-field vegetable production focussed on the importance of root depth, root nitrogen uptake, crop nitrogen demand and use of autumn catch crops, intercropping and green manures for improvement of nitrogen use efficiency of cropping systems.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

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FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping
(Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

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Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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Partnership Profile



RESEARCH GROUP: "CHARACTERIZATION AND CONSERVATION OF DOMESTIC ANIMAL GENETICS RESOURCES FOR RURAL DEVELOPMENT" (AGR134). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES037)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Research Group 'Characterization and Preservation of Genetic Resources of Domestic Animals for Rural Development' (AGR-134) was founded in 1991 as a part of the 'Andalusian Research Plan' promoted by the Andalusian Regional Government.

The research team is composed of subject matter experts and veterinaries from several public institutions and private enterprises, such as:

- The University of Córdoba.
- FEAGAS (Federation of Farmers' Unions)
- The Loyola University.
- Fish and Agriculture Council from Andalusian and other Regional Governments.
- IDTACA, Ltd.

Some innovative methodologies set in place by the group are:

- Optimization of Phenotypic Characterization methods in the broader sense, including animals, environment and production systems.
- Genetic Variability Analysis using molecular markers.

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- Phylogenetic studies.
- Identification of genetic markers of special interest for production or adaptation processes.
- Ethological studies of autochthonous races and their interaction with the environment, considering individual behavioural patterns.
- Social-Economic Analysis of livestock resources and DAnGR (Domestic animals Genetic Resources) optimization.
- Characterization of the quality of final products (meat, milk, wool, etc).

Relevant R&D projects:

We have taken part in several projects support by FEDER grants(National Plan of I+D+i). Program and Strategic Action from INIA: Conservation of Genetic Resources of Food-processing Interest

“Caracterización y evaluación de las razas bovinas Berrendas. Diseño y gestión de los planes de conservación” (RZ00-00-017).

“Identificación del estado de conservación y planes de recuperación de las razas bovinas andaluzas en peligro de extinción” (RZ04-00-013).

“Caracterización Socioeconómica, productiva y genética de la raza Bovina Pajuna. Bases para el desarrollo de estrategias para su preservación, conservación y desarrollo sostenible” (RZ-02-007)

“Caracterización y evaluación de razas caprinas autóctonas españolas de orientación cárnica:” (RZ01-010-C3-1)

“Geografía del caprino español en riesgo de extinción. Caracterización de razas, agrupaciones y ecotipos” (RZ2004-00010-00-00).

“Caracterización Fenotípica De La Agrupación Caprina De Las Mesetas” (RZ2008-00021-00-00)

“Estudio de la repercusión del bienestar animal en el sistema de producción del ganado caprino de carne en las razas Blanca Celtibérica, Negra Serrana-Castiza y Blanca Andaluza. Análisis económico y de la calidad del producto”. (RZ2004-00010-00-00)

“Evaluación de la calidad higiénico-sanitaria y tecnológica de la leche de raza Manchega como instrumento para la mejora de la viabilidad socio-económica y ambiental de los sistemas productivos de ovino lechero” (RZ2008-00021-00-00)

Also, we have taken part in several cooperation projects (PCI- AECID) in North Morocco about DAnGR Conservation and Rural Developement:

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The research group has collaborated in the characterization of races of ruminants of Latin America (Araucanian sheep from Chile, Creole goat from Puebla(México), Casanare Creole cattle from Colombia, etc)

Expertise offered (related to the topic)

The research studies within the sphere of the characterization and preservation of genetic resources have led to successfully achieve the following goals:

- Identification and cataloguing in a number of both Spanish and Latin-American autochthonous races utilized in extensive production systems.
- Inventory of autochthonous livestock patrimony.
- Plans for the improvement and preservation of autochthonous races.
- Support to farmers in the implementation of the aforementioned plans.
- Proposals and strategies aimed to improve the profitability of resources, their commercialization and possible alternative uses.

Role in the project

Research; Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile

 **DEPARTMENT OF AGRICULTURAL AND FOREST SCIENCES**
R&D Institution
PROFILE from Italy
(15IT038)

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Department of Agricultural and Forest Sciences has a complete profile in relation to all the research activity on agricultural basis. It has a long history in terms of teaching and researching in Agricultural Sciences. The Reserch Unit on Plant Biodiversity (RUPB) at the Department of Agricultural and Forest Science of the University of Palermo is focused on the study of plant biodiversity in Mediterranean agroecosystems, on its characterization and in situ/ex situ conservation, in vivo as well as in vitro. The RUPB in also dedicated to the development of best management practices to be adopted for a functional biodiversity use in order to value agro-biodiversity and to enhance farm productivity.

The RUPB has been and still now is involved in several research project related to the aspects derived from biodiversity traits.

By now, the RUPB leader is coordinating a Project funded by UE through the Regional Government aiming to build a Center of Conservationf for Regional Biodiversity in connection with the European ones.

Expertise offered (related to the topic)

The RUPB offers wide skills in biodiversity estimation, plant taxonomy, plant characterization, local varieties characterization, rural areas management, best practices configuration, related statistical

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analysis. Moreover, an experience in national and international projects is available including UE projects. The RUPB has also participated at the Governmental Work for licencing the National Guidelines fo in situ/ex situ conservation and characterization of vegetative, animal and microbic biodiversity (2012).

Previous FP experience

PSR 2007/2013 - Action 214/2 - A: Conservation of Biodiversity (Contract number: 94750773338)

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN (ASG member) / EEN BRIDGECONOMIES

Organisation name: Unioncamere Piemonte (ASG member)/ Consorzio Arca Palermo

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Contact person: Daniela Vismara (ASG member) / Anna Sangiorgi

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Partnership Profile



FUNDACIÓN CAJAMAR

R&D Institution

*PROFILE from ESPAÑA
(15ES039)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Station is dedicated to the research and development of new technologies, methods and products related to greenhouse vegetable production, and to mediterranean fruit production. In addition to developing improved farming practices, this centre is actively involved in the dissemination of these experimental results. Currently, the research lines of the Experimental Station are addressed to the harmonisation of economy and environment, maximising farmers' profits and maintaining the natural resources of the region. Relevant projects: Efficient use of inputs in protected horticulture, Smart tools for Prediction and Improvement of Crop Yield...

Expertise offered (related to the topic)

One of the most important lines of work of Cajamar Foundation is the determination of water requirements of horticultural crops and the optimization of water and nutrient use, as well as the development and evaluation of devices for the automation of irrigation. We work on strategies for minimizing nitrate leaching in both soil and soil-less growing systems.

Previous FP experience

Cajamar Foundation has participated in the following UE projects related to the topic: Euphoros, Aquasol, Watergy

Role in the project

Research; Tech. Development; Dissemination

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT040)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research group works on soil management and plant nutrition. It aims at conserving, promoting, and innovating of mountain farming systems, from the environmental setting and natural resource use (soil, water, carbon, energy, biodiversity), to the systems and productions (practices and processes thoroughly committed with agro-ecological principles), and to the socio-economic context they are part of (policy-driven changes and impacts, on-farm and at territory level). So, the objectives of the group are to study farming systems relevant in mountain areas:

- i) single permanent crops as chestnut, olive and vineyards;
- ii) mixed-farming based on animal husbandry (cereal, forage, grassland, cattle in less extensive, small ruminant in more extensive);
- iii) others, including legume species as main crops, cover crops or green manures

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The main topics we are currently developing are:

- Cover cropping in perennial tree crops and vines based on self-reseeding annual legume species;
- Nitrogen and phosphorus management in agroecosystems;
- Creation of standards for leaf analysis results interpretation in medicinal and aromatic plants.
- Increasing the accuracy of the fertiliser recommendation programs;
- Increasing nutrient use efficiency in agro-ecosystems;
- Fertilisation strategies in organic agriculture;
- Use of biofertilisers (products containing microorganisms) in agriculture;

Selection of projects:

- Cover cropping: the decisive strategy in soil management of traditional olive orchards. Project PTDC/AGR-AAM/098326/2008.
- Strategies to mitigate alternate bearing in olive. Project AGRO 743.
- Sustainable management of aromatic and medicinal plants. Project PRODER nº 46025
- Agroecological adaptation of mint and Stevia to the growing conditions of Trás-os-Montes region. Project PRODER nº 46207.

Selected recent publications (>2010):

Arrobas, M., Ferreira, I.Q., Sara, F., Verdial, J., Rodrigues, M.A. 2014. Guidelines for fertilizer use in vineyards based on nutrient content of grapevine parts. *Scientia Horticulturae* 172: 191-198.

Rodrigues, M.A., Correia, C.M., Claro, A.M., Ferreira, I.Q., Barbosa, J.C., Moutinho-Pereira, J.M., Bacelar, E.A., Fernandes-Silva, A.A., Arrobas, M. 2013. Soil nitrogen availability in olive orchards after mulching legume cover crop residues. *Scientia Horticulturae* 156: 45-51.

Ferreira, I.Q., Arrobas, M., Claro, A.M., Rodrigues, M.A. 2013. Soil management in rainfed olive orchards may result in conflicting effects on olive production and soil fertility. *Spanish Journal of Agricultural Research* 11 (2): 472-480.

Arrobas, M., Rodrigues, M.A. 2013. Agronomic evaluation of a fertiliser with D-CODER technology, a new mechanism for the slow release of nutrients. *Journal of Agricultural Science and Technology* 15: 409-419.

Arrobas, M., Fonseca, T., Parada, M.J., Rodrigues, M.A. (2012). The influence of sampling date on soil nitrogen availability indices *Commun. Soil Sci Plant Anal. Communications in Soil Science and Plant Analysis* 43: 2521-2534.

Rodrigues, M.A., Ferreira, I.Q., Claro, A.M., Arrobas, M. 2012. Fertiliser recommendations for olive based upon nutrients removed in crop and pruning. *Scientia Horticulturae* 142: 205-211.

Rodrigues, M.A., Lopes, J.I., Pavão, F.M., Cabanas, J.E., Arrobas, M. (2011). Effect of soil management on olive yield and nutritional status of trees in rainfed orchards. *Commun. Soil Sci. Plant Anal.* 42: 993-2011.

Arrobas, M., Parada, M.J., Magalhães, P., Rodrigues, M.A. 2011. Nitrogen-use efficiency and economic efficiency of slow-release N fertilisers applied to irrigated turfs in a Mediterranean environment. *Nutrient Cycling in Agroecosystems* 89:329–339.

Rodrigues, M.A., Pavão, F., Lopes, J.I., Gomes, V., Arrobas, M., Moutinho-Pereira, J., Ruivo, S., Cabanas, J.E., Correia, C.M. 2011. Olive yields and tree nutritional status during a four year period without nitrogen and boron fertilization. *Commun. Soil Sci. Plant Anal.* 42 (7): 803 - 814.

Rodrigues, M.A., Gomes, V., Dias, L.G., Pires, J., Aguiar, C.F., Arrobas, M. 2010. Evaluation of soil nitrogen availability by growing tufts of nitrophilic species in an intensively grazed biodiverse legume-rich pasture. *Spanish Journal of Agricultural Research* 8 (4): 1058-1067.

Arrobas, M., Lopes, J.I., Pavão, F., Cabanas, J. E., Rodrigues, M.A. 2010. Comparative boron nutritional diagnosis for olive based on July and January leaf samplings. *Commununications in Soil Science and Plant Anal.* 41: 709-720.

Rodrigues, M. A., Santos, H., Ruivo, S., Arrobas, M. 2010. Slow-release N fertilisers are not an alternative to urea for fertilisation of autumn-grown tall cabbage. *European Journal of Agronomy*, 32 (2): 137-143.

CIMO can also help in the identification of other stakeholders and/or partners for the proposal.

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)

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- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "AGRICULTURE AND ENVIRONMENT IN ARID AREAS" (RNM 151). UNIVERSITY OF ALMERIA

R&D Institution

*PROFILE from Spain
(15ES041)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our research group has been working on Vegetable Protected Crop Systems during last 25 years. Created in 1991 in the Univ. Granada, implemented at the Univ. Almeria, after its creation in 1994, with the aim of carrying out research to support intensive agriculture with high yields, with respect for the environment and the efficiency in the use of natural resources. Different research projects are being conducted by our group with aims in Protected Horticultural Production Technology on Arid and Tropical Areas. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Expertise offered (related to the topic)

The Group offers wide skills in: Analysis and nutritional diagnosis in plants and soils. Plant nutrition and ferti-irrigation of vegetable protected crops. Methods in plant nutrition to avoid imbalanced fertilization. Optimization and management of water and fertilizers (Fertigation) in horticultural crops. Development of growing systems for vegetable and ornamental crops. Investigations in improved nutrient efficiency in soil and substrates.

Previous FP experience

No previous experience in FP, at the moment only R&D projects at National and International level.

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Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "AGROECOSOST". CENTRO IFAPA CAMINO DE PURCHIL

R&D Institution

*PROFILE from Spain
(15ES042)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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IFAPA-AGROECOSOST team was built under the mission of the Evaluation and design of sustainable and competitive agro-ecosystems.

This team is formed by 10 researchers (doctors) and 5 technology-transfer specialists. Other members are 5 or 8 PhD students (with scholarships), 5 laboratory technicians, 14 people with other tasks, 3 field-workers and 10 workers in administrative tasks.

Our expertise in the "SFS-2-2014/2015: Sustainable crop production" topic is related to the following areas and crops:

- Assessment of Global Change on Agro-ecosystems.
- Evaluation and spatial-temporal monitoring the main environmental processes affecting agro-ecosystems.
- Mountain agriculture and livestock
- Olive trees, dryland farming in cereals and irrigation systems in small lands (minifundios).
- Traditional Vegas (riverside farmland) with historical irrigation systems.
- Intensive-industrial under-plastic agriculture.

Previous FP experience

EU Projects (last 5 years):

1. Supporting the role of the Common Agricultural Policy in landscape valorization: Improving the knowledge base of the contribution of landscape management to the rural economy (CLAIMING) 2 Davide Viaggi 1.500.000 EU C: 2011-2014

2. Dehesa Ecosystems: Development of policies and tools for biodiversity conservation (Life Biodehesa). Project location: Andalusia.
http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dsppage&n_proj_id=4352 1 M. Pat. González Dugo 3,938,545.00 European Commission – Seventh Framework. LIFE + Biodiversity. Project reference: LIFE11 BIO/ES/000726 C:01 de Octubre 2012 hasta: 31 Marzo 2017

3. European regions fostering innovation for sustainable production and efficient use of woody biomass (ROCKWOOD).

http://cordis.europa.eu/search/index.cfm?fuseaction=proj.document&PJ_RCN=13434121. Project website: <http://www.rokwood.eu/>. 2 Mirk Hänel (TTZ, Germany) 1.970,507,36 €. Maximum EC funding: 1,616,608 European Union FP7-Regions-2012-2013-1 (Transnational cooperation

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between regional researchdriven clusters), grant agreement nº 319956. C:1º de Diciembre 2012 hasta: 30 de Noviembre 2015

4. Mountain.TRIP:Transforming research into practice. Entidad financiadora: 2 Axel Borsdorf (Instituto IGF, Austria) (Coordinador) 428.214,84 Unión Europea, Séptimo Programa Marco C:2010 hasta: 2012

Other international projects (last 5 years):

1. Estudio de la diversidad de anfibios en un gradiente mediterráneo presaharaiano (Study of amphibian diversity in a pre-Saharan mediterranean gradient) 2 Slimani-, Tahar; JUAN FRANCISCO BELTRAN GALA 11.000 Secretaría de Estado de Cooperación Internacional, Ayudas para proyectos conjuntos de investigación Nombre del programa: OTROS PROGRAMAS DE LA AGENCIA ESPAÑOLA DEL COOPERACIÓN INTERNACIONAL (AECI) , MINISTERIO DE ASUNTOS EXTERIORES Y COOPERACIÓN A/016244/08 C:10/01/2009, 364 días

2. Estrategias vitales y conservación de Crotalus polystictus (Lance-headed rattlesnake) en el Estado de México. [Renovación] (Vital strategies and conservation of Crotalus polystictus -Lance-headed rattlesnake-) 2 Juan Manuel Pleguezuelos Gómez 30.000 AECID, Ministerio de Exteriores (Programa de Cooperación Interuniversitaria e Investigación Científica entre España e Iberoamérica; A/017116/08). C: 01/01/2009 a 31/12/2009

3. Conservación del bosque tropical en Panamá frente al cambio global: Evaluando la provisión de servicios-ambientales y su futuro (Conservation of the tropical forest in Panama in the scope of global change: evalutating the provision and future of environmental services) . Investigadora Principal 2 Carolina Puerta-Piñero 5000 Becas Iberoamérica Jóvenes Profesores e Investigadores. Fundación Santander. C: Junio 2013-mayo 2014

4. Establecimiento de parcelas de monitoreo de la biodiversidad en parques nacionales Omar Torrijos y Santa Fe. Panamá” (Establishment of monitoring parcels for biodiversity in Omar Torrijos and Santa Fe National Parks, Panama) 2 Oficina del corredor biológico Mesoamericano del atlántico panameño 320000 Plan de Ordenación Anual Minera Panamá S.A. República de Panamá. C: Enero-diciembre 2014

5. Evaluación de las consecuencias de la fragmentación del bosque y cambios de uso del territorio para el balance hídrico y conservación del bosque tropical de la cuenca del canal de Panamá” (Evaluation of the consequences of forest fragmentation and landuse change for water balance and conservation of the tropical forest in the Panama Channel basin). 1Carolina Puerta Piñero. 13000 Fundación Mapfre. C: Enero-diciembre 2014.

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6. Elaboración del manual de monitoreo de biodiversidad en bosques tropicales” (Elaboration of a manual about biodiversity monitoring in tropical forests) 2 Richard S. Condit. 35000. Autoridad Nacional del Medio Ambiente. República de Panamá.C: Agosto -diciembre 2013.

Role in the project

Research

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EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "APPLIED MICROBIOLOGY AND MOLECULAR GENETICS" (BIO219). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from España
(15ES044)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

This research group at the University of Cádiz, under the direction of Full Professor Laureana Rebordinos González, centres its research on the molecular study of the pathogenic mechanisms of the fungus *Botrytis cinerea*; on the development of applications for the comprehensive control of fungal diseases; on molecular genetics and cytogenetics of marine organisms; and on the genomic characterization and study of the properties of the different gene groups found in the yeast used in wine making and which are responsible for the production of fino and manzanilla wines. The group has signed 23 contracts up to date, to a total amount of 702,374.468 euros. In addition, the members of this group hold two national patents, and furthermore group BIO-219 has developed a total of 31 research projects.

Expertise offered (related to the topic)

Exploring Pathogenic Mechanisms of phytopathogenic fungi (*Botrytis cinerea* & *Colletotrichum acutatum*) by molecular biology and proteomic approaches: Applications to integral Management of fungal control diseases. Study and genomic characterization of wine yeast: wine production improvement

Previous FP experience

Projects

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Design of formulations for the comprehensive control of fungal diseases in fruit and vegetable crops, vines and stored grape. Impact on the winemaking and aging processes of Jerez wines.

Improvement of the qualities of bread and wine through modification of the yeasts involved in the production processes.

Development of genetic allozyme and microsatellite molecular markers in the sole species *solea senegalensis*

Selective fungicides for the comprehensive control of botrytis infections in commercial crops

Inhibition of the biosynthesis of toxins involved in the infection mechanism of botrytis cinerea: molecular characterization of the mechanisms of pathogenicity. Application to the rational control of the phytopathogen.

Chemical and microbiological characterization of colletotrichum species involved in anthracnose in strawberries and grapes. Search for new models of fungicides.

Molecular characterization of enzymatic complexes related with toxin biosynthesis and their implication in botrytis cinerea pathogenicity. Application to the rational control of the phytopathogen.

Study of secondary metabolism in strains of the colletotrichum species involved in anthracnose in strawberries and grapes.

Search for new molecular targets involved in the infection mechanism of botrytis and colletotrichum. Proteome analysis and design of fungicides for the rational control of these phytopathogens.

Characterization of new molecular targets from botrytis cinerea and colletotrichum acutatum proteome and genome. Development of selective fungicides to control these phytopathogens.

Preparation of a preliminary chromosome map of the karyotype of the sole (*solea senegalensis*). Integration of physical and genetic mapping.

Transnational Web for Biotechnology in Aquaculture.

Transfer to Cupimar of the techniques for the determination of the effective population size in gilthead bream culture: assessment of genetic variability and consanguinity.

Use of molecular techniques for the characterization of strains involved in the production of biologically aged young wines (fino and manzanilla wines).

Determination of molecular markers for the identification of bullet tuna.

Use of immobilized microbial bioreactors in anaerobic degradation. Kinetic modeling of the behaviour of microbial biofilms

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Genetic improvement of gilthead bream growth through marker-assisted selection (RFLPS in candidate genes).

Determination of sludge activity in urban wastewater treatment plants: application to process control.

Production of a human protein for therapeutical use in plant biofactories (Proteofactory).

Creation of an Andalusia-Morocco Fishing Observatory for scientific and technical cooperation and information in the sphere of fishing and aquaculture.

Genome and cytogenetic characterization of the genes involved in the metamorphosis of the sole (*solea senegalensis* kaup).

Phytoprotectors and early detection of phytopathogenic fungal infections: development of resistance to botrytis and colletotrichum infection in agrifood crops.

Development and application of genetic, molecular and cellular markers to reproduction, sexual differentiation and phylogenetics: teleostei fish of the batrachoididae family as models.

Characterization and optimization of Andalusian wine, brandy and vinegar aging systems.

Genetic and biochemical characterization of the secondary metabolism of the botrytis cinerea fungus. Biosynthetic design of natural botrycides.

Biosynthetic design of natural botrycides. Genetic manipulation of the botrytis cinerea phytopathogen

Tools for a marker-assisted selection program in gilthead bream (*sparus aurata*). Search for QTLs and analysis of heritability for growth.

Use of molecular techniques for the characterization of strains involved in the production of wines aged under the biological system used for manzanilla.

Typification of alterations in gametes, larvae and juveniles through the study of molecular and genetic markers in hormone-therapy induced reproduction in Senegalese sole.

Role in the project

Research; Training; Tech. Development; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



RESEARCH GROUP: "BIOLOGICAL BASIS FOR KNOWLEDGE, CONSERVATION AND SUSTAINABLE USE OF BIODIVERSITY" (RNM-322). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES033)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Biological control of Lepidoptera and Coleoptera pests. Use of entomopathogens (virus, bacteria and fungi) for control of key pests on agricultural and forest ecosystems: cotton, maize, olive, holm oak, chestnut, etc. Relevant projects: 1) Parasitoid-pathogen compatibility for control of lepidopteran pests; 2) Biological effects of the toxins from *Bacillus thuringiensis* on important agricultural pests and their natural enemies; 3) Toxicity of *Bacillus thuringiensis* in *Helicoverpa armigera* and compatibility with the natural enemies of cotton; 4) Large-scale production of viral biopesticide in insect cell cultures to reduce wide-spectrum insecticide use; 5) Baculovirus strain selection, production and application of biological preparations for control of agricultural pests.

Expertise offered (related to the topic)

1) Isolation of entomopathogens strains in agricultural and forest ecosystems; 2) Insecticide evaluation of entomopathogens on Lepidoptera and Coleoptera insects by laboratory and field assays; 3) Optimization on production methods of entomopathogens; 4) Compatibility between entomopathogens and entomophagous species (parasitoids and predators)

Previous FP experience

AIR, Third Framework Programme, AIR10386: LARGE-SCALE PRODUCTION OF VIRAL BIOPESTICIDES IN INSECT CELL CULTURES TO REDUCE WIDE-SPECTRUM INSECTICIDE USE

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Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "BIOLOGY AND CONTROL OF PLANT DISEASES" (AGR169). UNIVERSITY OF MALAGA**

R&D Institution

*PROFILE from SPAIN
(15ES045)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Different research projects are being conducted by our group (BIOLOGY AND CONTROL OF PLANT DISEASES), with aims in the etiology, epidemiology and control of diseases of relevant subtropical and Mediterranean crops, as well as in the characterization of the biology, pathogenesis, virulence and ecology of bacteria and fungi that cause them. The plant diseases in which we currently work are: (1) apical necrosis of mango by *Pseudomonas syringae*, (2) olive knot by *Pseudomonas savastanoi*, as models of bacterial diseases, considering different aspects of control, virulence factors, toxins, plasmids, host specificity and pathogenesis, (3) mango malformation by *Fusarium* spp. and, (4) avocado root rot by *Rosellinia necatrix*, and (5) cucurbit powdery mildew by *Podosphaera fusca*, as fungal disease models, considering different aspects about etiology, populations diversity, fungicide resistance, biological control and multitrophic interactions. These objectives are being addressed by different methodological approaches ranging from conventional methods in Plant Pathology to genomic approaches, as genome and plasmid sequencing, transcriptome analysis or functional genomics. Projects list:

- Genomic approaches for the rational control of cucurbit powdery mildew (*Podosphaera fusca*)
- Emerging diseases of mango crops in Andalusia. From basic research to technology transfer
- Mango malformation disease and its causal agent *Fusarium* spp.

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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- Genomic strategies for biological control of fungal diseases affecting relevant crops in Andalusia (Spain)
- Functional analysis of virulence factors and host specificity determinants in *P. savastanoi*
- Functional Genomics and Proteomics of Bacterial MDR Transporters During Plant Infection
- Understanding biological control of *Rosellinia necatrix*: genomic strategies applied to the study of multitrophic interactions in the avocado rhizosphere

Expertise offered (related to the topic)

- 1) Etiology, epidemiology and control of diseases of relevant subtropical (avocado and mango) and Mediterranean (olive and cucurbits) crops
- 2) Characterization of the biology, pathogenesis, virulence and ecology of bacterial and fungal phytopathogens
- 3) Biological control of soil and phyllosphere fungal pathogens
- 4) Population diversity studies (phyllosphere, rhizosphere and soil)
- 5) Fungicide resistance in fungal plant pathogens

Previous FP experience

- 1) A member of the group participated as postdoctoral researcher in project BIO 2-CT92-0084 (Biotechnology, FP III)
- 2) A postdoctoral member of the group is currently associated to the U-mobility program of the EU-University of Malaga (Spain), co-financed by the People Programme (Marie Curie Actions) of the European Union's Seventh Framework Programme, G.A. no. 246550

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH GROUP: "CONSERVATION AND SUSTAINABLE USE OF SOIL, WATER AND BIODIVERSITY IN AGRICULTURAL SYSTEMS" (AGR144). CENTRO IFAPA LAS TORRES-TOMEJIL.

R&D Institution

*PROFILE from Spain
(15ES047)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

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IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOQUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

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AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in Landscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers 'Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

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Expertise offered (related to the topic)

Issue B. [2015] Assessing soil-improving cropping systems

The Conservation and Sustainable Use of Soil, Water & Biodiversity in Agricultural Systems CUSABA (AGR-144) Group deals with land- and water-management interventions in Mediterranean agroforestry systems, with the aim of preventing, reducing or recovering losses of soil, water, and biodiversity.

In terms of knowledge and research, the focus is on sustainable land management, specifically: land-degradation processes; conservation measures and interventions at both field and watershed scale; and the harmony of sustainable management practices that encourage productivity, climate-change mitigation, soil quality as well as health, and woody biomass as biofuel. We seek to fill gaps in understanding the functioning of agroforestry systems through the study of the relations between biotic and abiotic ecosystem variables (e.g. plant and nematode community structure, soil quality for environmental health).

In addition, the members of CUSABA are involved in research for predicting the hydrological response of soil to a rainfall event at a square meter-centimeter scale, taking special focusing on the spatial configuration of soil roughness, improving the prediction of overland flow propagation by quantitative expressions of hydrological connectivity based on topography.

The Group has more than 80 erosion plots with different sizes distributed in different land-use types (olive, almond, vineyard, medicinal & aromatic plants, cereals, pine forest, pasture, shrubs, etc.) in hillslopes as well as in orchard terraces.

On the other hand, the CUSABA Group deals with renewable energy sources such as the performance the woody biomass under short-rotation systems, in different locations in Andalusia.

The group has more than 75 research papers in SCI journals, 60 papers in other technical journals, 12 books, and 13 book chapters. Today the Group is involved in five national and regional research projects in Spain.

The CUSABA approach associates physical features and strategic interventions, based on analysis of traditional land management, transformation, and adaptation, as well as promoting practical measures with strategies for attaining sustainable impact on agroforestry systems. The conservation practices of natural resources should provide farmers with the necessary skills for sustainable regulation of the cycles of carbon, water, and nutrients. Specifically in arid and semi-arid regions, the desertification process progressively drives farmers to abandon agricultural lands, thereby worsening climate change. In this type of scenario, it is crucial adapt to change and maintain productivity.

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CUSABA Group strives to develop solutions for land-degradation problems: optimization of current and future land use through conservation of natural resources, enhancement of environmental quality, highlighting the capital importance of sustainable agriculture not only to safeguard biodiversity, but also to foster human well-being.

Previous FP experience

The previous participation of CUSABA Group in EU programmes includes:

1) FP5 "The Future of Olive Plantations Systems on Sloping and Mountainous Land. Scenarios for Productions and Natural Resources Conservation, OLIVERO", QLK5-CT-2002-01841" (2003-2005).

2) FP7 "European Regions Fostering Innovation for Sustainable Production and Efficient Use of Woody Biomass, ROKWOOD", FP7-REGIONS-2012-2013-1, Grant Agreement N°319956 (2013-2015).

Other:

1) Aromatic and Medicinal Plants for erosion control in arid and semiarid environments. PCIAAM AI22010303. INTERREG III. EU (2003).

2) Border Campus for Sustainable Water Resources management. Border Cooperation Affairs Program, Spain-European-Union-FEDER (POCTEFEX 0072, CAMPUSEAGUA 2E) (2012-2013).

National projects:

1) Soil management in high sloping lands with rainfed olive groves. Effect on the transport of solids and runoff: Technical and economic evaluation (CAO 00-019-C5-1) (2000-2005).

2) Assessing the erosion in micro-basins with olive plantations: Protective effect of different soil management (CAO-01-0001-C4.02) (2001-2006).

3) Environmental study of nut trees cultivation in mountain areas under Mediterranean climate: almond and walnut (PIA-03-001) (2003-2005).

4) Protective and regenerative potential of aromatic and medicinal species in Granada and Almeria (SE Spain) for improvement the soil quality: Essential medical and advocacy interest in the environment of the use of these species (RTA04-012) (2005-2008).

5) Environmental impact of subtropical species cultivation in areas with steep slopes: Integrated actions for sustainable cultivation. (RTA2005-00008-00-00) (2006-2008).

6) Response of soil erosion and runoff to plant strips in high sloping lands (TRT2006-00007-C04-00) (2006-2008).

7) hydrological and erosive processes and assessment of biomass and organic carbon sequestration under different land uses in the agricultural watershed "El Salado", Lanjaron (SE Spain) (RTA2007-00008-00-00) (2007-2010).

8) Characterization of soil properties and hydrological patterns at multiple scales in agricultural watersheds using shallow geophysical methods (AGL2009-12936-C03-03) (2010-2012).

9) Techniques of conservation agriculture in rainfed tree crops and Mediterranean climate: implications for sustainable productivity, erosion control, maintenance of soil biodiversity and soil quality (RTA2011-00007-00-00) (2012-2015).

10) Agronomic and economic evaluation of energy crops in Andalusia (S Spain) (CAICEM-11-89) (2012-2013).

11) Evaluation and improvement of conservation management evaluation and improvement of conservation management in intensive olive plantations using tools probabilistic hidrogeophysis and ecohydrological models (AGL2012-40128-C03-03) (2012-2015).

12) Assessment of agro-environmental systems conventional, integrated, organic and conservation olive mountain: impact on erosion, quality soil and the commercial value of olive oil (AGR-7431) (2014-2016).

Ph.D. Dissertations:

1) Induced salinity induced in crops on steep slopes and control erosion and runoff: specific case of mango (*Mangifera indica* L.) (2001, University of Almería).

2) Assessing agronomic productivity losses from erosion in crops under Mediterranean climate (2004, University of Córdoba).

3) *Salvia lavandulaefolia* Vahl. *Ssp oxyodon*: evaluation of essential oil and its impact on the environment as harvesting intensities (2005, University of Granada).

4) Environmental impact of subtropical species growing in areas with steep slopes in the coast of Granada: sustainable corrective measures (2009, University of Granada).

5) Deficit irrigation for sustainable citrus cultivation in the Guadalquivir Valley (2010, University of Sevilla).

6) Assessing biomass from short-rotation woody crops as a sustainable energy resource in Andalusia: Opportunities and Challenges (2013, International University Menéndez Pelayo).

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Role in the project

Research; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

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Country: Spain

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E-mail: laura.valle@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "CONSERVATION OF AGRICULTURAL ECOSYSTEMS" (AGR244). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES049)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

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RELEVANT R&D PROJECTS

1. INTERREG:

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<http://www.seafareproject.eu/>

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EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

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SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

Issue B. [2015] Assessing soil-improving cropping systems

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The PAIDI group 244 "Agrarian Ecosystems Sustainability" is a multidisciplinary group formed by researchers and technicians with wide experience in improving the management and sustainable production of crops, both herbaceous and woody, from different disciplines.

Lines of research and technological development performed within the group are:

- 1,- Soil conservation and management, especially in agricultural conservation techniques, such as no tillage, minimum tillage and cover crops management focused on erosion control.
- 2,- Selection and management cover crop species to different cropping systems (olive and rainfed herbaceous crop) and use (biofumigation to weed and disease control, fertilization and erosion control).
- 3,- Crop rotation in rainfed herbaceous cropping systems to improve soils, increase efficiency water use, reduce weed and diseases and increase grain productivity and quality.
- 4,- Soil fertility. Improvement of soil fertility with the use of legumes cover crops and other amendments.
- 5,- Weed control and management in different cropping systems and different measures and tools: herbicides, allelopathy, competition, etc..
- 6,- Climate change mitigation. Two main aspects are being studied: a) Verification of the role of conservation agriculture in C sequestration. b) Evaluation of the rates of reduction of CO2 emissions from the soil conservation agriculture and conventional agriculture.
- 7,- Disease control and management in water and soil. The research is specifically focused on the fungus *Verticillium dahliae*, important disease in olive cropping systems. Several lines are being developed to reduce and control the disease incidence: a) Soil biofumigation with the use of amendments of cruciferous cover crops, b) Irrigation management to reduce *Verticillium* wilt of olive, c) Reduction of *Verticillium dahliae* infestations in the water and soil, d) Screening of olive genotypes for *Verticillium* wilt resistance.
- 8,- Efficiency irrigation water use. Technical improvement of irrigation systems and determination of doses of deficit irrigation to reduce water consumption.
- 9,- Efficient and rational use of the fertilization through of its application in the irrigation water.
- 10,- Biodiversity and use of beneficial insects to pest control.

Previous FP experience

The previous experience of the group 244 in European project is focused on the project LIFE08 ENV/E/000129 AGRICARBON. Two main objective are being studied: a) Verification of the role of

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conservation agriculture in C sequestration. In this objective are being studied the rates of CO2 sequestration from analysis of organic content matter and organic carbon and their evolution in the soil in different deeps; b) Evaluation of the rates of reduction of CO2 emissions from the soil conservation agriculture and conventional agriculture.

Recently we have been awarded a project LIFE + ClimAgri LIFE13 ENV/E/000541 entitled "Best agricultural practices for Climate Change: Integrating strategies for mitigation and adaptation" which will start the next growing season and whose main goal is to define strategies in crop management in the Mediterranean areas that mitigate the climate change effects and the crop adaptation to present and future climatic conditions.

Role in the project

Research; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "DINÁMICA FLUVIAL E HIDROLOGÍA" (TEP-248). UNIVERSITY OF CORDOBA**

R&D Institution

*PROFILE from SPAIN
(15ES051)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Cordoba, founded as such in 1972, has its roots in the Free University of the province of Cordoba in the late nineteenth century and has ancient studies such as Veterinary, unique in Andalusia. The dynamism of the UCO due to its youth and average dimensions - 21,000 students, 1,600 teachers and 700 employees - has helped to get to the twenty-first century as a high quality teaching and scientifically sound University. Since 2009, the University of Cordoba leads the Agrifood Campus of International Excellence (CeIA3), a project to modernize and internationalize the participating universities towards a sustainable production model based on knowledge.

Lecturers and researchers of the UCO, apart from lecturing among its more than 90 undergraduate and graduate degrees, lead about 200 research projects at international, national and regional levels of up to 28 millions of Euros. Similarly, there are 190 research groups whose average scientific output reached the 3,170 publications in the last three years.

The River Dynamics and Hydrology Group, works in the integrated management of watersheds and coastal areas and has certain experience in erosion studies. The Group has participated in 15 projects of public and private calls with a total of 74 publications in the last five years. A result of the researching activities is WiMMed, a free software distributed hydrological model for Mediterranean watersheds that includes the simulation of water flows and associated sediment and other substances fluxes. The Group collaborates with the Andalusian Water Agency in participation actions, training and transfer. Thus, the Group has been recently awarded with the Award for Knowledge Transfer of the UCO Social Council UCO in its third edition.

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Expertise offered (related to the topic)

One of the main lines of research of the Group is the assessment of the hydrological response of a certain area in terms of water as well as erosion and associated substances to runoff and sediments. We have developed specific tools to evaluate the environmental pollution in surface and subsurface waters under different land-use management scenarios. The complete hydrological model (with the water module, erosion and non-point source pollution generation and transport) developed by the Group can be used as a DSS tool. Thus, different tailor-made CA strategies to reduce soil loss and improve the sustainability of the crop production systems can be evaluated. Plus, the amounts and dates of application of external products to the crops such as nutrients and fertilizers can be planned to reduce the negative impacts on the environment again by the use of such models

Previous FP experience

The Group has participated in two previous projects of the FP: 1) Integrated Management of Mediterranean Watersheds of the BVM INTERREG III-B MEDOCC call and 2) Novel Integrated water management system for southern European regions (NOVIWAM) of the FP7 Regions of knowledge call.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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City: Sevilla

Country: Spain

Contact person: Leonor Camacho

Telephone: 0034 955 007 445

E-mail: leonor.camacho@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "ION AND WATER HOMEOSTASIS IN PLANTS" (BIO-027). INSTITUTO DE RECURSOS NATURALES Y AGROBIOLOGÍA DE SEVILLA

R&D Institution

*PROFILE from Spain
(15ES052)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

GENERAL ACTIVITY

Dr. Colmenero's group develops activities ranging from basic to applied research aimed at promoting new knowledge as well as providing new developments and technological services to public and private companies. Most outstanding scientific activities focus on: 1) the response and resistance mechanisms of plants to cope environmental stress; 2) Use of rootstocks as a mechanism to improve agronomic performance of citrus and olive cultivation; 3) Chloride/Nitrate homeostasis and regulation of plant water balance; 4) Chloride/Nitrate nutrition and fertilization management to reduce external nitrate input and to increase water use efficiency and drought tolerance. Basic research topics include: molecular response to water deficit; functional characterization of genes involved in Chloride/nitrate transport; role of Chloride homeostasis in water balance and drought tolerance; Ploidy level and stress tolerance; citrus functional and structural genomics. **RELEVANT R&D PROJECTS:** 1) Water deficit tolerance based on the regulation of chloride homeostasis and ploidy level; 2) New varieties for implementing the use of rootstocks aimed to improve intensive olive crop performance; 3) Sequencing, Genotyping and development of genomic tools for Citrus plant breeding (CITRUSEQ).

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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IMPACT: Improved tolerance to water deficit; improved management of external nitrate input; higher NUE (nitrogen use efficiency); better water management; new rootstock varieties for intensive olive cultivation, which are more resilient to abiotic stresses and resistant to pathogens (Verticillium), while providing better water use efficiency and reduced vigour.

Expertise offered (related to the topic)

Plant Molecular Biology, plant genomics; plant physiology; stress biology; water parameters, water use efficiency; turgor; photosynthesis; Ion transport, chloride transport; ion and nutrient content; functional characterization of plant genes; mutant lines, genotyping, phenotyping; tissue culture; woody plant micropropagation and genetic transformation

Previous FP experience

Participant in the FP6 Project "Citrus rootstock breeding for efficient water and nutrient use" (FP6-2003-INCO-MPC-015453)

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



UNIVERSITY OF SANTIAGO DE COMPOSTELA

R&D Institution

*PROFILE from Spain
(15ES053)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015 : Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Santiago de Compostela (USC), founded in 1495, is one of the university institutions with a great tradition in Europe. The large number and excellence of the courses taught and the quality of the research undertaken particularly in the fields of life sciences and agrofood place the USC among the most prestigious universities in Spain and Europe. As a matter of fact a USC's main project called CAMPUS VIDA (Life Science Campus) has been qualified in 2009 as an International Campus of Excellence by the Spanish Ministries of Education and Science and Innovation.

Expertise offered (related to the topic)

Modelling of forest growth and productivity

Forest management

Silviculture

Forest biomass, energy plantations and carbon fixation

Soil and forest nutrition

Role in the project

Research; Training

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

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Partnership Profile

 **UNIVERSITY OF TURIN-DISAFI- TEAM POST-HARVEST TECHNOLOGY AND SUPPLY CHAIN MANAGEMENT**

R&D Institution

*PROFILE from Italy
(15IT054)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The aim of the research team on "Post-harvest technology and supply chain management" is to improve the sustainability of the fruit and vegetable supply chain by optimizing their quality and shelf life through the use of post harvest technology. The driver of all research's activity is the adoption of innovation in the management of fruit production and process that can be able to fulfill sustainability criteria. Smart integration of multidisciplinary aspect such as physiological, safety, and instrumental and sensory quality measurement concepts is essential to develop the most effective handling procedures and innovative technologies for maintaining quality and shelf stability of fruit products. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Main topics

1. Physiology and post harvest quality
2. Storage management and packaging systems
3. Fresh-cut physiology and storage
4. Edible coating
5. Sustainability in the supply chain

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Relevant R&D projects:

2010-2012 Fruitgest project: quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest step funded by Piedmont Region through EU structural funds, participation as partner's project.

2010-2013 Vivopack: valorisation of Made in Italy agro-food products within the call new technologies for the made in Italy funded by the Italian Ministry of Economic Development, participation as partners' project.

2011-2014 F. & F. Biopack: research and development project on eco-sustainable packaging funded by Piedmont Region through EU structural funds, participation as partner's project.

Expertise offered (related to the topic)

The team performs research on sustainability in the fruit and vegetable supply chain, starting from the stage of production. LCA methodology, sustainability indicators multi-criteria analysis are applied to the most important sectors of the fruit production to integrate the traditional production processes with new technological innovations to answer the needs of reduction of the negative environmental impact of fruit and vegetables impact of production through less soil disturbance, better exploitation of soil biodiversity and more rational use of external inputs, water and natural resource base.

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES376)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork ,Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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Partnership Profile



AGRO-ECOSYSTEMS HISTORY LABORATORY. UNIVERSITY PABLO DE OLAVIDE

R&D Institution

*PROFILE from Spain
(15ES385)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production. B. (2015) Assessing soil improving cropping systems

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research on socio-ecological metabolism of agricultural systems and agro-food systems, from the farm scale to larger spatial scales. We quantify energy, material and emission fluxes in historical and present systems, extracting lessons about the sustainability features of past agriculture for the design of new systems incorporating present day technology to meet new societal needs. We focus on organic farming systems as starting models for the design of modern solar-based, resource-efficient, low-emission agricultural systems inserted in sustainable food chains. We combine the modelling of energy and material historical fluxes at different scales with experimental research at the farm scale and the design of future scenarios. Our works on agricultural sustainability include historical and economic studies (Infante-Amate 2012, Infante-Amate and González de Molina 2013a), energy assessments (Guzmán and Alonso 2008, Alonso and Guzmán 2010) and material flow accounting including the historical perspective (Guzmán and González de Molina 2009, Infante-Amate and González de Molina 2013), historical nutrient balances (García-Ruiz et al. 2012), land cost of agrarian sustainability (Guzmán and González de Molina 2009, Guzmán et al. 2011) and greenhouse gas emissions (Aguilera et al. 2013a, b). We are also involved in the study agricultural and food policies (González de Molina 2012), participatory guarantee systems (Torremocha, 2012), participatory research action (Guzman et al. 2012); and food system energy fluxes (Infante-Amate and González de Molina 2013b).

Expertise offered (related to the topic)

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Expertise in the assessment of nutrient and carbon balances and their relationship with broader social and environmental sustainability aspects. Sustainability assessment of cropping systems, through the study and integration of multiple sustainability dimensions such as energy, GHG emissions, biodiversity, land use, water footprint, adaptability, economic and social aspects. Long-term research and extension work in Mediterranean organic farming. Network of organic and conventional collaborative farms.

Previous FP experience

We are now involved in the research project "Sustainable Farm Systems: Long-Term Socio-Ecological Metabolism in Western Agriculture" funded by the Social Science and Humanities Research Council of Canadá, which includes 23 researchers from Europe, North America and Latin America. This project aims at a comparative analysis of the transition experienced by agriculture on both sides of the Atlantic from the point of view of the interaction with natural systems through the energy and material flows moved across the landscape.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



RESEARCH GROUP: "QUÍMICA ANALÍTICA DE CONTAMINANTES" (FQM170). UNIVERSITY OF ALMERIA

R&D Institution

*PROFILE from Spain
(15ES392)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

As cooperation partner, we are mainly focused on R&D and knowledge transfer activities in the field of food safety and quality and environmental monitoring. Our activities, including on-going R&D projects, can be summarized as follows:

- a) Environmental monitoring. Determination of pesticide residues and organic contaminants in a variety of environmental compartments such as soil, sediments, water or wastewater. Research is being done in the determination of priority contaminants including target pesticides, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), polybrominated diphenyl ethers (PBDEs), phenolic compounds (e.g. nonylphenol), dioxins and furans (PCDD/Fs) among others. For that purpose, our laboratory is using advanced analytical techniques such as GC and LC coupled to low resolution mass spectrometry (triple quadrupole analyzer) or high resolution mass spectrometry (magnetic sector, Orbitrap).
- b) The developed methods have been applied in several monitoring programs in the Community of Andalusia (Spain), with projects focused on soil quality monitoring in greenhouse agricultural areas and wastewater treatment plants.
- c) Establishment of validation and quality control procedures for the evaluation of the reliability of the developed methods. Quantitative validation and quality control procedures have been also performed in order to fulfil the requirements set by international legislation (mainly the European

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Union) and the chemical process of measurements is under statistical control, according to official accreditation guidelines (i. e. ISO/IEC 17025).

Expertise offered (related to the topic)

The Research Group can provide analytical support related to this topic:

- 1) Quality control procedures for the reliable determination of organic contaminants. Levels of metals can also be assessed.
- 2) The facilities of the Group include a variety of LC-MS and GC-MS instruments (LRMS, HRMS) suitable for adequate identification/confirmation of a high variety of compounds, including the most relevant residues and organic contaminants.
- 3) The Group can provide expertise in the development of methods for the analysis of organic contaminants in environmental samples, with particular experience in agricultural soil, and together with sampling and sample pre-treatment knowledge. The advanced analytical instrumentation available in the Group as well as the experience using it must be also considered. Finally, we are in touch with some interesting partners which are also related to agricultural production in greenhouses (Almeria province). This includes other R&D institutions from the EU, but also SMEs.

Previous FP experience

The group had participated as a partner in a Project during the IV EU Framework (FP4), entitled "The assessment of risk of exposure to plant protection products by operators, bystanders and workers and the environment" (REF: SMT4-CJ96-2048 (DG12-RSMT). Furthermore we have participated in the preparation of other projects in several calls (i.e. FP7-REGIONS-2009-1, Cooperation ENV.2008.6.1.2.1.4), obtaining good score, although the Project was not finally founded. Finally, in the last call of the FP7, we submitted a proposal as coordinators and another one as partner (FP7-KBBE-2013-7), but both projects were not founded. The Group has carried out a project related to the assessment of the quality of agricultural soil in Almeria province (Project Ref. P07-

320 AGR-02922), which is devoted to crop production in greenhouses.

Role in the project

Research; Training; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



CONSULTORÍA, INVESTIGACIÓN Y TECNOLOGÍA PARA IBEROAMÉRICA, S.A.

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES055)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

IBEROCONS S.A. is a Knowledge Based Company promoted by researchers from the Almería University. Shareholders belong to the PAIDI (Andalusian Plan of R+D+I), Latin-American and Spanish companies, and International consultants from the Latin American region. The company is created with the "know how" and the knowledge created by:

1. Researchers from the Almería University integrated since 1992 in several research groups belonging to Agriculture and Protected Crops, Irrigation and Fertigation, Postharvest technologies, Marketing of Agricultural Products, green energies, Business and Agribusiness, Economics, Applied Informatics and TIC to Agriculture and for SMEs.
2. By companies leaders in the development of Technologies in several topics related to Agriplasticulture, Economic and Environmental Consulting, Postharvest technologies and Marketing, Planning and Sustainable Development of Rural Areas and their Societies.
3. By nearly a hundred Ph D. of different Caribbean and Latin-American Countries, specialized in several areas of Agriculture and Local Development, that are part of our scientific staff database and IBEROCONS technological partners, belonging to the scientific Networks of CYTED, during the past 10 years.

Expertise offered (related to the topic)

Main Capabilities of the Company:

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- Academic training in advanced agriculture for post-graduate and professionals,
- Consulting on rural development, or on technological proposals to foster the growth of agricultural sector,
- Turn key projects (greenhouse structures, irrigation and fertigation, solar energy plants, design of plastic plant for producing irrigation systems, electronic bidding systems for producing markets, etc),
- Strategic Planning Programs for companies, public institutions and NGOs,
- Development of specific technologies for the creation of commercial platforms on-line, or for fixing prices of products under the Stock Market Transactions Model.

The company has a clear focus on the Latin-American market and counts with an important knowledge over the Rural World and Agribusiness, of nearly all the countries of Latin-America, having developed Business plans for different Governments and International institutions.

Previous FP experience

IBEROCONS has signed agreements with Universities, Research Centers and companies in Latin-America Countries:

COLOMBIA:

- CORPOICA (Colombian Corporation for Agricultural Development) to foster the development of research and training projects in order to transfer the knowledge to rural world
- EDEPROA (Economic Development of Orient "Antioqueño") to provide technical assistance for research projects and training programs to handle the new technologies.
- PQA S.A. and COSMOAGRO S.A., as shareholders in research projects towards the technological development of experimental stations and the research on new materials and products for the protection of crops in warm inter-tropical areas.

Main agreements with the Universidad de Almería:

- Universidad Nacional de Colombia in orde to develop joint programs with the support of Agencia Española de Cooperación Internacional y al desarrollo (AECID)
- SENA (National Service for Learning) in order to create a National Agricultural School.

ECUADOR:

- Regional Government of Santa Elena for the technical assistance for planning Development Policies, Business Plan, Specific Technologies, Market Studies and Training Programs

- Universidad de Guayaquil (UG) for selling technology and the technical assistance needed for building experimental stations in protected crops and Agriplasticulture.
- Universidad Estatal Península de Santa Elena (UEPS) as a technological partner to confront the challenges of the agricultural sector and its future development
- ELITE AGRO Foundation to develop consultancy in orienting and fostering training activities, for Publishing Studies, to create debate forums, as well as the construction of International Projects. All these functions will be based in the Agribusiness and Rural Development, Market and Environmental Sustainability in order to develop a training program for professionals and technicians, to improve the quality of life in those areas.

PANAMÁ:

- INNOVATEC IBEROAMERICA, a Joint Venture with Latin-American companies to offer technological projects and consultancy in knowledge transfer, market studies, supply chain management, quality certifications, and training of staff in innovative agriculture.
- IDIAF (Research Institute on Agricultural Sciences of Panamá), to develop and validate technologies of Agriplasticulture under a controlled environment. It is going to be developed assessment of Studies, projects, and technical assistance to improve the quality of research by the education capacitating of the researchers.

EL SALVADOR:

- Government of El Salvador through the National School of Agriculture “Roberto Quiñones” (ENA) to make an study on the viability of extensive Agriplasticulture and Crops Protection Systems in El Salvador; analyzing the impact of introducing these technologies in their economy, and evaluating costs and potentialities of building a National Reference Center.

PERÚ:

- Agribusiness Consulting & Management Perú (ACM), shareholder of Iberocons. ACM heads the Consulting services in Agribusiness in Perú, preparing companies to be ready in a competitive way in the specific target of the most profitable markets. Capabilities ACM-IB in Perú are (i) offering consultancy and studies in the public and private agricultural sector; in any item related to Agribusiness (management, training, market information, marketing, finance, value assessment, technology, R+D); (ii) Creation of management teams to help the company’s teams in operating specific areas of the organization as well as Project Management; (iii) Identifying and developing different Business in Agricultural area with potential growth. In the last 13 years they have managed around 250 projects related to companies and organizations of the agricultural sector. Nowadays

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ACM is the technical assistance for the FIDAF (Investment Fund in Agriculture and Forestry). Since 2005 has an agreement with IBEROCONS that started with the validation of a methodology to evaluate the impact (ex post) of the efficacy of research methods in the information of training funded by FDSE (Strategic Development Funds) and for the FTA (Agricultural Technological Funds) from INCAGRO Project.

- Contract with the company STRATOS DEL PERU S.A.C. to develop a strategic plan to judge the viability of the usage of sea water in the productive process of Ingenio Estrella del Norte in the city of Chepén, La Libertad.
- Contract with Universidad del Pacífico to promote the education of professors, students, technicians and professionals from Perú, answering to the local needs, based in the know-how and the historical background of the professors and researchers linked to IBEROCONS. Mutual assistance to develop both institutional missions.

REPÚBLICA DOMINICANA:

- Universidad Autónoma Santo Domingo (UASD) for the scientific and technical orientation and Management in the experimental station created by the IBEROEKA Project 03/304 (TROPICPROT).
- Universidad ISA ("Instituto Superior de Agronomía") to develop a technical assistance in scientific research and technological development for education and fostering the debate forums.
- Strategic Alliance to consult in AGROTEMAS; oriented to develop a technology to Project crops in warm inter-tropical areas, the development and experimentation of a "cold plastic" or non-thermal for covering the agricultural structures.
- Shareholder in FRUCASA, where small producers have the chance to export their production to Europe, helping them innovate and marketing their products through the Spanish company Hortofrutícola Verdimer, S.L., a strategic shareholder of Iberocons.

MEXICO:

- Tech Institute of Cosamaloapan, Alvarado, Tierra Blanca y San Andrés Tuxtla, and Veracruz, to develop agricultural Technologies that can be adapted to the specific needs of the Gulf of México, to look for the profitability and economic-environmental sustainability of small producers in their territory.
- Universidad Tecnológica Gutiérrez Zamora, to implement an experimental station for research in Agriplasticulture, Fertirrigation and taining of middle level managers of companies related to the previous fields.

- Institute TEPCO (Tecnología Productiva y Comercialización, S.A. de C.V.) for developing technologies that can improve the soil, market studies, and general marketing for products.

SISTEMA GENERAL AGROPECUARIO DE AMÉRICA:

- IICA (Instituto Interamericano de Cooperación para la agricultura), for mutual cooperation in the design and construction of projects for the sustainability of the rural World and for the education in Agroilasticulture and advanced agriculture.
- CIDAPA (Ibero-American Committee for developing Plastics in Agriculture), in order to assist and cooperate in the development of new materials and the experimental knowledge of the Management of crops in Latin-America.

Role in the project

Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



FARMERS AND LIVESTOCKS ASSOCIATION OF CADIZ (ASAJA CADIZ)

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES056)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

ASAJA Cadiz is an agricultural organizations created for the defense of the interests of farmers and searching for greater benefit of livestock and farmers, but always respect the environmet. ASAJA Cadiz has a extensive experiencie in R&D&i, but a national project. ASAJA is the main organization in Spain. The project to develop in the topic has the following objetives: a healthier livestock. animals disease resistant. the european union, in the framework of the common agricultural policy provides an essential mechanism to achieve the conservation and promotion of the cabin of the members states programs for the eradication of animal diseases. Animal diseases have become a problem of many costs for extensive farming, as it is very difficult to regroup cattle that are free in the bush for submission to multiple vaccinations and blood draws. This is what happens to meet livestock programs of brucellosis, etc. which could be solved if we got vaccines with longer lasting effects or animals genetically more resistant to these diseases. The problem of bluetongue disease, whose origin is Morocco, is causing many economic costs for the EU and Spain. It is essential to involve the pharmaceutical industry and Universities in the project.

Expertise offered (related to the topic)

ASAJA cadiz, as a main agricultural organizations, has experience in agricultural and livestock projects. Asaja cadiz has ejecuted the following projects in recent years:knowledge transfer the livestock sector of beef cattle, livestock reduction and its effects on natural regeneration of dehesas, grazing livestock management in rotary, etc.

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Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES057)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects were FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

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The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD)):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

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Partnership Profile



GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE

Other organization(consulting,association,...)

*PROFILE from España
(15ES058)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

Expertise offered (related to the topic)

Our association has a large experience in agricultural sector.

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Today we are a leader nationally in organic production.

Our work focuses on improving agricultural production in our territory through the incorporation new ecological practices such as search and use of more suitable local varieties, biological pest control, biofertilizers manufacturing, weed management, with purpose of obtaining higher quality foods, healthier and more environmentally friendly.

Currently we are in constant search of environmentally improve our productions to increase biodiversity, reduce greenhouse gases, reduce pollution and improve natural fertility of the land.

To study the evaluation of farming systems to improve soil, we can offer our high expertise in organic production, skilled farmers, network orchards experimentation in different agroecosystems (different soils, temperature, relative humidity, altitude, water availability, soil microbiology, conventional and organic garden,...) and good collection of seeds of local varieties.

We look forward to share experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable agriculture.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme.

National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese ", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza Fernández

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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES059)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

We have worked hard to achieve a more sustainable agriculture, combining the modernization of farms with environmentally friendly practices. As an example, we advised farmers regarding chemical fertilizers and we managed to reduce its use in 30% and to improve the utilization of solid and liquid fertilizers produced directly on the farms. In addition, we are collaborating with the testing process of a new innovative compound of indigenous bacteria able to reduce harmful substances and improve the properties of slurry and manure.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



LANDALUZ, ASOCIACIÓN EMPRESARIAL ALIMENTOS DE ANDALUCÍA

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES060)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

LANDALUZ is an association that gets together around one hundred and ten food producer companies from Andalusia, south of Spain, and gathers close to 70% of the Andalusian business sector. Our aim is to promote Andalusian high quality food products all over the world.

Expertise offered (related to the topic)

LANDALUZ, Asociación Empresarial Alimentos de Andalucía, was born in 1990 as the most important and relevant association in the agrifood sector in Andalusia. We have more that 20 years experience in the sector. We think we can contribute to the topic due to the years we have been working with companies with crop production and our knowledge about the sector.

Role in the project

Training; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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Partnership Profile



CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL

Technological Centre

*PROFILE from SPAIN
(15ES061)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the process of sustainable olive growing. Specific expertise in the topic is based in the following background and technological tools:

a. Application of NIR on-line technology for the detection of markers of fruit quality

b. Agronomic management techniques for olive orchards

c. Varietal studies in olive trees

d. Communication, dissemination and transfer of research results

e. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement n°: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement n°: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

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FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain. Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES062)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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Expertise offered (related to the topic)

CTAEX's expertise lies in the development of agricultural trials related to plant variety characterization, seeds and plant material multiplication, and crop management practices, specifically addressing sustainable crop production and mechanisms to increase productivity, stability, and quality of fruits, vegetables, cereals and legumes.

It also lies among the Agricultural Dpt. expertise the study of weed control and pest management through innovative procedures like the employment of aromatic and medicinal plant's bioactive compounds as well as those chemically interesting substances coming from the exploitation of by-products and residues of the agro-food industry. In this sense, up to 60 different vegetable species of Aromatic and Medicinal plants have already been successfully grown, extracted, characterized, and chemically and microbiologically evaluated in the search of bioactive compounds with different applications.

The soil quality and management is approached via the study of alternative cultivars, and the development of novel fertilization techniques including innovative eco-friendly amendments.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society'11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

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City: Badajoz

Country: Spain

Contact person: María García Rosa

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**FOUNDATION OF AUXILIARY INDUSTRY OF AGRICULTURE,
TECNOVA FOUNDATION**

Technological Centre

*PROFILE from Spain
(15ES063)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Foundation for Agricultural Auxiliary Technologies (TECNOVA Foundation) is a Centre of Technology Innovation Support on a national level. Furthermore, is a non-profit making private institution having legal personality currently made up of 125 companies belonging to the agricultural industry and auxiliary services, postharvest and packaging as well as administrations, entities privates and publics.

In TECNOVA, we count on an innovation department responsible for the administrative and economic management of R&D&I projects which are developed in the centre. Since 2001, date in which the Foundation was developed, the projects have been overcome the hundred.

Research and services department

Tecnova rely on two important research zones:

- Horticultural Production Technology (TPH)
- Postharvest and Packaging Technology (TPE)

Expertise offered (related to the topic)

TECNOVA has its own experimental station, laboratories and technology to carry on laboratory, semi-field and field experimental works. In these installations is possible to work with different vegetable cropping systems (protected and non-protected). Also one of our agricultural engineer is part of Focus groups of the EIP on "Agricultural Productivity and Sustainability". Also we have seed

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companies some of them SMEs and they are working on increasing productivity and stability of the agricultural sector through improved varieties and crop management strategies which allow for increased diversity and show higher adaptability to particular environments including under a changing climate

Previous FP experience

"Reducing mineral fertilizers and agro-chemicals by recycling treated organic waste as compost and bio-char products" "FERTIPLUS". This is a collaborative research project within the cooperation and thematic zone of agriculture, nutrition and biotechnology, KBBE.2011.1.2-02, from the 7th Framework Program (FP 7) FP7. Tecnova participates as a leader of a work package focused on the life cycle analysis. "Lactic acid bacteria and other microorganisms antagonists as preservatives in minimally processed fruit and vegetables" "BIOSAFOOD" funding by Eurotransbio under ERA-NET scheme FP7 tool for research, technological development and demonstration of the European Union.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES064)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusiness. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

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IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We performs the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS7MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation ad packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD has led numerous projects to develop new strategies for improving crop productivity. In our experimental fields we have introduced new crops for the farmer from Andalusia region (e.g. Stevia rebaudiana). We have developed new technologies for monitoring ground dynamic.

Moreover, our experimental field are located in different soil and climatic condition areas and we work on with vegetables and fruits.

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Taking into account the concept “multi-actor approach”, IDEALFOOD can provide stakeholders interested in this topic, including SMEs and other companies. IDEALFOOD can provide partners from third countries.

IDEALFOOD can carry out in-field demonstration activities of the technologies and products developed. Moreover we could focus on:

- Improving knowledge on complex plant-environment interactions and suitable combinations of genotypes and management practices.
- Increasing productivity and stability of agricultural sector through improved crop management strategies.

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK360)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agriculture and food sectors. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy on a commercial basis related to the development of new technologies. In our work we pay special attention to small and medium-sized companies, but we cooperate with companies of any size and any nationality.

We are a strong team of horticulturalists and laboratory technicians with many years of experience in plant breeding and plant biotechnology.

Expertise offered (related to the topic)

AgroTech offers expert knowledge in:

- Plant breeding techniques:

- Clarification of breeding goals, collection of plant material, structuring a breeding program and methods, development of screening and selection methods for morphological or physiological properties, including resistance properties, development of techniques for pollination and harvest, practical breeding efforts and development of stock seed systems.

- Plant biotechnology techniques:

- Non-GMO transformation techniques, chromosome counting, determination of ploidy level by flow cyto-metry, species and genus hybridization and mutation breeding.

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- Other aspects of product development in plants:

- Quality improvement in greenhouse crops by optimization of climate factors – temperature, light and fertilization. Domestication of new plant species for commercial greenhouse production through development of specific cultivation methods including methods to control flower induction and flower development. Development of alternative methods to chemical growth retardation of plants.

Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

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Country: Denmark

Contact person: Anders Skeem

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Partnership Profile

 **BIOLCHIM SPA**
SME
PROFILE from Italy
(15IT065)

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Biolchim S.p.A. is a leading company in the production and commercialization of biostimulants, whose function is to stimulate natural processes to enhance nutrient uptake, nutrient efficiency, tolerance to abiotic stress, and crop quality in full respect of sustainable agriculture values and practices. Thanks to the experience acquired in 40 years of activity, the strong relationship with the greatest worldwide producers of raw materials, and the collaboration with important Universities and Research Centres, Biolchim offers a complete portfolio of biostimulants that maximize the performance of any crop, anywhere in the world. Biolchim's R&D Team cooperates closely with Universities and Research Institutes all over the world with a view to transfer Knowledge directly to the field.

The working approach is based on 3 founding principles:

- innovative raw materials, especially botanical extracts and compounds of vegetal origin, to combine agronomic efficacy with environmental sustainability;
- high-tech manufacturing processes, to keep the biostimulant properties of plant extracts and natural molecules unaltered;
- large scale product experimentation, to ensure the highest standards of safety and effectiveness in all agricultural contexts. AREAS OF INNOVATION:

- PRODUCT

- MANUFACTURING PROCESS

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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•PACKAGING

•BUSINESS AND OPERATION MANAGEMENT

•MARKETING and COMMUNICATION

Expertise offered (related to the topic)

Prototype development and large-scale testing of fertilizers of biological origin, biopromoters of plant growth and improvers of plant stress tolerance;

industrial scale-up;

commercial launch (production of marketing material, distribution etc...)

Previous FP experience

Ongoing cooperations with Universities, Research Institutes, and other companies:

<http://www.biolchim.it/index.php?lang=en&page=win.html>

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

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Postcode: 40129

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Country: Italy

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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK066)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

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Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



DMC RESEARCH CENTER S.L.

SME

**PROFILE from SPAIN
(15ES067)**

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

DMC Research Center is dedicated to the development and manufacturing of a broad range of compounds and ingredients for the food industry. DMC Research Center was set up in 2005 from the R&D Department of DOMCA SAU, created in Barcelona in 1977 and subsequently moved to Granada in 1980. Since the set-up DMC has been developing new products that provide essential solutions in the food sector. Traditionally DOMCA has broad experience in the field of functional coatings and the preservation of dairy and meat products, and it also produces other mixtures of additives for agri-food industries.

The experience of DMC has allowed the diversification of research until the development of concrete solutions for any food sector. Since 1993, DMC's key research area has been on active principles with antimicrobial properties from natural sources, either of plant or microbial origin. The studies have looked at and developed valid alternatives for preservation in the food industry (dairy, meat, fruit and vegetable sectors, among others). DMC Research Center facilities include laboratories, applications and quality, of production lines, storage warehouses and offices. DMC Research Center has the most advanced production methods to ensure an efficient, uniform, top quality supply.

The Company has patents related to human and animal nutrition and collaborates with a number of national and international universities and research centers. It has been involved in more than 40 National R&D Projects and has been involved as well in publications, 8 articles have been published by the company, five of them in international magazines

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Expertise offered (related to the topic)

- 1.- Research and development of products from natural origin (vegetable or microbial), with biological capacity.
- 2.- Development of natural antimicrobials with a wide spectrum (antibacterial and antifungal) as preservatives in the food industry.
- 3.- Selective products against specific emergent foodborne pathogens (i.e. *Listeria monocytogenes* and *Campylobacter jejuni*).
- 4.- Natural additives as substitutes of the antibiotics used in animal feeding growth-promoters, including Aquaculture sector.
- 5.- Application of antagonist microorganisms for the control of diseases in post-harvest.
- 6.- Study of different supports for the dosage of the developed active principles and their inclusion in the appropriate systems.
- 7.- Development of natural products for disinfection of environmental industrial premises, as well as farming treatments (pre- and post-harvest).
- 8.- Study of potential applications in pharmaceutical industry, due to the antiviral power of some products developed.
- 9.- Advice services for concrete sets of problems, with personalised studies and search of solutions for different sectors of food industry.

Previous FP experience

DMC Research Center has a large experience in collaborative national projects and also has experience with the elaboration of FP projects.

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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City: Sevilla

Country: Spain

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Partnership Profile



RESBIOAGRO, S.L.

SME

**PROFILE from SPAIN
(15ES068)**

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

ResBioAgro is a biotechnological company, Spin-off of Seville University, being its main goal is to use the intellectual property accumulated over the last 25 years in the application of microorganisms as effective partners to provide biotechnological resources for the agriculture and the environment through products of high quality and services respectful with the environment, providing technology transfer from research to industry. ResBioAgro was set up in 2009, whose mission is to promote the technological development and the introduction of the Research and Development culture in the agribusiness.

ResBioAgro has qualified human resources and develops an intense activity that has gone in increase in the last years. At present, the investment in research and development (R&D) occupies almost the totality of the company patrimony and total number of graduates and doctors goes in increase, representing 85 % of the staff. Thanks to a tirelessly involved and highly qualified team in the projects developed, ResBioAgro has become an important company at national level of technological development and the introduction of the Research and Development culture in the agribusiness. ResBioAgro focuses on search and valuation of the soil microorganisms that are useful for agriculture of high safety for the consumer. At present, our priority is to generate biological products of high added value, as bacterial inoculants that act as Biofertilizers and Biocontrol Agents, dedicated to plant growth promotion, nutrients mobilization and control of plagues and diseases. ResBioAgro selects bacteria that are potentially useful as inoculants bacterial for agriculture and designs them.

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ResBioAgro develops a technology that guarantees a biological, economic and ecological productivity, promoting the use of microbiological soil resources in agriculture, respecting the environment.

Expertise offered (related to the topic)

ResBioAgro has as objective to satisfy the demand of its partners such as agricultural and biotechnological companies. At the same time we promote the research and development in the food industry and biotechnological area. ResBioAgro tries to contribute in microbiological advanced solutions, using the microorganisms as key pieces of the bioprocess, producing new knowledge, transferring the already generated one and innovating in the improvement of products and services across different lines of business that include three key sectors of the biotechnology, such as environmental, energy and food industry. Our technology and techniques are based in the following research area: Molecular Biology, Microbiology and Soil Microbiology, Physiology, Fermentations, Rice and legumes culture in-vitro. Also we have a large expertise in scaling plant and crop experiments in Fitotron, greenhouse, Plots and field trials. Our group is particularly specialized in the Plant microbe interactions and Plants growth promoting bacteria. ResBioAgro provides the following services to the customers : Microbiological characterization and identification, generation of microorganisms for the biological fight, study of microbiological diversity in different ecosystems and sites like agricultural soil or degraded and contaminated soil. Application of a new generation of inoculants in agriculture and the molecular monitoring of the microorganisms in post inoculation.

Biological quality of irrigation water using Molecular techniques .

Study of Systemic Resistance Induction (ISR) in plants.

Previous FP experience

ResBioAgro mainly works in devising and carrying out research projects that develop technologies, test existing ones and put scientific and biological products in place that improve the use of soils and interest crops through microorganisms.

ResBioAgro works and cooperates with national and international bodies to set up shared projects and/or participate in national and international programmes (CDTI, MINECO, Agencia IDEA, H2020, etc.). In the last official announcement of as Seventh Framework Programme , ResBioAgro participated actively in the drafting and preparation of a proposal of project coordinated by University of Seville (Tittle: Effects of PGPRs based inoculants on the growth and the architecture of the roots under abiotic stress conditions of two sequenced model plants: Medicago truncatula and Oryza sativa), which consortium was formed for:

- University of Seville. Spain

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- ISV-CNRS. Gif Sur-Yvette. France
- AgriFUTUR. Italy
- University of Lancaster. United Kingdom
- GenXpro. Germany
- University of Aarhus. Denmark
- IRNASE.CSIC. Spain

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES070)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

- * Design and implementation of robotic systems

- * Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

- * Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Training; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile

 **C.I.S.A.O. – INTERDEPARTMENTAL CENTRE OF RESEARCH AND COLLABORATION WITH SAHELIAN AND WEST AFRICAN COUNTRIES**

R&D Institution

*PROFILE from Italy
(15IT071)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

C.I.S.A.O. – Interdepartmental Centre of Research and Collaboration with Sahelian and West African Countries To this centre belong researchers and professors of Departments of the University of Turin, Public Research Institutions and independents technical and teaching assistants.

The departments involved are:

- Department of Chemistry;
- Department of Economy "S. Cagnetti De Martiis";
- Department of Agricultural, Forest and Food Sciences and Technologies;
- Department of Veterinary Sciences;
- Department of Geological Sciences;
- Department of Cultures, Politics and Societies.

Principal activities of the centre are the coordination of decentralized projects funded by the Piedmont Region in the 2000 in the programme "Fight against poverty and food security". Every year new projects develop different activities such as animal production, animal health, conservation of endangered breeds, agricultural productions, economics researches (cooperatives, women

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associations), environmental protection activities, etc. Moreover the centre has been involved in many other projects, such as the IAO Gender Project (Italian Foreign Ministry – DGCS), the UNI.COO. Project (University of Turin – Foundation of Casse di Risparmio del Piemonte), 4CITIESXDEV (Europeaid).

On October 2013 has begun the Higher Education Program EU-ACP titled R.U.S.S.A.D.E. (Network of Sahelian Universities for Food Security and Environmental Sustainability – FED/2013/320-115). The overall objective of the project is to mobilize knowledge and know-how to fight hunger and poverty and to increase environmental care in a sustainable development perspective, improving life conditions of the population and reducing the gender gaps in employment access and in sharing knowledge. The specific objective is to enhance higher education systems through Master courses to give technical, scientific and methodological bases to the students, allowing them to manage natural resources and to improve agriculture and food security with an multidisciplinary and interdisciplinary approach.

Expertise offered (related to the topic)

The main objective is the improvement of the conditions of life of the sub-Saharan populations and the eradication of extreme poverty and hunger. T

The opportunity of a multidisciplinary approach, even in a defined circle (i.e. a rural community), is really important because leaving from single and specific interventions it can support the others through the immediate transfer of the results of the various experiences. The single activities for the last decade are:

- monitoring and improving milk production (quantitative and qualitative controls) and animal nutrition in Niger (Toukounous Station) and in Burkina Faso (Groupement d'éleveur Ben Kadi – Bobo Dioulasso);
- conservation programme of the Somba cattle breed in the Atacora Region, North Benin (Boukombé and Natitingou);
- epidemiologic controls (infections and tick diseases) in the peri-urban area of Bobo Dioulasso, Burkina Faso, and in Mali;
- goat breed selection programme in S. Antao Island (Cape Verde);
- sanitary controls for a traditional cheese production in S. Antao Island (Cape Verde);
- use of natural insecticides in Sahel;
- support to beekeeping in Niger, Burkina Faso and Mali;

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- support to good management of garbage in Cape Verde, scholar educational programme;
- management of protected areas and natural parks in Senegal and Burkina Faso;
- support to women associations in Burkina Faso;
- support to farmer's associations and cooperatives in Senegal and Burkina Faso;
- recycling of plastic refusals in Niger.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

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Partnership Profile

 **DEPT. LIFE SCIENCES AND BIOTECHNOLOGIES (SVEB),
UNIVERSITY OF FERRARA, ITALY**

R&D Institution

*PROFILE from Italy
(15IT072)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

"MIxtures of bio-MOLEcules for Sustainable Applications" (MIMOSA) obtained from biowastes and by-products of agro-food SMEs through eco-friendly processes – is a research project with the aim to produce mixtures of natural compounds with applicative perspectives for health food area (food-supplements, functional foods, baby-foods, etc.). The natural compounds and their mixtures, characterized by different quality and quantity of chemicals obtained from bio-wastes of different origin through eco-friendly and low-CO2 impact processes, should be set-up prepared and commercialized with the support of agro-food SMEs.

The research is specifically targeted 1) to safe end-products through eco-friendly processes; 2) to SMEs as biowaste suppliers and beneficiary of the technologies.

The project includes sub-activity areas concerning

- a) the chemical characterization of the plant raw-extracts and their bio-guided fractionation;
- b) extraction strategies to be transferred to productive chains;
- c) in vitro biological activities to test bioactive capacity and safety of extracts, isolated molecules and their mixtures;
- d) the most appropriate formulation to reach the best activity of mixtures;
- e) in vitro, ex vivo and in vivo biological activity to test toxicological evidences of production processes and products to humans, animals and environment.

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Other sub-activities includes

f) economic studies to have the best results in terms of technological transfer from RU to SMEs which would have an income support as bio-waste suppliers and through diversification of their producing chain processing their biowastes/by-products;

g) marketing studies to guarantee the best results in terms of commercialization of the end-products by SMEs.

Expertise offered (related to the topic)

Chemical expertises, regarding extractive strategies with multiple approach with the aim to obtain low-environmental impact extracts; chemical characterization and quantification of plant extracts, fractions and pure compounds.

Instruments: Supercritical fluid extractor; Rapid and dynamic solid-liquid extractor (Naviglio instrument); Soxhlet extractors; distillators; macerators. TLC coupled to Visualizer and MS; HPLC coupled to DAD and MS; GC coupled to FID and MS. Biological expertises, regarding in vitro bioactivity assays with multiple approach including testing bioactivities directly on TLC chromatographic plate (TLC-bioautographic assays) to evaluate efficacy and safety of extracts/pure molecule directly on a chromatographic plate coupling chemical and biological evidences on the same support.

Biological activities tested: antibacterial, antifungal (yeasts and filamentous fungi) [all microorganisms are of human interest] by traditional methods, microplate reader, TLC-bioautography; antioxidant activity: DPPH, ABTS, beta carotene bleaching test all through spectrophotometric and TLC-bioautography methods; cytotoxicity against human cell lines (healthy and tumoral cells); mutagenicity and mutagen preventive activity by AMES test, SOS chromotest, Comet test assay, micronuclei test, Sister Chromatide exchange, Chromosomal aberrations (AC)

Previous FP experience

National project funded by MIUR of Italy (2009LR9YLF): Chemical characterization of plant extracts from crude drugs belonging to ayurveda and biological activities of whole phytocomplexe, their fractions and pure compounds targeted to human health.

Project funded by local institution (Chamber of Commerce of Ferrara territory): Chemical characterization of plant extracts from biowastes and/or by-products from agro-food SMEs and their bioactivity targeted to improve innate plant defense and organic quality of crops

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Project funded by Italian bank consortium (<http://www.ager.innovapero.it>): optimization of eco-friendly extraction processes of plant biowastes/by-products to obtain natural compounds with phytoiatric properties for *Pyrus communis* cultivations.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

Organisation name: Aster S. Cons. P.A.

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Partnership Profile

 **DEPARTMENT OF AGRICULTURAL AND FOREST SCIENCES**
R&D Institution
PROFILE from Italy
(15IT073)

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Department of Agricultural and Forest Sciences has a complete profile in relation to all the research activity on agricultural basis. It has a long history in terms of teaching and researching in Agricultural Sciences. The Research Unit on Plant Biodiversity (RUPB) at the Department of Agricultural and Forest Science of the University of Palermo is focused on the study of plant biodiversity in Mediterranean agroecosystems, on its characterization and in situ/ex situ conservation, in vivo as well as in vitro. The RUPB is also dedicated to the development of best management practices to be adopted for a functional biodiversity use in order to value agrobiodiversity and to enhance farm productivity.

The RUPB has been and still now is involved in several research projects related to the aspects derived from biodiversity traits.

By now, the RUPB leader is coordinating a Project funded by UE through the Regional Government aiming to build a Center of Conservation for Regional Biodiversity in connection with the European ones.

Expertise offered (related to the topic)

The RUPB offers wide skills in biodiversity estimation, plant taxonomy, plant characterization, local varieties characterization, rural areas management, best practices configuration, related statistical analysis. Moreover, an experience in national and international projects is available including UE projects. The RUPB has also participated at the Governmental Work for licensing the National

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Guidelines for in situ/ex situ conservation and characterization of vegetative, animal and microbial biodiversity (2012).

Previous FP experience

PSR 2007/2013 - Action 214/2 - A: Conservation of Biodiversity (Contract number: 94750773338)

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN (ASG member) / EEN BRIDGECONOMIES

Organisation name: Unioncamere Piemonte (ASG member)/ Consorzio Arca Palermo

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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT074)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research group focuses on functional biodiversity and soil food-webs in sustainable agroecosystems. We seek to provide the basis for the development of sustainable management of agroecosystems based on the conservation and enhancement of functional biodiversity. This goal is being achieved by (1) developing and validating ecological and biodiversity indicators (using arthropods and trait based approaches) to assess changes in quality and sustainability resulting from agricultural practices in agroecosystems; (2) developing strategies and habitat manipulation programmes to enhance functional biodiversity in agroecosystems and promote biological control.

Example projects:

- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (EXCL/AGR-PRO/0591/2012) - 2013-2015.

- Use of biological indicators as tools for assessing the impact of agricultural practices in sustainability of olive grove (PTDC/AGR-PRO/111123/2009) - 2011-2014.

- Increasing functional biodiversity in olive groves to enhance conservation biological control of insect pests (PTDC/AGR-AAM/100979/2008) - 2010-2013

Example publications:

Pinheiro LA, Torres L, Raimundo J, Santos SAP 2013 Effect of floral resources on longevity and nutrient levels of *Episyrphus balteatus* (Diptera: Syrphidae). *Biological Control* 67 178-185.

Santos SAP, Raimundo A, Bento A, Pereira JA 2012 Species abundance patterns of coccinellid communities associated with olive, chestnut and almond crops in northeastern Portugal. *Agricultural and Forest Entomology* 14: 376 – 382

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)

- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)

- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)

- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)

- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)

- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)

- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)

- Phytochemical traps for bee health control (FCT; 2013-15)

- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)

- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)

- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)

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- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

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Partnership Profile



RESEARCH GROUP "DEGRADACION DE TOXICOS ORGANICOS" (BIO191)

R&D Institution

*PROFILE from Spain
(15ES075)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Tino Krell heads the Laboratory of bacterial Sensing and Signal Transduction (<http://krell-laboratory.com/>) at the CSIC Institute Estación Experimental del Zaidín (<http://krell-laboratory.com/>). The laboratory studies modes by which sensor proteins detect environmental signals and ITC plays a central role in their research. Using ITC the laboratory has established many collaborations to study diverse molecular interactions.

Expertise offered (related to the topic)

Precise characterization of molecular interaction using microcalorimetry

To understand the molecular mechanisms of biological processes, knowledge on the molecular interaction of participating molecules is essential. Isothermal titration calorimetry (ITC) is now recognized as the Gold standard technique to study the molecular interaction between two ligands. An ITC experiments permits the determination of the full set of thermodynamic binding parameters in a single experiment (association constant K_A , dissociation constant K_D , enthalpy change, entropy change and Gibbs free energy change) and can provide useful information on the binding stoichiometry. An ITC experiment consists in a titration of one ligand with another and heat changes resulting from binding processes are measured. Ligands are both in solution and there is no need for their chemical modification. Since any type of binding causes heat changes ITC permits to analyze all types of molecular interaction.

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Tino Krell is a recognized microcalorimetry expert with more than 50 research articles in this field. He has used ITC to study the interaction between two different proteins (for example Daddaoua et al. (2013) Nucleic Acids Res. In press, Busch et al. (2009) J. Biol. Chem. 284:10353), proteins and DNA (Lacal et al. (2008a) J. Mol. Biol. 384:1037, Lacal et al. (2008b) J. Mol. Biol. 376:325, Guazzaroni et al. (2007) J. Mol. Biol. 369:927, Krell et al. (2007), J. Mol. Biol. 369:1188), proteins and small ligands (for example Garcia-Fontana et al. (2013) J Biol Chem. 288, 18987, Rico-Jiménez et al. (2013) Mol. Microbiol. 88,1230, Pineda-Molina et al. (2012) PNAS 109:18926, Arce-Rodríguez et al. (2012) Environ Microbiol. 14:702, Fillet et al. (2011) PNAS 108(37):15372, Busch et al. (2007) PNAS 104:13774, Lu et al. (2010) Lu et al. Genes Dev. 24:2556, Lacal et al. (2006) PNAS 103:8191) or peptides and small ligands (Santamaría-Hernando et al. (2012) PLoS One. 7:e40698). Since ITC is an universally applicable technique there is almost no limitation as to the choice of ligands and there is significant amount of literature that has described the ITC study of small molecules, RNA, carbohydrates, lipids, sugars etc.. In addition ITC is a universal assay for enzymatic activities (see Todd & Gomez (2001) Anal Biochem. ;296:179-87).

Previous FP experience

External advisor of the Euroneut-41 FP project on the development of an European anti-HIV vaccine (total budget 12 million Euros)

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH GROUP: "ESTUDIO DE MECANISMOS DE TOLERANCIA DE LAS PLANTAS A ESTRESSES ABIÓTICOS" (BIO124)

R&D Institution

*PROFILE from España
(15ES076)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

We use an integrated approach to study the biochemical and molecular mechanisms of ion homeostasis in plants in order to develop biotechnological applications to improve salt tolerance, mineral nutrition and water use efficiency in crop plants. The identification and function of transport systems of Na⁺, K⁺ and H⁺ and their regulatory proteins (NHX, SOS, CHX, CCX, HKT, NhaD and KEA) are investigated in model systems (yeast and Arabidopsis) and crop plants (tomato). For this purpose we use in vitro and in planta functional analysis. In vitro approaches imply membrane protein purification and reconstitution in liposomes, whereas in planta analysis is mainly based on gene overexpression and silencing (RNAi) experiments (Arabidopsis and tomato).

Ongoing Research projects: Estudio del potencial biotecnológico de transportadores de Na⁺ y K⁺ para la mejora de la tolerancia a la salinidad y la eficiencia en la nutrición del K⁺ en tomate

Reference: Proyecto de Excelencia, Junta de Andalucía (CVI-7558)

Co-funding: Fondos Feder
Principal Investigator: M. Pilar Rodríguez Rosales
Starting year: 2013 end: 2017

Antiportadores catión/protón intracelulares de plantas: papel en la nutrición de potasio y la tolerancia a los estreses osmótico y salino

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Reference: Plan Nacional (BIO2012-33655)

Co-funding: Fondos Feder Principal Investigator: Cornelius Marinus Venema Starting year 2013 end : 2015.

Long-distance Na⁺ y K⁺ transport in tomato under saline conditions: biotechnological aspects :

PLAN NACIONAL(AGL2010-17090) Co-funding: FONDOS FEDER

Principal Investigator: Andres Belver Cano Starting year : 2011 end : 2013

Expertise offered (related to the topic)

1. Identification of ion transport systems in tomato: search for and cloning of tomato cation/proton antiporters and other transport systems or regulatory proteins based on homology to identified transporters in the Arabidopsis genome (NHX, SOS, CHX, CCX, HKT, NhaD and KEA).
2. Biochemical characterization of the ion transporters in heterologous (yeast and E. coli) systems through protein purification and reconstitution in liposomes in order to determine in vitro transport activity.
3. Functional characterization in plant by means of gene silencing in tomato and gene overexpression in Arabidopsis and tomato.
4. Evaluation of the biotechnological potential of the transporters to improve salt tolerance and potassium nutrition in crop plants.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Laura Valle

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "AGRICULTURE AND ENVIRONMENT IN ARID AREAS" (RNM 151). UNIVERSITY OF ALMERIA

R&D Institution

*PROFILE from Spain
(15ES077)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our research group has been working on Vegetable Protected Crop Systems during last 25 years. Created in 1991 in the Univ. Granada, implemented at the Univ. Almeria, after its creation in 1994, with the aim of carrying out research to support intensive agriculture with high yields, with respect for the environment and the efficiency in the use of natural resources. Different research projects are being conducted by our group with aims in Protected Horticultural Production Technology on Arid and Tropical Areas. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Expertise offered (related to the topic)

The Group offers wide skills in: Plant nutrition and ferti-irrigation strategies of vegetable protected crops. Optimization and management of water and fertilizers (Fertigation) in horticultural and ornamental crops. Development of growing system for vegetable crops, Hidroponics, Soilles Sstems and Vertical Gardening . Investigations in improved nutrient efficiency. Physiology and Technology of Harvest and Postharvest of Vegetable Products.

Previous FP experience

No previous experience in FP, at the moment only R&D projects at National and International level.

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Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



RESEARCH GROUP: "AGRIFOOD GENETIC IMPROVEMENT" (AGR254). CENTRO IFAPA LA MOJONERA

R&D Institution

*PROFILE from Spain
(15ES078)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in Landscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS.

Expertise offered (related to the topic)

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The AGR254 Group offers to the topic SFS-5-2015 wide expertise in:

- High throughout biological and molecular techniques for selection of materials of interest for food quality, resistance or fruit production: Tilling, gene selection, tests of biotic resistance...
- Quantification of compounds of nutritional value in fresh vegetables: antioxidants, sugars... Application to cultivar selection
- Gene linkage to function via genetic mapping and quantitative PCR
- Generation of new genetic variability via chemical induction and application to plant breeding

Previous FP experience

The AGR254 Group has previous experience with the followings Projects International and Nationals:

Name: Nematode Susceptibility Targets fOr a durable Resistance, NESTOR

Program: Plant-KBBE. Acciones de Programación Conjunta Internacional

Dates: 4/2014 to 3/2017

Name: Competitive development of new cultivars of summer squash and increase of the genomic platform for the breeding of this species

Program: INIA

Dates: 11/2011 to 10/2014

Name: ESP-SOL. Identification of genes and molecules associated to tomato fruit quality and participation in the sequencing of euchromatic regions of Chromosome 9. A genomics approach

Program: Fundación Genoma España

Dates: 06/2004 to 05/2007

Name: Increase of the added value of summer squash cultivars with characters of fruit quality

Program: Zetaseeds company

Dates: 07/2009 to 06/2012

PUBLICATIONS:

Authors: N. Vicente-Dólera , V. Pinillos , M. Moya , M. Del Río-Celestino , T. Pomares-Viciano , B. Román , P. Gómez

Title: An improved method to obtain novel mutants in Cucurbita pepo by pollen viability

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Journal: Scientia Horticulturae 169 (2014) 14–19

Authors: N. Vicente-Dólera, C. Troadec, M. Moya, M. del Río-Celestino, T. Pomares-Viciano, A. Bendahmane, B. Picó, B. Román and P. Gómez

Title: First TILLING platform in Cucurbita pepo: a new mutant resource for gene function and crop improvement

Journal: PLOS-One, Mai 2014 (In Press)

Authors: Obrero A, González-Verdejo CI, Die JV, Gómez P, Del Río-Celestino M, Román B.

Title: Carotenogenic gene expression and carotenoid accumulation in three varieties of Cucurbita pepo during fruit development.

Journal: J Agric Food Chem. 61, pp. 6393 - 6403. 01/07/2013.

Authors: Cristina Esteras, Pedro Gómez, Antonio J Monforte, José Blanca, Nelly Vicente-Dólera, Cristina Roig, Fernando Nuez, Belén Picó.

Title: High-throughput SNP genotyping in Cucurbita pepo for map construction and quantitative trait loci mapping.

Journal: BMC Genomics. 13:80., pp. 0 - 0. 01/02/2012.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH GROUP: "APPLIED MICROBIOLOGY AND MOLECULAR GENETICS" (BIO219). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from España
(15ES080)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

This research group at the University of Cádiz, under the direction of Full Professor Laureana Rebordinos González, centres its research on the molecular study of the pathogenic mechanisms of the fungus *Botrytis cinerea*; on the development of applications for the comprehensive control of fungal diseases; on molecular genetics and cytogenetics of marine organisms; and on the genomic characterization and study of the properties of the different gene groups found in the yeast used in wine making and which are responsible for the production of fino and manzanilla wines. The group has signed 23 contracts up to date, to a total amount of 702,374.468 euros. In addition, the members of this group hold two national patents, and furthermore group BIO-219 has developed a total of 31 research projects.

Expertise offered (related to the topic)

Exploring Pathogenic Mechanisms of phytopathogenic fungi (*Botrytis cinerea* & *Colletotrichum acutatum*) by molecular biology and proteomic approaches: Applications to integral Management of fungal control diseases. Study and genomic characterization of wine yeast: wine production improvement

Previous FP experience

Projects

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Design of formulations for the comprehensive control of fungal diseases in fruit and vegetable crops, vines and stored grape. Impact on the winemaking and aging processes of Jerez wines.

Improvement of the qualities of bread and wine through modification of the yeasts involved in the production processes.

Development of genetic allozyme and microsatellite molecular markers in the sole species *solea senegalensis*

Selective fungicides for the comprehensive control of botrytis infections in commercial crops

Inhibition of the biosynthesis of toxins involved in the infection mechanism of botrytis cinerea: molecular characterization of the mechanisms of pathogenicity. Application to the rational control of the phytopathogen.

Chemical and microbiological characterization of colletotrichum species involved in anthracnose in strawberries and grapes. Search for new models of fungicides.

Molecular characterization of enzymatic complexes related with toxin biosynthesis and their implication in botrytis cinerea pathogenicity. Application to the rational control of the phytopathogen.

Study of secondary metabolism in strains of the colletotrichum species involved in anthracnose in strawberries and grapes.

Search for new molecular targets involved in the infection mechanism of botrytis and colletotrichum. Proteome analysis and design of fungicides for the rational control of these phytopathogens.

Characterization of new molecular targets from botrytis cinerea and colletotrichum acutatum proteome and genome. Development of selective fungicides to control these phytopathogens.

Preparation of a preliminary chromosome map of the karyotype of the sole (*solea senegalensis*). Integration of physical and genetic mapping.

Transnational Web for Biotechnology in Aquaculture.

Transfer to Cupimar of the techniques for the determination of the effective population size in gilthead bream culture: assessment of genetic variability and consanguinity.

Use of molecular techniques for the characterization of strains involved in the production of biologically aged young wines (fino and manzanilla wines).

Determination of molecular markers for the identification of bullet tuna.

Use of immobilized microbial bioreactors in anaerobic degradation. Kinetic modeling of the behaviour of microbial biofilms

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Genetic improvement of gilthead bream growth through marker-assisted selection (RFLPS in candidate genes).

Determination of sludge activity in urban wastewater treatment plants: application to process control.

Production of a human protein for therapeutical use in plant biofactories (Proteofactory).

Creation of an Andalusia-Morocco Fishing Observatory for scientific and technical cooperation and information in the sphere of fishing and aquaculture.

Genome and cytogenetic characterization of the genes involved in the metamorphosis of the sole (*solea senegalensis* kaup).

Phytoprotectors and early detection of phytopathogenic fungal infections: development of resistance to botrytis and colletotrichum infection in agrifood crops.

Development and application of genetic, molecular and cellular markers to reproduction, sexual differentiation and phylogenetics: teleostei fish of the batrachoididae family as models.

Characterization and optimization of Andalusian wine, brandy and vinegar aging systems.

Genetic and biochemical characterization of the secondary metabolism of the botrytis cinerea fungus. Biosynthetic design of natural botrycides.

Biosynthetic design of natural botrycides. Genetic manipulation of the botrytis cinerea phytopathogen

Tools for a marker-assisted selection program in gilthead bream (*sparus aurata*). Search for QTLs and analysis of heritability for growth.

Use of molecular techniques for the characterization of strains involved in the production of wines aged under the biological system used for manzanilla.

Typification of alterations in gametes, larvae and juveniles through the study of molecular and genetic markers in hormone-therapy induced reproduction in Senegalese sole.

Role in the project

Research; Training; Tech. Development; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Rocío Muñoz Maestre

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Partnership Profile



RESEARCH GROUP: "CROP IMPROVEMENT AND BIOTECHNOLOGY" (AGR237). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES081)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Our group AGR237 has expertise in traditional and marker assisted breeding of different legume crops. The group has pioneered the development of all faba bean genetic maps available so far that include genes/ QTLs controlling resistance to crop pathogens, yield components and nutritional aspects. We have just constructed the reference consensus map for this crop, a genomic tool useful for tagging genes of interest and develop marker assisted selection (MAS) approaches. Relevant contributions have been developed as well in chickpea. The group has participated in the genome sequence of the crop and in the development of maps identifying markers tagging genes controlling disease resistance, quality and other important agronomic traits.

In faba bean all the segregating populations (RILs) required are available as well as all of the genetic maps published so far in the species. Genes/QTLs controlling resistance to broomrape (*Orobanche crenata*) ascochyta (*Ascochyta fabae*) and rust (*Uromyces viciae-fabae*) have been already identified and some of them validated in different environment and genetic backgrounds.

In chickpea, the group has long experience in classical breeding programs, development of genetic map and use of molecular markers in breeding selection. We have developed plant material valuable for research studies as Recombinant Inbred Lines (RILs) and Near Isogenic Lines (NILs).

Several of the available population might segregate for resistance to abiotic stresses as well. Our group has collaborated with international legume research groups in the European projects EUFABA, GLIP, ASCORAB and LEGATO

The AGR237 Group offers to the topic SFS-5-2015 wide expertise in:

- Protocols and experience for DNA and RNA extraction of different herbaceous and woody species.
- Protocols for PCR, agarose and acrylamide gel electrophoresis, fragment analysis.
- Application of different types of markers (RAPDs, AFLPs, SSRs, CAPs, dCAPs, SNPs, ESTs, etc..) and development of efficient conditions for their amplification.
- Mapping and QTL detection.
- Cloning and sequencing of amplified products.
- Gene expression studies by real-time PCR.

Previous FP experience

The AGR237 Group has previous experience with the followings Projects International:

- EUFABA-QLK5-CT-2002-02307;
- GLIP: Grain Legumes-FP6-2002-FOOD-1-506223;

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- LEGRESIST: ERA-PG-GEN2006-27798-C6-5-E/VEG;
- LEGATO[KBBE.2013.1.2-02]:LEGumes for the Agriculture of TOmorrow ", Grant agreement no: 613551)

Role in the project

Research; Training; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "OLIVE GROWING AND OIL TECHNOLOGY" (AGR240). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES083)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

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- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
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Additionally IFAPA is developing two important transfer systems:

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- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

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www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

The AGR240 Group offers to the topic SFS-5-2015 wide expertise in:

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Olive breeding for high productivity,
- Resistance to Verticillium wilt,
- Adaptation to different growing systems (including hedgerow orchards), oil quality and rootstocks.
- Olive cultivar comparative trials.
- Molecular markers for cultivar identification and linkage mapping.
- NIRS for evaluating fruit and oil traits in olive breeding.

Previous FP experience

The AGR240 Group has previous experience with the followings Projects International and Nationals:

- Control force in olive plantations in hedgerow (Control del vigor en plantaciones de olivar en seto) RTA2008-00033-C02-00.
- Prospecting, study of genetic variability and ex-situ conservation of wild olive genetic resources (Prospección, estudio de variabilidad genética y conservación ex-situ de recursos fitogenéticos silvestres de olivo) RF2009-00005-00-00.
- Improving the quality of virgin olive oil: influence of pollination and development of molecular markers (Mejora de la calidad del aceite de oliva virgen: influencia de la polinización y desarrollo de marcadores moleculares) AGR-4516.
- Improvement of resistance to verticilosis olive tree (Mejora de olivo para resistencia a verticilosis) RTA2010-00036-C02-00.
- Integrated control of Verticilosis in olive with sustainable and environmentally friendly strategies (Control integrado de la Verticilosis del olivo con estrategias sostenibles y respetuosas con el medioambiente). PP.PEI.PEI2011.1.
- Contribution of olive history for the management of soil-borne parasites in the mediterranean basin (PESTOLIVE)
- Detection and applicability of SNPs markers for diversity studies in olive tree varieties and its genetic mapping (Detección y aplicabilidad de marcadores SNPs para estudios de diversidad en variedades de olivo y su mapeo genético) UJA2011/13/13.
- Force Control of olive grove in hedgerow through genetic improvement (Control del vigor en olivar en seto por mejora genética) RTA2012-00018-C02-00
- Transform Project Olive grove and Oil (Proyecto Transforma Olivar y Aceite) PP.TRA.TRA201300.5

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Quality assessment of virgin olive oil in olive grove genetic breeding programs (Evaluación de la calidad del aceite de oliva virgen en programas de mejora genética de olivo) AGR-7301

Role in the project

Research; Training; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



UNIVERSIDAD DE CASTILLA LA MANCHA

R&D Institution

*PROFILE from SPAIN
(15ES085)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Molecular Biology and Plant Physiology research group at University of Castilla La Mancha is focus on the study of plant secondary metabolites from different plant species. The main objective is looking for new sources of nutraceuticals, and phytochemicals with different potentials as medicinal, antioxidant and antimicrobial activities.

Web page: <http://bmfv.uclm.es>

The research group has been involved in several projects. Right now is running two national and one regional research projects:

- Phytochemical characterization of traditional Spanish plants used in folk medicine.
- Omics technologies for the identification of the key players involved in the biosynthesis and regulation of plant apocarotenoids.
- Antimicrobial and antioxidant activities of garlic extracts for their implementation on bioactive polymers.

Expertise offered (related to the topic)

The research group has large expertise in research activities related to plant secondary metabolites, molecular biology, biotechnology, genetics, biochemistry and physiology.

Web page: <http://bmfv.uclm.es>

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

No previous experience in European Framework Programmes. At the moment only R&D projects at national and regional level.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

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City: CIUDAD REAL

Country: SPAIN

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **UNIVERSITY OF PARMA**
R&D Institution
PROFILE from Italy
(15IT086)

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Parma University, Department of Biological science:

Cytological, ultrastructural, molecular and functional aspects of plant response to heavy metals, with particular focus on phytochelatin biosynthesis and antioxidant response under metal(loid) stress.

Biomonitoring of environmental pollution due to heavy metals by means of algae, lichens and plants; phytoremediation and rhizofiltration of heavy metals in soil and freshwater. Histology and microscopy in plants exposed to heavy metal stress and to biotic agents (phytoplasmas and fungi).

Expertise offered (related to the topic)

Expertize on biotic/abiotic stress tolerance/resistance and environmental benefits. Experience in molecular, cytological, functional aspect of plant-environment interactions.

Previous FP experience

Polish/Italian Joint Research Project 2001 (CNR) - Mechanisms of heavy metal detoxification in algae and lichens – Italian Scientific Coordinator

PRIN 2002 - Electrophoretic protein patterns as markers of phytoplasma biodiversity – Scientific Consultant

PRIN 2004 - Metal chelates of aminoacids, alfa hydroxy acids and peptides (phytochelatins) – External Scientific Consultant

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 <i>Business Support on Your Doorstep</i>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Scientific Project FIL 2004 - Lichen and plant response to heavy metal pollution and elevated concentrations of atmospheric carbon dioxide – Scientific Coordinator

PRIN 2005 - Induced resistances, antagonists and recovery mechanisms for an innovative study of phytoplasma infection in crops – Scientific Consultant

CNR-NATO 2005 Fellowship on Metals and elevated CO2 combined effects in plants - Scientific Director

PRIN 2007 - Arsenic tolerance and accumulation in model plants, colonized or not by arbuscular mycorrhizal fungi – Scientific Consultant

Scientific Project FIL 2007 - Cytological and functional aspects of lichen and plant response to heavy metals – Scientific Coordinator

2007 - Biomonitoring of atmospheric pollution by means of trasplanted lichens – Scientific Coordinator

Scientific Project FIL 2008 - Cytological, histological and ultrastructural plant response to metal(loid)s – Scientific Coordinator

Scientific Project FIL 2009 - Histology and morphogenesis in carrot plants under metal stress - Scientific Coordinator

Scientific Supervisor of "FITOSELEX", a "Project with high level of know-how and innovation", funded by the Emilia-Romagna Region (prot. 485/09), and dealing with the removal of environmental contaminants by means of clonally-propagated plants.

AGER Project 2011 - Grapevine Yellows: innovative technologies for the diagnosis and the study of plant/pathogen interactions – Unit Scientific Coordinator

Scientific Project FIL 2012 - Survey on the evolutionary role of phytochelatins in bryophytes – Scientific Coordinator

Role in the project

Research; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

Organisation name: Aster S. Cons. P.A.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Address: via P. Gobetti 101

Postcode: 40129

City: Bologna

Country: Italy

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Fax: 0039 0516398131

E-mail: simpler@aster.it

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **UNIVERSITY OF TURIN-DISAFI- TEAM POST-HARVEST TECHNOLOGY AND SUPPLY CHAIN MANAGEMENT**

R&D Institution

*PROFILE from Italy
(15IT087)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

The aim of the research team on "Post-harvest technology and supply chain management" is to improve the sustainability of the fruit and vegetable supply chain by optimizing their quality and shelf life through the use of post harvest technology. The driver of all research's activity is the adoption of innovation in the management of fruit production and process that can be able to fulfill sustainability criteria. Smart integration of multidisciplinary aspect such as physiological, safety, and instrumental and sensory quality measurement concepts is essential to develop the most effective handling procedures and innovative technologies for maintaining quality and shelf stability of fruit products. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Main topics

1. Physiology and post harvest quality
2. Storage management and packaging systems
3. Fresh-cut physiology and storage
4. Edible coating
5. Sustainability in the supply chain

Relevant R&D projects:

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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2010-2012 Fruitgest project: quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest step funded by Piedmont Region through EU structural funds, participation as partner's project.

2010-2013 Vivopack: valorisation of Made in Italy agro-food products within the call new technologies for the made in Italy funded by the Italian Ministry of Economic Development, participation as partners' project.

2011-2014 F. & F. Biopack: research and development project on eco-sustainable packaging funded by Piedmont Region through EU structural funds, participation as partner's project.

Expertise offered (related to the topic)

The team performs research on physiology and quality: By studying the metabolism of the products has been possible to model the physiological behaviour of species and new varieties introduced on the market throughout the supply chain according to the different crop management strategies and environment.

The team performs research on sustainability in the fruit and vegetable supply chain, starting from the stage of production. LCA methodology, sustainability indicators multi-criteria analysis are applied to the most important sectors of the fruit production to integrate according an olistic approach the traditional production processes with new technological innovations to face the targets of improving yield, yield stability and environmental benefits.

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

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Country: Italy

Contact person: Daniela Vismara

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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES377)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork ,Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 6006

City: Badajoz

Country: Spain

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Partnership Profile



UNIVERSITY OF COPENHAGEN - DEPARTMENT OF PLANT AND ENVIRONMENTAL SCIENCES

R&D Institution

*PROFILE from Denmark
(15DK383)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

University of Copenhagen - Department of Plant and Environmental Sciences' research and teaching focus on plants, microorganisms, animals, biotechnology and the environment as basis for sustainable production of the food of the future and other biological products. The Department has established advanced technological platforms for bio-imaging, metabolomics, analytical chemistry and phenomics.

Department of Plant and Environmental Sciences conducts pioneering research that both creates knowledge about basic biological, chemical and physical processes and brings into play academic knowledge in conventional and new innovative biological production systems.

Expertise offered (related to the topic)

Central tenet:

Crop relatives and other wild plants have evolved adaptations to the environment that may solve many of the challenges of modern plant production - and it is now more feasible than ever to prospect and utilise these with modern plant science techniques.

Education and scientific field:

Population ecology, population genetics, evolutionary biology, reproductive biology.

Research qualifications:

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Genetic resources in wild and weedy plant species

Special focus on Brassicaceae

Special focus on herbivore and pathogen resistance

Genotype - environment interactions

Abiotic and biotic stress adaptations

Plant- arthropod-pathogen interactions

Plant reproductive biology

Interspecific hybrids and their role in evolution and as genetic resources

Inbreeding, inbreeding depression, maladaptation due to outcrossing

Conservation and management of plant populations

Previous FP experience

The department has been and is involved in a number of EU projects and been the coordinator of EU projects like eg. the FP7 project SWUP-MED (Sustainable water use securing food production in dry areas of the Mediterranean region) which strategic objective was to improve food production by introducing climate-proof varieties in crop rotations of wheat, grain legumes and new crops (potentially high value food cash crops) in a rainfed system with supplemental deficit irrigation using marginal-quality water and harvested rainwater.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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E-mail: as@agropark.dk

Partnership Profile



CONSULTORÍA, INVESTIGACIÓN Y TECNOLOGÍA PARA IBEROAMÉRICA, S.A.

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES088)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

IBEROCONS S.A. is a Knowledge Based Company promoted by researchers from the Almería University. Shareholders belong to the PAIDI (Andalusian Plan of R+D+I), Latin-American and Spanish companies, and International consultants from the Latin American region. The company is created with the "know how" and the knowledge created by:

1. Researchers from the Almería University integrated since 1992 in several research groups belonging to Agriculture and Protected Crops, Irrigation and Fertigation, Postharvest technologies, Marketing of Agricultural Products, green energies, Business and Agribusiness, Economics, Applied Informatics and TIC to Agriculture and for SMEs.
2. By companies leaders in the development of Technologies in several topics related to Agriplasticulture, Economic and Environmental Consulting, Postharvest technologies and Marketing, Planning and Sustainable Development of Rural Areas and their Societies.
3. By nearly a hundred Ph D. of different Caribbean and Latin-American Countries, specialized in several areas of Agriculture and Local Development, that are part of our scientific staff database and IBEROCONS technological partners, belonging to the scientific Networks of CYTED, during the past 10 years.

Expertise offered (related to the topic)

Main Capabilities of the Company:

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- Academic training in advanced agriculture for post-graduate and professionals,
- Consulting on rural development, or on technological proposals to foster the growth of agricultural sector,
- Turn key projects (greenhouse structures, irrigation and fertigation, solar energy plants, design of plastic plant for producing irrigation systems, electronic bidding systems for producing markets, etc),
- Strategic Planning Programs for companies, public institutions and NGOs,
- Development of specific technologies for the creation of commercial platforms on-line, or for fixing prices of products under the Stock Market Transactions Model.

The company has a clear focus on the Latin-American market and counts with an important knowledge over the Rural World and Agribusiness, of nearly all the countries of Latin-America, having developed Business plans for different Governments and International institutions.

Previous FP experience

IBEROCONS has signed agreements with Universities, Research Centers and companies in Latin-America Countries:

COLOMBIA:

- CORPOICA (Colombian Corporation for Agricultural Development) to foster the development of research and training projects in order to transfer the knowledge to rural world
- EDEPROA (Economic Development of Orient "Antioqueño") to provide technical assistance for research projects and training programs to handle the new technologies.
- PQA S.A. and COSMOAGRO S.A., as shareholders in research projects towards the technological development of experimental stations and the research on new materials and products for the protection of crops in warm inter-tropical areas.

Main agreements with the Universidad de Almería:

- Universidad Nacional de Colombia in orde to develop joint programs with the support of Agencia Española de Cooperación Internacional y al desarrollo (AECID)
- SENA (National Service for Learning) in order to create a National Agricultural School.

ECUADOR:

- Regional Government of Santa Elena for the technical assistance for planning Development Policies, Business Plan, Specific Technologies, Market Studies and Training Programs

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- Universidad de Guayaquil (UG) for selling technology and the technical assistance needed for building experimental stations in protected crops and Agriplasticulture.
- Universidad Estatal Península de Santa Elena (UEPS) as a technological partner to confront the challenges of the agricultural sector and its future development
- ELITE AGRO Foundation to develop consultancy in orienting and fostering training activities, for Publishing Studies, to create debate forums, as well as the construction of International Projects. All these functions will be based in the Agribusiness and Rural Development, Market and Environmental Sustainability in order to develop a training program for professionals and technicians, to improve the quality of life in those areas.

PANAMÁ:

- INNOVATEC IBEROAMERICA, a Joint Venture with Latin-American companies to offer technological projects and consultancy in knowledge transfer, market studies, supply chain management, quality certifications, and training of staff in innovative agriculture.
- IDIAF (Research Institute on Agricultural Sciences of Panamá), to develop and validate technologies of Agriplasticulture under a controlled environment. It is going to be developed assessment of Studies, projects, and technical assistance to improve the quality of research by the education capacitating of the researchers.

EL SALVADOR:

- Government of El Salvador through the National School of Agriculture “Roberto Quiñones” (ENA) to make an study on the viability of extensive Agriplasticulture and Crops Protection Systems in El Salvador; analyzing the impact of introducing these technologies in their economy, and evaluating costs and potentialities of building a National Reference Center.

PERÚ:

- Agribusiness Consulting & Management Perú (ACM), shareholder of Iberocons. ACM heads the Consulting services in Agribusiness in Perú, preparing companies to be ready in a competitive way in the specific target of the most profitable markets. Capabilities ACM-IB in Perú are (i) offering consultancy and studies in the public and private agricultural sector; in any item related to Agribusiness (management, training, market information, marketing, finance, value assessment, technology, R+D); (ii) Creation of management teams to help the company’s teams in operating specific areas of the organization as well as Project Management; (iii) Identifying and developing different Business in Agricultural area with potential growth. In the last 13 years they have managed around 250 projects related to companies and organizations of the agricultural sector. Nowadays

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ACM is the technical assistance for the FIDAF (Investment Fund in Agriculture and Forestry). Since 2005 has an agreement with IBEROCONS that started with the validation of a methodology to evaluate the impact (ex post) of the efficacy of research methods in the information of training funded by FDSE (Strategic Development Funds) and for the FTA (Agricultural Technological Funds) from INCAGRO Project.

- Contract with the company STRATOS DEL PERU S.A.C. to develop a strategic plan to judge the viability of the usage of sea water in the productive process of Ingenio Estrella del Norte in the city of Chepén, La Libertad.
- Contract with Universidad del Pacífico to promote the education of professors, students, technicians and professionals from Perú, answering to the local needs, based in the know-how and the historical background of the professors and researchers linked to IBEROCONS. Mutual assistance to develop both institutional missions.

REPÚBLICA DOMINICANA:

- Universidad Autónoma Santo Domingo (UASD) for the scientific and technical orientation and Management in the experimental station created by the IBEROEKA Project 03/304 (TROPICPROT).
- Universidad ISA ("Instituto Superior de Agronomía") to develop a technical assistance in scientific research and technological development for education and fostering the debate forums.
- Strategic Alliance to consult in AGROTEMAS; oriented to develop a technology to Project crops in warm inter-tropical areas, the development and experimentation of a "cold plastic" or non-thermal for covering the agricultural structures.
- Shareholder in FRUCASA, where small producers have the chance to export their production to Europe, helping them innovate and marketing their products through the Spanish company Hortofrutícola Verdimer, S.L., a strategic shareholder of Iberocons.

MEXICO:

- Tech Institute of Cosamaloapan, Alvarado, Tierra Blanca y San Andrés Tuxtla, and Veracruz, to develop agricultural Technologies that can be adapted to the specific needs of the Gulf of México, to look for the profitability and economic-environmental sustainability of small producers in their territory.
- Universidad Tecnológica Gutiérrez Zamora, to implement an experimental station for research in Agriplasticulture, Fertirrigation and taining of middle level managers of companies related to the previous fields.

- Institute TEPCO (Tecnología Productiva y Comercialización, S.A. de C.V.) for developing technologies that can improve the soil, market studies, and general marketing for products.

SISTEMA GENERAL AGROPECUARIO DE AMÉRICA:

- IICA (Instituto Interamericano de Cooperación para la agricultura), for mutual cooperation in the design and construction of projects for the sustainability of the rural World and for the education in Agroilasticulture and advanced agriculture.
- CIDAPA (Ibero-American Committee for developing Plastics in Agriculture), in order to assist and cooperate in the development of new materials and the experimental knowledge of the Management of crops in Latin-America.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

Address: C/ Max Planck, 3. Edificio Iris 1

Postcode: 41092

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Country: Spain

Contact person: Cristina Cabeza Fernández

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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES089)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects where FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

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The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD)):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE); <http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

E-mail: cpenia@gencat.cat

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Partnership Profile



GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE

Other organization(consulting,association,...)

*PROFILE from España
(15ES091)*

TOPIC OF INTEREST

TOPIC

SFS-5-2015: Strategies for crop productivity, stability and quality

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

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Expertise offered (related to the topic)

Our territory has a large agricultural and tradition along with good environmental conditions (mild climate, diverse terrain, fertile soil, and water availability), we have a wide variety of high quality products.

For years bet heavily on maintaining and improving our genetic resources (biodiversity) through the promotion of the use of a larger number of crop varieties better adapted to the territory and more productive.

In the study of strategies for crop productivity, stability and quality, we can offer our high expertise in organic production, strategy know-how management of new, more efficient crops, qualified farmers, orchards experimental seed collection local varieties, knowledge in short marketing circuits, training farmers and consumers.

We look forward to share experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable agriculture.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme. National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

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Country: Spain

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Partnership Profile



CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL

Technological Centre

*PROFILE from SPAIN
(15ES092)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the process of sustainable olive growing. Specific expertise in the topic is based in the following background and technological tools:

a. Economic studies of farming management

b. Agronomic management techniques for olive orchards

c. Varietal studies in olive trees

d. Communication, dissemination and transfer of research results

e. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement n°: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement n°: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

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FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain. Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES093)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusinesses. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

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We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We perform the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS/MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation and packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD has led numerous projects to develop new strategies for improving crop productivity. In our experimental fields we have introduced new crops for the farmer from Andalusia region (e.g. *Stevia rebaudiana*).

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Moreover, our experimental field are located in different soil and climatic condition areas and we work on with vegetables and fruits.

Taking into account the concept "multi-actor approach", IDEALFOOD can provide stakeholders interested in this topic, including SMEs and other companies IDEALFOOD can carry out in-field demonstration activities of the technologies and products developed. Moreover we could focus on:

- Improving in-situ/on farm management and evaluation of genetic resources by the farming sector.
- Promotion of traditional and/or underutilised crops
- Boarder adaption of livestock and cultivated plants to limiting or changing agro-climatic conditions.
- Enhancing methodologies for management, conservation, characterisation and evaluation of genetic resources.
- Engagement of end-users.

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK362)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agriculture and food sectors. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy on a commercial basis related to the development of new technologies. In our work we pay special attention to small and medium-sized companies, but we cooperate with companies of any size and any nationality.

Sustainable production of open field vegetables is one of our core fields of expertise in AgroTech.

Expertise offered (related to the topic)

We work with plant genetic resources (new, old and wild cultivars/landraces). We have expertise in production of food, including issues of yield, quality, diseases and storage.

We can optimize the method of cultivation and work with strategies and technologies to reduce food waste in potatoes and vegetables.

Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK094)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GENOSKAN A/S

SME

*PROFILE from Denmark
(15DK095)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

GenoScan A/S possesses state of the art technology in Next Generation Sequencing as well as robotics to handle thousands of samples and analyse both sequence and genotype data. GenoScan A/S is the leading provider of genetic testing for domestic animals in Scandinavia. Receiving thousands of samples per month, GenoScan A/S has established the necessary logistics and informatics for handling both samples and data from very large projects.

Expertise offered (related to the topic)

Experience with genomic selection in domestic animals, genotyping by sequencing of various species.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

Partnership Profile



WADI ATTIR ORGANIZATION

SME

*PROFILE from Israel
(15IL380)*

TOPIC OF INTEREST

TOPIC

SFS-2-2014/2015: Sustainable crop production

ORGANIZATION EXPERTISE

ENTITY PROFILE

Project Wadi Attir is developing a demonstration site for sustainable production of organic livestock products, under rehabilitation of degraded dryland soil, control of erosion and desertification by agroforestry, integrated waste recovery and reuse using organic farming technologies. Soil and productivity improvements are being recorded, together with biodiversity, and sustainability parameters such as GHG and nutrient balances, socioeconomic factors etc are being monitored and recorded for dissemination.

Expertise offered (related to the topic)

Soil analysis in drylands, restoration of desertified soils, erosion control by agroforestry, biodiversity assessment, GHG balance, water and nutrient balance, soil hydrology, sustainable livestock management, socioeconomic impact of development, livestock management and manufacturing of organic milk products, oil and fruit in drylands, waste recovery and recycling.

Previous FP experience

Dr Stefan Leu has participated in and coordinated several FP7 projects in agriculture and microalgal biotechnology

Role in the project

Training; Tech. Development; Demonstration

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

Contact person: Uri Fishelson

Telephone: 972-3-5118171

E-mail: uri@iserd.org.il

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
DIFFERENTIATED & BIOFUNCTIONAL FOODS**

R&D Institution

*PROFILE from Denmark
(15DK096)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research fields:

Development of high quality milk with improved taste and stability

Control of milk composition by feed and breed

Variation in milk fatty acid composition

Expertise offered (related to the topic)

Research activities within the fields mentioned above.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Interveg - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
PLANT, FOOD & SUSTAINABILITY**

R&D Institution

*PROFILE from Denmark
(15DK097)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research areas: Studies the relationship between root growth and nitrogen uptake. Works in horticultural systems under organic or conventional management. Here winter catch crops (cover crops) and the design of crop rotations play a major role to decrease leaching of nitrate and thereby increase the nitrogen use efficiency of the system. Her research is focused on the relationship between root growth and N uptake in deep soil layers. Some crops and catch crops extend roots to 1-2.5 m depth below soil surface. These deep roots may take up nitrogen at depth and can be used to reduce the leaching of nitrate from the deep soil layers to the groundwater. The work includes subjects such as root and crop physiology in relation to nitrogen uptake. The approach is laboratory and field experiments including the use of stable isotope ¹⁵N techniques for the study of N cycling, and of minirhizotrons for measurements of plant root growth. The crops in study have been deep rooted crops like white, Chinese and curly cabbage, carrot, beetroot, squash, as well as shallow rooted crops like rucola, sweet corn, potato, celeriac and leek. The catch crops and green manures include deep rooted like fodder radish, winter rye and salad burnet as well as shallow rooted like ryegrass and birdsfoot trefoil.

In addition her studies the relationships between conditions during the growth phase and the quality of horticultural products; like harvest quality, sensoric properties and the content of substances of importance for human health. The focus is on the importance of the genetic material, the availability

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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of soil nutrients and suboptimal growth conditions for the quality of vegetables, e.g. the content of glucosinolates in cabbages, and the effect of UV-light exposure on the formation of vitamin D2 in mushrooms.

Expertise offered (related to the topic)

Importance of genetic resources (local and traditional cultivars) and growth conditions (nitrogen, phosphorous and sulphur fertilisers, irrigation, frost) for sensory and health properties of vegetable products. Cabbages, root vegetables.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy`s Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

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FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

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Postcode: DK-8830

City: Tjele

Country: Denmark

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **DEPARTMENT OF AGRICULTURAL AND FOREST SCIENCES**
R&D Institution
PROFILE from Italy
(15IT098)

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The aim of the research team on "Post-harvest technology and supply chain management" is to improve the sustainability of the fruit and vegetable supply chain by optimizing their quality and shelf life mainly through the use of post harvest technology. The driver of all research's activity is the adoption of innovation in the management of fruit production and process that can be able to fulfill sustainability criteria. Smart integration of multidisciplinary aspect such as physiological, safety, and instrumental and sensory quality measurement concepts is essential to develop the most effective handling procedures and innovative technologies for maintaining quality and shelf stability of fruit products. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Main topics

1. Physiology and post harvest quality
2. Storage management and packaging systems
3. Fresh-cut physiology and storage
4. Edible coating
5. Sustainability in the supply chain

Relevant R&D projects:

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2010-2012 Fruitgest project: quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest step funded by Piedmont Region through EU structural funds, participation as partner's project.

2010-2013 Vivopack: valorisation of Made in Italy agro-food products within the call new technologies for the made in Italy funded by the Italian Ministry of Economic Development, participation as partners' project.

2011-2014 F. & F. Biopack: research and development project on eco-sustainable packaging funded by Piedmont Region through EU structural funds, participation as partner's project.

Expertise offered (related to the topic)

The team performs research on the sustainability of local (at the level of Piedmont Region) varieties products: LCA methodology, sustainability indicators multi-criteria analysis are applied to regional fruit and vegetable production to integrate the traditional production processes with new technological innovations to increase the added value (for the environment but also considering the socio-economic impact) from the production of local varieties.

Previous FP experience

PSR 2007/2013 - Action 214/2 - A: Conservation of Biodiversity (Contract number: 94750773338)

Role in the project

Research; Training; Tech. Development; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN (ASG member) / EEN BRIDGEECONOMIES

Organisation name: Unioncamere Piemonte (ASG member)/ Consorzio Arca Palermo

Address: Via Cavour 17 (ASG member) / Viale delle Scienze

Postcode: 10123

City: Torino (ASG member) / Palermo

Country: Italy

Contact person: Daniela Vismara (ASG member) / Anna Sangiorgi

Telephone: 0039 011 5669239 / 0039 091 6615611

Fax: 0039 011 5669238 / 0039 091 6615628

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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E-mail: d.vismara@pie.camcom.it (ASG member) / asangiorgi@consorzioarca.it

Partnership Profile



**GALICIAN INSTITUTE OF AGROBIOLOGICAL RESEARCH.
SPANISH NATIONAL RESEARCH COUNCIL. CSIC**

R&D Institution

*PROFILE from Spain
(15ES099)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our group, namely "Biotechnology of Woody Plants", belongs to the "Galician Institute of Agrobiological Research" (IIAG) of the Spanish National Research Council (CSIC). It is located in Santiago de Compostela (Northwest Spain).

We have large experience in the propagation and germplasm preservation of woody species as well in biochemical, cellular and molecular analysis of their developmental processes. Besides basic approaches studied through national and regional projects, applied biotechnological aspects have also been developed through collaboration with companies.

Related Projects:

- INTEGRACASTANEA: Vertical integration project on chestnut: from breeding to final products. FEDER-INNTERCONECTA 2013-2014.
- Characterization of chestnut genes involved in morphogenetic processes related to clonal propagation of selected trees. 10 MRU400033PR. 2010-2013.
- Large-scale biotechnological production of improved materials for chestnut breeding. 09MRU016E. 2009-2012.
- Biotechnology applied to forestry production. Somatic embryogenesis in mature materials of chestnut, oak and beech. Genetic transformation. 9MRU002400PR. 2009-2012.

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- Functional analysis of GRAS genes during adventitious rooting of forestry species. AGL2008-05105-C02-02. 2009-2011.
- Development of liquid culture systems for genetic transformation of embryogenic lines of *Quercus robur*. CSIC. PIE 200940I011. 2010.
- In vitro propagation of *Croton lechleri* Muell-Arg for sustainable management in Ecuador. A/013564/07. 2008-2009.
- Non-hormonal Compounds and Signalling Pathways for the Improvement of Adventitious Rooting in Forest Species. Integrated Action Italy-Spain. 2008-2009.
- Somatic embryogenesis in mature oak; basic aspects regarding its induction. Genetic transformation. AGL2006-01387. 2006-2009.
- Biotechnology applied to forestry production. Genetic transformation of chestnut, poplar and birch. AGL2005-00709. 2005-2008.
- Propagation and germplasm preservation of oak selected genotypes by somatic embryogenesis and cryopreservation. PGIDT03RF040001PR. 2003-2006.

Expertise offered (related to the topic)

1) Ex situ germplasm preservation of fruit and forest trees:

1.1) In vitro culture of adult material of selected genotypes by axillary shoot formation and somatic embryogenesis.

1.2) Medium-term storage by slow growth techniques.

1.3) Long-term storage by establishment of cryopreserved gene banks of selected genotypes.

2) Large-scale production of selected trees by micropropagation: establishment, proliferation in semisolid and liquid medium (bioreactors), rooting and acclimation.

3) Identification of valuable germplasm of local varieties of fruit trees from Northwest Spain: phenotypic and genotypic characterization and evaluation of sanitary status.

4) Genetic expression in woody plants: genes related to plant development and defence mechanisms.

Previous FP experience

Proposal participation:

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- Comparative and functional forest genomics for abiotic stress, adaptation and productivity.
Collaborative Research Program Spain-Canada 2004

Actions COST:

Action 822: Development of integrated systems for large-scale propagation of elite plants using in vitro techniques. 1994-1999

Action G4: Multidisciplinary Chestnut Research. 1997-2001

Action 843: Quality Enhancement of Plant Production through Tissue Culture. 1999-2004

Action E-28: GENOSILVA: European Forest Genomics Network. 2002-2006

Action COST FP0905: Biosafety of Forest Transgenic Trees: Improving the Scientific Basis for Safe Tree Development and Implementation of EU Policy Directives. 2010-2014

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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E-mail: galactea@cisgalicia.org

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **GROUP OF GENOMIC MEDICINE. UNIVERSITY OF SANTIAGO DE COMPOSTELA**

R&D Institution

*PROFILE from Spain
(15ES100)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Group of Genomic Medicine at the University of Santiago de Compostela (<http://www.xenomica.org/>), it's a joint venture of researchers from the Population and Forensic Genetic group of the USC and researchers of the Galician Foundation of Genomic Medicine. This is a support organization of the health service of Galicia (SERGAS) offering a clinical genetics service (both molecular and cytogenetic analysis) to all hospitals in the SERGAS network comprising 3.5 million inhabitants. FPGMX is one of the foremost clinical genetics support organizations in Spain, offering one of the highest volumes of throughput and one of the most extensive arrays of molecular diagnostic tests for inherited diseases. Major lines of investigation from 2000 to date comprise genetics of complex disease, genetics of breast and CRC, pharmacogenetics, populaton and evolutionary genetics.

Integrated within the group is the Santiago node of the National Genotyping Centre. The aim of the centre is to offer high-throughput SNP analysis and to facilitate the statistical analysis and bio-informatic tools for SNP selection in association and linkage studies and for post-genotype analysis. The Center has different high-throughput genotyping platforms: Affymetrix, Illumina, Sequenom MALDI-TOF MS and AB SNPLEX oligo ligation assay.

Expertise offered (related to the topic)

Genotyping platforms, platform leaders and technicians that provide the methods and strategies for molecular diagnosis of genetic diseases and genotyping methods, make the mass analysis of SNPs

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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for association studies, sequence and ultrasequence for genetic diagnosis and research and quantify gene expression by RT-PCR. Since their beginnings in 2003, CEGEN has supported more than 3000 researches and has provided service to almost 2000 R&D projects from almost all of the most important spanish centers where human research is being carried out.

Previous FP experience

Denominación del proyecto: ELIX: The Human Early-Life Exposome – novel tools for integrating early-life environmental exposures and child health across Europe

Referencia: FP7-308333

Entidad Financiadora: European Commission

Duración: 2013-2017

Denominación del proyecto: EUROFORGEN-NoE

Referencia: FP7- FP7-285487

Número de investigadores/as: 28

Entidad/es financiadora/s:European Commission

Fecha de inicio: 2011

Fecha fin: 2016

Denominación del proyecto: Sharing capacity across Europe in high-throughput sequencing technology to explore genetic variation in health and disease (GEUVADIS) Referencia: FP7-261123

Número de investigadores/as: 28

Entidad/es financiadora/s:European Commission

Fecha de inicio: 01/10/2010

Fecha fin: 30/09/2013

Denominación del proyecto: Genetic study of common hereditary bowel cancers in Hispania and the Americas (CHIBCHA) Referencia: FP7-223678

Entidad/es financiadora/s:European Commission

Fecha de inicio: 18/09/2009

Fecha fin: 2012

Denominación del proyecto: European Network of National Schizophrenia Networks Studying.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Gene-Environment Interactions (EU-GEI). Large Scale Integrating project Referencia: FP7-234560

Entidad/es financiadora/s: European Commission

Fecha de inicio: 01/07/2009

Fecha fin: 2012

Denominación del proyecto: High throughput analysis of single nucleotide polymorphisms (SNPs) for the forensic identification of persons (SNPforID) Referencia: G6RD-CT-2002-00844

Fecha de inicio: 01/12/2002

Fecha fin: 30/11/2005

Role in the project

Research; Training; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE101)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Insitute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and development projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

Special interest in eliminating and/or masking of boar taint.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects. The institute is currently working on a project on processing properties of boar meat.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

Postcode: 45470

City: Mülheim/Ruhr

Country: Germany

Contact person: Agnieszka Kaminska

Telephone: 0049 (0) 208 30004 51

Fax: 0049 (0) 208 30004 29

E-mail: ak@zenit.de

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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT102)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our work has been focused on plants, traditional knowledge, agroecosystems and new trends in rural development.

Namely on flora diversity, traditional plant use, management and conservation. Interdisciplinary study of plants and human cultures, including past and present relationships between people and environment. Management and conservation of plant genetic resources. Medicinal plants, wild edibles, local food and medicine, nutraceuticals and mediterranean food. Safeguarding of intangible cultural heritage, valorization of underutilized and underexploited plants and crops and impacts in rural development.

Ana Maria Carvalho, as an agronomist and ethnobiologist, has scientific interests based on agroecology, sustainable agriculture and biodiversity, such as researching on the basic ecological principles of how to understand and manage agro ecosystems that are both productive and natural

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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resource conserving as well as culturally and socially sensitive. Regarding plant species and diversity, conservation and rural development, she set out the ethnobiological approaches and methods that may guide to a comprehension of people plant use and management. Availability, biodiversity and conservation of plant genetic resources (PGR), specially MAP and wild edibles, have been also an issue of her scientific research, as well as the relations between traditional ecological knowledge, plant-use and plant bioactivity, chemical characterization, nutritional and nutraceutical composition.

Example projects:

- The Lusophone Initiative on Plant Genetic Resources - Cooperation between Portugal and the Lusophone countries of Africa. Estação agronómica Nacional, FAO e IPGRI.

Example publications:

CARVALHO, Ana Maria (2011). Brûlis, fumées et cendres : les plantes, le feu et les savoirs ethnobotaniques au nord-est du Portugal. In Lieutaghi, P. & Musset, D., Les plantes et le feu. Paris: C'est-à-dire Éditions, pp.127-137. ISBN : 9782918235040

CARVALHO, Ana Maria (2010). Racines anciennes et nouvelles pousses des plantes des femmes en Trás-os-Montes, Portugal. In Lieutaghi, P. & Musset, D., Les plantes des femmes. Paris: C'est-à-dire Éditions, pp.91-107. ISBN: 978-2918235019

CARVALHO, Ana Maria & Morales, R. (2010). 'Persistence of Wild Food and Wild Medicinal Plant Knowledge in a North-Eastern Region of Portugal'. In M. Pardo de Santayana, A. Pieroni, & R. Puri (eds.), Ethnobotany in the New Europe: People, Health and Wild Plant Resources. Oxford, UK: Berghahn Books, pp. 147-171. ISBN:978-1-84545-456-2

CARVALHO, Ana Maria & Frazão-Moreira, A. (2011). Importance of local knowledge in plant resources management and conservation in two protected areas from Trás-os-Montes, Portugal. Journal of Ethnobiology and Ethnomedicine, 7:36

Pinela, J., Barros, L., CARVALHO, Ana Maria & Ferreira, ICFR. (2011). Influence of the drying method in the antioxidant potential and chemical composition of four shrubby flowering plants from the tribe Genisteae (Fabaceae). Food and Chemical Toxicology, 49 (11):2983-2989

Barros, L., CARVALHO, Ana Maria & Ferreira, ICFR. (2011). From famine plants to tasty and fragrant spices: Three Lamiaceae of general dietary relevance in traditional cuisine of Trás-os-Montes (Portugal). LWT - Food Science and Technology, Volume 44, Issue 2:543-548, doi:10.1016/j.lwt.2010.07.008

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Barros, L., Heleno, S., CARVALHO, Ana Maria & Ferreira, ICFR. (2010). Lamiaceae often used in Portuguese folk medicine as a source of powerful antioxidants: Vitamins and phenolics.' LWT - Food Science and Technology, 43: 544–550, doi.org/10.1016/j.lwt.2009.09.024

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)

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- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

Address: Rua de Sagres, 11

Postcode: 4150-649

City: Porto

Country: Portugal

Contact person: Bibiana Neves Dantas

Telephone: 00 351 22 616 7820

E-mail: eenetwork@adi.pt

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Partnership Profile



RESEARCH GROUP: "AGRIFOOD GENETIC IMPROVEMENT" (AGR254). CENTRO IFAPA LA MOJONERA

R&D Institution

*PROFILE from Spain
(15ES103)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS.

Expertise offered (related to the topic)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The AGR254 Group offers to the topic SFS-5-2015 expertise in:

- High throughput biological and molecular techniques for selection of materials of interest for food quality, resistance or fruit production: Tilling, gene selection, tests of biotic resistance...
- Quantification of compounds of nutritional value in fresh vegetables: antioxidants, sugars... Application to cultivar selection
- Gene linkage to function via genetic mapping and quantitative PCR
- Generation of new genetic variability via chemical induction and application to plant breeding

Previous FP experience

The AGR254 Group has previous experience with the followings Projects International and Nationals:

Name: Nematode Susceptibility Targets for a durable Resistance, NESTOR

Program: Plant-KBBE. Acciones de Programación Conjunta Internacional

Dates: 4/2014 to 3/2017

Name: Competitive development of new cultivars of summer squash and increase of the genomic platform for the breeding of this species

Program: INIA

Dates: 11/2011 to 10/2014

Name: ESP-SOL. Identification of genes and molecules associated to tomato fruit quality and participation in the sequencing of euchromatic regions of Chromosome 9. A genomics approach

Program: Fundación Genoma España

Dates: 06/2004 to 05/2007

Name: Increase of the added value of summer squash cultivars with characters of fruit quality

Program: Zetaseeds company

Dates: 07/2009 to 06/2012

PUBLICATIONS:

Authors: N. Vicente-Dólera , V. Pinillos , M. Moya , M. Del Río-Celestino , T. Pomares-Viciano , B. Román , P. Gómez

Title: An improved method to obtain novel mutants in Cucurbita pepo by pollen viability

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Journal: Scientia Horticulturae 169 (2014) 14–19

Authors: N. Vicente-Dólera, C. Troadec, M. Moya, M. del Río-Celestino, T. Pomares-Viciano, A. Bendahmane, B. Picó, B. Román and P. Gómez

Title: First TILLING platform in Cucurbita pepo: a new mutant resource for gene function and crop improvement

Journal: PLOS-One, Mai 2014 (In Press)

Authors: Obrero A, González-Verdejo CI, Die JV, Gómez P, Del Río-Celestino M, Román B.

Title: Carotenogenic gene expression and carotenoid accumulation in three varieties of Cucurbita pepo during fruit development.

Journal: J Agric Food Chem. 61, pp. 6393 - 6403. 01/07/2013.

Authors: Cristina Esteras, Pedro Gómez, Antonio J Monforte, José Blanca, Nelly Vicente-Dólera, Cristina Roig, Fernando Nuez, Belén Picó.

Title: High-throughput SNP genotyping in Cucurbita pepo for map construction and quantitative trait loci mapping.

Journal: BMC Genomics. 13:80., pp. 0 - 0. 01/02/2012.

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Address: C/Max Planck 3, Edificio Iris 1

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "ANIMAL NUTRITION" (AGR102).**
ESTACIÓN EXPERIMENTAL DEL ZAIDÍN

R&D Institution

PROFILE from Spain
(15ES104)

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research group (4 scientist) expert on nutrition and metabolism of native livestock species (pigs). The group has led about 15 national and regional research projects on this topic during the last years.

Expertise offered (related to the topic)

The group has expertise in defining strategies (nutritional or management) to improve productivity of native monogastric species (pigs). We can study aspects varying from performance, growth, carcass and organs development, heat production, nutrient/catabolite emission, nutrient retention from whole-body or tissue level. We can interact with groups covering genetic and meat quality aspects.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

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City: Sevilla

Country: Spain

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Telephone: +34 955007482

E-mail: laura.valle@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "CROP IMPROVEMENT AND BIOTECHNOLOGY" (AGR237). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES105)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliciculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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Our group AGR237 has expertise in traditional and marker assisted breeding of different legume crops. The group has pioneered the development of all faba bean genetic maps available so far that include genes/ QTLs controlling resistance to crop pathogens, yield components and nutritional aspects. We have just constructed the reference consensus map for this crop, a genomic tool useful for tagging genes of interest and develop marker assisted selection (MAS) approaches. Relevant contributions have been developed as well in chickpea. The group has participated in the genome sequence of the crop and in the development of maps identifying markers tagging genes controlling disease resistance, quality and other important agronomic traits.

In faba bean all the segregating populations (RILs) required are available as well as all of the genetic maps published so far in the species. Genes/QTLs controlling resistance to broomrape (*Orobanche crenata*) ascochyta (*Ascochyta fabae*) and rust (*Uromyces viciae-fabae*) have been already identified and some of them validated in different environment and genetic backgrounds.

In chickpea, the group has long experience in classical breeding programs, development of genetic map and use of molecular markers in breeding selection. We have developed plant material valuable for research studies as Recombinant Inbred Lines (RILs) and Near Isogenic Lines (NILs).

Several of the available population might segregate for resistance to abiotic stresses as well. Our group has collaborated with international legume research groups in the European projects EUFABA, GLIP, ASCORAB and LEGATO

The AGR237 Group offers to the topic SFS-7-2014/2015 wide expertise in:

- Protocols and experience for DNA and RNA extraction of different herbaceous and woody species.
- Protocols for PCR, agarose and acrylamide gel electrophoresis, fragment analysis.
- Application of different types of markers (RAPDs, AFLPs, SSRs, CAPs, dCAPs, SNPs, ESTs, etc..) and development of efficient conditions for their amplification.
- Mapping and QTL detection.
- Cloning and sequencing of amplified products.
- Gene expression studies by real-time PCR.

Previous FP experience

The AGR237 Group has previous experience with the followings Projects International:

- EUFABA-QLK5-CT-2002-02307;
- GLIP: Grain Legumes-FP6-2002-FOOD-1-506223;

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- LEGRESIST: ERA-PG-GEN2006-27798-C6-5-E/VEG;
- LEGATO[KBBE.2013.1.2-02]:LEGumes for the Agriculture of TOmorrow ", Grant agreement no: 613551)

Role in the project

Research; Training; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "FISIOLOGÍA, BIOQUÍMICA Y TECNOLOGÍA DE ALIMENTOS VEGETALES" (AGR154)

R&D Institution

*PROFILE from Spain
(15ES106)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Analytical, biochemical, and molecular research on fruits to progress in the knowledge of the processes determining the organoleptic and nutritional quality of fresh and processed fruits.

RESEARCH PROJECTS (LAST 12 YEARS)

- International, 3 such as:
 - Novas tecnologias pos-colheita para a qualidade e a segurança alimentar em citrinos
 - Modulation of aroma biosynthesis during grape ripening and drying for dessert wine
- National, 9 such as:
 - Generation of genomic tools in olive and application to the analysis of fruit and oil quality and agronomical traits
 - Biochemical and molecular aspects related to the metabolism of polyunsaturated fatty acids and phenolics

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 <i>Business Support on Your Doorstep</i> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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- Identification of biochemical and molecular determinants responsible for the virgin olive oil quality features
- Regional, 4 such as:
 - Genomic, molecular, and biochemical approaches for the improvement of virgin olive oil quality
 - Optimisation of postharvest technology for raspberry produced in Huelva province
- Private companies: 8 (virgin olive oil, fresh and processed strawberry)

Expertise offered (related to the topic)

The aim of the research group of Biochemistry and Technology of Plant Foods of the Instituto de la Grasa (CSIC) is the characterization of the biosynthetic pathways of the components that determine the organoleptic and nutritional quality of plant foods, the assessment of changes going on during processing and conservation, and the development of technologies to improve the quality of the food. The main applications are related to:

- Modulation of processing conditions for improving virgin olive oil quality.
- Production of enzymes to enhance the organoleptic and nutritional quality of virgin olive oil.
- Use of bioactive compounds to improve the quality of plant foods.
- Identification of biochemical and molecular determinants related to the quality characteristics of plant foods.
- Assistance in breeding programs. Selection of new cultivars with higher nutritional and organoleptic quality adapted to the growing area.

Previous FP experience

Participation in EU projects:

- Assessment of olfactory characteristics of olive oil by electronic sensing systems" (FA98-9540), FP5
- Development of biocontrol agents for commercial application against post-harvest diseases of perishable foods (QLK5-CT-1999-01065), FP5
- Novas tecnologias pos-colheita para a qualidade e a segurança alimentar em citrinos (Interreg IIIA Program), FP6

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Role in the project

Research; Tech. Developmen

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



RESEARCH GROUP: "OLIVE GROWING AND OIL TECHNOLOGY" (AGR240). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES107)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

The AGR240 Group offers to the topic SFS-7-2014/2015 wide expertise in:

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- Olive breeding for high productivity,
- Resistance to Verticillium wilt,
- Adaptation to different growing systems (including hedgerow orchards), oil quality and rootstocks.
- Olive cultivar comparative trials.
- Molecular markers for cultivar identification and linkage mapping.
- NIRS for evaluating fruit and oil traits in olive breeding.

Previous FP experience

The AGR240 Group has previous experience with the followings Projects International and Nationals:

- Control force in olive plantations in hedgerow (Control del vigor en plantaciones de olivar en seto) RTA2008-00033-C02-00.
- Prospecting, study of genetic variability and ex-situ conservation of wild olive genetic resources (Prospección, estudio de variabilidad genética y conservación ex-situ de recursos fitogenéticos silvestres de olivo) RF2009-00005-00-00.
- Improving the quality of virgin olive oil: influence of pollination and development of molecular markers (Mejora de la calidad del aceite de oliva virgen: influencia de la polinización y desarrollo de marcadores moleculares) AGR-4516.
- Improvement of resistance to verticilosis olive tree (Mejora de olivo para resistencia a verticilosis) RTA2010-00036-C02-00.
- Integrated control of Verticilosis in olive with sustainable and environmentally friendly strategies (Control integrado de la Verticilosis del olivo con estrategias sostenibles y respetuosas con el medioambiente). PP.PEI.PEI2011.1.
- Contribution of olive history for the management of soil-borne parasites in the mediterranean basin (PESTOLIVE)
- Detection and applicability of SNPs markers for diversity studies in olive tree varieties and its genetic mapping (Detección y aplicabilidad de marcadores SNPs para estudios de diversidad en variedades de olivo y su mapeo genético) UJA2011/13/13.
- Force Control of olive grove in hedgerow through genetic improvement (Control del vigor en olivar en seto por mejora genética) RTA2012-00018-C02-00
- Transform Project Olive grove and Oil (Proyecto Transforma Olivar y Aceite) PP.TRA.TRA201300.5

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- Quality assessment of virgin olive oil in olive grove genetic breeding programs (Evaluación de la calidad del aceite de oliva virgen en programas de mejora genética de olivo) AGR-7301

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH TEAM : "CHARACTERIZATION AND CONSERVATION OF DOMESTIC ANIMAL GENETICS RESOURCES FOR RURAL DEVELOPMENT" (AGR 134).
UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES108)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Research Group 'Characterization and Preservation of Genetic Resources of Domestic Animals for Rural Development' (AGR-134) was founded in 1991 as a part of the 'Andalusian Research Plan' promoted by the Andalusian Regional Government.

The research team is composed of subject matter experts and veterinaries from several public institutions and private enterprises, such as:

- The University of Córdoba.
- FEAGAS (Federation of Farmers' Unions)
- The Loyola University.
- Fish and Agriculture Council from Andalusian and other Regional Governments.
- IDTACA, Ltd.

The research studies within the sphere of the characterization and preservation of genetic resources have led to successfully achieve the following goals:

- Identification and cataloguing in a number of both Spanish and Latin-American autochthonous races utilized in extensive production systems.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Inventory of autochthonous livestock patrimony.
- Plans for the improvement and preservation of autochthonous races.
- Support to farmers in the implementation of the aforementioned plans.
- Proposals and strategies aimed to improve the profitability of resources, their commercialization and possible alternative uses.

Some innovative methodologies set in place by the group are:

- Optimization of Phenotypic Characterization methods in the broader sense, including animals, environment and production systems.
- Genetic Variability Analysis using molecular markers.
- Phylogenetic studies.
- Identification of genetic markers of special interest for production or adaptation processes.
- Ethological studies of autochthonous races and their interaction with the environment, considering individual behavioural patterns.
- Social-Economic Analysis of livestock resources and DAnGR (Domestic animals Genetic Resources) optimization.
- Characterization of the quality of final products (meat, milk, wool, etc).

Relevant R&D projects:

We have taken part in several projects support by FEDER grants(National Plan of I+D+i). Program and Strategic Action from INIA: Conservation of Genetic Resources of Food-processing Interest

“Caracterización y evaluación de las razas bovinas Berrendas. Diseño y gestión de los planes de conservación” (RZ00-00-017).

“Identificación del estado de conservación y planes de recuperación de las razas bovinas andaluzas en peligro de extinción” (RZ04-00-013).

“Caracterización Socioeconómica, productiva y genética de la raza Bovina Pajuna. Bases para el desarrollo de estrategias para su preservación, conservación y desarrollo sostenible” (RZ-02-007)
PROGRAMA PILOTO INTEGRAL DE LA CALIDAD DE VACUNO EXTENSIVO DEL LITORAL DE LA JANDA.
Presupuesto de ejecución: 100.000 euros. Asociación de Desarrollo Rural del Litoral de la Janda..
Vejer de la Frontera Cádiz

"Caracterización y evaluación de razas caprinas autóctonas españolas de orientación cárnica:" (RZ01-010-C3-1)

"Geografía del caprino español en riesgo de extinción. Caracterización de razas, agrupaciones y ecotipos" (RZ2004-00010-00-00.

"Caracterización Fenotípica De La Agrupación Caprina De Las Mesetas" (RZ2008-00021-00-00)

"Estudio de la repercusión del bienestar animal en el sistema de producción del ganado caprino de carne en las razas Blanca Celtibérica, Negra Serrana-Castiza y Blanca Andaluza. Análisis económico y de la calidad del producto". (RZ2004-00010-00-00)

"Evaluación de la calidad higiénico-sanitaria y tecnológica de la leche de raza Manchega como instrumento para la mejora de la viabilidad socio-económica y ambiental de los sistemas productivos de ovino lechero" (RZ2008-00021-00-00) We have taken part in several cooperation projects (PCI- AECID) in North Morocco about DANGR Conservation and Rural Development:

The research group has collaborated in the characterization of races of ruminants of Latin America (Araucanian sheep from Chile, Creole goat from Puebla and Chiapas(Mexico), Casanare Creole cattle from Colombia, etc...:

"Estudio Integral del Sistema Agropecuario de Santiago el Pinar, Chiapas (código 06/IES/SNV/026/08)". Universty of Chiapas (SIINV-UNACH 2008)
PROYECTOS DE LA AECID : " ENCUENTRO PARA LA COOPERACIÓN CONJUNTA EN EL MEJORAMIENTO DE LOS SISTEMAS DE PRODUCCIÓN PECUARIA PROMOVIDOS POR MUJERES EN EL ÁMBITO DEL DESARROLLO RURAL" en la región de Chiapas (México) "PRODUCCIÓN GANADERA SOSTENIBLE EN CONDICIONES TROPICALES Instituto de Investigaciones Agropecuarias Jorge Dimitrov y Estación de Investigaciones de pastos y forrajes de la provincia de Granma". Cuba. 1998.
"Marca de Calidad Integral para los productos agrarios del Norte de Marruecos". Agencia Andaluza de Cooperación Internacional. 300.000 euros. 2008.

Research on different areas on Quality of Mental health care.

Expertise offered (related to the topic)

The research studies within the sphere of the characterization and preservation of genetic resources have led to successfully achieve the following goals:

- Identification and cataloguing in a number of both Spanish and Latin-American autochthonous races utilized in extensive production systems.
- Inventory of autochthonous livestock patrimony.
- Plans for the improvement and preservation of autochthonous races.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Support to farmers in the implementation of the aforementioned plans.
- Proposals and strategies aimed to improve the profitability of resources, their commercialization and possible alternative uses.

Previous FP experience

EC-GA N°261459. Research on Financing systems' Effect on the Quality of Mental health care (REFINEMENT).

VII Framework Programme .

2011-2013 INTERREG III-C sud PASTOMECE1.

Object: Knowledge of livestock labours in Mediterranean Region(Greece, Italy, France, Spain and Portugal).

Role in the project

Research; Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



UNIVERSIDAD DE CASTILLA LA MANCHA

R&D Institution

*PROFILE from SPAIN
(15ES109)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015. Genetic resources and agricultural diversity for food security, productivity and resilience.

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Molecular Biology and Plant Physiology research group at University of Castilla La Mancha is focus on the study of plant secondary metabolites from different plant species. The main objective is looking for new sources of nutraceuticals, and phytochemicals with different potentials as medicinal, antioxidant and antimicrobial activities.

Web page: <http://bmfv.uclm.es>

The research group has been involved in several projects. Right now is running two national and one regional research projects:

- Phytochemical characterization of traditional Spanish plants used in folk medicine.
- Omics technologies for the identification of the key players involved in the biosynthesis and regulation of plant apocarotenoids.
- Antimicrobial and antioxidant activities of garlic extracts for their implementation on bioactive polymers.

Expertise offered (related to the topic)

The research group has large expertise in research activities related to plant secondary metabolites, molecular biology, biotechnology, genetics, biochemistry and physiology.

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Web page: <http://bmfv.uclm.es>

Previous FP experience

No previous experience in European Framework Programmes. At the moment only R&D projects at national and regional level.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

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Postcode: 13071

City: CIUDAD REAL

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**UNIVERSITY OF TURIN-DISAFI- TEAM POST-HARVEST
TECHNOLOGY AND SUPPLY CHAIN MANAGEMENT**

R&D Institution

*PROFILE from Italy
(15IT110)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

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City: Torino

Country: Italy

Contact person: Daniela Vismara

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



UNIVERSITY OF COPENHAGEN - DEPARTMENT OF PLANT AND ENVIRONMENTAL SCIENCES

R&D Institution

*PROFILE from Denmark
(15DK384)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience. B. [2015] Management and sustainable use of genetic resources

ORGANIZATION EXPERTISE

ENTITY PROFILE

University of Copenhagen - Department of Plant and Environmental Sciences' research and teaching focus on plants, microorganisms, animals, biotechnology and the environment as basis for sustainable production of the food of the future and other biological products. The Department has established advanced technological platforms for bio-imaging, metabolomics, analytical chemistry and phenomics.

Department of Plant and Environmental Sciences conducts pioneering research that both creates knowledge about basic biological, chemical and physical processes and brings into play academic knowledge in conventional and new innovative biological production systems.

Expertise offered (related to the topic)

Central tenet:

Crop relatives and other wild plants have evolved adaptations to the environment that may solve many of the challenges of modern plant production - and it is now more feasible than ever to prospect and utilise these with modern plant science techniques.

Education and scientific field:

Population ecology, population genetics, evolutionary biology, reproductive biology.

Research qualifications:

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Genetic resources in wild and weedy plant species

Special focus on Brassicaceae

Special focus on herbivore and pathogen resistance

Genotype - environment interactions

Abiotic and biotic stress adaptations

Plant- arthropod-pathogen interactions

Plant reproductive biology

Interspecific hybrids and their role in evolution and as genetic resources

Inbreeding, inbreeding depression, maladaptation due to outcrossing

Conservation and management of plant populations

Previous FP experience

The department has been and is involved in a number of EU projects and been the coordinator of EU projects like eg. the FP7 project SWUP-MED (Sustainable water use securing food production in dry areas of the Mediterranean region) which strategic objective was to improve food production by introducing climate-proof varieties in crop rotations of wheat, grain legumes and new crops (potentially high value food cash crops) in a rainfed system with supplemental deficit irrigation using marginal-quality water and harvested rainwater.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

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Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT394)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research team has focused on assessing genetic diversity patterns of native breeds using the Iberian honey bee, *Apis mellifera iberiensis*, as a model system. We are using cutting edge high throughput DNA technologies, ranging from SNP-arrays to next generation sequencing technologies (sequencing whole genomes of honey bees), to quantify and dissect the complex diversity patterns exhibited by the native breed. We have been especially interested in identifying genomic regions that exhibit strong signals of being under selection to understand the genetic basis of local adaptation. In addition, we have assessed genetic introgression of imported commercial breeds on the native gene pool and compared with the situation in northern Europe. In addition to addressing fundamental evolutionary questions, at a more applied level we are providing information to assist breeding programs using local genetic resources. Our ultimate goal is to contribute to the long term preservation of the native breed (in situ conservation), which will be the basis for developing products with a regional identity.

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Example projects:

2014-2018: COST Action FA1307. SUPER-B: SUstainable Pollination in Europe: joint Research on Bees and other pollinators Managment Committee Member.

2013-2014: "Phytochemical traps for bee health control". Funded by The Portuguese National Science Foundation (FCT). PTDC /C VT-EPI/2473/2012. Researcher.

2010-2013: "Patterns and processes of (neutral and adaptive) variation in the honey bee (*Apis mellifera iberiensis*) hybrid zone of the Iberian Peninsula: a population genetics approach integrating population genomics and landscape genetics". Research project supported by the Portuguese Science Foundation (Fundação para a Ciência e Tecnologia", FCT). PTDC/BIA-BEC/099640/2008. Principal Investigator.

2010-2011: Geographical patterns of genetic diversity in Portugal as told by the mitochondrial DNA. Research project supported by the Portuguese beekeeping program. Principal Investigator.

Examples of recent publications:

Muñoz, I.; Pinto, M.A.; De la Rúa, P. 2014. Effects of queen importation on the genetic diversity of island honeybee populations (*Apis mellifera linneaus* 1758). *Journal of Apicultural Research*: 53 (2): 296-302. DOI 10.3896/IBRA.1.53.2.11.

Muñoz, I.; Cepero, A.; Pinto, M.A.; Martín-Hernández, R.; Higes, M.; De la Rúa, P. 2014. Changes in Nosema incidence associated with honey bee queen introductions. *Infection, Genetics and Evolution*: 23, 161-168. Doi.org/10.1016/j.meegid.2014.02.008.

Pinto, M.A.; Henriques, D.; Chávez-Galarza, J.; Kryger, P.; Garnery, L.; van der Zee, R.; Dahle, B.; Soland-Reckeweg, G.; De la Rúa, P.; Dall' Olio, R.; Carreck, N.L.; Johnston, J.S. 2014. Genetic integrity of the dark honey bee (*Apis mellifera mellifera*) from protected populations: a genome-wide assessment using SNPs and mtDNA sequence data. *Journal of Apicultural Research*: 53(2): 269 - 278. DOI 10.3896/IBRA.1.53.2.08.

Chávez-Galarza, J.; Henriques, D.; Johnston, J.S.; Azevedo, J.C.; Patton, J.C.; Muñoz, I.; De la Rúa, P.; Pinto, M.A. 2013. Signatures of selection in the Iberian honey bee (*Apis mellifera iberiensis*) revealed by a genome scan analysis of single nucleotide polymorphisms (SNPs). *Molecular Ecology*: 22, 5890-5907. DOI: 10.1111/mec.12537.

Evans, J.D.; Schwarz, R.; Chen, Y.P.; Budge, G.; Cornman, R. S.; De la Rúa, P.; Miranda, J.R.; Foret, S.; Foster, L.; Gauthier, L.; Genersch, E.; Gisder, S.; Jarosch, A.; Kucharski, R.; Lopez, D.; Lun, C.M.; Moritz, R.F.A.; Maleszka, R.; Muñoz, I.; Pinto, M.A.; (2013). Standard methods for

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molecular research in *Apis mellifera*. Journal of Apicultural Research 52 (4). DOI 10.3896/IBRA.1.52.4.11

Meixner, M.D.; Pinto, M.A.; Bouga, M.; Kryger, P.; Ivanova, E.; Fuchs, S. 2013. Standard methods for characterizing subspecies and ecotypes of *Apis mellifera*. Journal of Apicultural Research 52 (4). DOI 10.3896/IBRA.1.52.4.05

Pinto, M.A.; Henriques D.; Neto, M.; Guedes, H.; Muñoz, I.; Azevedo, J.C.; De la Rúa, P. 2013. Maternal diversity patterns of Ibero-Atlantic populations reveal further complexity of Iberian honey bees. Apidologie, 44:430–439. DOI:10.1007/s13592-013-0192-y.

Muñoz, I.; Pinto, M.A.; De la Rúa, P. 2013. Temporal changes in mitochondrial diversity highlights contrasting population events in Macaronesian honey bees. Apidologie 44:295–305 DOI: 10.1007/s13592-012-0179-0.

Pinto, M.A.; Muñoz, I.; Chávez-Galarza, J.C.; De la Rúa, P. 2012. The Atlantic side of the Iberian Peninsula: a hot-spot of novel African honey bee maternal diversity. Apidologie 43:663–673. DOI: 10.1007/s13592-012-0141-1.

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)

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- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

Address: Rua de Sagres, 11

Postcode: 4150-649

City: Porto

Country: Portugal

Contact person: Bibiana Neves Dantas

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Telephone: 00 351 22 616 7820

E-mail: eenetwork@adi.pt

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES111)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects were FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.

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- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

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Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

E-mail: cpenya@gencat.cat

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE**

Other organization(consulting,association,...)

*PROFILE from España
(15ES112)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

Expertise offered (related to the topic)

Our territory has a large agricultural tradition along with good environmental conditions (mild climate, diverse terrain, fertile soil and availability of water), we have a wide range of local varieties.

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For years bet heavily on maintaining and improving our genetic resources through the promotion of the use of a greater number of varieties of crops, especially local varieties because these are better adapted to our territory.

In addition, we conducted studies to characterize the different local varieties in order to make them known among producers to incorporate them into their productions among consumers and to encourage consumption and increase demand.

To study of the management and sustainable use of genetic resources, we can offer our high expertise in organic production, know-how in the management of new crops, skilled farmers, orchards experimentation, our characterization studies and collection of seeds of local varieties.

We look forward to share experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable agriculture.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme.

National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

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Country: Spain

Contact person: Cristina Cabeza Fernández

Telephone: 34955048511

E-mail: cristina.cabeza@juntadeandalucia.es

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES113)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

We have worked really hard to achieve a more sustainable agriculture (with the combination of the modernization of farms with the improve of the animal welfare), and to develop the extensive livestock systems or to increase the diversity and the friendly environmental practices.

In this line, we have to emphasize the success with the EU grants for to promote the friendly environmental practices, on promoting the organic farming and our collaboration in the protection and improvement of indigenous livestock breeds (95% of our farmers have indigenous beef breeds, the 80% of them sale their products through a quality local label and they can sale its products a 30% more expensive than its competitors).

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

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Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



AMIRAM PORATH CONSULTING

Other organization(consulting,association,...)

*PROFILE from Israel
(15IL365)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

General - One of the major challenges faced today by national economies is the slowdown in the world commerce. Since 2008 the international slowdown in the world trade has created a significant economic problem for different countries and regions.

The changes in the last decades that has given advantages to knowledge based and innovative economies, has placed the hopes of economic growth on R&D active organizations and SMEs. That outlook combined with the current situation make it very difficult for traditional sectors and therefore for economies based on such sectors, to maintain their growth ration, and even to grow at all. These traditional sectors (e.g. natural food raw materials, Furniture, and Jewellery) are now required to innovate, but lack both the managerial capacity and the financial support.

At the same time pressure is being applied to research organizations for them to further their contacts in the community and to assist the growing economy by facilitating technology transfer and innovation transfer to the firms. APC currently consults the Chief Scientist of the ministry of Economic Development (formaly industry and trade) in Siraël, as well as companies seeking strategic development.

Expertise offered (related to the topic)

The service APC proposes, is focused on assistance to the development of Innovation systems, promote R&D in different sectors, in a specific region by analysing the needs, developing a

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comprehensive system and training their existing management in innovation management, including for example facilitating Technology Transfer activities in cooperation with the research institutions to allow for improved competitiveness and to remove the barriers for future cooperation between the local partners, by creating a positive experience. This activity will help to create R&D capabilities in the companies involved, and to further encourage them to acquire and assimilate new technologies.

The expertise of Dr Porath, the CEO of APC is demonstrated in the following sections and can also be followed using his publications (see Amiram Porath on Amazon.com). The specific issues for this sections are the management of the resources in a general view, as well as services including standardization of the activities and results.

Previous FP experience

2011 – 2012 SBA Mapping project phase II – National Consultant

2010 – 2011 SBA Mapping project – National Consultant

2009 – 2010 METRIS Country Correspondent

2008 – 2009 ERAWATCH Country Correspondent

2006 – 2008 Administrative Coordinator of DNA devices – an FP6 project.

2002 – 2005 Administrative Coordinator of DNA as Nanowires – an FP5 project.

2001 – 2004 Country Coordinator of the European Jewellery Institute – a virtual centre under FP5 in Jewellery technology.

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

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Contact person: Uri Fishelson

Telephone: 972-3-5118171

E-mail: uri@iserd.org.il

Partnership Profile



COVAP

Large company

*PROFILE from SPAIN
(15ES114)*

TOPIC OF INTEREST

TOPIC

SFS-7/2014-2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

COVAP is the largest agroindustry cooperative in Andalusia and is one of the most important in Spain, founded in 1959. The business scope is mainly focused on dairy products, animal feed, and meat products: 1) milk, milk shakes, enriched milks, 2) sheep, cow and goat cheese, 3) Iberian Ham and sausages, and 4) Iberian pig, beef and lamb meats. COVAP has an integrated production system based on an eco-sustainable model.

Its pastureland use rotational farming methods, meaning that the land is used to grow cereals for a period, and then used for livestock grazing. This kind of relationship between crop and animal farming is only possible due to a balance in the use of natural resources.

COVAP integrated production chain involves livestock, feeding, industrialization, commercialization and consumer (markets). The main advantage using this model is to have the control over the different steps till reach the end product and implement solutions from farm to fork. Each action at different levels will affect the rest in the chain, following up the quality and traceability of each end product. Moreover, COVAP has set up its own technical support service to get closer to members and to provide them with everything they need to improve their production conditions. A skilled team of professionals provides a highly personalised service to members by carrying out a lot of field work. There are now four main support areas: 1) Rural Engineering and the Environment, 2) Hygiene and Health, 3) Reproduction, and 4) Comprehensive Advisory Services to help members to take advantage with the support of Public Administration.

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Expertise offered (related to the topic)

COVAP is a Cooperative with a strong tradition in rearing local breeds which are highly adapted to the natural environment: The Pasture. Those breeds are Retinta cattle for meat production, Merino breed of sheep and their derivatives and Murciano-Granadina goats for cheese making and the Iberian Pig which is fed with acorns during its fattening period, at the end of its cycle of life. Its derived products are meat, sausages and cured ham.

Previous FP experience

COVAP has participated in the following International Research Projects: BRIDGE Project (6th FP) where the application of RFID in the processing of Spanish Iberian ham for traceability and storage management. Currently, COVAP is involved in a Research Project from 7th FP Called BIOFOS which attempt to develop a high-added value multi-analyte biosensor for quality control in food industry. Under the figure of EUREKA, COVAP is running the Project INFORMED, which addresses online monitoring & control of production in the meat processing industry. Moreover, COVAP has huge experience in developing research projects financed by its own resources and with National funding, in areas such as Food quality, Food safety, Animal Health Status and Production Improvement, or New Products/Processes Development.

Role in the project

Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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Partnership Profile



GRUPO TRAGSA

Large company

*PROFILE from Spain
(15ES115)*

TOPIC OF INTEREST

TOPIC

SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience

ORGANIZATION EXPERTISE

ENTITY PROFILE

TRAGSA is the matrix company of GRUPO TRAGSA, a State owned Spanish company which provides the Spanish Ministry of the Environment, Rural and Marine Development with engineering and infrastructure services and management-related technical and administrative support. GRUPO TRAGSA is a leading company in the forestry and agricultural development segments of the Spanish technical assistance and engineering field.

GRUPO TRAGSA has strong presence nationwide, with offices in 17 regions and 52 provinces, providing added value in terms of quick and effective implementation and execution of entrusted projects.

The international presence of GRUPO TRAGSA seeks the transfer of know-how, experience and technology in its chosen areas of expertise, with more than 120 projects in 35 countries in North Africa, Sub-Saharan Africa, Latin America and the Caribbean, Asia, Europe and the Middle East. This international presence, which was mainly initiated through Spanish co-operation projects, has expanded

with input from experts and the successful winning of tenders in which GRUPO TRAGSA has participated, both individually and in consortium arrangements.

GRUPO TRAGSA counts on an Innovation, Research and Development Unit in charge of the monitoring, management and technical support of the R&D projects carried out by the different units

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of the company. It has a wide experience in the management of national and international cooperation projects. Within the European Framework Programme.

Expertise offered (related to the topic)

TRAGSA has a wide experience in the conservation and management of genetic resources, mainly focused on species with a high economic value in different Spanish regions, such as *Castanea sativa*, *Pinus pinaster* or *Quercus suber*.

TRAGSA counts on adapted facilities for the development of biotechnology R&D activities, which include a lab for small-scale micro propagation of forest species, climatic chambers of in vitro culture and a transfer chamber, cryopreservation infrastructure and an ultra freezer for long shot conservation, industrial stoves as well as other small equipment for physiological measurements. In Addition, TRAGSA has extensive experience in the establishment, monitoring and control of experimental fields.

The company works jointly with different Universities and Technological Centers, and has strong links with the Public Administration and with private forest-based companies

Previous FP experience

c@R: Collaboration at Rural (FP6, www.c-rural.eu)

FUME: Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world (FP7, www.fumeproject.eu)

SmartOpenData: Linked Open Data for environment protection in Smart Regions (FP7, www.smartopendata.eu)

Other EU funded projects: HABITATS (CIP, www.inspiredhabitats.eu), SATFOR (INTERREG IVB Sudoe, www.satfor.eu), FORRISK (INTERREG IVB Sudoe, <http://forrisk.efiatlantic.efi.int>), VELIF (LIFE-Environmental).

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK116)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agricultural sector and food sector. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy related to the development of new technologies. In our work we pay special attention to small and medium-sized companies but we cooperate with companies of any size and any nationality. Environmental technologies for a cleaner agricultural production is one of five core fields of expertise in AgroTech.

Expertise offered (related to the topic)

AgroTech offers expert knowledge in technologies to reduce pollution caused by intensive livestock production systems. This includes expertise within development and demonstration of technologies for reduced emissions of ammonia, odour, and greenhouse gases from livestock production. In addition, AgroTech has experience within development and demonstration of technologies for improved handling of manure including biogas and gasification technologies. AgroTech also carries out test and environmental technology verification (ETV), which is an independent third party assessment of environmental technologies – e.g. cleaning of air from livestock buildings, sensor technologies, slurry additives, slurry separation, and biogas generation.

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Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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E-mail: as@agropark.dk

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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES117)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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Expertise offered (related to the topic)

CTAEX's expertise lies in the development of agricultural trials related to plant variety characterization, seeds and plant material multiplication, and crop management practices, specifically addressing sustainable crop production and mechanisms to increase productivity, stability, and quality of fruits, vegetables, cereals and legumes.

It also lies among the Agricultural Dpt. expertise the study of weed control and pest management through innovative procedures like the employment of aromatic and medicinal plant's bioactive compounds as well as those chemically interesting substances coming from the exploitation of by-products and residues of the agro-food industry. In this sense, up to 60 different vegetable species of Aromatic and Medicinal plants have already been successfully grown, extracted, characterized, and chemically and microbiologically evaluated in the search of bioactive compounds with different applications.

The soil quality and management is approached via the study of alternative cultivars, and the development of novel fertilization techniques including innovative eco-friendly amendments.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society'11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



DTU FOOD

Technological Centre

*PROFILE from Denmark
(15DK118)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Center for Hygienic Design (CHD) at the Technical University of Denmark (DTU) aspires to participate closely with research organisations and companies in research and development projects. In addition, the center offers consultancy in trouble-shooting and problem-solving in the food and biotech industry, and assists in testing and development projects within the scope of the center. Furthermore, the center contributes to the master research programme Food Technology and offers predefined or tailor-made courses in hygienic design.

Expertise offered (related to the topic)

Hygienic design and certification of process equipment can greatly help to reduce the environmental impact. Less water, chemicals, time and energy are used by the use of hygienically designed equipment. Moreover, it lasts longer, and therefore should be serviced, repaired and replaced less often.

Center for Hygienic Design is open to a wide range of projects within research, education and consultancy. Whether you represent a manufacturer of process equipment interested in certification according to EHEDG guidelines or you are looking for a qualified partner for projects in relation to hygienic design, we are ready to assist and consult you in the development of hygienic solutions.

The center offers test for cleanability and hygienic design of process equipment, examination of production facilities to minimize and prevent cross-contamination of the food product, and targeted courses in hygienic design.

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The center has extensive experience with microbiological test methods, handling of difficult-geometry equipment and has for number of years dealt with CFD and evaluation of surface roughness and food contact materials. The center is located in a research environment and combines practical and theoretical knowledge from many disciplines and institutes.

Previous FP experience

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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Country: Denmark

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Partnership Profile

 **FOUNDATION OF AUXILIARY INDUSTRY OF AGRICULTURE, TECNOVA FOUNDATION**

Technological Centre

*PROFILE from Spain
(15ES119)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Foundation for Agricultural Auxiliary Technologies (TECNOVA Foundation) is a Centre of Technology Innovation Support on a national level. Furthermore, is a non-profit making private institution having legal personality currently made up of 125 companies belonging to the agricultural industry and auxiliary services, postharvest and packaging as well as administrations, entities privates and publics.

In TECNOVA, we count on an innovation department responsible for the administrative and economic management of R&D&I projects which are developed in the centre. Since 2001, date in which the Foundation was developed, the projects have been overcome the hundred.

Research and services department

Tecnova rely on two important research zones:

- Horticultural Production Technology (TPH)
- Postharvest and Packaging Technology (TPE)

Expertise offered (related to the topic)

Postharvest and Packaging Technology

Postharvest consulting

- Advice regarding the implementation of the APPCC system.

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- Optimisation and monitoring of food quality management systems.
- Innovation studies on agro-industrial processes (preservation, transport conditions etc.)
- Market research (new products, trends etc.).
- Electronic fruit: determination of major points of impact during handling and design optimisation.
- Studies on respiration rates (metabolic study on plants).
- Characterisation of varieties.

Non-destructive analysis techniques

- Measurement of biofunctional compounds in fruit and vegetable products.
- Characterisation of diverse attributes of fruit and vegetable products and in real time.
- Calibration and validation of quality parameters in fruit and vegetable products using NIT technology ($^{\circ}$ Brix, pH, firmness, moisture, etc).

Packaging studies

- Product shelf life: microbiology and sensory quality.
- Optimization of packaging conditions.
- Modified atmosphere evolution inside containers for fresh and ready prepared products.
- Physical-chemical parameter evolution: texture, colour, firmness, etc.
- Biofunctional compound evolution.
- Nutritional composition evolution.

Ready-prepared and ready-cooked products.

- Establishing shelf life.
- Microbiological control.
- Nutritional composition.
- Packaging optimization.
- Intelligent packaging.
- Labeling studies.

Previous FP experience

"Reducing mineral fertilizers and agro-chemicals by recycling treated organic waste as compost and bio-char products" "FERTIPLUS". This is a collaborative research project within the cooperation and thematic zone of agriculture, nutrition and biotechnology, KBBE.2011.1.2-02, from the 7th Framework Program (FP 7) FP7. Tecnova participates as a leader of a work package focused on the life cycle analysis. "Lactic acid bacteria and other microorganisms antagonists as preservatives in minimally processed fruit and vegetables" "BIOSAFOOD" funding by Eurotransbio under ERA-NET scheme FP7 tool for research, technological development and demonstration of the European Union.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile

 **FUNDACION CENTRO TECNOLÓGICO ANDALUZ DEL SECTOR CÁRNICO (TEICA)**

Technological Centre

*PROFILE from Spain
(15ES120)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Teica has become innovation service meat companies, agribusiness and auxiliary, expanding its business base. Teica activity, which has been growing exponentially, it's focused on three priority areas: R&D, technical assistance and training, it is framed within the strategic lines are: direct service to companies, testing demanded by the industry, engineering support and process optimization, technology transfer, documentary support and training of all levels (basic, intermediate, technicians and managers). Teica has advised the meat sector companies in the deployment of processes and actions which represent and environmental improvement. TEICA collaborate with diverse ecological cattle and breeders. This is the case of the implantation of the ISO 14001 Norm in companies, advising to enterprises in the accomplishment of environmental improvement actions within the program ECOINNOCAMARAS, and studying the viability of a biogas plant in the region using as substrates the meat industry residues. On the other hand, within A2TRANSFER (POPTec program, FEDER funds) and TRATECAR (REINDUS program) projects, Teica has made technology transfer activities based on improving production processes that make companies more environmentally sustainable. During the project development RETCETEC (POCTEFEX program, FEDER funds), TEICA has developed five prototypes of 5th range halal dishes. The same way, Teica has made the technological development of burgers using organic Iberian pork

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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and organic beef. Teica technicians have participated as speakers at various seminars for environmental improvement. Teica has a laboratory which performs all types of analytical to the meat sector companies, including sewage, and a pilot plant for the development of new processes

Expertise offered (related to the topic)

TEICA performs the design and development of new products and processes. Also, Teica carries out technology and practice viability verification studies of news products and processes and economic viability verification of these, performing market study, innovation strategy development and partner search. In the TEICA's pilot plant is made demonstration, testing, prototyping and piloting of new products and processes, and in TEICA's lab carry out Food Security Validation, both microbiological and Physicochemical both microbiological and Physicochemical. TEICA's Technical staff advises companies on Sustainable Food Security and performs implantation of HACCP.

Previous FP experience

TEICA has participated as principal beneficiary or as a partner in various calls of 7FP, the projects submitted were EVIPER, MICROGEST and NEWGOATPRO. TEICA has participated as principal beneficiary or as a partner in various calls of LIFE program, Modelling Biocontrol of *Listeria monocytogenes* in the Meat Industry, DEHESA VALOR and REWATER. Teica has carried out several projects financed by FEADER and FEDER funds. Programs POPTEC, POCTEFEX and GDR-FEADER. Teica has carried out the development of new products based on organic goose (GDR-FEADER), Iberian pork products obtained bred and fed in the chestnut (GDR-FEADER). In teh projetc RETCETEC (POCTEFEX program) Teica developed five prototypes of 5th range halal and organic dishes, using organic lamb *lojeño*. Teica in NEWGOAT PRO project proposes the development of dishes from goat meat. Teica has requested funding for the program SUDOE to the realization of revalued viscera products

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES121)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusiness. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We performs the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS7MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation ad packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD is working on the application of innovative and effective strategies to improve the management of external inputs through several national and international projects. For example, IDEALFOOD is participating in "Resource efficient and Safe Food Production and Processing" RESFOOD project (www.resfood.eu) in which new technologies are being applied to achieve an efficient water, nutrients and energy management.

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Our agronomic department has a large expertise in research related to greenhouse-based agriculture while our postharvest department has developed many project in order to improve shelf life, food security and quality of the products.

IDEALFOOD can offer:

Postharvest and Packaging Technology

Postharvest consulting

- Advice regarding the implementation of the APPCC system.
- Optimisation and monitoring of food quality management systems.
- Innovation studies on agro-industrial processes (preservation, transport conditions etc.)
- Market research (new products, trends etc.).
- Electronic fruit: determination of major points of impact during handling and design optimisation.
- Studies on respiration rates (metabolic study on plants).
- Characterisation of varieties.

Non-destructive analysis techniques

- Measurement of biofunctional compounds in fruit and vegetable products.
- Characterisation of diverse attributes of fruit and vegetable products and in real time.
- Calibration and validation of quality parameters in fruit and vegetable products using NIT technology ($^{\circ}$ Brix, pH, firmness, moisture, etc).

Packaging studies

- Product shelf life: microbiology and sensory quality.
- Optimization of packaging conditions.
- Modified atmosphere evolution inside containers for fresh and ready prepared products.
- Physical-chemical parameter evolution: texture, colour, firmness, etc.
- Biofunctional compound evolution.
- Nutritional composition evolution.

Ready-prepared and ready-cooked products.

- Establishing shelf life.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Microbiological control.
- Nutritional composition.
- Packaging optimization.
- Intelligent packaging.
- Labeling studies.

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

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Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK363)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015, Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agriculture and food sectors. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy on a commercial basis related to the development of new technologies. In our work we pay special attention to small and medium-sized companies, but we cooperate with companies of any size and any nationality.

Sustainable production of open field vegetables is one of our core fields of expertise in AgroTech.

Expertise offered (related to the topic)

We work with plant genetic resources (new, old and wild cultivars/landraces). We have expertise in production of food, including issues of yield, quality, diseases and storage.

We can optimize the method of cultivation and work with strategies and technologies to reduce food waste in potatoes and vegetables.

Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

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Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile

 **BIOLCHIM SPA**
SME
PROFILE from Italy
(15IT122)

TOPIC OF INTEREST

TOPIC

SFS-8-2014/15: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Biolchim S.p.A. is a leading company in the production and commercialization of biostimulants, whose function is to stimulate natural processes to enhance nutrient uptake, nutrient efficiency, tolerance to abiotic stress, and crop quality in full respect of sustainable agriculture values and practices. Thanks to the experience acquired in 40 years of activity, the strong relationship with the greatest worldwide producers of raw materials, and the collaboration with important Universities and Research Centres, Biolchim offers a complete portfolio of biostimulants that maximize the performance of any crop, anywhere in the world. Biolchim's R&D Team cooperates closely with Universities and Research Institutes all over the world with a view to transfer Knowledge directly to the field.

The working approach is based on 3 founding principles:

- innovative raw materials, especially botanical extracts and compounds of vegetal origin, to combine agronomic efficacy with environmental sustainability;
- high-tech manufacturing processes, to keep the biostimulant properties of plant extracts and natural molecules unaltered;
- large scale product experimentation, to ensure the highest standards of safety and effectiveness in all agricultural contexts. AREAS OF INNOVATION:

- PRODUCT

- MANUFACTURING PROCESS

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•PACKAGING

•BUSINESS AND OPERATION MANAGEMENT

•MARKETING and COMMUNICATION

Expertise offered (related to the topic)

Development of plant nutrition products and improvers of plant stress tolerance of biological origin: prototype development, large-scale testing, industrial scale-up; commercial launch (production of marketing material, distribution etc...)

Previous FP experience

Ongoing cooperations with Universities, Research Institutes, and other companies:
<http://www.biolchim.it/index.php?lang=en&page=win.html>

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

Organisation name: Aster S. Cons. P.A.

Address: via P. Gobetti 101

Postcode: 40129

City: Bologna

Country: Italy

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Partnership Profile



CHAM FOODS

SME

*PROFILE from Israel
(15IL123)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Working together with sustainable growers and farms for the supply of fruits and vegetables and herbs.

Receipt and handling of naturals in large scale.

Supportive in-house laboratory testings through all parts of processing.

Processing including concentration, cold and hot break, aseptic filling.

Drying processes such as spray drying and freeze drying in pilot and commercial scale.

Natural raw materials dried as powder or sliced or concentrated.

Expertise offered (related to the topic)

Previous FP experience

Role in the project

Research; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: MATIMOP-ISERD

Organisation name: Israel-EU R&D Directorate

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Address: Industry House, 29 Hamered St.

City: Tel Aviv

Country: Israel

Contact person: Uri Fishelson

Telephone: 972-3-5118171

Fax: 972-3-5170020

E-mail: uri@iserd.org.il

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 <p>enterprise europe network</p> <p><i>Business Support on Your Doorstep</i></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK124)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

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Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



FOOD PROCESSING INITIATIVE E.V.

SME

*PROFILE from Germany
(15DE125)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Food-Processing Initiative (FPI) e.V. (membership association) is the established networking organisation for food industry (i.e. producers, technology, ingredients, packaging, IT solutions) and research. FPI facilitates innovation in product, technology and knowledge, and opens up new markets. FPI is engaged in national and international innovation projects, delegations and matching events.

Expertise offered (related to the topic)

Creating Contacts – Pooling Potential – Opening Opportunities

FPI, founded in 2000, is an acknowledged network in the food sector. FPI supports food companies, in particular small and medium-sized enterprises (SME) on innovation, strategic alliances, market potentials and expansion. FPI fosters communication, provides information, establishes contacts across the food chains, initiates and supports all forms of co-operation and innovation projects, resource efficient processes in food production and dissemination and exploitation strategies, both national and international.

Previous FP experience

FPI e.V. has participated in several EU projects fostering innovation in the German food sector and promoting transfer of research results to the food industry. Project examples are the INTERREG projects FoodSpot, FoodFuture and FP7 project AgriFoodResults. FoodSpot is a collaborative platform for cross-border innovation and cooperation in the food sector of the Netherlands, Flanders

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and North-Rhine Westphalia. AgriFoodResults provides useful tools for dissemination managers of food research projects, including a virtual supermarket which provides food SMEs an intuitive access to the results of past EU R&D projects.

Role in the project

Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

Postcode: 45470

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Country: Germany

Contact person: Agnieszka Kaminska

Telephone: 0049 208 30004 51

Fax: 0049 208 30004 29

E-mail: ak@zenit.de

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Partnership Profile



HERAL ENOLOGÍA, S.L.

SME

*PROFILE from Spain
(15ES126)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Heral Enología, S.L. is a spin-off from University of Extremadura devoted to biotechnological RTD, microorganisms production and commercial lab, specially in the agrifood sector. The two promoters have university degrees in Chemistry and Enology and they both have worked in enological advice since 1999.

Heral Enología carries out RDT for the characterization and isolation of the microorganism involved in agrofood industrial processes, specially yeasts. The company offers to clients exclusive collections of microorganisms, as well as their production at industrial scale to be used as part of their processes. Besides the company has a collection of selected and characterized microorganisms.

Some of the projects they have developed in the last years are the following ones:

- Use of ultrasound to improve cava aging
- Composting of organic waste
- Modifying of olive seasoning process to use bleach waste as fertilizer
- Use of cheese whey to produce probiotics for animal feeding.
- Selection of yeasts for ecological wine production

One of the lines of research they recently have implemented is the revalorization of waste products from grape and vineyards to develop new products for animal feeding.

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Expertise offered (related to the topic)

The company is current involved in projects related to the revalorization of wine by-products in order to develop new feed products for livestock in order to upgrade winery waste. The company is interested in participating in projects related to the wine since the company has large experience in the sector. Heral Enología has a wine laboratory and they work as advisor for companies in Extremadura (southwest of Spain). In addition the company has more than hundred wineries as clients in Spain and Portugal.

Role in the project

Research; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

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Country: Spain

Contact person: María García Rosa

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Partnership Profile



LABORATORIOS AGL

SME

*PROFILE from SPAIN
(15ES127)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

LABORATORIOS AGL is a laboratory that operates in the food, pharmaceutical, cosmetic and nutraceutical field under the most stringent quality standards such as ISO 17025 and GMP

The company has suitable equipments and materials to offer companies high quality services and products. Since the establishment of the R&D department the company has experienced a substantial evolution, through the incorporation of new lines of work.

Due to the fact that the sector in which they work is very wide, Laboratories AGL have different specialised departments:

-Inorganic Lab: Soil analysis, leaf analysis, fertilizer analysis, mud analysis, animal feed analysis.

-Organic Lab: Fatty acids analysis, pesticides analysis (acreditation by ENAC), vitamins analysis, mycotoxins, BTEX and PAHs analysis, preservatives and food additives analysis and active principles of plants analysis .

-Microbiology Lab: Water analysis (irrigation water, sewage, legionnaire's disease), food analysis, surface analysis, environment analysis, cosmetic analysis and toxin analysis. (Acreditation ENAC)

-Quality Department

-Pharmaceutical Department

-I+d+i Department

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Expertise offered (related to the topic)

Experienced researches of the company develop projects related to the following research focus:

- determination of oils and oil cosmetics through gas chromatography
- determination of fatty acids in water and oils
- determination of pesticides, mycotoxins and other organic contaminants in food and feed.
- determination of organic contaminants in drinking water by microextraction in solid phase subjected by gas chromatography
- determination of trace level food composition (minerals, vitamins, preservatives and additives).

One of the most relevant topics for the company is the food quality and food safety control. Nowadays, innovation in health is one of the strategic line of work for the company. LABORATORIOS AGL has a very close working relationship with a wide number of farmers, stockbreeders and pharmaceutical companies. Likewise, their daily work allows them to know the real needs on the agrofood and pharmaceutical sector. They have experience in regional and national projects therefore they have enough technical and human resources to join in European projects, contributing with added value derived from their daily activity.

Role in the project

Research; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

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Country: Spain

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E-mail: maria.garcia@fundecyt-pctex.es

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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES128)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested

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already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



QUEIZUAR

SME

*PROFILE from Spain
(15ES129)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Queizuar is an SME, created in 1997 that produces traditional PDO cheese. It is located in Galicia the leading milk producer region in Spain, with approximately 55% of the Spanish dairy farms.

Nowadays, Queizuar-Bama processes 50.000 litres per day, producing 3 types of cheese: Arzua Ulloa Protected Denomination of Origin, Tetilla Protected Denomination of Origin and Fresh cheese.

Queizuar has been working in 5 R&D projects during the last 7 years:

1-“Estudio das alteracións superficiais aparecidas na produción de queixos das denominacións de orixe Tetila e Arzúa-Ulloa” (Study of surface alterations appeared in the production of PDO cheeses: Tetilla and Arzúa-Ulloa) – PGIDIT05TAL011E (Xunta de Galicia – Spain) – (2005-2008)

2-“Valorización dos soros de queixería mediante a produción de ingredientes alimenticios funcionais e produción de bioetanol” (Cheese whey valorization through the production of functional food ingredients and bioethanol) – PGIDIT07TAL006E (Xunta de Galicia – Spain) – (2006-2008)

3-“Obtención dun preparado lácteo funcional a partir dos soros de queixería” (Obtaining a Functional Dairy prepared from cheese whey) – PGIDIT09TAL002E (Xunta de Galicia – Spain) – (2008-2010)

4- “Valorización dos soros de queixería mediante a produción de bioetanol” (Cheese Whey valorization through bioethanol production) – PGIDIT09REM001E (Xunta de Galicia – Spain) – (2008-2010)

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5- "Valorización do soro de leite mediante a produción de bioetanol e dun novo produto con propiedades anti-hipertensivas" (Cheese whey valorization by producing bioethanol and a new product with antihypertensive properties) – FEADER 12/11 (Xunta de Galicia – Spain) – (2012-2013)

Expertise offered (related to the topic)

Queizuar is aware with the environment and sustainability, and its last four R&D projects are focused on reducing its fossil fuel consumption and reducing the cheese whey impact on the environment. Continuing with the effort of the company to contribute to low resources consumption Queizuar would work in future projects related with environment and sustainability.

Previous FP experience

Queizuar presented since 2011 three european projects as coordinators (2 Eurostars and 1 KBBE) and one KBBE project as partners. The last one has been elected to be financed by the EU, and it began the last 1st of November.

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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Country: Spain

Contact person: Jana Vavrinová

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES130)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

- * Design and implementation of robotic systems

- * Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

- * Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Training; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



SIGMA BIOTECH, S.L.

SME

**PROFILE from SPAIN
(15ES131)**

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Sigma Biotech offers a wide range of services focused on developing innovative agri-food projects, thanks to a multidisciplinary team that meets the needs of R & D firms adapted to the food sector.

Experts on solving specific needs, medium-term undertaking projects and engage in strategic plans that lead to the development of a variety of food products that are launched in the market by implementing innovative new food technologies. DESIGN AND DEVELOPMENT OF NEW PRODUCTS.

CHARACTERIZATION OF FOOD.

ADVICE AND MANAGEMENT IN THE PREPARATION OF REPORTS AND PRESENTATION OF GRANTS AND SUBSIDIES FOR R & D BOTH AT REGIONAL, NATIONAL AND EUROPEAN.

FUNDING R + D + i

Sigma Biotech collaborates with public and private agencies, offering full management for companies to successfully access to existing financial aid for the development of R + D + i , taking place from document management to technical development so integrity.

Our successes behind us. Some of the projects that your team works are:

-New range of spirits alcoholic dairy adjustable solidified .

-Development new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .

-Systems emulsifiers based on fatty no additive for stabilizing batters.

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- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .
- New range of products consist of multilayer restructured quince and dairy .
- New range of soft drinks based on natural products.
- New range of oilseeds with different wall mounts .
- Textured products from natural raw materials.
- Enzyme Systems fermented bread with no thermal activation of yeast.
- Chromatic flavored alcoholic beverages , based on the ionization of anthocyanins by acid-base shift.
- Ice high melting point surfactant systems based on the reduction of interfacial surface tension.

Expertise offered (related to the topic)

TECHNOLOGICAL SOLUTIONS

Sigma Biotech is specialized in optimizing production processes and manage technology solutions products, both for improving the same as for the correction of any physical alterations chemical, microbiological, organoleptic , rheological ...

The methodology conducted by Sigma Biotech for the development of a project is based on a clear philosophy: to accompany the client at all stages of the same , from idea generation until memory document management , technical development laboratory scale and industrial location :

- Visit the customer premises, thereby acquiring much information as possible and thus facilitating the development of the project.
- Signing a confidentiality agreement between the parties, ensuring the utmost privacy possible.
- Writing a previous projec , based on the research that is to be carried out , for review by the customer and making the appropriate adjustments .
- Presentation of a final draft . Document management into CDTI presentation or in the appropriate body .
- Confirming the proposal and the budget and signing the contract.
- Technical development laboratory and pilot scale and industrial location .
- Memory Presentation results and relevant technical justification to the appropriate body .
- Sigma success Biotech acceptance works if technical report presenting a funding agency, if it is rejected , the customer does not acquire any financial commitment or technical .

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Previous FP experience

TECHNOLOGICAL SOLUTIONS

Sigma Biotech, despite being a newly established company , is working in R & D with major companies in the sector in Spain . Currently , is involved in many interesting projects that are giving more interesting conclusions for the future of the industry agroalimentaria . Some of the major projects in which your team works are:

- New range of spirits alcoholic dairy adjustable solidified .
- Developing new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .
- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .
- New range of soft drinks based on natural products.

Enzyme Systems fermented bread with no thermal activation of yeast.

Chromatic - alcoholic flavored drinks , based on the ionization of anthocyanins by acid-base shift .

Ice - melting high surfactant systems based on the reduction of interfacial surface tension

Role in the project

Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
DIFFERENTIATED & BIOFUNCTIONAL FOODS**

R&D Institution

*PROFILE from Denmark
(15DK132)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research activities in Aarhus University's Department of Food Science encompass the entire food chain from field to fork, as well as the health-promoting properties of foods and food constituents.

The Department of Food Science possesses leading capabilities and resources, as well as active national and international networks, and is therefore able to make significant contributions to current food-related global challenges: food supply, food wastage, sustainable food production under changed climatic conditions, and increased occurrence of lifestyle-related diseases. Additional focus areas include food quality, differentiation of foods, and novel, convenient and healthy foods.

Most of the research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

The research creates basic and application-oriented knowledge on animal and plant-based food products and promotes a sustainable and safe food production with regard to food supply, consumers, industry and current legislation.

The five science teams:

Plant, Food and Sustainability - Plant, Food and Climate - Differentiated and Biofunctional Foods - Food Chemistry and Technology Food - Metabolomics and Sensory Science.

Expertise offered (related to the topic)

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The science team leader is engaged in research in meat quality including responses/status of the live animals prior to slaughter affecting processes post mortem when muscle is turned into meat. Areas of special interest include oxidative status, stress, metabolically active compounds, and plant metabolites.

She carries out animal experiments combined with model systems of e.g. primary culture cells to investigate mechanisms related to the focus areas.

Presently she works on two projects investigating 1) mobility of water in relation to water holding capacity, including effects of creatine supplement and 2) effects of plant metabolites on cellular stress.

The science team's activities focus on how to improve product quality, add new positive features to well-known food products or develop new types of food product.

The topics include evaluation of product quality parameters such as the tenderness of meat and the taste of vegetables, fruit and milk, and bioactive and nutritionally important constituents of meat, dairy and plant products. The team's activities also include new ways of producing foods such as in vitro meat or vertical farming systems, as well as the exploitation of plant medicines and plant-produced pesticides.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

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FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Interveg - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

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Postcode: DK-8830

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Country: Denmark

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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
DIFFERENTIATED & BIOFUNCTIONAL FOODS**

R&D Institution

*PROFILE from Denmark
(15DK133)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research fields:

Development of high quality milk with improved taste and stability

Control of milk composition by feed and breed

Variation in milk fatty acid composition

Expertise offered (related to the topic)

Research activities within the fields mentioned above.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Interveg - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE134)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Institute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and development projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The department for Meat Technology has special interest in sustainability activities in the meat production chain including mechanically separated meat.

The department of Beverage Technology holds competences in research projects focussed on the development of functional beverages and fermentation technologies. Beverages can be produced from lab scale up to large scale of 500 L per batch. All important downstream technologies are available in large scale.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of

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ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

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Partnership Profile



KIN FOOD INSTITUTE

R&D Institution

*PROFILE from Germany
(15DE135)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our service for the food industry:

For 45 years, we serve our members and customers as the competent and successful one-step service provider in the fields quality assurance, research & development, seminars and technical school. With this, we are unique in Europe.

Our work focuses on product safety, high quality food products and further education for the food industry. The objective of KIN Food Institute is to implement existing knowledge and latest research findings into product development and food analysis so that the quality features of the competitive products provided by our member companies offer the consumers a clear advantage. The further development of practical skills of food technicians and other employees in the food industry ensures a reliable longterm economical success for the enterprises.

Our about 300 member companies take advantage of many member benefits. The membership reflects their commitment to the future of the food trade.

Expertise offered (related to the topic)

Research and Development: Preservation, Product development, Process engineering, Packaging, Extrusion, Minimal Processing

Quality assurance: National and international food law, Hygiene management, HACCP concepts, Chemistry and microbiology analysis, Sensoriy quality

Previous FP experience

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*Process inspection and development of Cooked and Chilled Food

*Production and cooling of boiled sausages e.g. product-related package in a controlled environment:
Basics, boiled sausages sliced, cooling and package

*Exploration of manufacturing technologies for convenience food suitable for microwave

*Determination of new sterilization parameters to optimize the quality of wet canning based on current knowledge for vegetables, meat and ready meals

*NIR-MAP combination method to extend the shelf life of foods (boiled sausages) using direct IR surface sterilization and protective gas package with modified radiation geometry

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: 150382-*01

Organisation name: Investitionsbank Schleswig-Holstein

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Postcode: 24103

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Partnership Profile



RESEARCH GROUP: "MATERIALS AND NANOTECHNOLOGY FOR INNOVATION" (TEP946). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from Spain
(15ES136)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The research group MATERIALS AND NANOTECHNOLOGY FOR INNOVATION has developed specific methodologies to determine the structure, morphology, strain and composition of materials with spatial resolution ranging from the atomic scale up to the microscale. In addition to this, it has developed nanofabrication methods that improve production processes and quality control of advanced materials. These methodologies are based on nanoscopic and microscopic techniques that use electron and ion beams to analyze materials.

Our research, development and innovation activities are focused on two guidelines:

- 1) We research the relationship between the nanostructure of materials, their processing and function, to produce new materials and innovative products with market potential.
- 2) We develop materials for additive fabrication (3D printing). We highlight the contribution of Nanotechnology to improve these materials and to innovate in 3D and 4D printing.

Our mission is the creation of wealth from the generation of knowledge in the areas of Nanotechnology and Materials Science and Engineering.

Expertise offered (related to the topic)

Main capacities in nanotechnology/nanoscience

- Analysis of composition and strain from nanoscale down to the atom scale (advanced electron microscopy and FIB).

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- Aberration-corrected high resolution electron microscopy of nanomaterials and molecular materials.
- Design and nanofabrication of nanomaterials.

Research topics:

- Materials and additive fabrication (3D printing): application for consumer goods, in the aerospace, food and other industrial sectors.
 - Plasmonic metallic nanomaterials
 - Nanoanalysis and nanoprocessing of materials (electron nanoscopies and focused ion beams)
 - Development of nanocomposites (polymers with graphene and other 2D materials, metal nanoparticles, agricultural residues, and other nanoadditives).
 - Materials and Nanotechnology for high-end products
- UCA facilities for Electron Microscopy:

7 electron microscopes (4 TEM/STEM, 3 SEM), another aberration-corrected scanning transmission electron microscope to be installed in 2013, 1 dual-beam focused ion beam, two labs for sample preparation (5 ion mill thinners), 1 supercomputer for image and structure simulations

Previous FP experience

European Consortium SANDiE (born from the European Network of Excellence SANDiE). European Framework Programme.

Project (Spanish National Programme of Research) TEC2011-29120-C05-03: Quantum semiconductor nanostructures as the key for disruptive technologies (from the nanophotonics to nanoplasmonics): Nano-characterization. Date: 01/01/2012 - 31/12/2014

Project CONSOLIDER CSD2009-00013. IMAGINE: Material Science Down To The Sub-Angstrom Scale. Date: 16/03/2010 - 16/12/2014

Project (Andalucian Research Excellence Programme) P09-TEP-5403. Engineering of new monophase alloyed nitrides for optoelectronics, photonics and electronics. Date: 03/02/2010 - 02/02/2014

Project (Andalucian Research Excellence Programme) P08-TEP-035164, Contribution to the development of semiconductor nanostructures of interest for the Andalucian productive sector. . Date: 14/01/2009 - 13/01/2012

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Project (Spanish National Programme of Research) TEC2008-06756-C03-02/TEC: Contribution to the development of nanostructures for application in quantum integrated photonics. . Date: 01/01/2009 - 31/12/2011

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH GROUP: "VITICULTURE AND ENOLOGY - VITENOL" (AGR146). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES137)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Córdoba (UCO) is a High Education and Research institution, founded in 1972, considered at the forefront of research in Andalusia (Spain) and is ranking among the top research institutions at the national level. Our University is the partner-leader of the Agrifood Campus of International Excellence (ceiA3), formed by other 4 Universities from Andalusia and also is equipped with cutting-edge centralized research facilities (Scanning Confocal Electron Microscope (SCEM), a Genomics and Proteomics Unit, A NIR/MIR Spectroscopy Unit, a Mass Spectrometry Unit, a Nuclear Magnetic Resonance Unit, among others) as a complementary support for the research tasks. The University of Córdoba has considerable experience in managing and implementing international projects and currently has been granted with 29 projects funded through the Seventh Framework Program and 16 project funded by other European programs (2007-2013). A Knowledge Transfer Office, with an International Projects Area facilitates the management of the transnational projects achieved by our university.

The applicants belong to a research group called "Vitenol" which is formed by 6 research scientists and 4 graduate students coordinated by Professor Juan Moreno. The Group was established in 1983 at the Agricultural Chemistry Department and the Microbiology Department, in the University of Córdoba and has been conducting research on Chemistry and Microbiology of wine fermentations, based at Cordoba, Spain, for the last 30 years. The Group has a broad focus on chemical characterization of wine products (aroma and bioactive compounds) and by-products, and microbiological characterization and applications of wine yeasts.

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Expertise offered (related to the topic)

MAIN RESEARCH LINES:

1. Proteomic and metabolomic of yeasts.
2. Yeast cell immobilization and applications in industrial fermentations (sparkling wines, sweet wines, bioethanol from substrates with high sugar content).
3. Fermentation and wine aging control. Quality control of the processes and characterization of the products obtained. Selection of *Saccharomyces* spp. for forming yeasts.
4. Innovations in biotechnology of sweet wines elaboration.
5. Characterization and use of products and by-products of wine industry. Applications to the enrichment of wine in bioactive molecules. Elaboration of wine vinegar.
6. In collaboration with the Group FQM- 198. Development of electrochemical sensors for detection and quantification of compounds of enological interest.

SPECIFIC OBJECTIVES: Development of new wines without addition of sulphites and wines and beverages enriched with bioactive molecules.

Characterization of wines and fermented beverages for identification, authentication and differentiation purposes.

Studies about the effect of food processing technologies on the chemical composition and sensorial quality of wines and beverages.

KNOWLEDGE TRANSFER OBJECTIVES: Collaboration with wine makers, agro-food industries, yeasts suppliers and food supplements industries.

Collaboration for valorization of products and by-products.

Previous FP experience

Improvement of self-immobilized yeast biocapsules formation for the production of sparkling wines. Proteomic and metabolomic study. RTA2011-00020-CO2-02. MINECO-INIA-CCAA and FEDER. 2011-2014

Optimization of yeast biocapsules for making Still and Sparkling wines. Study of the possible deviations of Immobilized yeast metabolism. RTA-2008-00056-CO2-02. MCINN-INIA-CCAA and FEDER. 2008-2011.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Rapid quality control of grapes dehydration and processing for sweet wine by using non destructive technologies such as nir-aof, electronic nose, and fluorescence sensor. Integrated Action Spain-Italy. HI2007-0017. 2008-2009.

Role in the project

Research; Training; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

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Contact person: Laura Valle Cerezo

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**TECHNOLOGIES FOR INDUSTRIAL BIOPRODUCTS
DEVELOPMENT - UNIVERSITY OF SANTIAGO DE
COMPOSTELA**

R&D Institution

*PROFILE from Spain
(15ES138)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

TIBD from University of Santiago de Compostela was created by joining two groups, the first one with a wide experience regarding the research of the extraction of flavonoids and other polyphenols from plants and bioactive components from seaweeds, the second one with a wide experience in drying processes, food rheology and research on gluten-free dough. The main research topics are the development of ultrasound-assisted processes for seaweed extraction of bioactive components, preparation characterisation of gluten-free dough, convective drying and the characterization of starch-based functional foods including extracts from plants and seaweeds.

Previous projects that define our expertise are the following:

"Technological flair for the industrial processing of gluten-free flour doughs. Additives and Thermomechanical and Rheological characterization." CTQ 2010-15309/PPQ. Ramón Felipe Moreira Martinez. National Grant. 01/2011-12/2013.

"Obtaining of algae liquid extracts from Galician coast resources as an added value product to be used in agriculture and cosmetics". PGIDIT10MMA007CT. Jorge Sineiro Torres. Regional Grant. 08/2010-09/2013.

"Evolution of the physical-chemical properties of systems with high content of starch obtained in osmotic-convective drying processes and rheological characterization of the mixture with water." National Grant. Ramón Felipe Moreira Martinez. CTQ 2007-62009/PPQ. 08/2007-08/2010.

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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"Obtaining of taylor-made proanthocyanidinic fractions for grape marc and other subproducts." María José Núñez García. National Grant. AGL-2006-1210-C03-03. 10/2006-09/2009.

Expertise offered (related to the topic)

Our experience is oriented to obtaining functional starch-derived foods by extraction of bioactive compounds from seaweeds to be applied gluten-free fortified dough, which can be studied at all stages of processing, from flour preparation to cooking.

Our facilities include pilot-plant ultrasound processing unit DrHielsher, two convective pilot-plant dryers, rheometer for dynamic rheology Anton Paar, rotary and capillar viscometers, micronizer Retsch, surface tension measurement Lauda, Mixolab unit for preparing and charactrisation of dough, climatic chamber Angelonni 250, two gel filtration preparative columns (7x100 cm), UV detector for chromatography columns, chromatography A/D converter and software eDAQ, fractions collector Bio-Rad, Freeze Dryer FTS Kinetics EZDry, ultrafreezer New Brunswick, rotary incubator New Brunswick Innova40, HPLC Jasco, spectrophotometer Jasco UV530.

Previous FP experience

Jorge Sineiro participated in OLNOCO Project from IV Framework Programme, which was developed by Universidad de Santiago de Compostela (coordinator, Spain), Universidad Catolica de Valparaíso, Intituto de Biotecnología (UNAM , Mexico), Universidade do Porto (Portugal) and Universidad de Vigo (Spain).

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

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Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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E-mail: galactea@cisgalicia.org

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



UNIVERSIDAD DE CASTILLA LA MANCHA

R&D Institution

*PROFILE from SPAIN
(15ES139)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing.

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Molecular Biology and Plant Physiology research group at University of Castilla La Mancha is focus on the study of plant secondary metabolites from different plant species. The main objective is looking for new sources of nutraceuticals, and phytochemicals with different potentials as medicinal, antioxidant and antimicrobial activities.

Web page: <http://bmfv.uclm.es>

The research group has been involved in several projects. Right now is running two national and one regional research projects:

- Phytochemical characterization of traditional Spanish plants used in folk medicine.
- Omics technologies for the identification of the key players involved in the biosynthesis and regulation of plant apocarotenoids.
- Antimicrobial and antioxidant activities of garlic extracts for their implementation on bioactive polymers.

Expertise offered (related to the topic)

The research group has large expertise in research activities related to plant secondary metabolites, molecular biology, biotechnology, genetics, biochemistry and physiology.

Web page: <http://bmfv.uclm.es>

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

No previous experience in European Framework Programmes. At the moment only R&D projects at national and regional level.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

Address: Edif. ITQUIMA - Av. Camilo José Cela s/n . Campus Universitario

Postcode: 13071

City: CIUDAD REAL

Country: SPAIN

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Partnership Profile

 **UNIVERSITY OF GASTRONOMIC SCIENCES/ SYSTEMIC FOOD DESIGN RESEARCH UNIT**

R&D Institution

*PROFILE from Italy
(15IT140)*

TOPIC OF INTEREST

TOPIC

SFS- 8 - 2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Gastronomic Sciences, founded in 2004 by the international non-profit Slow Food in cooperation with the Italian regions of Piedmont and Emilia-Romagna, is a ministerially recognized, private non-profit institution.

Its goal is to create an international research and education center for those working on renewing farming methods, protecting biodiversity, and building an organic relationship between gastronomy and agricultural science.

Relevant projects:

2010-2012 Poliedro , Pollenzo Index Environmental and Economics Design funded by Piedmont Region

2011-2013 Pollenzo's Index funded by Turin Commercial Chambre

2010-2012 People Interaction with Enhanced Multimodal Objects for a new territorial experience- Want-eat, funded by Piedmont Region

2012-2013 Systemic Food Design funded by Comieco

Expertise offered (related to the topic)

Systemic design according the principle of circular economy to optimise food production, processing, commercialisation systems

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Eco- Packaging (primary, secondary and tertiary)

Interaction with smart objects (App, augmented reality, QR code, App, website, Innovative Social Network)

Design of Eco-events

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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Partnership Profile

 **UNIVERSITY OF TURIN-DISAFI- TEAM POST-HARVEST TECHNOLOGY AND SUPPLY CHAIN MANAGEMENT**

R&D Institution

*PROFILE from Italy
(15IT141)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

The aim of the research team on "Post-harvest technology and supply chain management" is to improve the sustainability of the fruit and vegetable supply chain by optimizing their quality and shelf life mainly through the use of post harvest technology. The driver of all research's activity is the adoption of innovation in the management of fruit production and process that can be able to fulfill sustainability criteria. Smart integration of multidisciplinary aspect such as physiological, safety, and instrumental and sensory quality measurement concepts is essential to develop the most effective handling procedures and innovative technologies for maintaining quality and shelf stability of fruit products. Most of research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

Main topics

1. Physiology and post harvest quality
2. Storage management and packaging systems
3. Fresh-cut physiology and storage
4. Edible coating
5. Sustainability in the supply chain

Relevant R&D projects:

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2010-2012 Fruitgest project: quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest step funded by Piedmont Region through EU structural funds, participation as partner's project.

2010-2013 Vivopack: valorisation of Made in Italy agro-food products within the call new technologies for the made in Italy funded by the Italian Ministry of Economic Development, participation as partners' project.

2011-2014 F. & F. Biopack: research and development project on eco-sustainable packaging funded by Piedmont Region through EU structural funds, participation as partner's project

Expertise offered (related to the topic)

1-The team perform research on Physiology and post harvest quality: By studying the metabolism of the products has been possible to model the physiological behaviour of species and new varieties introduced on the market throughout the supply chain according to the different cropping and storage systems adopted. Non-destructive techniques (NIR spectroscopy and gas chromatography) are pulled alongside the traditional monitoring techniques to search and identify specific quality indicators throughout all phases of the value chain, with particular attention to the evolution of nutraceutical components and the "wishes" of the final consumer.

2 - Storage management and packaging systems: Emerging critical aspects of postharvest along the supply chain are managed for each product fruit by controlling and integrating parameters of temperature and humidity on the composition of the atmospheres of the different storage environments. The study of active and passive MAP systems has allowed us to extend the shelf life and marketability of products with high perishability. . About our research on packaging we have studied innovative and sustainable packaging materials (films, trays, nets, baskets) that can add value to the post harvest products and processes.

3 - Fresh-cut physiology and storage: minimally processed fruit have shorter shelf life and high perishability than the whole counterparts because they are more sensitive to enzymatic browning and tissue softening; so it is necessary to combine the action of different substances with refrigeration, packaging and atmosphere (active and passive MAP) in order to preserve the visual quality of fresh-cut fruit. The prevention of enzymatic browning and loss of firmness is achieved using dipping treatments containing antibrowning agents such as antioxidants or acidulants, associated with different calcium treatments and different packaging (active and passive MAP).

4 - Edible coating: coatings on fruits (minimally processed or whole) create a semipermeable barrier to external elements that can reduce moisture loss, solutes migration, respiration and oxidative reaction rates. Our studies regard different types of coating (vegetable or animal) and applications.

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The coatings can be associated with active substances (antimicrobials, antioxidants, maturation inhibitors) to improve and extend the shelf life of fruits.

5 - Sustainability in the post-harvest supply chain: LCA methodology, sustainability indicators multi-criteria analysis are applied to the most important sectors of the fruit production

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES378)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork ,Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 6006

City: Badajoz

Country: Spain

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Telephone: 34924014600

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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES142)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects where FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

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The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD)):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Previous FP experience

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



GRONCONSULT

Other organization(consulting,association,...)

*PROFILE from Denmark
(15DK143)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Gronconsult is a consultancy lead by Arne Grønkjær Hansen. Mr. Hansen has a profound experience within agricultural development and management including 9 years experience in project management and extension service.

He is advisor for the Danish Ministry of Environment on emission abatement in agriculture. Teacher on agricultural school for 4,5 year on farm management, housing design and logistics. Additionally, he has extensive hands-on working experience advisory service in farm management including planning and design of animal housing and feeding.

Experience with planning and conduction of tests and verifications of environment technology i.e. for biogas production.

He has project management in skills developed through education and long experience in Danish Agricultural Advisory Service and approved technological institutes (Agrotech and DTI). Is and has been project manager in innovation projects concerning animal housing, animal welfare, environment protection, emission abatement, slurry treatment. Was representing Denmark in EU-Umbrella "Euroagrifoodchain" in the period 2008-2012.

Expertise offered (related to the topic)

Project management, dissemination and demonstration services.

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Previous FP experience

Project leader of BIOMAN (FP7 R4SMEs). Fundraising through Danish funds and EU funding (Eurostars programme/FP7 R4SMEs) - Areas: biomass treatment, biogas production, agriculture, environment protection.

Role in the project

Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES144)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

Arza is the advisory to many food businesses with diverse activities (milk and other dairy products , meat, canned vegetables, beekeeping, animal feed, liquor, etc) at its beginning and expansion nationally and internationally. In our advices, we promote the using of local products (covered by a quality label and they are made with techniques that respect the environment). We have extensive experience with the environmental impact studies, energy saving studies, critical analysis, waste management, market studies and with looking for market niches.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **ORTOFRUIT ITALIA (PRODUCERS' ORGANISATION P.O)**

Other organization(consulting,association,...)

*PROFILE from Italy
(15ES145)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ortofruit is a producers' association which was founded in 2003 by farmers and business people both inspired by a willingness to innovate and work jointly in the Piedmontese fruit and vegetable market. An entrepreneurial challenge for 500 farmers coordinated by 15 member cooperatives reaching a total volume of sale of 20.000 tons.

Thanks to accurate production, deep knowledge of final markets, flexibility and organization, nowadays Ortofruit Italia supplies the most prestigious chains in the Italian and foreign large distributors' markets, both with Private Labels and with the label Ortofruit Italia. Relevant R&D projects:

2010-2012 Fruitgest project: quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest step funded by Piedmont Region through EU structural funds, participation as partner's project.

2010-2013 Vivopack: valorisation of Made in Italy agro-food products within the call new technologies for the made in Italy funded by the Italian Ministry of Economic Development, participation as partners' project.

2011-2014 F. & F. Biopack: research and development project on eco-sustainable packaging funded by Piedmont Region through EU structural funds, participation as partner's project

Expertise offered (related to the topic)

Expertise and demonstration offered on:

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- quality optimization on fruit and vegetables products through the use of new technologies for the post-harvest
- eco-sustainable packaging for fruit and vegetables
- efficient use of resources during the post-harvest chain of fruits and vegetables products
- knowledge on fruit and vegetable markets

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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Partnership Profile



AMIRAM PORATH CONSULTING

Other organization(consulting,association,...)

*PROFILE from Israel
(15IL364)*

TOPIC OF INTEREST

TOPIC

SFS-8-2014/2015: Resource-efficient eco-innovative food production and processing

ORGANIZATION EXPERTISE

ENTITY PROFILE

General - One of the major challenges faced today by national economies is the slowdown in the world commerce. Since 2008 the international slowdown in the world trade has created a significant economic problem for different countries and regions.

The changes in the last decades that has given advantages to knowledge based and innovative economies, has placed the hopes of economic growth on R&D active organizations and SMEs. That outlook combined with the current situation make it very difficult for traditional sectors and therefore for economies based on such sectors, to maintain their growth ration, and even to grow at all. These traditional sectors (e.g. natural food raw materials, Furniture, and Jewellery) are now required to innovate, but lack both the managerial capacity and the financial support.

At the same time pressure is being applied to research organizations for them to further their contacts in the community and to assist the growing economy by facilitating technology transfer and innovation transfer to the firms. APC currently consults the Chief Scientist of the ministry of Economic Development (formaly industry and trade) in SIsrael, as well as companies seeking strategic development.

Expertise offered (related to the topic)

The service APC proposes, is focused on assistance to the development of Innovation systems, promote R&D in different sectors, in a specific region by analysing the needs, developing a

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comprehensive system and training their existing management in innovation management, including for example facilitating Technology Transfer activities in cooperation with the research institutions to allow for improved competitiveness and to remove the barriers for future cooperation between the local partners, by creating a positive experience. This activity will help to create R&D capabilities in the companies involved, and to further encourage them to acquire and assimilate new technologies.

The expertise of Dr Porath, the CEO of APC is demonstrated in the following sections and can also be followed using his publications (see Amiram Porath on Amazon.com). The involvement here should focus on the management / policy / standardization issues as well as the general management of the activity, routine creation and methodology.

Previous FP experience

2011 – 2012 SBA Mapping project phase II – National Consultant

2010 – 2011 SBA Mapping project – National Consultant

2009 – 2010 METRIS Country Correspondent

2008 – 2009 ERAWATCH Country Correspondent

2006 – 2008 Administrative Coordinator of DNA devices – an FP6 project.

2002 – 2005 Administrative Coordinator of DNA as Nanowires – an FP5 project.

2001 – 2004 Country Coordinator of the European Jewellery Institute – a virtual centre under FP5 in Jewellery technology.

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES146)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusinesses. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

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We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We perform the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, Advances analytical techniques in food studies (MS/MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation and packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training courses and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

CTAQUA has participated in national and regional projects related to the prevention and treatment of parasite infections in farmed fish raised in earthen ponds in Spain. CTAQUA has carried out several projects related to diseases of cultured fish species:

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- “Evaluation of the efficacy of commercial vaccines for fish: case study, Gilthead seabream (*Sparus aurata*), European seabass (*Dicentrarchus labrax*) and Senegalese sole (*Solea senegalensis*) against *Photobacterium damsela* subsp. *Piscicida*”,
- “Study of the etiology of the petechial rash in Gilthead seabream *Sparus aurata*”,
- “Best practices for fish culture in earthen ponds to eradicate or minimize the impact of gill parasites”
- “Control and monitoring of gill parasites in fish cultured in earthen ponds”.

Preventive treatments based on balanced feed formulation and application of different probiotic treatments were evaluated.

Skills: CTAQUA staff has extensive experience in follow up of field trials, samplings and application of treatments at the farm level. Likewise, they have experience in vaccination trials and challenge tests with marine fish.

Facilities:

CTAQUA counts with an Experimental Center to conduct fish trials under strictly defined and controlled environmental conditions both in fresh and seawater species. The members of the Foundation provides an industrial field to complete the pilot trials developed in the Experimental Center and evaluate the impact of research in real production conditions.

Among the wet labs, CTQUA counts with a dedicated pathology lab, with a challenge room where bacteria and parasites can be used as pathogens. A microbiology room is also available.

- Farm application and evaluation of preventive measurements: use of feed additives to reduce and/or eradicate parasitic infestations
- Use of nutraceuticals and natural extracts in fish feed formulation as tools to control fish parasites
- Screenings of potential antiparasitic compounds from natural origins
- Design and application of husbandry practices on farm to diminish the effect of parasite infections

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).

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- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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E-mail: cristina.cabeza@juntadeandalucia.es

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Partnership Profile



AQUACULTURE TECHNOLOGICAL CENTER OF ANDALUCIA - CTAQUA

Technological Centre

*PROFILE from Spain
(15ES388)*

TOPIC OF INTEREST

TOPIC

SFS-10-2015 Tackling disease related challenges and threats faced by European farmed aquatic animals

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAQUA is a non-profit private foundation focused on applied research in aquaculture, innovation, sustainability and education within the aquaculture sector. We are in close contact with aquafarm companies (inland and offshore) and other related activities entities. CTAQUA gives support to aquaculture companies and creates a platform for collaboration between the research community and the private sector. This general objective is achieved by (1) providing services to the aquaculture community focused on the development of R&D projects, (2) applying new technologies in aquaculture companies, (3) transfer of knowledge from the academic sector to the industry and (4) promoting the application of the new markets standards in the actual aquaculture practices in the farms. Several farms, feed companies and equipment suppliers are part of the patronage of CTAQUA. The Foundation also operates an Experimental Centre to carry out lab and pilot trials in applied nutrition.

Ctaqua is involved in the project from the FP7 DIVERSIFY (KBBE-2013 GA N°603121)

Expertise offered (related to the topic)

The expertise of CTAQUA is based on its R&D experience within applied aquaculture studies (public and private funding) and on different projects developed in the area of aquaculture product marketing and market studies. Among others, CTAQUA is participating in projects for the development of vaccination programs for seabream and seabass as well as other projects related

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with the parasitic infections in land based aquaculture in earthen ponds. The project involves industrial farm fish producers. In the framework of contracted research, the Experimental Center of CTAQUA has conducted rearing trials under strictly defined and controlled environmental conditions seawater species. The members of CTAQUA provide an industrial field to complete the pilot trials developed in the Experimental Center and evaluate the impact of research in real production conditions.

Previous FP experience

Ctaqua has participated in various projects at national level concerning the interrelation between climate and aquaculture activities. Ctaqua is actually participating in DIVERSIFY, an EU funded project in FP/, KBBE-2013 GA 603121, "Exploring the biological and socioeconomic potential of new/emerging candidate fish species for expansion of the European aquaculture industry".

Role in the project

Research; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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Country: Spain

Contact person: Cristina Cabeza

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Partnership Profile



ALGATECHNOLOGIES

SME

*PROFILE from Israel
(15IL147)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals

ORGANIZATION EXPERTISE

ENTITY PROFILE

Algatechologies is a rapidly growing biotechnology company, specializing in the commercial cultivation of microalgae. Founded in 1998, Algatechologies is a world leader in the production and supply of AstaPure® - a premium natural astaxanthin - one of the world's most powerful antioxidants sourced from the microalga Haematococcus pluvialis.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: MATIMOP-ISERD

Organisation name: Israel-Europe R&D Directorate

Address: 29 Hamered St.

City: Tel Aviv

Country: Israel

Contact person: Uri Fishelson

Telephone: 972-3-5118171

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Fax: 972-3-5170020

E-mail: uri@iserd.org.il

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK148)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



DMC RESEARCH CENTER S.L.

SME

**PROFILE from SPAIN
(15ES149)**

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases

ORGANIZATION EXPERTISE

ENTITY PROFILE

DMC Research Center is dedicated to the development and manufacturing of a broad range of compounds and ingredients for the food industry. DMC Research Center was set up in 2005 from the R&D Department of DOMCA SAU, created in Barcelona in 1977 and subsequently moved to Granada in 1980. Since the set-up DMC has been developing new products that provide essential solutions in the food sector. Traditionally DOMCA has broad experience in the field of functional coatings and the preservation of dairy and meat products, and it also produces other mixtures of additives for agri-food industries.

The experience of DMC has allowed the diversification of research until the development of concrete solutions for any food sector. Since 1993, DMC's key research area has been on active principles with antimicrobial properties from natural sources, either of plant or microbial origin. The studies have looked at and developed valid alternatives for preservation in the food industry (dairy, meat, fruit and vegetable sectors, among others). DMC Research Center facilities include laboratories, applications and quality, of production lines, storage warehouses and offices. DMC Research Center has the most advanced production methods to ensure an efficient, uniform, top quality supply.

The Company has patents related to human and animal nutrition and collaborates with a number of national and international universities and research centers. It has been involved in more than 40

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National R&D Projects and has been involved as well in publications, 8 articles have been published by the company, five of them in international magazines

Expertise offered (related to the topic)

- 1.- Research and development of products from natural origin (vegetable or microbial), with biological capacity.
- 2.- Development of natural antimicrobials with a wide spectrum (antibacterial and antifungal) as preservatives in the food industry.
- 3.- Selective products against specific emergent foodborne pathogens (i.e. *Listeria monocytogenes* and *Campylobacter jejuni*).
- 4.- Natural additives as substitutes of the antibiotics used in animal feeding growth-promoters, including Aquaculture sector.
- 5.- Application of antagonist microorganisms for the control of diseases in post-harvest.
- 6.- Study of different supports for the dosage of the developed active principles and their inclusion in the appropriate systems.
- 7.- Development of natural products for disinfection of environmental industrial premises, as well as farming treatments (pre- and post-harvest).
- 8.- Study of potential applications in pharmaceutical industry, due to the antiviral power of some products developed.
- 9.- Advice services for concrete sets of problems, with personalised studies and search of solutions for different sectors of food industry.

Previous FP experience

DMC Research Center has a large experience in collaborative national projects and also has experience with the elaboration of FP projects.

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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E-mail: cristina.cabeza@juntadeandalucia.es

Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES150)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested

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already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES151)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works

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- Special machinery and vehicles
- Technical training courses
- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:
 - * Programming of PLCs and SCADAs.
 - * FAT tests
 - * SAT test, equipment control.
 - * Electrical engineering
 - * Fabrication of MCCs and Control Panels
 - * Commissioning
- Processes automation and machine control:
 - * Programming of PLCs and operator panels.
 - * Axis control systems with servomotors.
 - * Variable frequency drive.
 - * Instrumentation.
- Productivity control and traceability systems:
 - * SCADA programming
 - * PLCs programming with Ethernet connection to PC with Visual Basic.
- Computer vision:
 - * Quality control systems

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* Robot control systems with computer vision

- Robotics:

* Design and implementation of robotic systems

* Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

* Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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City: Sevilla

Country: Spain

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Partnership Profile



PRONAMAR. UNIVERSITY OF A CORUÑA

R&D Institution

*PROFILE from Spain
(15ES152)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals. B. [2015] Scientific basis and tools for preventing and mitigating farmed mollusc diseases

ORGANIZATION EXPERTISE

ENTITY PROFILE

General activity: Our group PRONAMAR (Marine Natural Products, website: www.pronamar.com) is integrated into the research group QOSBIOS at the University of A Coruña. The main goal of PRONAMAR is the search for new bioactive natural substances, mainly from marine organisms, and the development of their applications, either from themselves or from their derivatives through synthetic processes. In the last 8 years we are focusing on the study of siderophores from fish pathogenic bacteria in fish farming.

Relevant projects:

PROJECT: "Isolation and structural characterization of new siderophores produced by strains of *Vibrio anguillarum* pathogenic for turbot"

SPONSOR: Ministry of Education and Science (MAR99-0287) and Xunta de Galicia, (PGIDT00MAR10301PN), 2000-01.

PROJECT: "Synthesis and characterization of new antibacterial against strains pathogenic for turbot and clam, using the siderophores they produced by *Vibrio anguillarum* and *V. alginolyticus* as a model for their development" "

SPONSOR: Xunta de Galicia, (PGIDIT05RMA10302PR), 2005-07.

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PROJECT: "Isolation and structural characterization of the siderophores produced by *Photobacterium damsela* subsp *piscicida*, preparation of analogues and their application to the development of new antimicrobials"

SPONSOR: Ministry of Education and Science, (AGL2009-12266-C02-02P), 2010-12.

PROJECT: "PROJECT: "Comparative analysis of siderophore synthesis in the two subspecies of *Photobacterium damsela*: new methods for prevention and control of vibriosis and pasteurellosis in fish "

SPONSOR: Ministry of Economy and Competitiveness, (AGL2012-39274-C02-02), 2013-15

Expertise offered (related to the topic)

Isolation and structural identification of any kind of siderophores. We are using genome mining as the first step in the identification of the siderophores. We have developed and published the application of hydrophilic-lipophilic balance (HLB) cartridges in the isolation of very polar siderophores (see J. Chromatogr. A, 2011, 1218, 1790). We are developing new strategies in the structural elucidation of the relative stereochemistry of acyclic compounds using the J-based configurational analysis coupled with molecular modeling studies at DFT level (see J. Org. Chem., 2010, 75, 7227)

Synthesis and biological evaluation of siderophores and analogs.

Previous FP experience

"Studies on the Bacterial Stress response and stress-induced cross-resistance (Bacterial Stress)"

SPONSOR: (Marie Curie International Incoming Fellowship), VII Framework Program of the European Union, (PIIF-GA-2010-274660), 2011.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

Partnership Profile



RESEARCH GROUP: "MARICULTURE AND FISHERIES" (AGR247). CENTRO IFAPA AGUA DEL PINO

R&D Institution

*PROFILE from Spain
(15ES153)*

TOPIC OF INTEREST

TOPIC

SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS.

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Expertise offered (related to the topic)

The research group AGR247 has experience and training in the development of aquaculture in the southern European Atlantic coast. Our main skills focus on diversification of marine aquaculture of fish and molluscs and the characterization of major limiting diseases.

Particularly, we have capabilities to develop and improve molecular methods (PCR and ISH) for the diagnosis of diseases of fish and marine bivalve molluscs, in addition to mastering the techniques of classical histological and microbiological diagnosis. We have also skills in fish welfare and biochemical characterization of stressors associated with culture conditions. Moreover, we have practice in training and transfer.

Related to the topic B [2015] "Scientific basis and tools for preventing and mitigating farmed mollusc diseases". We have the experience and the ability to diagnose of major diseases of oysters, mussels and clams (*Bonamia* spp. *Marteilia* spp. , *Perkinsus* spp., etc.) and we can develop studies of distribution and molecular characterization of these parasites. We are currently working on the characterization and distribution of Oyster Herpes virus (OsHV-1) in southern European Atlantic coast.

Previous FP experience

International Projects

- "Cooperación transfronteriza para el desarrollo de buenas prácticas sanitarias en acuicultura marina" ("Cross-border cooperation for the development of good health practices in marine aquaculture") 0433_BONAQUA_5_E. Operational Programme for Cross-border Cooperation between Spain and Portugal (POCTEP, FEDER, EU) 2011-2014.
- "Establecimiento de una red de cooperación transfronteriza para la utilización de sistemas de producción ecológicamente sostenibles en acuicultura" ("Networking crossborder cooperation for use of environmentally sustainable aquaculture production systems") 0251_ECOAQUA_05_5. (POCTEP, FEDER, EU) 2008-2011
- International Research Contract (GENOMA ESPAÑA Y GENOMA CANADA): "Flatsfish genomics: enhancing commercial culture of atlantic halibut and senegal sole"(PLEUROGENE) 2004-2007.

Other National Projects:

- "Desarrollo de procedimientos para la prevención, diagnóstico y control de enfermedades bacterianas en el cultivo de la acedía (*Dicologlossa cuneata*)" . Proyecto RTA2005-00215-C03-00. 2005-008.

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-“La perkinsosis en el litoral español: caracterización de variantes taxonómicas del parásito, su ciclo de vida y la respuesta inmunitaria del hospedador”. Proyecto PERKPROGEN: AGL2006-11809/ACU. MEC, Plan Nacional I+D+I 2004-2007.

-“Viabilidad del Cultivo de Mejillón (*Mytilus galloprovincialis*) en Andalucía a partir de Semilla Producida en Criadero”P09-CVI-4796. Junta de Andalucía. Proyectos de Excelencia.

-“Utilización de Herramientas Moleculares en la Mejora del Cultivo del Lenguado (*Solea senegalensis*)” AGL2009-11872. Ministerio de Ciencia e Innovación Plan Nacional I+D+I 2008-2011.

-“Caracterización de la situación sanitaria del litoral español relativa a la infección por virus herpes en moluscos bivalvos y evaluación del impacto de la enfermedad”. HERPEMOL. Junta Nacional Asesora de Cultivos Marinos (JACUMAR). Ministerio de Agricultura, Alimentación y Medio Ambiente.

Patents

- De La Herrán, Roberto, Navas, José Ignacio, Ruiz Rejón, Manuel, Title: “Analysis of relationship among *Solea senegalensis* comprises amplified with primers specific for microsatellites; detecting the amplification of microsatellites; and comparing genotype of the test with the genotype of a second sample”. Patent number: WO2008148921-A1; ES2310137-A1; ES2310137-B1.

- López Fernández, José Ramón, Sparagano, Olivier Andre Ettore, Navas Triano, José Ignacio, De La Herrán Moreno, Robert. Title: “Método de identificación de los patógenos de peces: *Photobacterium damsela*, *Tenacibaculum soleae*, *Tenacibaculum maritimum* y *Vibrio harveyi*”. Patent number:: ES 2371976 B1

PhD theses related to the topic:

- Navas Triano, José Ignacio. “Principales patologías de la almeja fina, *Ruditapes decussatus* (Linnaeus, 1758), del litoral onubense con especial referencia a la parasitosis por *Perkinsus olseni* Lester y Davis, 1981: diagnóstico, transmisión y efectos sobre la almeja” . 2008. Universidad de Sevilla

- López Fernández , José Ramón. “Caracterización y desarrollo de métodos de diagnóstico molecular de bacterias asociadas a episodios de mortalidad en peces planos”. 2011. Universidad de Granada.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



ASCAMM PRIVATE FOUNDATION

Technological Centre

*PROFILE from Spain
(15ES155)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Consolidating the environmental sustainability of European Aquaculture.

ORGANIZATION EXPERTISE

ENTITY PROFILE

ASCAMM Private Foundation is a design and industrial production technology centre and a reference in Europe in respect of generating proprietary technology (9 families of patents of industrial application) for obtaining products with high added value, and attaining solutions for improving strategies and innovation management in enterprise. ASCAMM currently employs over 170 highly qualified staff in its 11,000 m2 high tech headquarters near Barcelona, Spain.

The research activities are organized under five great packages: Total product development, Manufacturing processes and production technologies, New Materials processing, Knowledge-based technologies and Industrial Sustainability.

ASCAMM has been beneficiary in 139 EU projects: 16 in FP6 (5 as coordinator) and 32 in FP7 (13 as coordinator). Currently ASCAMM participates in 26 ongoing EU projects.

Expertise offered (related to the topic)

One of the main research areas of the Knowledge Engineering Department is the development of data mining and machine learning methods applied to solve problems in many disciplines, mainly in industry and medicine. Our interests include clustering and subspace clustering in high dimensional data, classification, and decision support system (DSS). We have implemented different statistical models to control and predict the quality of industrial processes by analyzing both process parameters and material properties in different research projects that can be transferred to other application domains, such as aquaculture.

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The Industrial Sustainability department (ISD) in ASCAMM is devoted to applied research in the field of sustainability and environmental protection, energy efficiency and renewable energy. ISD is composed by experts who are able to offer innovation solutions to solve complex environmental challenges. ISD main research areas:

- Integrate environmental protection as a strategy of differentiation.
- Develop new concepts of environmental innovation and eco-efficiency.
- Analyze products, processes and services from a life cycle approach.
- Energy Efficiency and Environmental diagnosis.
- Identification of critical environmental issues.

Previous FP experience

2012-2015: "Feature-Based Design and Modelling for Injection-molding Optimization" (Desmold) (FP7-2012- FoF.NMP-314581)

2012-2016: "Multi-layers control&cognitive system to drive metal and plastic production line for injected components" (MUSIC) (FP7-2012-NMP-ICT-FoF-314145).

2013-2016: "Flexible and on-demand manufacturing of customised spectacles by close-to-optician production clusters" (OPTICIAN 2020) FP7-2013-NMP-ICT-FOF. (2013-2015).

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES156)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem- based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusinesses. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

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We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We perform the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS/MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation and packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

CTAQUA has a broad experience in the design and realization of formal documents related to the general planning for aquaculture programs. As well for the regional administration as for national administration, CTAQUA has performed different studies concerning the estimate of aquaculture activities in the region, it has also contributed to the national development of general aquaculture

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activities including main focus species for the sector and implementation of regional programs together with the Fisheries and Aquaculture Administration representative organisms. The entire members from CTAQUA are farmers and other related companies, so it is one of the main interests of the Foundation to participate with the administration in the development and implementation of sustainable aquaculture production programs.

At international level, CTAQUA is developing the aquaculture coastal spatial planning program of the South Moroccan coast (Dakhla region), including operations of some aqua related activities (processing, distribution, etc...)

Skills: Actually CTAQUA staff is responsible for the establishment of aqua culture production zones in the Dakhla region, Morocco

PROPOSED ACTIVITIES

- Analysis of the institutional and organizational context of aquaculture production
- Definition of indicators for the sustainability of aquaculture in the area

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



**AQUACULTURE TECHNOLOGICAL CENTER OF ANDALUCIA
- CTAQUA**

Technological Centre

*PROFILE from Spain
(15ES389)*

TOPIC OF INTEREST

TOPIC

SFS-11-2015 Implementation of an Ecosystem based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAQUA is a non-profit private foundation focused on applied research in aquaculture, innovation, sustainability and education within the aquaculture sector. We are in close contact with aquafarm companies (inland and offshore) and other related activities entities. CTAQUA gives support to aquaculture companies and creates a platform for collaboration between the research community and the private sector. This general objective is achieved by (1) providing services to the aquaculture community focused on the development of R&D projects, (2) applying new technologies in aquaculture companies, (3) transfer of knowledge from the academic sector to the industry and (4) promoting the application of the new markets standards in the actual aquaculture practices in the farms. Several farms, feed companies and equipment suppliers are part of the patronage of CTAQUA. The Foundation also operates an Experimental Centre to carry out lab and pilot trials in applied nutrition.

Ctaqua is involved in the project from the FP7 DIVERSIFY (KBBE-2013 GA N°603121)

Expertise offered (related to the topic)

The expertise of CTAQUA is based on its R&D experience within applied aquaculture studies (public and private funding) and on different projects developed in the area of aquaculture product marketing and market studies. Among others, CTAQUA has developed an innovative project

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concerning the evaluation of integrated multitrophic aquaculture for cage farming. The project involves industrial farm fish producers. 'The Experimental Center of CTAQUA has conducted rearing trials under strictly defined and controlled environmental conditions for seawater species. The members of CTAQUA provide an industrial field to complete the pilot trials developed in the Experimental Center and evaluate the impact of research in real production conditions.

Previous FP experience

Ctaqua has participated in various projects at national level concerning the interrelation between climate and aquaculture activities. Ctaqua is actually participating in DIVERSIFY, an EU funded project in FP/, KBBE-2013 GA 603121, "Exploring the biological and socioeconomic potential of new/emerging candidate fish species for expansion of the European aquaculture industry".

Role in the project

Research; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK157)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Consolidating the environmental sustainability of European Aquaculture.

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

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Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES158)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrates, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the

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recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with a heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has always felt at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: results integrated in REDIAM Portal,

<http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeals to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

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Expertise offered (related to the topic)

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic SFS 11 - 2014/2015: Implementation of an Ecosystem-based approach for European aquaculture that envisage projects that provide operational tools for spatial planning (including Geographic Information Systems, remote sensing and mapping for data management, analysis and modeling, decision-support tools).

We think that the initiatives promoted are really challenging for an organization like Geographica: We are specialized in advanced geospatial technology and software solutions that integrates, analyze, and display data (for desktop, web and mobile); We are experts data integration within custom software developments. First we understand the data and second we integrate them into a personalized software, ranging from the quick and simple to the specific application with high functionality; We use the latest technologies in geographic information systems to geolocalize data and show them in a clear and tidy way, with high-end functionality.

Because of our cross-cutting expertise we think we could fit in a large range of projects under this topic, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

We have participate in a international projet (MedMIS) which scope was very similar to those that this topic address, we have deployed a solution for the International Union for the Conservation of Nature (IUCN) in the context of the MedPAN North project (URL: <http://www.iucn-medmis.org>)

For MedMIS project we have developed an online information system and a mobile application for monitoring invasive non-native species in Mediterranean Marine Protected Areas (MPAs).

It contains information on the pathways and impacts of major marine species that have invaded the Mediterranean Sea, their distribution on MPAs and how to monitor and identify them as well as what can be done to prevent their establishment and spread in the MPA's environment. it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators . This new

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information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

We have experience contributing to European Project´s consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user´s forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)

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- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Dissemination; Other

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Partnership Profile



ISOIN

SME

*PROFILE from Spain
(15ES159)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

ISOIN (www.isoin.es) is a Spanish SME working in Information Technology field, with deep experienced and a high qualified labour in software development, ambient intelligence, mobile communications and system integration. ISOIN has been developing, for years, high quality products for its customers, doing consultancy services, analysing the ICT market, and providing training to public and private companies. ISOIN workforce is composed by a multidisciplinary team ranging from different areas of engineering (mechanical, telecommunications, computer science, economics and agricultural sciences) being spread out Spain, Italy and Colombia. At the same time, research and development have been one of ISOIN main aims in order to continue improving its solutions and services to its customers. Hence ISOIN has been participating in National and European R&D projects for more than ten years, starting back in FP5 at European level and never stopping since then. ISOIN has several on-going projects in different European calls (FP7, AAL, EUROSTARS), and national ones, developing innovative solutions for adding value to our products and services. Some of these projects and its key-words are:

- FORSAT - A satellite image processing platform for high resolution forest assessment.
- DIET4Elders - A system that collects data regarding the older adult's self-feeding activities and generate a response based on a prescribed diet.
- COIN - Collaboration and Interoperability services based on cloud computing and SaaS.
- T&TNet - Travel & Transport solutions through emotional-social NETWORKING aimed at elderly.

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Expertise offered (related to the topic)

The applications of ICT for this topic are quite board:

- Software engineering and software development of platforms, interfaces, DSS, etc.
- For the management of data we can provide Cloud Computing, Data Mining, image data storage platform Ontologies, etc
- We can develop platforms for Smart Environments (Wireless Sensor Networks, Z-wave, OSGi, Devices Profile for Web Services, etc)

ICTs can provide and manage extensive information that can be stored and accessed online. ISOIN has an extensive experience in OpenGIS solutions developed for different projects and necessities. This solution can be adapted for aquaculture

ISOIN counts in a previous experience thanks to FORSAT "A satellite image processing platform for high resolution forest assessment," is a project to raise the current technological capacity of aerial imagery combined with airborne laser scanning for forest cover mapping applications to a stand-alone, satellite-based monitoring capacity, where ISOIN is a partner.

Previous FP experience

ISOIN´s count on a long track of experience in coordinating and participating in European projects in many different R&D programmes, but specifically in Framework Programme ISOIN has been involved in:

FP5-OLIMP3D: 3D technologies applied to industrial design and modelling of industrial products for SMEs

FP6-CADPIPE: Cad Production Pipeline

FP6-ECOLEAD: European Collaborative networked Organizations LEADership initiative

FP7-COIN: Enterprise Collaboration & Interoperability

FP7-MyUI: Mainstreaming Accessibility through Synergistic User Modelling and Adaptability

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES160)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

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E-mail: galactea@cisgalicia.org

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES161)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

* Design and implementation of robotic systems

* Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

* Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT162)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Consolidating the environmental sustainability of European Aquaculture.

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research is focused in the following items:

- Impacts of land use on communities dynamics (namely fish, macroinvertebrate and plankton)
- Impacts of land use on nutrient dynamics and on water quality
- Effects of environmental changes (e.g. precipitation, hydrology) on communities and on ecosystem integrity
- Interactions between aquatic communities (e.g plankton/ macrophytes,
- Aquatic ecosystems conservation and management
- Development of natural algacides/ water treatment by plants

Example projects:

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Initial ecological characterization survey- Serra do reboredo/Torre de Moncorvo iron ore deposit project. ERM Iberia S.A. Rio Tinto Iron Ore. (componente Fauna)

Technical and scientific support to "Technical assessment of the Portuguese National Programme For Dams with High Hydropower Potential (PNDEPH)". For ATECMA/ARCADIS BE/ European Commission Consortium.

Fieldwork to assess the occurrence of algal blooms. Characterisation of phytoplankton and zooplankton communities. The influence of some environmental parameters in those communities. Possible solutions to control the excessive algal development. Bio Piscinas, Lda, Aljezur Portugal

Example publications:

Geraldes, A M e George, C. 2012: Limnological variations of a deep reservoir in periods with distinct rainfall patterns. Acta Limnologica Brasiliensia 24: 417-426

Geraldes, A M e M J Boavida, 2007 : Zooplankton assemblages in two reservoirs: One subjected to accentuated water levels fluctuations, the other with more stable water levels. Aquatic Ecology 41:273-284.

Geraldes, A M e M J Boavida, 2005: Seasonal water level fluctuation: Implications for reservoir limnology and management. Lakes and Reservoirs: Research & Management. 10: 59-69.

Geraldes, A M e M J Boavida, 2004: How important are emergent macrophytes to crustacean zooplankton in a meso-eutrophic reservoir? Limnetica 23:57-64.

Geraldes, A M e M J Boavida, 2004: Limnological variations of a reservoir during two successive years: One wet, another dry. Lakes and Reservoirs: Research & Management. 9:143-152.

Geraldes, A M e M J Boavida, 2004: What factors affect the pelagic cladocerans of the meso-eutrophic Azibo reservoir? Ann. Limnol. – Int. J. Lim. 40: 101-111.

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)

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- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Training; Tech. Development; Dissemination; Demonstration; Other

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**REGIONAL CENTRE FOR WATER STUDIES - CREA -
CASTILLA LA MANCHA UNIVERSITY**

R&D Institution

*PROFILE from SPAIN
(15ES163)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Consolidating the environmental sustainability of European Aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Wetlands Section of the Regional Centre for Water Studies (CREA) is an active contributor to the CYTEMA Campus of International Excellence for Environment and Energy of Castilla-La Mancha University. As such, it was responsible for the Lakes and Wetlands Chapter of the Spanish Project for Millennium Ecosystem Assessment that is based on the application of the ecosystem approach. Together with this unique experience, the research group maintains a compromise with stakeholders in developing integrated tools for impact assessment of aquaculture production by applying a combined approach of field-work, simulation, and experiments, i.e.: i) Continuous monitoring in situ by a complete infrastructure that allows early diagnostic and real-time GSM alarm of potential impacts, ii) Time-dynamic modelling to assess the different compartments and processes providing ecological services related to aquaculture, and iii) Demonstration projects in the Pilot Plant for Ecological Engineering Projects in Aquatic Ecosystems, consisting of different mesocosms set-ups where a wide variety of experiments can be run. This approach proved to be very fruitful dealing with the problems recorded by the Water Authority of the Guadiana Catchment in El Vicario and Gasset reservoirs (Central Spain, neighbor to Ciudad Real city), where huge production of ciprinids is threatened by periodic kills with what we showed that are events of combined sublethal values of a set of stressors (anoxia, hydrogen sulfide, ammonium...) and/or related to cyanobacteria blooms. In addition, we are recently dealing with the effects of climate change on the invasion of Mediterranean fisheries by cyanobacteria species formerly considered as having a tropical distribution.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

The research group's expertise offered related to the topic are the Integrated tools for impact assessment of aquaculture production by applying a combined approach of field-work, simulation, and experiments, i.e.: i) Continuous monitoring in situ by a complete infrastructure that allows early diagnostic and real-time GSM alarm of potential impacts, ii) Time-dynamic modelling to assess the different compartments and processes providing ecological services related to aquaculture, and iii) Demonstration projects in the Pilot Plant for Ecological Engineering Projects in Aquatic Ecosystems, consisting of different mesocosms set-ups where a wide variety of experiments can be run. In addition, our integration into a centre where technical disciplines are taught allow us to offer good opportunities for formation at different levels, from vocational training to postdoc, including graduate and Master formation. We are also strong in dissemination activities, through our participation as Collaborative Focal Point in the GEMS-Water Program of the UNEP and the Coordination of the Group on Climate Change of the Spanish Platform of Environmental Technologies (PLANETA).

Previous FP experience

In the field of wetlands assessment, the research group has participated in several EU R&D projects, like FAWE I and II, and PROTOWET. More recently, we have participated in the project WATCH, dealing with risk assessment of both water quality and quantity. Last, but no least, is international cooperation for development, including three projects with Argentina, Brasil and Morocco institutions, dealing with i) integrated planning of the Mar Chiquita watershed, where fisheries provide increasingly important ecosystem services, once tourism decreased by climate change, ii) wetlands assessment in floodplain systems of the Dos Sinos river, and iii) ecosystem management and planning of reservoirs, respectively.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



RESEARCH GROUP: "DINÁMICA FLUVIAL E HIDROLOGÍA" (TEP-248). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from SPAIN
(15ES164)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Cordoba, founded as such in 1972, has its roots in the Free University of the province of Cordoba in the late nineteenth century and has ancient studies such as Veterinary, unique in Andalusia. The dynamism of the UCO due to its youth and average dimensions - 21,000 students, 1,600 teachers and 700 employees - has helped to get to the twenty-first century as a high quality teaching and scientifically sound University. Since 2009, the University of Cordoba leads the Agrifood Campus of International Excellence (CeIA3), a project to modernize and internationalize the participating universities towards a sustainable production model based on knowledge.

Lecturers and researchers of the UCO, apart from lecturing among its more than 90 undergraduate and graduate degrees, lead about 200 research projects at international, national and regional levels of up to 28 millions of Euros. Similarly, there are 190 research groups whose average scientific output reached the 3,170 publications in the last three years.

The River Dynamics and Hydrology Group, works in the integrated management of watersheds and coastal areas and has certain experience in erosion studies. The Group has participated in 15 projects of public and private calls with a total of 74 publications in the last five years. A result of the researching activities is WiMMed, a free software distributed hydrological model for Mediterranean watersheds that includes the simulation of water flows and associated sediment and other substances fluxes. The Group collaborates with the Andalusian Water Agency in participation actions, training and transfer. Thus, the Group has been recently awarded with the Award for Knowledge Transfer of the UCO Social Council UCO in its third edition.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

One of the main lines of research of the Group is the assessment of the hydrological response of a certain area in terms of water quantity and quality. The non-point source pollution model developed by the Group together with the prediction of water quality parameters through remote sensing techniques constitute DSS that can be used to forecast and ensure the high quality water required for European aquaculture operators. Besides the Group has broad experience in environmental flows assessment to ensure the sustainability of the original ecosystem in inland waters. In this way, a tool for the assessment of environmental flows with operational criteria has been developed and could be used in risk analysis.

Previous FP experience

The Group has participated in two previous projects of the FP: 1) Integrated Management of Mediterranean Watersheds of the BVM INTERREG III-B MEDOCC call and 2) Novel Integrated water management system for southern European regions (NOVIWAM) of the FP7 Regions of knowledge call.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GRONCONSULT

Other organization(consulting,association,...)

*PROFILE from Denmark
(15DK165)*

TOPIC OF INTEREST

TOPIC

SFS-11-2014/2015: Implementation of an Ecosystem-based approach for European aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

Gronconsult is a consultancy lead by Arne Grønkjær Hansen. Mr. Hansen has a profound experience within agricultural development and management including 9 years experience in project management and extension service.

He is advisor for the Danish Ministry of Environment on emission abatement in agriculture. Teacher on agricultural school for 4,5 year on farm management, housing design and logistics. Additionally, he has extensive hands-on working experience advisory service in farm management including planning and design of animal housing and feeding.

Experience with planning and conduction of tests and verifications of environment technology i.e. for biogas production.

He has project management in skills developed through education and long experience in Danish Agricultural Advisory Service and approved technological institutes (Agrotech and DTI). Is and has been project manager in innovation projects concerning animal housing, animal welfare, environment protection, emission abatement, slurry treatment. Was representing Denmark in EU-Umbrella "Euroagrifoodchain" in the period 2008-2012.

Expertise offered (related to the topic)

Project management, dissemination and demonstration services.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

Project leader of BIOMAN (FP7 R4SMEs). Fundraising through Danish funds and EU funding (Eurostars programme/FP7 R4SMEs) - Areas: biomass treatment, biogas production, agriculture, environment protection.

Role in the project

Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES166)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

The Food Science and Safety Dpt. of CTAEX has a vast expertise in the isolation, identification, quantification and evaluation of specific active compounds existing in aromatic and medicinal plants as well as agro-food industries residues and by-products, and consequent employment with agricultural, feed, food, packaging, pharmaceutical and cosmetics purposes, such as:

- Extraction and stabilization of omega-3 lipids and natural antioxidants in feed, food and cosmetic applications.
- Employment of biocide extracts of vegetable species to be used against weeds, biological agents and pests during cultivation of legumes, cereals and fruits and vegetables crops.
- Evaluation of biocides as postharvest treatment agents.
- Substitution of chemical preservatives in food products by direct application or incorporation in the packaging.

In other cases, the Department has employed the techniques needed in the development of functional studies where plant extracts / agro-food residues are analyzed according to protocol screening methodologies (antioxidant, anti-inflammatory, anti-biocide, etc.), depending on the composition of their bioactive chemo type.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society '11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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Partnership Profile



**FOUNDATION OF AUXILIARY INDUSTRY OF AGRICULTURE,
TECNOVA FOUNDATION**

Technological Centre

*PROFILE from Spain
(15ES167)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Foundation for Agricultural Auxiliary Technologies (TECNOVA Foundation) is a Centre of Technology Innovation Support on a national level. Furthermore, is a non-profit making private institution having legal personality currently made up of 125 companies belonging to the agricultural industry and auxiliary services, postharvest and packaging as well as administrations, entities privates and publics.

In TECNOVA, we count on an innovation department responsible for the administrative and economic management of R&D&I projects which are developed in the centre. Since 2001, date in which the Foundation was developed, the projects have been overcome the hundred.

Research and services department

Tecnova rely on two important research zones:

- Horticultural Production Technology (TPH)
- Postharvest and Packaging Technology (TPE)

Expertise offered (related to the topic)

Postharvest and Packaging Technology

Postharvest consulting

- Advice regarding the implementation of the APPCC system.

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- Optimisation and monitoring of food quality management systems.
- Innovation studies on agro-industrial processes (preservation, transport conditions etc.)
- Market research (new products, trends etc.).
- Electronic fruit: determination of major points of impact during handling and design optimisation.
- Studies on respiration rates (metabolic study on plants).
- Characterisation of varieties.

Non-destructive analysis techniques

- Measurement of biofunctional compounds in fruit and vegetable products.
- Characterisation of diverse attributes of fruit and vegetable products and in real time.
- Calibration and validation of quality parameters in fruit and vegetable products using NIT technology ($^{\circ}$ Brix, pH, firmness, moisture, etc).

Packaging studies

- Product shelf life: microbiology and sensory quality.
- Optimization of packaging conditions.
- Modified atmosphere evolution inside containers for fresh and ready prepared products.
- Physical-chemical parameter evolution: texture, colour, firmness, etc.
- Biofunctional compound evolution.
- Nutritional composition evolution.

Ready-prepared and ready-cooked products.

- Establishing shelf life.
- Microbiological control.
- Nutritional composition.
- Packaging optimization.
- Intelligent packaging.
- Labeling studies.

Previous FP experience

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"Reducing mineral fertilizers and agro-chemicals by recycling treated organic waste as compost and bio-char products" "FERTIPLUS". This is a collaborative research project within the cooperation and thematic zone of agriculture, nutrition and biotechnology, KBBE.2011.1.2-02, from the 7th Framework Program (FP 7) FP7. Tecnova participates as a leader of a work package focused on the life cycle analysis. "Lactic acid bacteria and other microorganisms antagonists as preservatives in minimally processed fruit and vegetables" "BIOSAFOOD" funding by Eurotransbio under ERA-NET scheme FP7 tool for research, technological development and demonstration of the European Union.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile

 **TECNOGRANDA SPA**
Technological Centre
PROFILE from Italy
(15IT168)

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

TECNOGRANDA is the first innovation cluster for the agro-food and nutrition technology research in Piedmont, offering a wide range of tools to satisfy all compartment needs: innovation and R&D, technological transfer, enterprise services, spin-off, start-up and easy contact with public and private funds.

TECNOGRANDA, supported by mixed public and private funds, joins a regional network of technological innovation centers, sharing knowledge and technological tools and promoting Technology Transfer activities focused on process & product innovation.

TECNOGRANDA helps enterprises identifying their actual needs in terms of innovation, gathering internal skills or as aggregation centre between numerous academia and research centers. TECNOGRANDA coordinates and realizes research and innovation projects. As manager of the agri-food innovation cluster, Tecnogranda gathers more than 420 companies in Piedmont Region, mostly SMEs, active in all the fields of food technologies (traceability and logistics, food processing, food products,), thus representing a wide potential of dissemination and exploitation.

Technological platforms available in TECNOGRANDA concern traceability systems, nanotechnology and materials processing, innovation in packaging, innovative technologies for food/package sanitization, such as cold plasma, microwaves, ozone, etc.

Expertise offered (related to the topic)

Experience was gained in the field of several R&D and TT transfer projects regarding:

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- decontamination of fresh food (rice, hazelnuts, milk, dry fruits) from mycotoxins by means of non conventional techniques (cold atmospheric plasma, MW)

Previous FP experience

Experience in EU projects:

- Interreg ALCOTRA "FASST" project (2009-2010), partner.
- Interreg ALCOTRA "Eco-Extraction Transfrontaliere" project (2011-2013), partner.
- Public Health "SALUX" - A EUROPEAN NETWORK TO FOLLOW-UP THE REFORMULATION OF MANUFACTURED FOODS IN TERMS OF THE REDUCTION OF THE LEVELS OF FAT, SATURED AND TRANS FAT, SALT AND SUGAR, Project Coordinator.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK169)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be

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made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

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Partnership Profile



COMMUNIQUE

SME

*PROFILE from Denmark
(15DK170)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

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Partnership Profile

 **CRPV (CENTRO RICERCHE PRODUZIONI VEGETALI - CROP PRODUCTION RESEARCH CENTRE)**

SME

*PROFILE from Italy
(15IT171)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

CRPV (Crop Production Research Centre – www.crpv.it) is a cooperative company located in Cesena (Po Valley, Northern Italy), registered as a SME, developing research on crop production, through four main topics: a) fruit, vegetables, seeds, floriculture; b) viticulture, oenology, olive oil; c) cereals, beets, oilseed crops; d) bio-energy. CRPV members are producers associations, institutes for technical assistance and professional education, provincial administrations and economic organizations. CRPV, registered in EU as a SME, in 1998 received the acknowledgment by Emilia-Romagna Region as centre for planning, research co-ordination, experimentation and results' diffusion.

Its mission is to promote, coordinate and manage research and experimental projects on agro-food sector and spread the emerging results to the agricultural production system. The beneficiaries are agro-food producers and stakeholders. CRPV main activities carried out are: a) research for sustainable crop protection for organic and integrated crop production, b) genetic improvement & patents (Plant Breeders' Rights) management, c) research for production's optimization and integrated production guidelines, d) ICT applications, e) bio-energy development, f) economic analyses for farmers, g) planning & testing biomasses for bio-energy production, h) supporting producers in quality & traceability certification process, i) results' dissemination & technologies transfer, j) experimental field activities and assessments on IPM and biological control of pests/pathogens affecting crops, weeds control. CRPV has availability of facilities like experimental vineyards, orchards, greenhouses, equipped laboratories for chemical, biochemical, bio-molecular

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and microbiological analyses. Other Services: technology transfer, data bank management, guidelines for IPM application updating, new variety production, tracing of supply chain, accounting and administrative support.

Expertise offered (related to the topic)

CRPV offers its know-how to reduce the risk of biological contamination represented by mycotoxins in viticulture and cereal productions (wheat and maize). In particular, the attention is focused on a multidisciplinary research project (agronomy, pathology, phytoiatry, microbiology, forecasting models ,enology) able to strengthen the knowledge on the factors influencing the formation of mycotoxins (ochratoxins, DON, aflatoxins and fumonisins) in order to identify the necessary tools to improve food security.

Other projects implemented by CRPV have regarded the following issues: monitoring activities on grain production for the definition of risk maps, agronomical and chemical control methods, modelling for the risk of contamination, decision support systems, and others.

Previous FP experience

CRPV at present is partner of a FP7 project, "MARS - Marker Assisted Resistance to Sharka" (FP7-KBBE.2013.1.4-7). The project (with a duration from 2013 to 2015) aims to boost the production of sharka resistant stone fruit cultivars by transferring the efficient and reliable procedures of MAS, conceived in a previous EU project "SharCo", to SMEs. The role of CRPV in the project is to contribute to the dissemination of project technologies and results and promotion of PPV resistant apricot cultivars, also providing a number of facilities, which include: a) experimental orchards (seedlings and selection fields); b) greenhouses and equipment for PPV phenotyping with most spread strains; c) equipped laboratories for chemical, biochemical, bio-molecular and microbiological analyses on fruit and vegetables.

Role in the project

Research; Training; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

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Partnership Profile

 **DMC RESEARCH CENTER S.L.**
SME
PROFILE from SPAIN
(15ES172)

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

DMC Research Center is dedicated to the development and manufacturing of a broad range of compounds and ingredients for the food industry. DMC Research Center was set up in 2005 from the R&D Department of DOMCA SAU, created in Barcelona in 1977 and subsequently moved to Granada in 1980. Since the set-up DMC has been developing new products that provide essential solutions in the food sector. Traditionally DOMCA has broad experience in the field of functional coatings and the preservation of dairy and meat products, and it also produces other mixtures of additives for agri-food industries.

The experience of DMC has allowed the diversification of research until the development of concrete solutions for any food sector. Since 1993, DMC's key research area has been on active principles with antimicrobial properties from natural sources, either of plant or microbial origin. The studies have looked at and developed valid alternatives for preservation in the food industry (dairy, meat, fruit and vegetable sectors, among others). DMC Research Center facilities include laboratories, applications and quality, of production lines, storage warehouses and offices. DMC Research Center has the most advanced production methods to ensure an efficient, uniform, top quality supply.

The Company has patents related to human and animal nutrition and collaborates with a number of national and international universities and research centers. It has been involved in more than 40 National R&D Projects and has been involved as well in publications, 8 articles have been published by the company, five of them in international magazines

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Expertise offered (related to the topic)

- 1.- Research and development of products from natural origin (vegetable or microbial), with biological capacity.
- 2.- Development of natural antimicrobials with a wide spectrum (antibacterial and antifungal) as preservatives in the food industry.
- 3.- Selective products against specific emergent foodborne pathogens (i.e. *Listeria monocytogenes* and *Campylobacter jejuni*).
- 4.- Natural additives as substitutes of the antibiotics used in animal feeding growth-promoters, including Aquaculture sector.
- 5.- Application of antagonist microorganisms for the control of diseases in post-harvest.
- 6.- Study of different supports for the dosage of the developed active principles and their inclusion in the appropriate systems.
- 7.- Development of natural products for disinfection of environmental industrial premises, as well as farming treatments (pre- and post-harvest).
- 8.- Study of potential applications in pharmaceutical industry, due to the antiviral power of some products developed.
- 9.- Advice services for concrete sets of problems, with personalised studies and search of solutions for different sectors of food industry.

Previous FP experience

DMC Research Center has a large experience in collaborative national projects and also has experience with the elaboration of FP projects.

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES173)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

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Partnership Profile



FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG

R&D Institution

*PROFILE from Germany
(15DE174)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

Fraunhofer-Gesellschaft is a leading organization of applied research and development in Germany. It gathers 60 research institutes with some 20.000 employees. Fraunhofer-Gesellschaft is working on research with industry, the service sector and the government.

Fraunhofer-Gesellschaft is actively involved in industrial consortia seeking technical solutions to improve the competitiveness of European industry, also with strong contact to another markets (e.g. China). The Institute of Molecular biology and applied Ecology (IME) conducts research in the field of applied life sciences from a molecular level to entire ecosystems. One of the major objectives in the business field "Food and Feed Safety" is to ensure high quality standards and safety levels for food including food quality assessments. Therefore research is dedicated towards the development of innovative detection procedures for the analysis of food and feed based on sophisticated reference analysis. These chemical and microbiological reference analyses are assured by an accreditation according to DIN EN ISO/IEC 17025:2005 and a certificate according to Good Laboratory Practice (GLP).

Expertise offered (related to the topic)

The department of Environmental and Food Analysis disposes of excellent technical equipment and highly qualified personal in biological and instrumental analytics. IME, together with its partners in the Fraunhofer Food Chain Management Alliance (FCM), is able to provide comprehensive solutions in this area for all stake-holders in the food chain and finally to the consumer. The department is run

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by a large staff-pool with decades of experience of all instrumental analytical skills in the food and environmental sectors.

The department counts with L2 and S1 facilities, and its certified to conduct GLP studies. We count with fully equipped molecular-and microbiological laboratories for:

- Species differentiation
- Microbial profiling
- Pathogens fast detection in food
- Gene expression analysis

Previous FP experience

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE175)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Institute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and development projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The department for Meat Technology has special interest in sustainability activities in the meat production chain including mechanically separated meat.

The department of Beverage Technology holds competences in research projects focussed on the development of functional beverages and fermentation technologies. Beverages can be produced from lab scale up to large scale of 500 L per batch. All important downstream technologies are available in large scale.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of

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ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT176)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Expertise on fungal isolation and identification from various matrices, mostly food (nuts, meat products and others), by polyphasic approach (morphological, molecular, spectral, physiological, mycotoxigenic)

Expertise on mycotoxin detection from food matrices, by TLC, HPLC and ELISA. Expertise on fungal ecophysiology and their responses to changing environments. Expertise on fungal taxonomy, mostly genera *Aspergillus* and *Penicillium*.

Selection of projects:

FCT PTDC_AGR-TEC_3107_2012 "QTradiSaus - Avaliação integral de estratégias de intervenção baseadas em risco para melhorar a segurança microbiana dos enchidos tradicionais portugueses (Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages)"

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QREN SI I&DT Co-Promoção nº 21511/2011 “BISOVICAP – Obtenção de novos produtos” (New food products development)

QREN SI I&DT Co-Promoção nº 13198/2010 CHESTNUTSRAD – “Tratamento alternativo de conservação de castanha” (Alternative treatments for chestnut preservation)

Selection of publications: Arita C, Calado T, Venâncio A, Lima N, Rodrigues P, 2014. Description of a strain from an atypical population of *Aspergillus parasiticus* that produces aflatoxins B only, and the impact of temperature on fungal growth and mycotoxin production. *European Journal of Plant Pathology* (online first). DOI: 10.1007/s10658-014-0438-1.

Rodrigues P, Venâncio A, Lima N, 2013. Incidence and diversity of the fungal genera *Aspergillus* and *Penicillium* in Portuguese almonds and chestnuts. *European Journal of Plant Pathology* 137: 197–209.

Soares C, Rodrigues P, Peterson S, Lima N, Venâncio A, 2012. Three new species of *Aspergillus* section *Flavi* isolated from almonds and maize in Portugal. *Mycologia* 104(3): 682-697

Rodrigues P, Venâncio A, Lima N, 2012. Mycobiota and mycotoxins of almonds and chestnuts with special reference to aflatoxins. *Food Research International* 48: 76-90

Rodrigues P, Santos C, Venâncio A, Lima N, 2011. Species identification of *Aspergillus* section *Flavi* isolates from Portuguese almonds using phenotypic, including MALDI-TOF ICMS, and molecular approaches. *Journal of Applied Microbiology* 111: 877-892

Soares C, Rodrigues P, Freitas-Silva O, Abrunhosa L, Venâncio A, 2010. HPLC method for simultaneous detection of aflatoxins and cyclopiazonic acid. *World Mycotoxin Journal* 3(3): 225-231

Gomes S, Dias LG, Moreira LL, Rodrigues P, Estevinho L, 2010. Physico-chemical, microbiological and antimicrobial properties of commercial honeys from Portugal. *Food and Chemical Toxicology*, 48:544-548

Rodrigues P, Venâncio A, Kozakiewicz Z, Lima N, 2009. A polyphasic approach to the identification of aflatoxigenic and non-aflatoxigenic strains of *Aspergillus* Section *Flavi* isolated from Portuguese almonds. *International Journal of Food Microbiology* 129: 187-193

Rodrigues P, Soares C, Kozakiewicz Z, Paterson RRM., Lima N, Venâncio A, 2007. Identification and characterization of *Aspergillus flavus* and aflatoxins. In: *Microbiology Book Series - Communicating Current Research and Educational Topics and Trends in Applied Microbiology* (Méndez-Vilas, A. ed.), Vol. 2, 527-534, Formatex 2007 (ISBN-13: 978-84-611-9423-0).

CIMO can also help in the identification of other stakeholders and/or partners for the proposal.

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Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)

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- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

Address: Rua de Sagres, 11

Postcode: 4150-649

City: Porto

Country: Portugal

Contact person: Bibiana Neves Dantas

Telephone: 00 351 22 616 7820

E-mail: eenetwork@adi.pt

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Partnership Profile



RESEARCH GROUP: "APPLIED MICROBIOLOGY AND MOLECULAR GENETICS" (BIO219). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from Spain
(15ES177)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

The group is composed by experts in genetics and microbiology and applies techniques of molecular genetics, genomics and proteomics to the authentication of food products and the production of sustainable food and nutrition security of several origins (aquaculture, agriculture and oenology).

Expertise offered (related to the topic)

Exploring Pathogenic Mechanisms of phytopathogenic fungi (*Botrytis cinerea* & *Colletotrichum acutatum*) by molecular biology and proteomic approaches: Applications to integral Management of fungal control diseases. Study and genomic characterization of wine yeast: wine production improvement

Previous FP experience

Projects

Design of formulations for the comprehensive control of fungal diseases in fruit and vegetable crops, vines and stored grape. Impact on the winemaking and aging processes of Jerez wines.

Improvement of the qualities of bread and wine through modification of the yeasts involved in the production processes.

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Development of genetic allozyme and microsatellite molecular markers in the sole species *solea senegalensis*

Selective fungicides for the comprehensive control of botrytis infections in commercial crops

Inhibition of the biosynthesis of toxins involved in the infection mechanism of botrytis cinerea: molecular characterization of the mechanisms of pathogenicity. Application to the rational control of the phytopathogen.

Chemical and microbiological characterization of colletotrichum species involved in anthracnose in strawberries and grapes. Search for new models of fungicides.

Molecular characterization of enzymatic complexes related with toxin biosynthesis and their implication in botrytis cinerea pathogenicity. Application to the rational control of the phytopathogen.

Study of secondary metabolism in strains of the colletotrichum species involved in anthracnose in strawberries and grapes.

Search for new molecular targets involved in the infection mechanism of botrytis and colletotrichum. Proteome analysis and design of fungicides for the rational control of these phytopathogens.

Characterization of new molecular targets from botrytis cinerea and colletotrichum acutatum proteome and genome. Development of selective fungicides to control these phytopathogens.

Preparation of a preliminary chromosome map of the karyotype of the sole (*solea senegalensis*). Integration of physical and genetic mapping.

Transnational Web for Biotechnology in Aquaculture.

Transfer to Cupimar of the techniques for the determination of the effective population size in gilthead bream culture: assessment of genetic variability and consanguinity.

Use of molecular techniques for the characterization of strains involved in the production of biologically aged young wines (fino and manzanilla wines).

Determination of molecular markers for the identification of bullet tuna.

Use of immobilized microbial bioreactors in anaerobic degradation. Kinetic modeling of the behaviour of microbial biofilms

Genetic improvement of gilthead bream growth through marker-assisted selection (RFLPS in candidate genes).

Determination of sludge activity in urban wastewater treatment plants: application to process control.

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Production of a human protein for therapeutical use in plant biofactories (Proteofactory).

Creation of an Andalusia-Morocco Fishing Observatory for scientific and technical cooperation and information in the sphere of fishing and aquaculture.

Genome and cytogenetic characterization of the genes involved in the metamorphosis of the sole (*solea senegalensis* kaup).

Phytoprotectors and early detection of phytopathogenic fungal infections: development of resistance to botrytis and colletotrichum infection in agrifood crops.

Development and application of genetic, molecular and cellular markers to reproduction, sexual differentiation and phylogenetics: teleostei fish of the batrachoididae family as models.

Characterization and optimization of Andalusian wine, brandy and vinegar aging systems.

Genetic and biochemical characterization of the secondary metabolism of the botrytis cinerea fungus. Biosynthetic design of natural botrycides.

Biosynthetic design of natural botrycides. Genetic manipulation of the botrytis cinerea phytopathogen

Tools for a marker-assisted selection program in gilthead bream (*sparus aurata*). Search for QTLs and analysis of heritability for growth.

Use of molecular techniques for the characterization of strains involved in the production of wines aged under the biological system used for manzanilla.

Typification of alterations in gametes, larvae and juveniles through the study of molecular and genetic markers in hormone-therapy induced reproduction in Senegalese sole.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Postcode: 41092

City: Sevilla

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Country: Spain

Contact person: Rocío Muñoz Maestre

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Partnership Profile



RESEARCH GROUP: "QUÍMICA ANALÍTICA DE CONTAMINANTES" (FQM170)

R&D Institution

*PROFILE from Spain
(15ES178)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

As cooperation partner, we are mainly focused on R&D and knowledge transfer activities in the field of food safety and quality. Our activities, including on-going R&D projects, can be summarized as follows:

a) Determination of residues and organic contaminants from chemical and biological origin. Thus, mycotoxins (aflatoxins, ochratoxin A, trichothecenes), pesticides, veterinary drugs, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), phenolic compounds of environmental interest (i.e. nonylphenol, tert-octylphenol), and polybrominated diphenylethers (PBDEs), including transformation products. The Group has expertise on the determination of these compounds in food samples, nutraceutical products and environmental samples. These determinations are based on chromatographic techniques coupled to mass spectrometry (triple quadrupole, quadrupole-time-of-flight, Exactive-Orbitrap, magnetic sector). Particularly, the Group has methods for the simultaneous determination of several classes of mycotoxins in different matrices as cereals, milk (aflatoxin M1 according to EU legislation), animal feed, beverages and nutraceuticals.

b) Moreover, analytical methods have been developed for the determination of contaminants and/or antibiotics in biological fluids and environmental samples such as soils and wastewater. The developed methods have been applied in several monitoring programs.

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c) Establishment of validation and quality control procedures for the evaluation of the reliability of the developed methods. Quantitative validation and quality control procedures have been also performed in order to fulfil the requirements set by international legislation (mainly the European Union) and the chemical process of measurements is under statistical control, according to official accreditation guidelines (i. e. ISO/IEC 17025).

Expertise offered (related to the topic)

The Research Group can provide analytical support related to this topic:

- 1) Quality control procedures for the reliable determination of organic contaminants from biological origin such as mycotoxins, other contaminants/residues of interest for food safety (pesticides, veterinary drugs or persistent organic pollutants). Matrix of interest are foodstuffs and environmental samples.
- 2) LC-MS and GC-MS instruments suitable for adequate identification/confirmation of a high variety of compounds, including residues/organic contaminants are available.
- 3) Among the facilities of the Group, an Exactive-Orbitrap instrument is fully available. This instrument has been used for the development of a database for the fast and reliable determination of mycotoxins, pesticides, veterinary drug residues in food and environmental samples. Currently, more than 500 compounds, including several classes of mytoxins as aflatoxins, trichotechenes, ochratoxin A can be monitored in a single analysis. Moreover, unknown compounds could be identified using this type of equipment.

The advanced analytical instrumentation available in the Group as well as the experience using it must be also considered. In this sense, advanced instruments such as Exactive-Orbitrap would increase the analytical capabilities of the EU cluster, improving the scope and the sensitivity of any required analysis, including target, non-target or unknown analyses. Finally, it is important to highlight that one of the main purposes of the research group is transferring the developed methodologies and knowledge to control laboratories. Therefore, there are several research projects with private laboratories related to this topic.

Previous FP experience

The group had participated as a partner in a Project during the IV EU Framework (FP4), entitled "The assessment of risk of exposure to plant protection products by operators, bystanders and workers and the environment" (REF: SMT4-CJ96-2048 (DG12-RSMT). Furthermore we have participated in the preparation of other projects in several calls (i.e. FP7-REGIONS-2009-1, Cooperation ENV.2008.6.1.2.1.4), obtaining good score, although the Project was not finally founded. Finally, in

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the last call of the FP7, we submitted a proposal as coordinators and another one as partner (FP7-KBBE-2013-7), but both projects were not founded.

Role in the project

Research; Training; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



RESEARCH GROUP: "AGRICULTURAL ENTOMOLOGY" (AGR 163). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES179)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015 Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

The research group "Entomología Agrícola" (AGR 163) was created in 1995 and is composed of subject matter experts and doctors from the University of Córdoba (UCO). We have long experience of research into insect pathology and microbial pest control and especially of the use of entomopathogenic fungi. We have taken part in several projects support by the Spanish Ministry of Science and Innovation, Andalusian Regional Government and EU framework. The following have been our projects in the last five years:

- Aprovechamiento del potencial de biocontrol de los Hongos Entomopatógenos contenido en su diversidad genética y en las proteínas insecticidas que sintetizan. AGR2008-01137/AGR (Spanish Ministry of Science and Innovation)
- Empleo del hongo entomopatógeno *Beauveria bassiana* para la protección sistémica de la adormidera frente al ataque del barrenador del tallo *Timaspis papaveris* PET2008-0050 (Spanish Ministry of Science and Innovation)
- Los Hongos Entomopatógenos y sus Compuestos insecticidas en el desarrollo de Herramientas Sostenibles de CIP adaptadas al escenario del Cambio Climático. AGL2011-27646 (Spanish Ministry of Science and Innovation)
- Strategies for the eradication and containment of the invasive pests *Rhynchophorus ferrugineus* Olivier and *Paysandisia archon* Burmeister. FP7-KBBE-2011-5 289566 (VII EU framework)

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- Innovative biological products for soil pest control. Collaborative Project Proposal ID: 282767. FP7-ENV-2011-3.1.9.-1 ECO-INNOVATION-TwoStage/CP (VII EU framework)

- Sustainable strategies for pest control based on the establishment of rhizosphere-competent and endophyte Entomopathogenic Fungi AGR-7681 (Andalusian Regional Government)

Expertise offered (related to the topic)

Our group has contributed significantly to the microbial pest control and especially with the use of entomopathogenic fungi. The group has a collection of more than 1000 autochthonous fungal isolates with information about their pathogenicity, virulence, ecological characteristics, and compound secretions. It also has much experience of bioassays both in field and laboratory with this type of biological control agents.

Previous FP experience

Membership in the working group of "Regulation of Biological Control Agents" of the REBECA Action. Besides the group is already involved in two European Projects:

- Strategies for the eradication and containment of the invasive pests *Rhynchophorus ferrugineus* Olivier and *Paysandisia archon* Burmeister. FP7-KBBE-2011-5 289566 (VII EU framework)
- Innovative biological products for soil pest control. Collaborative Project Proposal ID: 282767. FP7-ENV-2011-3.1.9.-1 ECO-INNOVATION-TwoStage/CP (VII EU framework)

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile

 **TRACE ELEMENT, SPECTROSCOPY AND SPECIATION GROUP. UNIVERSITY OF SANTIAGO DE COMPOSTELA.**

R&D Institution

*PROFILE from Spain
(15ES180)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

Title: Optimization of the fat acids profile in milk through the cow feeding

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2006-2007, Participants : Feiraco, USC

Title: Optimization of minerals contents in cow milk through cow feed and zootechnical management of cow farms

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2007-2008, Participants: Feiraco Lácteos , USC

Title: Development of molecular imprinted polymers (MIP) for their application in the food field ,MIPFOOD

Financial support: Ministerio de Ciencia e Innovación (IMPACTO)

Date: 2010-12, Participants: 13 Universities and Companies

Title: Improvement in the detection and determination of drugs in clinical samples for a rapid and reliable answer in the toxicological-forensic laboratories.

Financial support: de Educación e Ordenación Universitaria, Xunta de Galicia

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Date: 2011-2013, Participants: USC

Title: Use of the multifunctional nanoparticles for the simplification of the analytical methods.

Financial support: Consellería de Educación e Ordenación Universitaria, Xunta de Galicia

Date: 2011-2013, Participants: USC

Title: Multielemental, chemical and functional Speciation of trace elements in dissolved organic matter in seawater

Financial support: Ministerio de Ciencia e Innovación

Date: 2009-2012, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Title: Tracking Drug Trafficking (TDT)

Financial support: European Commission, Directorate-General Justice

Date: 2012-2015, Participants: Università Cattolica del Sacro Cuore, Roma, Italia,

Universidad de Santiago de Compostela, Spain

Title: Innovations in functional-chemical speciation in environmental nanotechnology (nanometrology). Characterization of artificial nanoparticles and natural organic

Financial support: Ministerio de Economía y Competitividad

Date: 2013-2015, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Expertise offered (related to the topic)

Trace Element Speciation Studies. Development of functional foods. Development of analytical methodology for the study of bioavailability of trace elements and organic compounds in foods using in vitro digestion methods. Development of analytical methodology for the study of trace elements and endocrine disruptors in foods. Studies of transfer of chemical compounds from the packaging to the food.

Previous FP experience

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

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Organisation name: CIS Galicia

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Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



SIK SWEDISH INSTITUTE OF FOOD AND BIOTECHNOLOGY

R&D Institution

*PROFILE from Sweden
(15SE181)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015 Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

SIK is a non-profit industrial research institute with the purpose of strengthening the competitiveness of its member companies and contribute to a sustainable development of the food sector. SIK has five main competence areas: 1) Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. Competence in biofilms. 2) Sustainable Food Production; LCA: Methods development, impact of different foods on the environment and climate, Agricultural and marine raw materials. LCM: (Life Cycle Management): System analysis of food and bio-based materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products. 3) Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, Process technology: optimise traditional processes and develop novel techniques, rapid heating processes, such as microwaves, IR technology and impingement. Development of new technologies as well as combinations of new and traditional technologies. 4) Sensory and Flavour Science; Sensory science; Sensory science that is related to both the chemical and physical features in the products that are being analysed. Consumer choices and experiences in different situations, Aroma chemistry: The chemical background to the aroma experiences registered by our senses, Interactions between food and packaging: The sensory, chemical and microbiological impact of packaging solutions on food quality during storage. 5) Structure and Material Design; Material design

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for tailored innovative products: Biopolymers, Innovative food textures, Renewable packaging materials, Antimicrobial function of materials. Structure design; Microstructure and rheology applied in the design of new structures. Advanced microscopy combined with image analysis, Experimental rheology combined with viscoelastic flow simulation. Nano- and microtechnology.

Expertise offered (related to the topic)

Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. Competence in biofilms.

Previous FP experience

Partner in FP7-project COATIM (project no 278425). , Development of antibiofilm coatings for implants. PRESERF (245280) Processing Raw materials into Excellent and Sustainable End products while Remaining Fresh.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: SWENET

Organisation name: SIK Swedish Institute for Food and Biotechnology

Address: Box 5401

Postcode: 402 29

City: Gothenburg

Country: Sweden

Contact person: Mr Jesper Lindstrom

Telephone: + 46 - 10 - 516 66 07, Cell + 46 - 76 - 127 26 24

E-mail: jesper.lindstrom@sik.se

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Partnership Profile



UNIVERSIDAD DE CASTILLA LA MANCHA

R&D Institution

*PROFILE from SPAIN
(15ES182)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015. Biological contamination of crops and the food chain.

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Molecular Biology and Plant Physiology research group at University of Castilla La Mancha is focus on the study of plant secondary metabolites from different plant species. The main objective is looking for new sources of nutraceuticals, and phytochemicals with different potentials as medicinal, antioxidant and antimicrobial activities.

Web page: <http://bmfv.uclm.es>

The research group has been involved in several projects. Right now is running two national and one regional research projects:

- Phytochemical characterization of traditional Spanish plants used in folk medicine.
- Omics technologies for the identification of the key players involved in the biosynthesis and regulation of plant apocarotenoids.
- Antimicrobial and antioxidant activities of garlic extracts for their implementation on bioactive polymers.

Expertise offered (related to the topic)

The research group has large expertise in research activities related to plant secondary metabolites, molecular biology, biotechnology, genetics, biochemistry and physiology.

Web page: <http://bmfv.uclm.es>

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Previous FP experience

No previous experience in European Framework Programmes. At the moment only R&D projects at national and regional level.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

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Partnership Profile

 **UNIVERSITÀ OF PARMA**

R&D Institution

*PROFILE from Italy
(15IT183)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015 : Biological contamination of crops an the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

The main goal of the Department of Biological sciences of the University of Parma is to develop a Bio-competitive procedure to cope with the problem of aflatoxin contamination of crops (Corn, mainly). We have screened the *A. flavus* population colonising the Po valley and isolated several aflatoxin producing strains (afla+) and many strains that have lost the capacity to synthetise the toxin (afla-). We are analysing some of the factors that may affect the efficacy of aflatoxin inhibition when afla+ and afla- strains are grown together (Bio-competition). We are also interested in dissecting the regulatory mechanisms interfering with mycotoxin production. We have a deep collaboration with scientists from the Department of Chemistry of our University to identify molecules (synthetic or from natural origin) that may interfere with *Aspergillus flavus* growth and/or with mycotoxin production. We are developping collaborations with representative stake holders of the relevant food chain (seed companies, farmers etc.)

Expertise offered (related to the topic)

Thechnological skills concerning *Aspergillus flavus* biology, physiology and molecular biology are avaiilable in our lab. The department has developed a simple and cheap procedure that may be used to scale-up the screening process of Bio-competitors and to increase knowledge on the molecular mechanism involved in aflatoxin biosynthesis and on the mechanisms interfering with mycotoxin production during co-infection.

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Previous FP experience

Partecipation to research initiatives dealing with the specific topic (food security and food protection) and two of our PhD students have been granted with fellowships from the european funds allocated for the development of regional projects in Emilia Romagna (called SPINNER projects)

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES374)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork ,Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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Partnership Profile



COVAP

Large company

*PROFILE from SPAIN
(15ES184)*

TOPIC OF INTEREST

TOPIC

SFS-13-2015: Biological contamination of crops and the food chain

ORGANIZATION EXPERTISE

ENTITY PROFILE

COVAP is the largest agroindustry cooperative in Andalusia and is one of the most important in Spain, founded in 1959. The business scope is mainly focused on dairy products, animal feed, and meat products: 1) milk, milk shakes, enriched milks, 2) sheep, cow and goat cheese, 3) Iberian Ham and sausages, and 4) Iberian pig, beef and lamb meats. COVAP has an integrated production system based on an eco-sustainable model.

Its pastureland use rotational farming methods, meaning that the land is used to grow cereals for a period, and then used for livestock grazing. This kind of relationship between crop and animal farming is only possible due to a balance in the use of natural resources.

COVAP integrated production chain involves livestock, feeding, industrialization, commercialization and consumer (markets). The main advantage using this model is to have the control over the different steps till reach the end product and implement solutions from farm to fork. Each action at different levels will affect the rest in the chain, following up the quality and traceability of each end product. Moreover, COVAP has set up its own technical support service to get closer to members and to provide them with everything they need to improve their production conditions. A skilled team of professionals provides a highly personalised service to members by carrying out a lot of field work. There are now four main support areas: 1) Rural Engineering and the Environment, 2) Hygiene and Health, 3) Reproduction, and 4) Comprehensive Advisory Services to help members to take advantage with the support of Public Administration.

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

COVAP's Composite Feed Factory and Fresh Mixes (Unifeed) Factory produce feed for different animal species, which is supplied to their members. The Factories have capacity to produce 157 million kilos of feed and 156 million kilos a year of fresh mixtures, respectively. The product catalogue is designed to cover the needs of each type of animal and productive state (production, gestation, drying, ..).

For COVAP it is of great importance to ensure the quality of its raw material, which will contribute to develop a high standard quality products. The growing concern about the presence of mycotoxins in raw materials and feed, and disorders that can result in animals after its consumption, will require to tackle different solutions in order to ensure product safety and traceability.

Previous FP experience

COVAP has participated in the following International Research Projects: BRIDGE Project (6th FP) where the application of RFID in the processing of Spanish Iberian ham for traceability and storage management. Currently, COVAP is involved in a Research Project from 7th FP Called BIOFOS which attempt to develop a high-added value multi-analyte biosensor for quality control in food industry. Under the figure of EUREKA, COVAP is running the Project INFORMED, which addresses online monitoring & control of production in the meat processing industry. Moreover, COVAP has huge experience in developing research projects financed by its own resources and with National funding, in areas such as Food quality, Food safety, Animal Health Status and Production Improvement, or New Products/Processes Development.

Role in the project

Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTNS-TECHNOLOGY CENTER OF NUTRITION AND HEALTH

Technological Centre

*PROFILE from Spain
(15ES185)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The CTNS-Technology Centre of Nutrition and Health www.ctns.cat was created in 2008 as part of the Catalan network of technology centres (TECNIO), which aim is to support the Catalan agrofood industry with RDI activities.

The COS-Centre for Omic Sciences www.omicscentre.com is a scientific facility created to provide to the industrial stakeholders community with a competitive and fully equipped infrastructure in the systems biology field, using cutting edge methods, state-of-the art technologies and performing continuous innovation in all omic sciences: metabolomics, proteomics, transcriptomics and genomics.

AINS, the Cluster of Nutrition and Health, www.ainscluster.cat was created in 2010 to contribute to innovation within the Spanish food sector in the field of healthy and functional foods, and increase its competitiveness through shared. AINS promotes business activities related to nutrition and health claims, the development of ingredients, additives and functional foods, food safety, industrial processes and technologies, market analysis, legal regulations and specialized training. AINS comprises 21 companies (13 of which are SMEs) and 3 knowledge centres.

The CTNS, located in Reus (Catalonia, Spain) has a long experience in the research of several bioactive compounds from a nutrigenomic and molecular nutrition point of view. For instance, we have been researching on polyphenolic compounds and their effect on hypertriglyceridemia and cholesterol levels as a strong predictor of atherogenic cardiovascular disease (CVD).

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The CTNS is an interdisciplinary technological centre associated to the University Rovira i Virgili (URV). The CTNS focuses its activity in several programs based on the different experimental approaches and technologies to address the development of ingredients and functional foods. These programs include in silico, in vitro and in vivo studies in order to assess the pre-intervention biological efficacy of ingredients and also to elucidate the mechanisms of action. The CTNS has also an agreement with the Sant Joan Hospital of Reus in order to perform human nutrition intervention studies in its facilities and in other complementary institutions such as the network of hospitals and primary attention health care centers, and has experienced staff on statistical assessment of the results and in the design of these studies.

The CTNS embraces several research groups with expertise in molecular biology, toxicology, in vivo and in vitro studies, epidemiology, dietary intervention trials and bioavailability of ingested bioactive compounds. Together, these groups and institutions provide a creative multidisciplinary scientific environment.

As a technological centre, the CTNS team has also excellent contacts with food companies and organizations such as the European Technology Platform Food for Life, and have expertise in patenting and in technology transfer activities in general.

Expertise offered (related to the topic)

CTNS has considerable experience in preparing foods with enhanced nutritional properties in order to develop products with nutritional or health claims, working with companies under confidential agreements.

The centre participates in several large consortia in the field of healthier foods: NUGO Association, Food for life Spanish technology platform and the Spanish Innovative Business Association of Nutrition and Health (AINS). Among others, CTNS has been working in three of the biggest Spanish projects in functional foods founded by the Spanish government with more than 12M€ each one called MED-DEV-FUN, SENIFOOD and INVIAS. The goal of these projects is to find alternative ingredients and develop new products addressed to different population groups.

As the food sector is one of the main strategic research areas of the URV and a strategic economic sector for Catalonia, the CTNS is aimed at fostering scientific research and technological services to the food industry with special emphasis in the validation of the efficacy of new ingredients and functional foods, from design to the validation of health claims, according with the European Regulation (CE) 1924/2006 of nutritional and health claims made on foods.

The CTNS team members have a very good grounding in nutrigenomics and applications to the development of new ingredients and foods for launching to the market with collaborations with

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multiple organizations and societies of food/nutrition research at European and international level such as the European Food Safety Authority (EFSA), the International Life Science Institute Europe (ILSI-Europe) and the Nutrigenomics Organization (NuGO), among others. Currently participating in the JPI A Healthy Diet for a Healthy Life.

In summary, we have the expertise and also a very-well established network of research centres, technology centres and food companies to develop and test the most appropriate ideas for ensuring authenticity of food products.

Previous FP experience

CTNS team has expertise in a wide range of European projects of FP6 and FP7, Eureka, DG SANCO, CIP and INTERREG; it is member of the Nutrigenomics Organisation (NuGO), former partner of the MITOFOOD Cost Action.

Currently participating in the large-scale collaborative project BIOCLAIMS (FP7-KBBE-2009) and in a DG-HEALTH-project called EYTO.

Research Organisation within the last main projects in functional foods founded by the Spanish Government: MED-DEV-FUN, SENIFOOD and INVIAS, about functional foods.

Partner of some innovation collaborative projects within AINS, Cluster of Nutrition and Health.

Leading a Catalan network of food research organizations and companies called Agrofood Connect-EU Group that aims to increase the participation of Catalan entities (mainly SMEs) in H2020-SC2 programme.

Currently participating in the JPI A Healthy Diet for a Healthy Life.

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AINIA

Technological Centre

*PROFILE from Spain
(15ES186)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ainia is a technology centre that works to promote the competitiveness of companies through innovation. With over 700 member companies and 1,200 clients, is one of Europe's technology centres with a largest business social base. Its mission is to give value to companies by leading innovation in a responsible and committed way. It work for the following sectors: Food; Environment and Energy; Packaging; Chemical products, cleaning and disinfection; Cosmetics and body care; Pharmaceuticals and biomedicine.

Ainia priority lines are: Food & Health; Food quality and safety; Design and industrial Production; Sustainability; and Consumer.

ainia technology centre offers solutions covering the entire typology of innovation needs of small, medium and large companies:

R&D&I:

- Product formulations: development, improvement, etc.
- Ingredients and raw materials: identification, validation, etc.
- Food, health: functionality of active ingredients, cell lines, bioavailability, nutritional improvement, etc.
- Security, authenticity and control: products, raw materials, processes.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Hygiene and hygienic design: equipment, facilities, processes.
- Packaging: design, materials, packaging systems, package-product interaction.
- Industrial process automation
- ICT applications to industrial and management processes
- Pre-normative research
- Sustainability: use of by-products and waste, biogas, carbon footprint, water footprint, etc.

Consulting and Management support

Analysis, laboratories, control

Industrial processes: BIOPROCESS; SCF TOLL MANUFACTURING; SUPPORT FOR INDUSTRIAL PROCESSES; Industrial-scaled.,

With 13,000 m2 of facilities, ainia has 10 pilot plants, 8 laboratories, 10 classrooms and training rooms, Consumolab (centre for analysis of consumer behavior through sensory analysis) and Altex (high-tech plant to provide a wide range of services based on supercritical CO2 extraction).

With a highly qualified team (over 70% of the staff are university graduates and PhD), multidisciplinary, confidentiality and flexibility to develop customized solutions tailored to the needs of each client are different elements of ainia as part of its corporate culture.

Expertise offered (related to the topic)

Consumers acceptance: From our strong know-how and the experience to investigate consumer's attitudes and perceptions about specific products, concepts or product information we can contribute in this topic to research and understand the impact of new developed methods for olive oil authentication related with the confidence of consumers and markets Consumolab (ainia's trademark for sensory analysis) is accredited by the Spanish National Accreditation body (ENAC) under standard EN 17025 to conduct sensory tests. Expertise in projects related with sensory methods and their standardization as the aforementioned CALIBSENSORY project.

Instrumentation and Automation: Sensors development to measure quality and safety of food matrices by means of fast and non destructive techniques: UV, VIS, NIR and MIR range and volatile compound detection by e-nose and z-nose (fast and portable chromatography).

Chemical analysis: We have a wide know-how in the areas of food fraud, food quality, nutrients characterization, food contamination, food spoilage, preservation, bioactive compounds, etc.

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Application of Information and Communication Technologies (models and software tools) in the traceability and food safety domain.

New products development

Communication and Dissemination Capacities: Ainia's main tools of communication, promotion and dissemination on line are: corporate website ainia.es (over 20,000 monthly visits) , guiaenvase.com (with a provider directory of over 3,500 companies), Ainia's training website (over 110,000 annual visits), ainia's legislation website lexainia.com (over 13,500 annual visits), Blog "ainia actual " (over 95,000 annual visits), Blog "ainia comunidad " (over 20,000 annual visits) , Blog "Megustaprobarcosas" (over 118,000 visits), Newsletter Tecnoalimentalia (over 9,000 subscribers), Newsletter Guíaenvase (over 11,500 subscribers). Flash News "ainia info" and "Consumolab reports" (over 15,000 subscribers), Flash News "ainia training" (over 9,000 subscribers). Flash News "solosocios " (over 700 subscribers).

Additionally, ainia maintains a fluid conversation with its stakeholders through the following social media. Ainia has 3,709 Twitter followers, 824 Facebook fans, 51.626 Youtube views, 1,470 LinkedIn subscribers, 360,000 Slideshare views, 99 Scribd presentations and over 20,000 visits, 36,000 Flickr visits, etc.

Previous FP experience

AINIA participates in over 200 R&D projects / year (national and international, cooperative and under contract), as well as a high number of consulting and training activities. Our most relevant projects are: OPTIMOILS; MEDA GO TO EUROPE; TRACEBACK; BIOACTIVE; BIODET; APTPACK; VINISERV; HELENA; GRUB'S UP; EMENSA; EuroMedCitrusNet; IRC-CENEMES (all EU FP6); PH-BOTTLE, KNOWLEDGE 2 INNOVATION; AGRIFOODRESULTS; TRACK_FAST; BIOLISME; ADWISE; BIOMAN; BIOLISME 2; GREENFOODEC; SUCCIPACK; SUSCLEAN; EDEN; BAKE4FUN; PATHWAY 27 (EU FP7). In addition, AINIA participates in other EU Programmes: SEIMED, SWITCH4FOOD, ECO3CIP (CIP); QBAKE, ERIE, MEAT-TIPS, INNSENS, GI-LEARN (Life Long Learning Programme), OZONECIP, INTEGRAL-B, ECODHYBAT, LO2X, WHEYPACK (LIFE); and QUBIC & FOODSME-HOP (INTERREG). AINIA is also leading the Agrofood Sector Group in the Enterprise Europe Network.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: SEIMED

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL

Technological Centre

*PROFILE from SPAIN
(15ES187)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the process of olive oil production, in both the agronomic phase and olive mill process, as well as chemical and organoleptic characteristics of olive oil. Specific expertise in the topic is based in the following background and technological tools:

a. Application of NIR on-line technology for the detection of markers of quality and/or fraud in the olive oil

b. Application of the expert panel test for sensory analysis and consumer panel test to determine consumer preferences

c. Methods of sensory analysis complementary to the panel test.

d. Shelf-life studies for olive oil based on type of packaging, storage conditions, ... etc.

e. Communication, dissemination and transfer of research results

f. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement n°: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement n°: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain. Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES188)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

Expertise offered (related to the topic)

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The Food Science and Safety Dpt. of CTAEX has a vast expertise in the isolation, identification, quantification and evaluation of specific active compounds existing in aromatic and medicinal plants as well as agro-food industries residues and by-products, and consequent employment with agricultural, feed, food, packaging, pharmaceutical and cosmetics purposes, such as:

- Extraction and stabilization of omega-3 lipids and natural antioxidants in feed, food and cosmetic applications.
- Employment of biocide extracts of vegetable species to be used against weeds, biological agents and pests during cultivation of legumes, cereals and fruits and vegetables crops.
- Evaluation of biocides as postharvest treatment agents.
- Substitution of chemical preservatives in food products by direct application or incorporation in the packaging.

In other cases, the Department has employed the techniques needed in the development of functional studies where plant extracts / agro-food residues are analyzed according to protocol screening methodologies (antioxidant, anti-inflammatory, anti-biocide, etc.), depending on the composition of their bioactive chemo type.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society´11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 06006

City: Badajoz

Country: Spain

Contact person: María García Rosa

E-mail: maria.garcia@fundecyt-pctex.es

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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK189)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES190)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



OLIVAR DE SEGURA, 2ND GRADE COOPERATIVE

SME

*PROFILE from SPAIN
(15ES191)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Olivar de Segura is a local cooperative located in the North East of Jaen in Andalusia, Spain. We specialise in the production, marketing and packaging of Designation of Origin Extra Virgin Olive Oil from the Sierra de Segura area, and also Ecologically Farmed Extra Virgin Olive Oil – as certified by the the Ecological Farming Committee of Andalusia (CAAE - Comité Andaluz de Agricultura Ecológica).

An average production of 20.000.000 pounds, 4.500 farmers, 14 mills scattered within 30,000 hectares of olive groves which produce the highest quality oil farmed from a single mountain-side olive grove, reaching 900m above sea level.

The location, which boasts 214,336 hectares in the Segura, Cazorla and Las Villas Nature Reserve, make it the largest Protected Nature Reserve in the whole of Spain. In 1983, the UNESCO's "Man and the Biosphere" Programme declared this mountainous region a Biosphere Nature Reserve. Subsequently, in 1998, the European Union declared the Nature Reserve an Area for the Special Protection of Birds.

Expertise offered (related to the topic)

Due to their own production they can supply the raw material for the research. OLIVAR DE SEGURA has it is own laboratory completely qualified to make all the analysis under the UE regulation. The Laboratory Department is managed by a Chemical Engineering specialist in technology and chemistry of oils.

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Role in the project

Research; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

Telephone: 34 955048511

E-mail: cristina.cabeza@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES192)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

- * Design and implementation of robotic systems

- * Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

- * Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Jaime Durán

Telephone: 0034 955 007 497

E-mail: jaime.duran@juntadeandalucia.es

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Partnership Profile



SIGMA BIOTECH, S.L.

SME

**PROFILE from SPAIN
(15ES193)**

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Sigma Biotech offers a wide range of services focused on developing innovative agri-food projects, thanks to a multidisciplinary team that meets the needs of R & D firms adapted to the food sector.

Experts on solving specific needs, medium-term undertaking projects and engage in strategic plans that lead to the development of a variety of food products that are launched in the market by implementing innovative new food technologies. DESIGN AND DEVELOPMENT OF NEW PRODUCTS.

CHARACTERIZATION OF FOOD.
ADVICE AND MANAGEMENT IN THE PREPARATION OF REPORTS AND PRESENTATION OF GRANTS AND SUBSIDIES FOR R & D BOTH AT REGIONAL, NATIONAL AND EUROPEAN. FUNDING I + D + i

Sigma Biotech collaborates with public and private agencies , offering full management for companies to successfully access to existing financial aid for the development of R + D + i , taking place from document management to technical development so integrity.

Our successes behind us. Some of the projects that your team works are:

- New range of spirits alcoholic dairy adjustable solidified .
- Development new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .
- Systems emulsifiers based on fatty no additive for stabilizing batters.
- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- New range of products consist of multilayer restructured quince and dairy .
- New range of soft drinks based on natural products.
- New range of oilseeds with different wall mounts .
- Textured products from natural raw materials.
- Enzyme Systems fermented bread with no thermal activation of yeast.
- Chromatic flavored alcoholic beverages , based on the ionization of anthocyanins by acid-base shift.
- Ice high melting point surfactant systems based on the reduction of interfacial surface tension.

Expertise offered (related to the topic)

TECHNOLOGICAL SOLUTIONS

Sigma Biotech is specialized in optimizing production processes and manage technology solutions products, both for improving the same as for the correction of any physical alterations chemical, microbiological, organoleptic , rheological ...

The methodology conducted by Sigma Biotech for the development of a project is based on a clear philosophy: to accompany the client at all stages of the same , from idea generation until memory document management , technical development laboratory scale and industrial location :

- Visit the customer premises, thereby acquiring much information as possible and thus facilitating the development of the project.
- Signing a confidentiality agreement between the parties, ensuring the utmost privacy possible.
- Writing a previous projec , based on the research that is to be carried out , for review by the customer and making the appropriate adjustments .
- Presentation of a final draft . Document management into CDTI presentation or in the appropriate body .
- Confirming the proposal and the budget and signing the contract.
- Technical development laboratory and pilot scale and industrial location .
- Memory Presentation results and relevant technical justification to the appropriate body .
- Sigma success Biotech acceptance works if technical report presenting a funding agency, if it is rejected , the customer does not acquire any financial commitment or technical .

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Previous FP experience

TECHNOLOGICAL SOLUTIONS

Sigma Biotech, despite being a newly established company , is working in R & D with major companies in the sector in Spain . Currently , is involved in many interesting projects that are giving more interesting conclusions for the future of the industry agroalimentaria . Some of the major projects in which your team works are:

- New range of spirits alcoholic dairy adjustable solidified .
- Developing new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .
- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .
- New range of soft drinks based on natural products.

Enzyme Systems fermented bread with no thermal activation of yeast.

Chromatic - alcoholic flavored drinks , based on the ionization of anthocyanins by acid-base shift .

Ice - melting high surfactant systems based on the reduction of interfacial surface tension

Role in the project

Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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E-mail: cristina.cabeza@juntadeandalucia.es

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Partnership Profile



INSTITUTE FOR FOOD STUDIES & AGROINDUSTRIAL DEVELOPMENT IFAU

SME

*PROFILE from Denmark
(15DK370)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

IFAU is a private company specialised in European and international food and agribusiness. IFAU carries out applied research on market aspects, consumer trends, innovations, trade, certifications and value chains. IFAU has worked with all food industry sub-sectors as well as technologies, ingredients and packaging for the food industry. IFAU has a comprehensive network to companies, organisations, research facilities and other bodies across the EU food sector. Relevant projects: European network for financing food innovation ENFFI (FP6, coordination action); Enhancing the innovative of food SMEs through strategic network behaviour NETGROW (FP7, research project).

Expertise offered (related to the topic)

Understanding of food value chains, distribution patterns, innovations, certifications, consumer trends, and the food industry in general in EU and other countries. Understanding of SMEs in the food chain. Expertise in conducting interviews, workshops, conferences, training of food SMEs, producing reports, and communication. Fluent in English, Danish, Swedish and German.

Previous FP experience

FP6 coordination and support action ENFFI project; FP7 research project NETGROW.

Role in the project

Research; Training; Dissemination

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



UNIVERSIDAD DE CASTILLA LA MANCHA

R&D Institution

*PROFILE from SPAIN
(15ES194)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Molecular Biology and Plant Physiology research group at University of Castilla La Mancha is focus on the study of plant secondary metabolites from different plant species. The main objective is looking for new sources of nutraceuticals, and phytochemicals with different potentials as medicinal, antioxidant and antimicrobial activities.

Web page: <http://bmfv.uclm.es>

The research group has been involved in several projects. Right now is running two national and one regional research projects:

- Phytochemical characterization of traditional Spanish plants used in folk medicine.
- Omics technologies for the identification of the key players involved in the biosynthesis and regulation of plant apocarotenoids.
- Antimicrobial and antioxidant activities of garlic extracts for their implementation on bioactive polymers.

Expertise offered (related to the topic)

The research group has large expertise in research activities related to plant secondary metabolites, molecular biology, biotechnology, genetics, biochemistry and physiology.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Web page: <http://bmfv.uclm.es>

Previous FP experience

No previous experience in European Framework Programmes. At the moment only R&D projects at national and regional level.

Role in the project

Research; Training

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

Address: Edif. ITQUIMA - Av. Camilo José Cela s/n . Campus Universitario

Postcode: 13071

City: CIUDAD REAL

Country: SPAIN

Contact person: GABRIELA R. GALLICCHIO PLATINO

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Fax: +34926295242

E-mail: gabrielar.gallicchio@uclm.es

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Partnership Profile

 **UNIVERSITY OF PARMA**

R&D Institution

*PROFILE from Italy
(15IT195)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The laboratory of HTP Proteomics, within the Inderdipartemental Center SITEIA.PARMA (Food Safety-Technology-Innovation) of the Parma Technopole that is focussed on food, provides key enabling expertise in the determination of food protein fingerprint. Different gel-free and gel-based proteomics approaches are applied to identify adulteration, food origin, fraud, and to direct food technological processes. The transformation from muscle to meat and, especially, from meat to processed pig products (cooked and dry-cured hams) have been characterized using proteomics tools. Moreover, saffron maturation, adulteration and origin are investigated by proteomic and spectroscopic methods.

Expertise offered (related to the topic)

SITEIA.PARMA offers support for the development of novel products, and processes, for the characterization of food, food products, food additives, and allergens, and food packaging.

Previous FP experience

COST ACTION Farm Animal Proteomics; COST ACTION Saffronomics;

Member of a Consortium that has presented a proposal on "Sustainable, efficient pig production using local breeds and feed resources: Using Omics to ascertain pork products quality and traceability from an animal welfare perspective" in the related work programme topic SFS-01a-2014: Genetics and nutrition and alternative feed sources for terrestrial livestock production"

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Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Simpler

Organisation name: Aster S. Cons. P.A.

Address: via P. Gobetti 101

Postcode: 40129

City: Bologna

Country: Italy

Contact person: Viorika Dishinica

Telephone: 0039 051639 8099

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E-mail: simpler@aster.it

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Partnership Profile



ANDALOUSIAN CENTER FOR WINE RESEARCH

R&D Institution

*PROFILE from Spain
(15ES196)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Andalusian Center for Wine Research is a mixed research institute. It is linked to the University of Cadiz and the Andalusian Regional Government. The research areas include:

New technologies in viticulture.

Viability and quality of land.

Wine microbiology.

Biotechnology in the fermenting process.

Technological processes.

Improvement of vinicultural products.

Acetic acid fermentation.

Study of products distilled from wine.

Study of quality indicators used in processes.

Description and quality of vinicultural products.

Development of new viticultural products.

Recovery of byproducts and waste products.

The historical, cultural, economic and legal study of viticultural products.

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The chemical and integrated control of phytopathogenic fungi.

The Center has a long experience working with wine and food companies. It has been also involved in research results dissemination and in public presentations about wine and related functional foods.

Expertise offered (related to the topic)

Authentication of wine and wine based products using both spectroscopic (NIR, FT-IR, MS, EN) and chromatographic (HPLC, UPLC, GC, CZE) techniques. Three national and regional grants already related in this topic.

Role in the project

Research; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **CEIA3 AGRIFOOD CAMPUS OF INTERNATIONAL EXCELLENCE**

R&D Institution

*PROFILE from Spain
(15ES197)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ceiA3, Agrifood Campus of International Excellence, is the largest Spanish center for research & specialized development. It is made up by the Universities of Almeria, Cadiz, Cordoba, Huelva and Jaen, and headed by the University of Cordoba, the National Scientific Research Council (CSIC), the Institute for Agricultural and Fisheries Development of Andalusia (IFAPA), and it has also achieved close cooperation with technology parks and a growing number of companies with innovative objectives.

The ceiA3 advances towards the future fully oriented to EU innovation policies based on the European H2020 strategy, on the EIP of Productive and Sustainable Agriculture, and also on the new challenges of the Common Agricultural Policy, whose strategy appears clearly defined towards the bioeconomy and sustainable agriculture.

Currently, ceiA3 has 285 research groups specialized in agriculture and the agrifood industry, with a human potential of over 4,000 people, divided into 16 thematic lines according to their affinity, from which 141 groups emerge with their own light, meeting excellence and scientific production criteria. They comprise 7 research clusters covering strategic areas of knowledge. Since 2009, the number of ceiA3 projects in International Research & Development Programmes totals 267, with a 237% increase in the last year.

We promote the achievement of agreements with private companies and participation in open calls for public institutions, both national (INIA, Andalusia, MECD, etc.) and European (FP7, Horizon 2020,

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etc.), through which we aspire to ensure the future viability of this project, making it possible to continue our work without necessarily depending on funding through the CEI program calls.

These main lines of research and activity are:

- Biodiversity and the Environment
- Bioenergy
- Integrative Biology
- Food Quality and Safety
- Sustainable Territorial, Rural y Tourism Development
- Agricultural Economics, Policy and Law
- Soil Erosion, Conservation and Fertility
- Rural and Agrifood Engineering
- Plant Breeding and Health
- Animal Breeding and Health
- Nutrition and Health
- Chemistry and Agrifoods
- Water Resources
- Food Technology and Oenology
- Agricultural and Environmental Technologies
- Information Technologies and Biocomputing

Expertise offered (related to the topic)

The ceiA3 Campus of Excellence focuses its efforts on the agrifood sector, as guarantor of a safe food supply for the population and a key strategic axis. It links the community to the territory, generates economic activity and employment, and plays a crucial role for the maintenance of rural territories and the environment. In this crucial sector, the ceiA3 develops an essential potential which allows for the innovation of the Agrifood industry from the technological, organizational and commercial point of view.

The lines of research of our scientific groups cover all the fields related to Agrifood, from economical or legislative aspects to those which are related to the improvement and optimization of resources

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for either the vegetal or animal production. Our research teams work with the most innovative equipment and techniques in search for creative solutions for the Agrifood industry. Food quality and safety, as well as its control during the whole production process, from the soil to the dish, are one of the key priorities in the work of our research groups.

In working to assure that these priorities are met, it is our understanding that University excellence requires, on one hand, the attraction and consolidation of talent and, on the other, collaboration with generators of knowledge that complement the university's training and research. For this purpose we are continually working towards the development of bilateral cooperation with international institutions in the Agrifood sector. For years we have collaborated, in teaching and research, with universities of excellence in Agribusiness, like those of California-Davis (U.S.), Concepción (Chile), Técnica de Lisboa (Portugal), Montpellier 2 (France), Wageningen (Netherlands), among others.

Likewise, we are developing agreements, between the Inter-American Institute for Cooperation on Agriculture (IICA) and the ceiA3. Agreements were also established with the INNOVAGRO Network in Latin America, with institutions for the development of the agrifood sector, with active participation in forums and definition of future strategies for collaboration. We have established projects involving not only participation in platforms linked to the agrifood sector, such as Food for Life, sustainable agriculture or Triptolemos platform, but also collaboration agreements with multiple major institutions, such as the Spanish Ministry of Agriculture, or Agropolis. Also, agreements with the Ministry of Agriculture and Environment of the Junta de Andalucía (Andalusian Government), the CIBEROBn Institute, the FAO of the United Nations, the Spanish Agency for the Defense of the Competence and Parque Sur Uruguay, among others.

One of the primary objectives is to reinforce the partnership between research and producers and to promote the transfer of technology. In this way, the ceiA3 has established collaborations with national companies, and different types of institutions (national and regional government institutions, Interprofessional Organizations, Rural Development Groups, or D.O's, for example) seeking collaboration and knowledge transfer, but also the creation of university-industry synergies that allow us to look to Europe for the capture of funds, to encourage business development through research, enabling us to meet the sector's challenges.

As an example of our potential, a brief description of our Partnerships with companies and institutions for the development of validating and harmonizing analytical methods and quality parameters that specifically address technical authenticity issues; particularly those of olive oil, though there are other sectors involved as well:

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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1. With Interprofesional del Aceite de Oliva Español (The Spanish Interprofessional organization of olive oil). Project title: "Identification of enabling technology to complement the EU analytical method called "Tasting Panel" in virgin olive oils".

This project involves the participation of six ceiA3 research groups and it is an ambitious partnership initiative of between Sector agents, Regional and National Administrations, and Research Centers and University.

2. With Sovena España, S.A. Project title: "Identification of the spectral fingerprint of different types of olive oil using ion mobility spectrometry".

Previous FP experience

With the Junta de Andalucía, Agency for Protection of Competition:

- "DEVELOPMENT OF A DATABASE QUALITY AGRIFOOD PRODUCTS" (34/2012) (in progress).

With Universidad de Córdoba. IPAFA, Junta de Andalucía:

- "Sensores MEMS y NIRS-imagen para el análisis no destructivo e in situ de productos animales y vegetales". P09 AGR-5129". Entidad financiadora: Proyecto de Excelencia. Convocatoria 2005. Profª ANA GARRIDO VARO. Total funding: 250.931,68 euros

OTHER PROJECTS: please note these are EXAMPLES, as the complete list includes 267+ ceiA3 international projects since 2009

- Title: Farm Animal Proteomics. COST Action FA1002. European Cooperation in the Field of Scientific and Technical Research. Duration, 2010 -2015. Resp. David Eckersall (University of Glasgow), Juan José Garrido Pavón (Management Committee) AGR-231

- Title: EADGENE. European Animal Disease Genomics Research Group for Animal Health and Food Safety. FP7 KBBE.2010.4-01. Duration, 2011 -2013. Resp. Juan José Garrido Pavón. AGR-231

- Title: A systems approach to minimize Escherichia coli O157:H7 food safety hazards associated with fresh- and fresh-cut leafy greens NIFSI nº 97170. USDA/CSREES/NIFSI Grants. Duration: 2007-2011. Resp. M. Doyle, Gonzalo Zurera (UCO). AGR-170

- Title: Cost Action "Feed For Health" (Fa0802). FP7-UE Duration 2008-2012 Representante COST (España), Ana Garrido Varo AGR-128

- Title: A systems approach to minimize Escherichia coli O157:H7 food safety hazards associated with fresh- and fresh-cut leafy greens NIFSI nº 97170 USDA/CSREES/NIFSI Grants Duration: 2007-2011 Resp. M. Doyle, Gonzalo Zurera (UCO) AGR-170

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- Title: EUI-2008-00114: Development of ultra-sensitive detection methods and plant nano-vaccines for the fungi *Fusarium* spp. using nanotechnological devices. AGR-252
- Title: Signalling circuitry controlling fungal virulence: identification and characterization of conserved and specific fungal virulence genes as common antifungal targets (ARIADNE) FP7-PEOPLE-ITN-237936 (Marie Curie Initial Training Networks). Duration 2009-2013. Resp. A. Di Pietro BIO-138
- Title: Host-induced gene silencing by RNAi in fungal and oomycete pathogens for healthier and safer food (RNAiGuard) Plant KBBE EUI2009-03942 Unión Europea-MICINN (ERA-NETs) Duration 2010-2013. Resp. A. Di Pietro. BIO-138
- Title: Transcriptional networks controlling virulence in filamentous fungal pathogens (TRANSPAT) Pathogenomics BIO 2008-04479-E Unión Europea-MICINN (ERA-NETs), Duration, 2009-2012. Resp. A. Di Pietro. BIO-138
- Title: Plant Proteomics in Europe (COST Action FA 0603). Duration 2007-2011. Resp. Jesús Jorrín Novo BIO-269
- Title: Alterations in membrane composition and function with calorie restriction NIH 1R01AG028125-01A1 (USA) Key investigator Resp. John J. Ramsey (University of California at Davis) Resp. JM Villalba BIO-276
- Title: Mechanisms Underlying Coping Strategies and Welfare In Farmed Salmon, Sea Bass and Sea Bream. FP7-KBBE. Duration 2010-2014. Resp. José Antonio Muñoz Cueto. RNM-216

Role in the project

Research; Training; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **DEPARTMENT OF AGRICULTURAL, FORESTRY AND FOOD SCIENCE (DISAFA) - FOOD MICROBIOLOGY AND TECHNOLOGY SECTOR**

R&D Institution

*PROFILE from Italy
(15IT198)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research activities in Food Microbiology and Technology Sector of DISAFA includes the entire food chain from field to fork, as well as the health-promoting properties of foods and food constituents.

The Food Sector possesses leading capabilities and resources, as well as active national and international networks, and is therefore able to make significant contributions to current food-related global challenges: food supply, food wastage, food quality, differentiation of foods, and novel, convenient and healthy foods. Most of the research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of researches findings to the benefit of industry and society.

Expertise offered (related to the topic)

The science team performs research on food quality and changes in quality parameters related to processing, packaging and storage of foods, especially in relation to wines, dairy products, meat products and plant food products.

With this aim the science team employs chemical-physical (GC-MS, LC-MS ion trap, electronic nose, electronic tongue, texture analyzer) and microbiological (PCR, DGGE) methods to investigate the different foods in order to understand the effect of metabolites on sensory and technological properties.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Also sensory analysis is used for describing and measuring food quality and a trained sensory panel is used to quantify sensory attributes within appearance, odor, taste and texture.

Previous FP experience

The Food Sector has work on WP5 (CRAFT Project) and on WP7 (PATHOGEN Combact Project)

Role in the project

Research; Tech. Development; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

Telephone: 0039 011 5669239

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E-mail: d.vismara@pie.camcom.it

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FAICO. FUNDACION ANDALUZA DE IMAGEN COLOR Y OPTICA

R&D Institution

*PROFILE from SPAIN
(15ES199)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

FAICO is a private non-profit organization located in Seville and Cádiz (Andalusia, Spain), specialist in technological solutions through the application of industrial optics, especially in the areas of Cultural Heritage Conservation and Industrial Process Automation.

Machine vision applications:

- Automation of industrial manufacture, processing and packaging.
- Safety systems in industrial environments
- Quality control/failure detection
- Visual stock control and management systems
- Control of vehicles and industrial robots

Inspection of surfaces

Relevant R&D Projects:

A2 TRANSFER: PROMOTION OF INNOVATIVE TECHNOLOGICAL SOLUTIONS IN THE AGROFOOD INDUSTRY IN THE REGIONS OF ANDALUSIA AND ALENTEJO

Programme: POCTEP; Duration: 24 M; Budget: 700.000 € (525.000 FEDER)

GEEWHEZ: MANAGEMENT AND LEISURE MIDDLEWARE FOR THEME PARKS AND ZOO

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Programme: FP7; Duration: 24 M; Budget: 1,635,080 €; Role: Partner

AUTOMATED SYSTEM FOR CLASSIFICATION OF ALEVINS IN FISH FARMS

Programme: Agentes del Conocimiento; Duration: 12 M; Budget: 213,088 €

AUTOMATED PROCESSING PLANT OF CRAYFISHES

Programme: (Private Funding)

RIPE&SWEET: Developing a hyperspectral system to check out the quality of fruits and vegetables

Expertise offered (related to the topic)

FAICO is officially qualified as Technology and Innovation Support Centre by the Spanish Ministry of Science and Innovation, being today a Technology Reference Centre in the industry. FAICO specializes in the fields of Machine Vision, 3D Design/Digitizing, Graphic Arts and Optics Engineering. Our mission is to provide the customers with the best technological solutions tailored to their needs. We apply our resources to develop, implement and optimize industrial processes and products in relevant fields of expertise. The main RTD activities and technological Solutions are as follows:

Machine Vision Applications

3D Design/Digitizing

Printing Technology

Previous FP experience

Geewhez Project (RTD Performer): Development of a surveillance system to control the behavior of visitors during their stay at the Park, the behavior of animals or the detection of escapes especially during the night in Animal Theme Parks. <http://www.geewhez.eu/>

A2Transfer Project: New technology transfer in agro-food industry in Andalusia-Alentejo <http://www.a2transfer.es/>

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck 3 Edificio Iris I

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  <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Postcode: 41092

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG

R&D Institution

*PROFILE from Germany
(15DE200)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Fraunhofer-Gesellschaft is a leading organization of applied research and development in Germany. It gathers 60 research institutes with some 20.000 employees. Fraunhofer-Gesellschaft is working on research with industry, the service sector and the government.

Fraunhofer-Gesellschaft is actively involved in industrial consortia seeking technical solutions to improve the competitiveness of European industry, also with strong contact to other markets (e.g. China). The Institute of Molecular biology and applied Ecology (IME) conducts research in the field of applied life sciences from a molecular level to entire ecosystems. One of the major objectives in the business field "Food and Feed Safety" is to ensure high quality standards and safety levels for food including food quality assessments. Therefore research is dedicated towards the development of innovative detection procedures for the analysis of food and feed based on sophisticated reference analysis. These chemical and microbiological reference analyses are assured by an accreditation according to DIN EN ISO/IEC 17025:2005 and a certificate according to Good Laboratory Practice (GLP).

Expertise offered (related to the topic)

The department of Environmental and Food Analysis disposes of excellent technical equipment and highly qualified personnel in biological and instrumental analytics. IME, together with its partners in the Fraunhofer Food Chain Management Alliance (FCM), is able to provide comprehensive solutions in this area for all stakeholders in the food chain and finally to the consumer. The department

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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counts with L2 and S1 facilities, and its certified to conduct GLP studies. Our labs comprise, e.g. high resolution HPLC-MS/MS, GC-MS/MS for trace-, and GC-O/MS for aroma analysis needed for metabolomics and proteomics studies, and a genetic analyzer (sequencing, T-RFLP, ARISA PCR), real time PCR and DGGE for genomic studies.

Our experience in the authentication field:

- Animal species differentiation, for authentication of meat based products
- Cashmere authentication, for woolen products (China)
- Yeast species differentiation, for spontaneously fermented wines.
- Wine metabolomics

Previous FP experience

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

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E-mail: ak@zenit.de

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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE201)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Institute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and development projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The department for Meat Technology has special interest in animal species detection based on MALDI-TOF technology.

The department of Beverage Technology holds competences in research projects focussed on the development of functional beverages and fermentation technologies. Beverages can be produced from lab scale up to large scale of 500 L per batch. All important downstream technologies are available in large scale.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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ongoing nationally-funded projects. The research departments have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

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Fax: 0049 (0) 208 30004 29

E-mail: ak@zenit.de

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



KIN FOOD INSTITUTE

R&D Institution

*PROFILE from Germany
(15DE202)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our service for the food industry:

For 45 years, we serve our members and customers as the competent and successful one-step service provider in the fields quality assurance, research & development, seminars and technical school. With this, we are unique in Europe.

Our work focuses on product safety, high quality food products and further education for the food industry. The objective of KIN Food Institute is to implement existing knowledge and latest research findings into product development and food analysis so that the quality features of the competitive products provided by our member companies offer the consumers a clear advantage. The further development of practical skills of food technicians and other employees in the food industry ensures a reliable longterm economical success for the enterprises.

Our about 300 member companies take advantage of many member benefits. The membership reflects their commitment to the future of the food trade.

Expertise offered (related to the topic)

Research and Development: Preservation, Product development, Process engineering, Packaging, Extrusion, Minimal Processing

Quality assurance: National and international food law, Hygiene management, HACCP concepts, Chemistry and microbiology analysis, Sensoriy quality

Previous FP experience

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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*Process inspection and development of Cooked and Chilled Food

*Production and cooling of boiled sausages e.g. product-related package in a controlled environment:
Basics, boiled sausages sliced, cooling and package

*Exploration of manufacturing technologies for convenience food suitable for microwave

*Determination of new sterilization parameters to optimize the quality of wet canning based on current knowledge for vegetables, meat and ready meals

*NIR-MAP combination method to extend the shelf life of foods (boiled sausages) using direct IR surface sterilization and protective gas package with modified radiation geometry

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: 150382-01

Organisation name: Investitionsbank Schleswig-Holstein

Address: Fleethörn 29-31

Postcode: 24103

City: Kiel

Country: Germany

Contact person: Anette Benz

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Fax: 0049 9905-63494

E-mail: anette.benz@ib-sh.de

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT203)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research group performs the following activities: I) Physico-chemical characterization and production of new products using regional goods as ingredients, such as grape jellies, jams and mead (fermented honey beverage). Application of Response Surface Methodology as a useful methodology for process optimization; II) Effect of post-harvest technologies, namely drying performed in hot air convection ovens and tray drier, as well as osmotic drying on physico-chemical properties of vegetable products (e.g. chestnuts, mushrooms), namely on axial dimensions, volumetric shrinkage, color and nutritional composition; III) Modelling of drying processes of vegetable products (application of several empirical and semi-theoretical models, such as, Lewis, Diffusion Approach, Modified Page, Henderson and Pabis, Logarithmic, Two-term, Two-term exponential, Wang and Singh, Modified Henderson and Pabis, and Thompson models), evaluation of fit suitability and estimation of apparent diffusivities; IV) Valorisation of residues and by-products of food enterprises (e.g. espresso coffee residues to be used as soil amendment for agricultural

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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purposes) and regional industries (e.g. grape and pomegranate seeds to extract oils); and V) Support through knowledge and technology transfer to traditional food industries under TRADEIT project (FP7 project) in order to promote food innovation in these enterprises.

Example projects:

- "Authenticity study of "Terrincho" ewe and "Transmontano" goat cheeses", AGRO-INIA nº 26 Project
- ReNISA – "National Food Security Integrated Network" – Ref. AMA - AAC nº 01/SAMA/2012 - Project nº 37523;
- "CHESTNUTSRAD – Alternative treatment for preservation of chestnut fruits", QREN Co-Promotion Project nº 13198/2010 (also considered as an EUREKA Project with the title - "Ionizing radiation as an alternative treatment for preservation of chestnut fruits")
- "Coffee grounds: conversion program and security implications in the quality of the vegetables produced", Project PTDC/AGR-AAM/102447/2008.
- "AGRINNDIF - Improving the competitiveness of the agricultural sector of Castilla and Leon and North of Portugal through innovation and development of high value differentiated products"
- "TRADEIT - Traditional Food: Entrepreneurship, Innovation and Technology Transfer" (FP7 – Grant agreement nº 61377).

Example publications:

- Ramalhosa E., Magalhães A.L., Pereira E.L. (2012), Characterization of regional Portuguese kitchens for alheiras de Vinhais (PGI) production with respect to the processing conditions, final product quality and legal framing, Food Control, 26, 133-138;
- Ana Paula Pereira, Teresa Dias, João Andrade, Elsa Ramalhosa and Letícia M. Estevinho (2009), Mead production: Selection and characterization assays of *Saccharomyces cerevisiae* strains, Food and Chemical Toxicology, 47, 2057-2063;
- Teresa Delgado, Ricardo Malheiro, José Alberto Pereira and Elsa Ramalhosa (2010), Hazelnut (*Corylus avellana* L.) kernels as a source of antioxidants and their potential in relation to other nuts, Industrial Crops and Products, 32, 621-626;
- Fátima Fernandes, Elsa Ramalhosa, Patrícia Pires, João Verdial, Patrícia Valentão, Paula Andrade, Albino Bento and José Alberto Pereira (2013), *Vitis vinifera* leaves towards bioactivity, Industrial Crops and Products, 43, 434-440;

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- Luana Fernandes, Susana Casal, Rebeca Cruz, José Alberto Pereira and Elsa Ramalhosa (2013), Seed oils of ten traditional Portuguese grape varieties with interesting chemical and antioxidant properties, *Food Research International*, 50, 161-166;
- Teresa Gomes, Teresa Delgado, Anabela Ferreira, José Alberto Pereira, Paula Baptista, Susana Casal and Elsa Ramalhosa (2013), Application of Response Surface Methodology for obtaining lettuce (*Lactuca sativa* L.) by-products extracts with high antioxidative properties, *Industrial Crops and Products*, 44, 622-629;
- Pereira E.L., Rodrigues A., Ramalhosa E. (2013), Influence of working conditions and practices on fresh-cut lettuce salads quality, *Food Control*, 33, 406-412;
- Gomes T., Barradas C., Dias T., Verdial J., Morais J.S., Ramalhosa E., Estevinho L.M. (2013), Optimization of mead production using Response Surface Methodology, *Food and Chemical Toxicology*, 59, 680-686;
- António A.L., Fernandes A., Bento A., Ferreira A., Trigo M.J., Botelho M.L., Ramalhosa E. (2013). Gamma irradiation preservation of chestnut fruits: effects on color and texture, *European Scientific Journal*, 3, 239-245;
- Cruz R., Gomes T., Ferreira A., Mendes E., Baptista P., Cunha S., Pereira J.A., Ramalhosa E., Casal S. (2014). Antioxidant activity and bioactive compounds of lettuce improved by expresso coffee residues, *Food Chemistry*, 145, 95-101;
- Delgado T., Pereira J.A., Baptista P., Casal S., Ramalhosa E. (2014). Shell's influence on drying kinetics, color and volumetric shrinkage of *Castanea sativa* Mill. fruits, *Food Research International*, 55, 426-435;
- Delgado T., Marinero P., Asensio-S.-Manzanera M.C., Asensio C., Herrero B., Pereira J.A., Ramalhosa E. (2014), Antioxidant activity of twenty wild Spanish *Thymus mastichina* L. populations and its relation with their chemical composition, *LWT*, 57, 412-418;
- Fernandes, L., Rodrigues, N., Pereira, J.A. and Ramalhosa E. (2014), Physico-chemical and sensory characteristics of jellies made from seven grapevine (*Vitis vinífera* L.) varieties, *Acta agriculturae Slovenica*, 103, 37-48.

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

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Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "APPLIED MICROBIOLOGY AND MOLECULAR GENETICS" (BIO219). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from Spain
(15ES204)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The group is composed by experts in genetics and microbiology and applies techniques of molecular genetics, genomics and proteomics to the authentication of food products and the production of sustainable food and nutrition security of several origins (aquaculture, agriculture and oenology).

Expertise offered (related to the topic)

Exploring Pathogenic Mechanisms of phitopathogenic fungi (*Botrytis cinerea* & *Colletotrichum acutatum*) by molecular biology and proteomic approaches: Applications to integral Management of fungal control diseases. Study and genomic characterization of wine yeast: wine production improvement

Previous FP experience

Projects

Design of formulations for the comprehensive control of fungal diseases in fruit and vegetable crops, vines and stored grape. Impact on the winemaking and aging processes of Jerez wines.

Improvement of the qualities of bread and wine through modification of the yeasts involved in the production processes.

Development of genetic allozyme and microsatellite molecular markers in the sole species *solea senegalensis*

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Selective fungicides for the comprehensive control of botrytis infections in commercial crops

Inhibition of the biosynthesis of toxins involved in the infection mechanism of botrytis cinerea: molecular characterization of the mechanisms of pathogenicity. Application to the rational control of the phytopathogen.

Chemical and microbiological characterization of colletotrichum species involved in anthracnose in strawberries and grapes. Search for new models of fungicides.

Molecular characterization of enzymatic complexes related with toxin biosynthesis and their implication in botrytis cinerea pathogenicity. Application to the rational control of the phytopathogen.

Study of secondary metabolism in strains of the colletotrichum species involved in anthracnose in strawberries and grapes.

Search for new molecular targets involved in the infection mechanism of botrytis and colletotrichum. Proteome analysis and design of fungicides for the rational control of these phytopathogens.

Characterization of new molecular targets from botrytis cinerea and colletotrichum acutatum proteome and genome. Development of selective fungicides to control these phytopathogens.

Preparation of a preliminary chromosome map of the karyotype of the sole (solea senegalensis). Integration of physical and genetic mapping.

Transnational Web for Biotechnology in Aquaculture.

Transfer to Cupimar of the techniques for the determination of the effective population size in gilthead bream culture: assessment of genetic variability and consanguinity.

Use of molecular techniques for the characterization of strains involved in the production of biologically aged young wines (fino and manzanilla wines).

Determination of molecular markers for the identification of bullet tuna.

Use of immobilized microbial bioreactors in anaerobic degradation. Kinetic modeling of the behaviour of microbial biofilms

Genetic improvement of gilthead bream growth through marker-assisted selection (RFLPS in candidate genes).

Determination of sludge activity in urban wastewater treatment plants: application to process control.

Production of a human protein for therapeutical use in plant biofactories (Proteofactory).

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Creation of an Andalusia-Morocco Fishing Observatory for scientific and technical cooperation and information in the sphere of fishing and aquaculture.

Genome and cytogenetic characterization of the genes involved in the metamorphosis of the sole (*solea senegalensis* kaup).

Phytoprotectors and early detection of phytopathogenic fungal infections: development of resistance to botrytis and colletotrichum infection in agrifood crops.

Development and application of genetic, molecular and cellular markers to reproduction, sexual differentiation and phylogenetics: teleostei fish of the batrachoididae family as models.

Characterization and optimization of Andalusian wine, brandy and vinegar aging systems.

Genetic and biochemical characterization of the secondary metabolism of the botrytis cinerea fungus. Biosynthetic design of natural botrycides.

Biosynthetic design of natural botrycides. Genetic manipulation of the botrytis cinerea phytopathogen

Tools for a marker-assisted selection program in gilthead bream (*sparus aurata*). Search for QTLs and analysis of heritability for growth.

Use of molecular techniques for the characterization of strains involved in the production of wines aged under the biological system used for manzanilla.

Typification of alterations in gametes, larvae and juveniles through the study of molecular and genetic markers in hormone-therapy induced reproduction in Senegalese sole.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



RESEARCH GROUP: "ENVIRONMENTAL ENGINEERING" (RNM033). UNIVERSITY PABLO DE OLAVIDE

R&D Institution

*PROFILE from Seville
(15ES205)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

General activity:

- 1- Determination of Olive oil composition (fatty acid profiles, wax, acidity, polyphenols,...).
- 2- Olive oil production, authentication and quality.

Relevant projects

- 1- Evolution of polyphenols and stability of olive oils with different degree of ripeness of the olives of different varieties. Funding Agency Junta de Andalucía, Department of Innovation, Science and Enterprise.
- 2- Diversification of activities in olive oil mills. Funding Agency: Delegation Employment of Jaén.
- 3- Introduction to the production of soaps for use in cosmetics from virgin olive oils. FUNDING Agency: Junta de Andalucía, Department of Innovation, Science and Enterprise.

Expertise offered (related to the topic)

The research group have more than 15 years of experience in the topic. Below are some published articles.

- 1- Photodegradation of phytosanitary molecules present in virgin olive oil. Journal of Photochemistry & Photobiology, A: Chemistry 203(1),1-6 (2009).

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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2- Elimination of pesticide residues from virgin olive oil by ultraviolet light: Preliminary results. Journal of Hazardous Materials. 168(1)/555-559 (2009).

3- Changes in phenolic compounds and Rancimat stability of olive oils from varieties of olives at different stages of ripeness. Journal of the Science of Food and Agriculture. 90(14)/2393-2398 (2010).

4- Changes of the wax contents in mixtures of olive oils as determined by gas chromatography with a flame ionization detector. Journal of aoac international. 95(6)/1720-1724 (2013).

Previous FP experience

Members of the research group have extensive experience in regional, national and European projects.

Role in the project

Research; Training; ; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



SIK SWEDISH INSTITUTE OF FOOD AND BIOTECHNOLOGY

R&D Institution

*PROFILE from Sweden
(15SE206)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

SIK is a non-profit industrial research institute with the purpose of strengthening the competitiveness of its member companies and contribute to a sustainable development of the food sector. SIK has five main competence areas: 1) Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. Competence in biofilms. 2) Sustainable Food Production; LCA: Methods development, impact of different foods on the environment and climate, Agricultural and marine raw materials. LCM: (Life Cycle Management): System analysis of food and bio-based materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products. 3) Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, Process technology: optimise traditional processes and develop novel techniques, rapid heating processes, such as microwaves, IR technology and impingement. Development of new technologies as well as combinations of new and traditional technologies. 4) Sensory and Flavour Science; Sensory science; Sensory science that is related to both the chemical and physical features in the products that are being analysed. Consumer choices and experiences in different situations, Aroma chemistry: The chemical background to the aroma experiences registered by our senses, Interactions between food and packaging: The sensory, chemical and microbiological impact of packaging solutions on food quality during storage. 5) Structure and Material Design; Material design

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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for tailored innovative products: Biopolymers, Innovative food textures, Renewable packaging materials, Antimicrobial function of materials. Structure design; Microstructure and rheology applied in the design of new structures. Advanced microscopy combined with image analysis, Experimental rheology combined with viscoelastic flow simulation. Nano- and microtechnology.

Expertise offered (related to the topic)

Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, Process technology: optimise traditional processes and develop novel techniques, rapid heating processes, such as microwaves, IR technology and impingement. Development of new technologies as well as combinations of new and traditional technologies.

Previous FP experience

Coordinated FP7-project "ProPraline" (218423) Structure and processing for high-quality chocolate pralines. Partner in FP7-project "HighTech Europe" (222824) European Network for integrating novel technologies for food processing. Partner in FP7 project "LEO" (613581) Enabling small-to-medium sized oven technology producers and bakeries to exploit innovative Low Energy Ovens

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: SWENET

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **TRACE ELEMENT, SPECTROSCOPY AND SPECIATION GROUP. UNIVERSITY OF SANTIAGO DE COMPOSTELA.**

R&D Institution

*PROFILE from Spain
(15ES207)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Title: Optimization of the fat acids profile in milk through the cow feeding

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2006-2007, Participants : Feiraco, USC

Title: Optimization of minerals contents in cow milk through cow feed and zootechnical management of cow farms

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2007-2008, Participants: Feiraco Lácteos , USC

Title: Development of molecular imprinted polymers (MIP) for their application in the food field ,MIPFOOD

Financial support: Ministerio de Ciencia e Innovación (IMPACTO)

Date: 2010-12, Participants: 13 Universities and Companies

Title: Improvement in the detection and determination of drugs in clinical samples for a rapid and reliable answer in the toxicological-forensic laboratories.

Financial support: de Educación e Ordenación Universitaria, Xunta de Galicia

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Date: 2011-2013, Participants: USC

Title: Use of the multifunctional nanoparticles for the simplification of the analytical methods.

Financial support: Consellería de Educación e Ordenación Universitaria, Xunta de Galicia

Date: 2011-2013, Participants: USC

Title: Multielemental, chemical and functional Speciation of trace elements in dissolve organic matter in seawater

Financial support: Ministerio de Ciencia e Innovación

Date: 2009-2012, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Title: Tracking Drug Trafficking (TDT)

Financial support: European Commission, Directorate-General Justice

Date: 2012-2015, Participants: Università Cattolica del Sacro Cuore, Roma, Italia,

Universidad de Santiago de Compostela, Spain

Title: Innovations in functional-chemical speciation in environmental nanotechnology (nanometrology). Characterization of artificial nanoparticles and natural organic

Financial support: Ministerio de Economía y Competitividad

Date: 2013-2015, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Expertise offered (related to the topic)

Trace Element Speciation Studies. Development of functional foods. Development of analytical methodology for the study of bioavailability of trace elements and organic compounds in foods using in vitro digestion methods. Development of analytical methodology for the study of trace elements and endocrine disruptors in foods. Studies of transfer of chemical compounds from the packaging to the food.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



RESEARCH GROUP: "QUÍMICA ANALÍTICA DE CONTAMINANTES" (FQM170). UNIVERSITY OF ALMERIA

R&D Institution

*PROFILE from Spain
(15ES391)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

As cooperation partner, we are mainly focused on R&D and knowledge transfer activities in the field of food safety and quality. Our activities, including on-going R&D projects, can be summarized as follows:

- a) Evaluation of food composition. Determination of bioactive compounds (i.e. phytochemicals) and nutritional characteristics in several matrices as vegetables, fruits and nutraceuticals. Research is being done in the determination of nutritional and bioactive compounds in food; thus, our cluster has capabilities for determining phenolic compounds and major components of food matrices (e.g. fatty acids, polyphenols, flavones, isoflavones, glucosinolates), in fruits, vegetables and nutraceutical products, among others. For that purpose, we are using advanced analytical techniques such as LC coupled to low resolution mass spectrometry (triple quadrupole analyzer) or high resolution mass spectrometry (Orbitrap).
- b) Moreover, analytical methods have been developed for the determination of contaminants and pesticide residues in food matrices, biological fluids and environmental samples. The developed methods have been applied in several monitoring programs.
- c) Establishment of validation and quality control procedures for the evaluation of the reliability of the developed methods. Quantitative validation and quality control procedures have been also performed in order to fulfil the requirements set by international legislation (mainly the European

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Union) and the chemical process of measurements is under statistical control, according to official accreditation guidelines (i. e. ISO/IEC 17025).

Expertise offered (related to the topic)

The Research Group can provide analytical support related to this topic:

- 1) Quality control procedures for the reliable determination of phytochemicals and other products related to food quality and authentication.
- 2) Different LC-MS and GC-MS instruments (LRMS, HRMS) are available for adequate identification/confirmation of a high variety of compounds, including residues/organic contaminants, and also for authentication studies.
- 3) Among the facilities of the Group, an Exactive-Orbitrap instrument is fully available. This instrument has been used for the development of a database for the fast and reliable determination of phytochemicals. Moreover, unknown compounds could be identified using this type of equipment.

The advanced analytical instrumentation available in the Group as well as the experience using it must be also considered. In this sense, advanced instruments such as Exactive-Orbitrap would increase the analytical capabilities of the EU cluster, improving the scope and the sensitivity of any required analysis, including target, non-target or unknown analyses. It is important to highlight that one of the main purposes of the research group is transferring the developed methodologies and knowledge to control laboratories. Therefore, there are several research projects with private laboratories related to this topic. Finally, we are in touch with some interesting partners which are also related to Food Authentication and/or determination of composition profiles. This includes other R&D institutions from the EU, but also SMEs.

Previous FP experience

The group had participated as a partner in a Project during the IV EU Framework (FP4), entitled "The assessment of risk of exposure to plant protection products by operators, bystanders and workers and the environment" (REF: SMT4-CJ96-2048 (DG12-RSMT). Furthermore we have participated in the preparation of other projects in several calls (i.e. FP7-REGIONS-2009-1, Cooperation ENV.2008.6.1.2.1.4), obtaining good score, although the Project was not finally founded. Finally, in the last call of the FP7, we submitted a proposal as coordinators and another one as partner (FP7-KBBE-2013-7), but both projects were not founded.

Role in the project

Research; Training; Dissemination; Other

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES208)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects where FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013. The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD):

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Previous FP experience

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **ISTITUTO ZOOPROFILATTICO SPERIMENTALE PIEMONTE LIGURIA E VALLE D'AOSTA**

Other organization(consulting,association,...)

*PROFILE from Italy
(15IT209)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The IZSPLVA is a health governmental body founded in 1912. The Institute tasks are to guarantee consumer's health by protecting animal population health and welfare and by improving and controlling food and feed production, thus enhancing the safety levels for food and feed: it supports local and national veterinary services in epidemiological analysis, food hygiene and environmental control activity and research activity. National and local veterinary services, and professional veterinarian, breeders, food manufacturers and consumers too, can address to our Institute for scientific and technical advices, controls and animal health diagnostics. It guarantees high quality standards on compliance with general requirements set by ISO/IEC 17025. To the Institute belong the National Reference center for Biological methods applied to anabolic treatments in food producing animals (CIBA) and the National Reference Center for Animal Neuropathologies (CEA), the National Reference Centre for Surveillance and Monitoring of Animal Feed (CREAA). Projects:- European Network: Concerted Action SRTSE. European network for surveillance and control of TSE in Small ruminants (5th Framework).

- Slovakia - Twinning project for the implementation of a TSE surveillance system in Slovakia: participation as expert on genetics and TSE diagnosis.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- UE – Project: "Renforcement des structures de controles sanitaires, veterinaires et phytosanitaires"
-MA 06/AA/HE06.

- Netherlands – CIDC, Lelystad: "Research project under the call EMIDA and for the study of analytical sensitivity of all the approved rapid tests against atypical forms of BSE"

- France- Spain- UK- Greece- Germany: "EMIDA-ERANET: "Goat-TSE-Free; Towards breeding of goats for genetically determined TSE resistance".

- Macedonia – Strumica (Skopje). Capacity building of the veterinary service for implementation of EU Acquis - FYROM (2010/244-472)", Publ. ref: EuropeAid/128546/C/SER/MK, for "Training course on animal by products (ABP) and transmissible spongiform encephalopathies (TSE) ".

- Network of Excellence – Prevention, Control and Management of Prion Disease (NEUROPRION).

Expertise offered (related to the topic)

One of the main tasks of IZSPLVA is the development , standardization and validation of biological and analytical methods to investigate the safety and authenticity of food products. Our activity develops in close collaboration with an epidemiological staff with wide expertise in study design and elaboration of data. We develop high throughput screening methods for residues in food (hormonal, SRM...) based on rapid tests, reporter gene assays, biosensors, with particular reference to high quality products and baby food products, in collaboration with national and european SMEs.

We have a wide expertise in standardization and validation of histopathological protocols to detect microscopic changes related to food frauds (illicit hormonal treatments, undeclared substances or storage conditions) and validation of automated software for microscopic image analysis. Wide experience in rapid tests standardization and evaluation (ELISA, immunocromatography, WB) and histological and immunohistochemical diagnostic techniques applied to animal diseases and food safety.

Previous FP experience

Fifth Framework Programme of the European Community for Research, Technological development and Demonstration activities (1998 - 2002):

Network For Surveillance And Control Of Tse In Small Ruminant;

Sixth Framework Programme of the European Community for Research and Technological Development and demonstration activities (2002 – 2006):

NeuroPrion

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 - 2013):

STREP: Specific Targeted Research Project, "Goat BSE: Proposal for improvement of goat TSE discriminative diagnosis and susceptibility based assessment of BSE infectivity in goat milk and meat".

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

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Partnership Profile



LANDALUZ, ASOCIACIÓN EMPRESARIAL ALIMENTOS DE ANDALUCÍA

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES210)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

LANDALUZ is an association that gets together around one hundred and ten food producer companies from Andalusia, south of Spain, and gathers close to 70% of the Andalusian business sector. Our aim is to promote Andalusian high quality food products all over the world.

Expertise offered (related to the topic)

LANDALUZ, Asociación Empresarial Alimentos de Andalucía, was born in 1990 as the most important and relevant association in the agrifood sector in Andalusia. We have more that 20 years experience in the sector. We think we can contribute to the topic due to the years we have been working with food producers companies and our knowledge about the sector.

Role in the project

Training; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



COVAP

Large company

*PROFILE from SPAIN
(15ES211)*

TOPIC OF INTEREST

TOPIC

SFS-14-2014/2015: Authentication of food products

ORGANIZATION EXPERTISE

ENTITY PROFILE

COVAP is the largest agroindustry cooperative in Andalusia and is one of the most important in Spain, founded in 1959. The business scope is mainly focused on dairy products, animal feed, and meat products: 1) milk, milk shakes, enriched milks, 2) sheep, cow and goat cheese, 3) Iberian Ham and sausages, and 4) Iberian pig, beef and lamb meats. COVAP has an integrated production system based on an eco-sustainable model.

Its pastureland use rotational farming methods, meaning that the land is used to grow cereals for a period, and then used for livestock grazing. This kind of relationship between crop and animal farming is only possible due to a balance in the use of natural resources.

COVAP integrated production chain involves livestock, feeding, industrialization, commercialization and consumer (markets). The main advantage using this model is to have the control over the different steps till reach the end product and implement solutions from farm to fork. Each action at different levels will affect the rest in the chain, following up the quality and traceability of each end product. Moreover, COVAP has set up its own technical support service to get closer to members and to provide them with everything they need to improve their production conditions. A skilled team of professionals provides a highly personalised service to members by carrying out a lot of field work. There are now four main support areas: 1) Rural Engineering and the Environment, 2) Hygiene and Health, 3) Reproduction, and 4) Comprehensive Advisory Services to help members to take advantage with the support of Public Administration.

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Expertise offered (related to the topic)

Iberian hams are recognised as one of the highest food quality products, produced using low-impact farming practises, where animals are fed free on the Pasture land eating only acorns, grass and other natural products. Iberian hams are aged for 16–18 months, where pieces are controled with careful and skilled work. The consumer concern about certifications of provenance is increasing, and COVAP would be involved in technology development which contribute to provide evidence of authenticity, which will contribute to protect this high standard product from other of minor quality in the market.

Previous FP experience

COVAP has participated in the following International Research Projects: BRIDGE Project (6th FP) where the application of RFID in the processing of Spanish Iberian ham for traceability and storage management. Currently, COVAP is involved in a Research Project from 7th FP Called BIOFOS which attempt to develop a high-added value multi-analyte biosensor for quality control in food industry. Under the figure of EUREKA, COVAP is running the Project INFORMED, which ddresses online monitoring & control of production in the meat processing industry. Moreover, COVAP has huge experience in developing research projects financned by its own resources and with National funding, in areas such as Food quality, Food safety, Animal Health Status and Production Improvement, or New Products/Processes Development.

Role in the project

Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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Country: Spain

Contact person: Cristina Cabeza

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AINIA

Technological Centre

*PROFILE from Spain
(15ES212)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

ainia is a technology centre that works to promote the competitiveness of companies through innovation. With over 700 member companies and 1,200 clients, is one of Europe's technology centres with a largest business social base. Its mission is to give value to companies by leading innovation in a responsible and committed way. It work for the following sectors: Food; Environment and Energy; Packaging; Chemical products, cleaning and disinfection; Cosmetics and body care; Pharmaceuticals and biomedicine.

Ainia priority lines are: Food & Health; Food quality and safety; Design and industrial Production; Sustainability; and Consumer.

ainia technology centre offers solutions covering the entire typology of innovation needs of small, medium and large companies:

R&D&I:

- Product formulations: development, improvement, etc.
- Ingredients and raw materials: identification, validation, etc.
- Food, health: functionality of active ingredients, cell lines, bioavailability, nutritional improvement, etc.
- Security, authenticity and control: products, raw materials, processes.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Hygiene and hygienic design: equipment, facilities, processes.
- Packaging: design, materials, packaging systems, package-product interaction.
- Industrial process automation
- ICT applications to industrial and management processes
- Pre-normative research
- Sustainability: use of by-products and waste, biogas, carbon footprint, water footprint, etc.

Consulting and Management support

Analysis, laboratories, control

Industrial processes: BIOPROCESS; SCF TOLL MANUFACTURING; SUPPORT FOR INDUSTRIAL PROCESSES; Industrial-scaled.,

With 13,000 m2 of facilities, ainia has 10 pilot plants, 8 laboratories, 10 classrooms and training rooms, Consumolab (centre for analysis of consumer behavior through sensory analysis) and Altex (high-tech plant to provide a wide range of services based on supercritical CO2 extraction).

With a highly qualified team (over 70% of the staff are university graduates and PhD), multidisciplinary, confidentiality and flexibility to develop customized solutions tailored to the needs of each client are different elements of ainia as part of its corporate culture.

Expertise offered (related to the topic)

Regarding this specific topic, ainia can contribute with the following competencies and capacities:

1. From the point of view of new products development our experience in HELENA and CARNISENUSA project, can contribute to the research on design and nutritional improvement of specific foods (meat and dairy products) specially designed to specific population groups (adolescents). This methodology background gives New Products department the capacity to investigate the specific nutritional and sensory requirements of elderly people
2. Our experience on design of balanced diets for specific population groups studying the requirements of different population segments regarding nutritional requirements and food acceptance, preference and choice
3. Know-how for the development of new health products adapted to any population group
4. From our strong know-how and the experience to develop and functional evaluation of new foods we can contribute in this topic researching new dietary strategies to prevent and treat malnutrition

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in the elderly as well as evaluating the role of the nutrients and bioactive compounds through their bioavailability and interactions analysis

5. From the point of view of the consumer's acceptance, our strong know-how and the experience to investigate consumer's attitudes and perceptions about specific products, concepts or product information we can contribute in this topic to research and understand the impact of new developed methods for olive oil authentication related with the confidence of consumers and markets. Our olive oil sensory panel assesses olive oil samples according with the EU Regulation. Consumolab (ainia's trademark for sensory analysis) is accredited by the Spanish National Accreditation body (ENAC) under standard EN 17025 to conduct sensory tests. Expertise in projects related with sensory methods and their standardization as the aforementioned CALIBSENSORY project.

Previous FP experience

Projects: HELENA

Role in the project

Research; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: SEIMED

Organisation name: Ainia

Address: C/Benjamín Franklin, 5-11, Parque Tecnológico

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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES213)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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Expertise offered (related to the topic)

The RTD Centre expertise with regards to novel food processing lies in the development of previous national and international R&D projects where safe and healthy innovative food products have been elaborated.

CTAEX has standardized the elaboration at pilot scale of a wide range of food products. In this way, CTAEX has already researched into dairy, fish & meat and fruits & vegetables kind of elaboration processes with special attention to the development of innovative solutions for those consumers with special needs. Final conservation of the food products have been achieved from both conventional and cutting edge technologies e.g. pasteurization/sterilization, modified and active packaging, ultra-freezing, dehydration or employment of natural preservatives among others.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society '11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



DERETIL VITATECH S.L.U.

Technological Centre

*PROFILE from Spain
(15ES214)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Deretil Vitatech is the Deretil's group technological company. Deretil group is worldwide lider company in the development and production os semisynthetic antibiotic side chains (based in non natural chiral aminoacids like D-parahydroxyphenilglycine, D-Phenylglycine, D-Dihydrophenylglycine, D-Valine, etc).

From 2009 Deretil group started a growth strategy based in new bussiness in the fields of agronutrients (special fertilizers like micronutrients chelates, aminoacids, biestimulants, etc), and in 2013 started the development of active ingredients to be used in cosmetics, food and feed (natural antioxidants and other interesting molecules).

Relevant R&D projects are:

- Natural products extraction and purification (membranes, chromatography, etc). Examples like polyphenols, steviosides, tannins, anthocyanins, etc.
- Biomolecules obtained by fermentation to be applied in Agriculture (biofertilizars and/or biopesticides), nutrition and/or cosmetics.

Expertise offered (related to the topic)

We can be considered as a partner in the following activities:

- Special fertilizers design and formulation. Liquid and dried form.
- Spray drying granulation.

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- Process scale-up from lab to plant.
- Growth stimulants, elicitors, phytostrongthener with high antioxidant polyphenolic compounds, etc, based in natural extracts and microorganisms.
- Pilot and production plant suitable for demonstration stages in projects, including fermentation, microfiltration, chromatographic purification...
- Biotechnology, synthesis and analytical laboratories.

Previous FP experience

CADOX Project: "A coupled advanced oxidation-biological process for recycling of industrial waste waters containing persistent organic contaminants"

Project reference: EVK1-CT-2002-00122

Funded under: FP5-EESD

Country: Spain

Info: <http://cordis.europa.eu/projects/EVK1-CT-2002-00122>

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

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Partnership Profile

 **SURGENIA, CENTRO TECNOLÓGICO ANDALUZ DE DISEÑO**
Technological Centre
PROFILE from SPAIN
(15ES215)

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

SURGENIA, Technological Centre of Andalusian Design, is a non-for-profit foundation, listed as an Agent of Knowledge. It is the only Technological Centre of Design in Spain and it is supported by more than 20 trustees from varying strategic sectors.

The core activity of the centre is to create value through a deep and continuous analysis of trends and applicable technology, taking into consideration people's expectations, preferences and experiences.

This analysis is followed by a set of recommendations, aiming to improve competitiveness through R+D+i projects that use design as a tool for innovation and differentiation. To do so, our organization counts with multidisciplinary teams of researchers, designers, engineers, manufacturers and/or distributors.

The centre is specialized in the Agrofood Industry and has developed many projects supporting the sector and contributing to widen the knowledge about the consumer behaviour related to agrofood products, improve the companies' competitiveness and foster the development of novel packaging and product categories. Among these projects worth to mention the Research and Publication of Gastrotrends: Packaging design and consumption trends report on agrofood products ISBN 978-84-614-6712-9. As well as our participation in the project AGRO+: Morocco/Spain Cooperation Platform for the strengthening of the innovation capabilities in the agrofood industry. Recently we have also fostered the project CONSERVAPESCA, focused on the research of new uses of marine species and development of new product categories for retail, or the project COLDFRUIT, in process of the

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development of a new preservation system that allow fruit to be on a frozen point suitable for fast unfrozen processes in vending machines without losing its attributes.

Expertise offered (related to the topic)

Surgenia is experienced in the research of behaviours, cultural, demographic and socioeconomics effects on food consumption and lifestyle thanks to our Trends Observatory that monitors variables and extracts conclusions on a regular basis. This tool enables us to focus very efficiently in the main concern of the topic and could provide highly valuable insights related to this part of the research. Thanks to Surgenia's participation in the foundation Agropolis Cordoba (as trustee), we count on access to facilities where elderly people is being assisted. This point means that we can develop tests, observation etc. in the field and also allow us to put into practice a pilot or prototype of the diets and recommendations extracted in the project with the aim of proving their effects on well-being of the elderly. Regarding the cooperation with third countries part of our team counts on experience in Japan and The United States, which can be an asset in the proposal due to the recommendation of cooperating with countries such as those mentioned above. Surgenia is a Technological Centre very close to industry and specially to SMEs, in the last years we have supported R&D Projects and managed a large number of innovation projects for the development of new products and services. Our clients network in the agrofood industry belongs to sectors such as fruit and vegetables, traditional confectionary, vegetal preserves, fish-based processed food, meat, dairies etc. Finally, in order to maximize the project's impact, we can provide means to reach the target social groups and stakeholders in general, involving them all along the project's life; hence, they will be able to better acknowledge its benefits.

Previous FP experience

We have been part of the following consortium for 7th Framework Programme, although we have not been granted until the moment: CLEAR (Consumer Labelling Expertise Advice Research), for the topic KBBE.2012.2.1-01: Role of health-related symbols and claims in consumer behaviour; also in the consortium EuroFoodNET - 2030: Back to the Future for Traditional Food in Europe. A Network for 2030, addressing the topic KBBE.2013.2.3-02 Network for the transfer of knowledge on traditional foods to SMEs.

Role in the project

Research; Tech. Development; Dissemination

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



DANISH TECHNOLOGICAL INSTITUTE, DMRI

Technological Centre

*PROFILE from Denmark
(15DK369)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

DMRI (Danish Meat Research Institute)

A Division of Danish Technological Institute

60 years of service for the international meat industry has made DMRI the leading research, development and innovation center for food of animal origin. The activities cover the entire production chain, from collection of animals at the farm, slaughter and meat processing all the way to the dining tables at the households. We cover all aspects of the meat production process and possesses leading competences in production efficiency, meat quality and food safety. We participate in European R&D&I projects, and provide consultancy and cooperation to the international meat industry and to the suppliers of processing equipment and other supporting industries.

DMRI is one of the most important innovation partners for the Danish food industry. Thanks to the diversity of our different skillsets and disciplines, we position uniquely to innovate the entire process of turning livestock into high quality healthy meals with special attention on improving the efficiency of the entire value chain.

DMRI is a self-owned and non-profit institution and is part of Danish Technological Institute. We develop, apply and disseminate research- and technologically-based knowledge for the International business sectors. Our most important task is to ensure that new knowledge and technology quickly convert into value for our customers in the form of new or improved products, materials, processes, methods and organizational structures.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

To obtain the invited impact in the elderly target group new food products, which support active and healthy ageing and help prevent malnutrition, must be designed and developed. In order to obtain the expected impact it is crucial that the new products are consumed by the elderly and therefore are of high sensory quality both in terms of taste, odour, appearance and especially free of off-flavours.

DMRI have for several years worked on identifying which carcass component that, after hydrolysis, possess a high content of ACE-inhibitor (Inhibitors of Angiotensin Converting Enzyme) which can lower blood pressure. We tested various meat products suitability to carry the hydrolysed carcass component including both sensory characterisation of the products and consumer testing. DMRI have also worked on utilising the satiating effect of animal proteins which is relevant in fighting obesity. This work included development of healthy generic prototype products which, by private meat companies, have been further developed and introduced on the Danish retail market.

In relation to the topic DMRI can offer expertise in designing and developing new food product, sensory characterisation, consumer testing, relevant chemical characterisation of product or product component (ACE activity, amino acid composition, antioxidative activity, nutritional composition, etc.), contact to the food industry and retail market. DMRI are experienced in executing R&D projects in close co-operation with the food industry, retailers, interest organizations and universities. This co-operation takes place on an international level with companies and organizations throughout the EU and outside EU.

Previous FP experience

Broad companywide experience with applying, managing and participating in both FP6 and FP7 projects. The DMRI division at DTI is currently involved as a coordinator in one FP7 project and a partner in several others.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Denmark

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK216)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CHAM FOODS

SME

*PROFILE from Israel
(15IL217)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Working together with sustainable growers and farms for the supply of fruits and vegetables and herbs.

Receipt and handling of naturals in large scale.

Supportive in-house laboratory testings through all parts of processing.

Processing including concentration, cold and hot break, aseptic filling.

Drying processes such as spray drying and freeze drying in pilot and commercial scale.

Natural raw materials dried as powder or sliced or concentrated.

Role in the project

Research; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: MATIMOP-ISERD

Organisation name: Israel-EU R&D Directorate

Address: Industry House, 29 Hamered St.

City: Tel Aviv

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Country: Israel

Contact person: Uri Fishelson

Telephone: 972-3-5118171

Fax: 972-3-5170020

E-mail: uri@iserd.org.il

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK218)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



EUROESPES BIOTECNOLOGÍA

SME

*PROFILE from
(15ES219)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ebiotec is a Spanish company founded in 2001, focused on research and development of innovative nutraceutical and technology services applied to health and human and animal consumption, allowing early diagnosis, disease prevention and individualized treatment. R&D activities:

- Molecular mechanisms of neuroinflammation.
- Receptors and signal transduction mechanisms.
- Development and function of neural networks.
- In vitro models of cultured neuronal embryonic cells.
- Models of in vitro primary neurons, microglia and astroglia cell cultures.
- In vitro models of tumor cell lines.
- In vivo models of neurodegeneration.
- In vivo models of inflammation.
- In vivo tumorigenesis models.

Expertise offered (related to the topic)

Biotechnology department at Ebiotec has been working since 1995 to the development of nutraceuticals from marine organisms. Many articles have been published on international journals, and different nutraceuticals have been developed for human consumption and are already in the

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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national and international market. One of the main interest, related to the SFS-16-2014 topic, is to use our in vitro and in vivo ageing models to look at the development of new nutraceuticals for elderly.

Previous FP experience

Ebiotec is involved in the seventh framework programme (theme 2): Food, Agriculture and Fisheries, and Biotechnology. Project full title: Exploring Marine Resources for Bioactive Compounds: From Discovery to Sustainable Production and Industrial Applications". Project acronym: MAREX.

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



PEVESA BIOTECH S.A.

SME

*PROFILE from Spain
(15ES220)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Protein derived products (protein isolates, concentrates, hidrolysates, peptides, aminoacids,...).

Sectors: food, cosmetics, agroproducts, feed, veterinary, pharma and fermentations.

Relevant projects: Pronaos (foods for healthy life), Prot4Food (proteins for near future), BioAndalus (functional peptides from natural sources), Gln and Arg rich hydrolysates (production and use of), Bio-Andalus (research in second generation biofuels)...

Expertise offered (related to the topic)

Functional peptides (production of),

Aminoacid based products (nutritional, fertilizers, cosmetics,...)

Protein extraction from natural sources (including waste management of rich in protein ones).

Protein based formulas (protein ingredient develop)

Demonstration in pilot scale (bioreactors, separators and dryers available for selected projects)

Protein derived products (protein isolates, concentrates, hidrolysates, peptides, aminoacids,...) in diverse uses.

Enzymatic technology (use of enzymes)

Previous FP experience

Start of the company based in life project,

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Participant in Food For Life platform,

Participant in Eureka and H2020 calls

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Rocío Muñoz Maestre

Telephone: 34955058103

E-mail: rocio.munoz.maestre@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
DIFFERENTIATED & BIOFUNCTIONAL FOODS**

R&D Institution

*PROFILE from Denmark
(15DK221)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research activities in Aarhus University's Department of Food Science encompass the entire food chain from field to fork, as well as the health-promoting properties of foods and food constituents.

The Department of Food Science possesses leading capabilities and resources, as well as active national and international networks, and is therefore able to make significant contributions to current food-related global challenges: food supply, food wastage, sustainable food production under changed climatic conditions, and increased occurrence of lifestyle-related diseases. Additional focus areas include food quality, differentiation of foods, and novel, convenient and healthy foods.

Most of the research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of research findings to the benefit of industry and society.

The research creates basic and application-oriented knowledge on animal and plant-based food products and promotes a sustainable and safe food production with regard to food supply, consumers, industry and current legislation.

The five science teams:

Plant, Food and Sustainability - Plant, Food and Climate - Differentiated and Biofunctional Foods - Food Chemistry and Technology Food - Metabolomics and Sensory Science.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

The science team leader is engaged in research in meat quality including responses/status of the live animals prior to slaughter affecting processes post mortem when muscle is turned into meat. Areas of special interest include oxidative status, stress, metabolically active compounds, and plant metabolites.

She carries out animal experiments combined with model systems of e.g. primary culture cells to investigate mechanisms related to the focus areas.

Presently she works on two projects investigating 1) mobility of water in relation to water holding capacity, including effects of creatine supplement and 2) effects of plant metabolites on cellular stress. The science team's activities focus on how to improve product quality, add new positive features to well-known food products or develop new types of food product.

The topics include evaluation of product quality parameters such as the tenderness of meat and the taste of vegetables, fruit and milk, and bioactive and nutritionally important constituents of meat, dairy and plant products. The team's activities also include new ways of producing foods such as in vitro meat or vertical farming systems, as well as the exploitation of plant medicines and plant-produced pesticides.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE - DIFFERENTIATED & BIOFUNCTIONAL FOODS**

R&D Institution

*PROFILE from DK
(15DK222)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Satellite cells and sarcopenia in relation with diet and exercise. Senior researcher's research area is muscle biology (muscle metabolism and development, and growth) in relation to meat quality (Water holding capacity, colour, pH, and sensory quality). Has developed a primary muscle cell cultures, which he uses as a model for muscle to study regulation of muscle development and growth, muscle metabolism and some meat quality traits. Results from muscle primary cell cultures support studies on whole animals where he is interested in foetal muscle development, growth, metabolism and meat quality in the whole chain from conception to consumption. Furthermore, part of his research is dealing with welfare diseases based on changed muscle metabolism e.g. type II diabetes and foetal programming of muscle development, growth and metabolism in response to sub-optimal nutrition.

Expertise offered (related to the topic)

Research activities within the fields mentioned above.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Interveg - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
FOOD, METABOLOMICS AND SENSORY SCIENCE**

R&D Institution

*PROFILE from Denmark
(15DK223)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research field is within sensory and health quality of plant based food in relation to raw material, storage and processing. Sensory analysis comprises consumer preferences and descriptive sensory analysis using a trained sensory panel. Health quality comprises compounds such as glucosinolates, carotenoids, phenolics and polyacetylenes, which are related to aspects of especially the sensory quality but also the human nutrition and health.

Expertise offered (related to the topic)

Alteration of taste and smell (sensory perception) in different population groups (e.g type 2 diabetes patients and elderly), contribution to development of nutritious food that match the alteration in sensory perception in elderly and humans suffering of chronic diseases.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy`s Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

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 Business Support on Your Doorstep	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Interveg - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Contact person: Anders Skeem

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE - FOOD, METABOLOMICS AND SENSORY SCIENCE**

R&D Institution

*PROFILE from Denmark
(15DK224)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

The group is working with metabolomics applications in food and nutrition research. Activities include metabolite profiling of food items including vegetables, fruits, dairy products and fresh meat and meat products with emphasis on the health potential, storage-induced changes and quality of the food items. The metabolomics activities also include analyses on biofluids (blood, urine, saliva) and tissue samples. Biofluid-based and tissue-based metabolomics is applied in research projects to elucidate the impact of diet on metabolism and health markers in relation to human diet and human health. As examples, impact of intake of intact and modified (hydrolysis) dietary protein and different dietary protein sources has been elucidated by applying metabolomics on biofluid and tissue samples collected from animals fed the different dietary proteins. Biofluid-based and tissue-based metabolomics is also applied to elucidate metabolism in husbandry animals in relation to production systems and other pre- and post-slaughter factors. As examples, metabolomics has been applied on blood samples collected from pigs to elucidate the impact of exposure to pre-slaughter stress and introduction of a resting period prior to slaughter and metabolomics has been applied on pork from different crossbreeds in order to elucidate relation between meat metabolites, meat quality and sensory perception.

The analytical platform contains LC-MS- and NMR-based techniques including magic angle spinning probes for measurements on semi-solid materials such as foods and low-field NMR relaxometry for determination of water mobility, water-protein interactions and water-binding properties of foods.

Expertise offered (related to the topic)

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Within metabolomics , biomarker identification, muscle physiology, meat science.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy`s Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALÍCIA FOUNDATION, FOOD & SCIENCE, PRIVATE FOUNDATION

R&D Institution

*PROFILE from Spain
(15ES225)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Alícia (Ali-mentació i cièn-cia, acronym for Food&Science), a not-for-profit Foundation created in 2003, is a research centre devoted to technological innovation in cuisine, improvement of eating habits and evaluation of food and gastronomic heritage. We have social vocation, open to everyone to promote healthy eating: we work for everybody to eat better. Check our webpage in english for images & more info: <http://www.alicia.cat/en/>

Alícia is structured around three functional areas whose tasks are interrelated:

1. Gastronomic and scientific research
2. Health and eating habits
3. Food Heritage

Relevant R&D projects (see specific topic R&D below)

- FP7/311754. Optimized food for elderly population (OPTIFEL).
- CEN-20072016T. FUTURAL food: safer, more nutritious, convenient and smarter.
- Research into products with specific applications: gelling agents, emulsifiers, thickeners, sweeteners, salts, colorants, flavoring for culinary solutions.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Elaboration of a collection of recipes based on produce with officially recognized hallmarks of origin in Catalonia: PGI (Protected Geographical Indication) and PDO (Protected Origin Denomination) for the Department of Agriculture, Government of Catalonia. Olive oils, pears, hazelnuts....

- Study of the different models of schools' dining-rooms which are established among Catalan educational centers. [In collaboration with ODELA, Barcelona University]

Expertise offered (related to the topic)

Alícia has extensive expertise with elderly nutrition through its technology development department and by working with residences, hospitals, school dining rooms and catering firms.

We work on the research and development of tools and procedures that bring an improvement in culinary proposals to elderly centres, and to catering companies that plan, prepare and serve meals for large numbers of people.

Our expertise in relation to the topic scope and impact:

- Capacity to develop dietary strategies for malnutrition in the elderly & prevention of functional decline: local & quality produce, mediterranean diet foods.

- We value & works in holistic approaches to nutrition, applicable to the elderly.

- We work with an extensive stock of innovative & nutritious food stocks and sources: adaptation of traditional & local varieties, new marine food sources, etc.

- Production of specialized home food preparation recipies (e.g. recipe book for Lekué cooking devices company).

- Our Cooking Research Department can develop innovative nutritional products and services for the elderly, and transfer them to knowledge & best practice tools.

Previous FP experience

- FP7/311754. Optimized food for elderly population (OPTIFEL)

- CEN-20072016T. FUTURAL food: safer, more nutritious, convenient and smarter.

- Evaluation & proposals to improve meals served to users at University Hospital Trias i Pujol, Badalona. [with the catering company]

- Adaption of mashed food to rediscovery flavours according to the basal diet of social health-care centres and hospitals.

- Appropriate nutritional assessment in order to guarantee protein intake, as well as other essential nutrients.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Cooking & meal management training welfare and elderly assistance centres.
- Meeting point sessions to share elderly cooking & meal management experiences and resolve doubts.
- Novel forms of serving to improve dish visual appearance and presentation.

Role in the project

Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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Country: Spain

Contact person: Cristina Peña

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E-mail: cpenya@gencat.cat

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FRANKENFOERDER FORSCHUNGSGESELLSCHAFT MBH

R&D Institution

*PROFILE from Germany
(15DE226)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Frankenfoerder Forschungsgesellschaft (FFG) was established in 1991. The FFG is based in Luckenwalde (Brandenburg) and has a scientific department in Berlin. Applied research in the field of agriculture, veterinary medicine and nutrition is the main focus of the non –profit Research Foundation. With permanently employed staff, a team of freelance collaborators and a wide network of national and international partners the FFG perceives itself as a link between science and practice. The FFG has a broad spectrum of research and development expert knowledge and carries out applied research and development for the benefit of small and medium-size-businesses. The know-how for healthy food and innovative products as well as the creation of optimal conditions for healthy animals could and can be applied in different research projects, for example:

- Development of senior-focused, healthy convenience foods on the basis of traditional formulae as well as customer-friendly packaging for these products
- Development of an innovative process to produce functional poultry meat products under addition of folic acid, vitamin B and vitamin D
- Development of a gentle process for washing fruits and mushrooms using ultra sound to prevent consumer hazards by food-related germs.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

In the constant process of change, especially in agriculture, veterinary medicine and nutrition, new challenges for innovative products and techniques are required. The Frankenfoerder Forschungsgesellschaft provides the know-how for the industry.

Core competencies nutrition and food safety:

- Process, technology and product development for the food industry
- Development of new products in the interest of a healthy diet
- Development of a diet suitable for children and senior for community facilities
- Development of practice-orientated examination methods for foodstuff and their introduction into quality control process of food manufactures

Because of the auditing of farming enterprises (QS system) the Frankenfoerder Forschungsgesellschaft has a wide network of practice partners and application enterprises. The FFG uses the synergy of its core competencies to develop optimal custom-designed solutions and provides applied research particularly for the SME sector.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

Postcode: 45470

City: Mülheim/Ruhr

Country: Germany

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE227)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Institute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and development projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The department of Beverage Technology holds competences in research projects focussed on the development of functional beverages and fermentation technologies. Beverages can be produced from lab scale up to large scale of 500 L per batch. All important downstream technologies are available in large scale.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The institute participates in a number of ongoing nationally-funded projects. The research departments have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

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City: Mülheim/Ruhr

Country: Germany

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



SIK SWEDISH INSTITUTE OF FOOD AND BIOTECHNOLOGY

R&D Institution

*PROFILE from Sweden
(15SE228)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

SIK is a non-profit industrial research institute with the purpose of strengthening the competitiveness of its member companies and contribute to a sustainable development of the food sector. SIK has five main competence areas: 1) Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. Competence in biofilms. 2) Sustainable Food Production; LCA: Methods development, impact of different foods on the environment and climate, Agricultural and marine raw materials. LCM: (Life Cycle Management): System analysis of food and bio-based materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products. 3) Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, Process technology: optimise traditional processes and develop novel techniques, rapid heating processes, such as microwaves, IR technology and impingement. Development of new technologies as well as combinations of new and traditional technologies. 4) Sensory and Flavour Science; Sensory science; Sensory science that is related to both the chemical and physical features in the products that are being analysed. Consumer choices and experiences in different situations, Aroma chemistry: The chemical background to the aroma experiences registered by our senses, Interactions between food and packaging: The sensory, chemical and microbiological impact of packaging solutions on food quality during storage. 5) Structure and Material Design; Material design

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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for tailored innovative products: Biopolymers, Innovative food textures, Renewable packaging materials, Antimicrobial function of materials. Structure design; Microstructure and rheology applied in the design of new structures. Advanced microscopy combined with image analysis, Experimental rheology combined with viscoelastic flow simulation. Nano- and microtechnology.

Expertise offered (related to the topic)

1) Sensory and Flavour Science; Sensory science; Sensory science that is related to both the chemical and physical features in the products that are being analysed. Consumer choices and experiences in different situations, Aroma chemistry: The chemical background to the aroma experiences registered by our senses. 2) Structure and Material Design; Material design for tailored innovative products: Innovative food textures, Antimicrobial function of materials. Structure design; Microstructure and rheology applied in the design of new structures. 3) Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. 4) LCA: impact of different foods on the environment and climate, Agricultural and marine raw materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products. 5) Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, rapid heating processes, such as microwaves, IR technology and impingement.

Previous FP experience

Coordinated FP7-project "ProPraline" (218423) Structure and processing for high-quality chocolate pralines. Partner in FP7-project "HighTech Europe" (222824) European Network for integrating novel technologies for food processing. Partner in FP7 project "LEO" (613581) Enabling small-to-medium sized oven technology producers and bakeries to exploit innovative Low Energy Ovens. Partner in FP7-project "FAHRE" (245278) Food and Health research in Europe. Partner in FP7-project "SENSE" (288974) Harmonised environmental sustainability in the European food and drink chain. Partner in FP6-project "HELENA" (7034) Healthy Lifestyle in Europe by Nutrition in Adolescence

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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EEN node: SWENET

Organisation name: SIK Swedish Institute for Food and Biotechnology

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Postcode: 402 29

City: Gothenburg

Country: Sweden

Contact person: Mr Jesper Lindstrom

Telephone: + 46 - 10 - 516 66 07, Cell + 46 - 76 - 127 26 24

E-mail: jesper.lindstrom@sik.se

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



TRACE ELEMENT, SPECTROSCOPY AND SPECIATION GROUP. UNIVERSITY OF SANTIAGO DE COMPOSTELA.

R&D Institution

*PROFILE from Spain
(15ES229)*

TOPIC OF INTEREST

TOPIC

SFS-16-2015: Tackling malnutrition in the elderly

ORGANIZATION EXPERTISE

ENTITY PROFILE

Title: Optimization of the fat acids profile in milk through the cow feeding

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2006-2007, Participants : Feiraco, USC

Title: Optimization of minerals contents in cow milk through cow feed and zootechnical management of cow farms

Financial support: Consellería de Innovación e Industria, Xunta de Galicia

Date: 2007-2008, Participants: Feiraco Lácteos , USC

Title: Development of molecular imprinted polymers (MIP) for their application in the food field ,MIPFOOD

Financial support: Ministerio de Ciencia e Innovación (IMPACTO)

Date: 2010-12, Participants: 13 Universities and Companies

Title: Improvement in the detection and determination of drugs in clinical samples for a rapid and reliable answer in the toxicological-forensic laboratories.

Financial support: de Educación e Ordenación Universitaria, Xunta de Galicia

Date: 2011-2013, Participants: USC

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Title: Use of the multifunctional nanoparticles for the simplification of the analytical methods.

Finantial support: Consellería de Educación e Ordenación Universitaria, Xunta de Galicia

Date: 2011-2013, Participants: USC

Title: Multielemental, chemical and functional Speciation of trace elements in dissolve organic matter in seawater

Finantial support: Ministerio de Ciencia e Innovación

Date: 2009-2012, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Title: Tracking Drug Trafficking (TDT)

Finantial support: European Comission, Directorate-General Justice

Date: 2012-2015, Participants: Universitá Católica del Sacro Cuore, Roma, Italia,

Universidad de Santiago de Compostela, Spain

Title: Innovations in functional-chemical speciation in environmental nanotecnology (nanometrology). Characterization of artificial nanoparticles and natural organic

Finantial support: Ministerio de Economía y Competitividad

Date: 2013-2015, Participants: Universidad de Zaragoza, Universidad de Santiago de Compostela

Expertise offered (related to the topic)

Trace Element Speciation Studies. Development of functional foods. Development of analytical methodology for the study of bioavaliability of trace elements and organic compounds in foods using in vitro digestion methods. Development of analytical methodology for the study of trace elements and endocrine disruptors in foods. Studies of transfer of chemical compounds from the packing to the food.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

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E-mail: galactea@cisgalicia.org

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AINIA

Technological Centre

*PROFILE from Spain
(15ES230)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

ainia is a technology centre that works to promote the competitiveness of companies through innovation. With over 700 member companies and 1,200 clients, is one of Europe's technology centres with a largest business social base. Its mission is to give value to companies by leading innovation in a responsible and committed way. It work for the following sectors: Food; Environment and Energy; Packaging; Chemical products, cleaning and disinfection; Cosmetics and body care; Pharmaceuticals and biomedicine.

Ainia priority lines are: Food & Health; Food quality and safety; Design and industrial Production; Sustainability; and Consumer.

ainia technology centre offers solutions covering the entire typology of innovation needs of small, medium and large companies:

R&D&I:

- Product formulations: development, improvement, etc.
- Ingredients and raw materials: identification, validation, etc.
- Food, health: functionality of active ingredients, cell lines, bioavailability, nutritional improvement, etc.
- Security, authenticity and control: products, raw materials, processes.
- Hygiene and hygienic design: equipment, facilities, processes.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Packaging: design, materials, packaging systems, package-product interaction.
- Industrial process automation
- ICT applications to industrial and management processes
- Pre-normative research
- Sustainability: use of by-products and waste, biogas, carbon footprint, water footprint, etc.

Consulting and Management support

Analysis, laboratories, control

Industrial processes: BIOPROCESS; SCF TOLL MANUFACTURING; SUPPORT FOR INDUSTRIAL PROCESSES; Industrial-scaled.,

With 13,000 m2 of facilities, ainia has 10 pilot plants, 8 laboratories, 10 classrooms and training rooms, Consumolab (centre for analysis of consumer behavior through sensory analysis) and Altex (high-tech plant to provide a wide range of services based on supercritical CO2 extraction).

With a highly qualified team (over 70% of the staff are university graduates and PhD), multidisciplinary, confidentiality and flexibility to develop customized solutions tailored to the needs of each client are different elements of ainia as part of its corporate culture.

Previous FP experience

AINIA participates in over 200 R&D projects / year (national and international, cooperative and under contract), as well as a high number of consulting and training activities. Our most relevant projects are: OPTIMOILS; MEDA GO TO EUROPE; TRACEBACK; BIOACTIVE; BIODET; APTPACK; VINISERV; HELENA; GRUB'S UP; EMENSA; EuroMedCitrusNet; IRC-CENEMES (all EU FP6); PH-BOTTLE, KNOWLEDGE 2 INNOVATION; AGRIFOODRESULTS; TRACK_FAST; BIOLISME; ADWISE; BIOMAN; BIOLISME 2; GREENFOODEC; SUCCIPACK; SUSCLEAN; EDEN; BAKE4FUN; PATHWAY 27 (EU FP7). In addition, AINIA participates in other EU Programmes: SEIMED, SWITCH4FOOD, ECO3CIP (CIP); QBAKE, ERIE, MEAT-TIPS, INNSENS, GI-LEARN (Life Long Learning Programme), OZONECIP, INTEGRAL-B, ECODHYBAT, LO2X, WHEYPACK (LIFE); and QUBIC & FOODSME-HOP (INTERREG). AINIA is also leading the Agrofood Sector Group in the Enterprise Europe Network.

Role in the project

Research; Tech. Development; Dissemination; Demonstration

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: SEIMED

Organisation name: Ainia

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES231)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

CTAEX's expertise lies in the development of agricultural trials related to plant variety characterization, seeds and plant material multiplication, and crop management practices, specifically addressing sustainable crop production and mechanisms to increase productivity, stability, and quality of fruits, vegetables, cereals and legumes.

It also lies among the Agricultural Dpt. expertise the study of weed control and pest management through innovative procedures like the employment of aromatic and medicinal plant's bioactive compounds as well as those chemically interesting substances coming from the exploitation of by-products and residues of the agro-food industry. In this sense, up to 60 different vegetable species of Aromatic and Medicinal plants have already been successfully grown, extracted, characterized, and chemically and microbiologically evaluated in the search of bioactive compounds with different applications.

The soil quality and management is approached via the study of alternative cultivars, and the development of novel fertilization techniques including innovative eco-friendly amendments.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society '11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

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Country: Spain

Contact person: María García Rosa

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FUNDACION CENTRO TECNOLÓGICO ANDALUZ DEL SECTOR CÁRNICO (TEICA)

Technological Centre

*PROFILE from Spain
(15ES232)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Teica has become innovation service meat companies, agribusiness and auxiliary, expanding its business base. Teica activity, which has been growing exponentially, it's focused on three priority areas: R&D, technical assistance and training, it is framed within the strategic lines are: direct service to companies, testing demanded by the industry, engineering support and process optimization, technology transfer, documentary support and training of all levels (basic, intermediate, technicians and managers). Teica has advised the meat sector companies in the deployment of processes and actions which represent and environmental improvement. This is the case of the implantation of the ISO 14001 Norm in companies, advising to enterprises in the accomplishment of environmental improvement actions within the program ECOINNOCAMARAS, and studying the viability of a biogas plant in the region using as substrates the meat industry residues. On the other hand, within A2TRANSFER (POPTec program, FEDER funds) and TRATECAR (REINDUS program) projects, Teica has made technology transfer activities based on improving production processes that make companies more environmentally sustainable. Teica throughout the project A2TRANSFER, cooperates with cattlemen and breeders of Spanish and Portuguese autochthonous breeds animals. During the development of that project has Teica technology transfer activities focused on HACCP. Likewise, TEICA is advising ACROL cooperative (farmers and breeders of organic lamb) in commissioning of new facilities in which they will transform their small production for sale of meat. TEICA advises INDECCO, in organic goose breeding and development of

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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products based on their meat. INDECCO is a small exploitation of geese raised on pasture. During the project development RETCETEC (POCTEFEX program, FEDER funds), TEICA has developed five prototypes of 5th range halal dishes. The same way, Teica technicians have participated as speakers at various seminars for environmental improvement. Teica has a laboratory which performs all types of analytical to the meat sector companies, including sewage, and a pilot plant for the development of new processes.

Expertise offered (related to the topic)

Teica collaborates with farmers' associations for the enhancement of products from local breeds and livestock, DEHESA VALOR project. Teica has carried out the development of new products based on organic goose (GDR-FEADER), Iberian pork products obtained bred and fed in the chestnut (GDR-FEADER). In the project RETCETEC (POCTEFEX program) Teica developed five prototypes of 5th range halal and organic dishes, using organic lamb *lojeño*. Teica work carried out for the recovery of livestock biodiversity in Andalucía. Advises farmers in the deployment of HACCP systems and performs analytical control of these. Also have been carried out technology transfer activities for *mejorar* the efficiency and competitiveness of small farms.

Previous FP experience

TEICA has participated as principal beneficiary or as a partner in various calls of 7FP, the projects submitted were EVIPER, MICROGEST and NEWGOATPRO. TEICA has participated as principal beneficiary or as a partner in various calls of LIFE program, Modelling Biocontrol of *Listeria monocytogenes* in the Meat Industry, DEHESA VALOR and REWATER. Teica has carried out several projects financed by FEADER and FEDER funds. Programs POPTEC, POCTEFEX and GDR-FEADER.

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Country: Spain

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E-mail: cristina.cabeza@juntadeandalucia.es

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



SURGENIA, CENTRO TECNOLÓGICO ANDALUZ DE DISEÑO

Technological Centre

*PROFILE from SPAIN
(15ES233)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

SURGENIA is a non-for-profit foundation, listed as an Agent of Knowledge. It is the only Technological Centre of Design in Spain and it is supported by more than 20 trustees from varying strategic sectors.

The core activity of the centre is to create value through a deep and continuous analysis of trends and applicable technology, taking into consideration people's expectations, preferences and experiences.

This analysis is followed by a set of recommendations, aiming to improve competitiveness through R+D+i projects that use design as a tool for innovation and differentiation. To do so, our organization counts with multidisciplinary teams of researchers, designers, engineers, manufacturers and/or distributors.

The centre is specialized in the Agrofood Industry and has developed many projects supporting the sector and contributing to widen the knowledge about the consumer's behaviour related to agrofood products, improve the companies' competitiveness and foster the development of novel packaging and product categories. Among these projects it is worth to mention the Research and Publication of Gastrotrends: Packaging design and consumption trends report on agrofood products ISBN 978-84-614-6712-9. As well as our participation in the project AGRO+: Morocco/Spain Cooperation Platform for the strengthening of the innovation capabilities in the agrofood industry. Recently we have also fostered the project CONSERVAPESCA, focused on the research of new uses of marine species and

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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development of new product categories for retail, or the project COLDFRUIT, in process of the development of a new preservation system that allow fruit to be on a frozen point suitable for fast unfrozen processes in vending machines without losing its attributes.

Expertise offered (related to the topic)

Surgenia has been working for years with Rural Development Groups in the south of Spain. The expertise of the team in this field can be applied to the research within the regions of Spain where small farms are representative and contribute to the development of their territory. We can provide market research experience in order to characterize the economy in rural areas and study its impact. Besides, we offer our experience in design for the dissemination of results in an attractive and user-friendly way. In order to maximize the project's impact, we can provide means to reach the target social groups and stakeholders in general, involving them all along the project's life; hence, they will be able to better acknowledge its benefits

Previous FP experience

We have been part of the following consortium for 7th Framework Programme, although we have not been granted until the moment: CLEAR (Consumer Labelling Expertise Advice Research), for the topic KBBE.2012.2.1-01: Role of health-related symbols and claims in consumer behaviour; also in the consortium EuroFoodNET - 2030: Back to the Future for Traditional Food in Europe. A Network for 2030, addressing the topic KBBE.2013.2.3-02 Network for the transfer of knowledge on traditional foods to SMEs.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Country: Spain

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK234)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver

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the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Telephone: 4540309637

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **COMMUNIQUÉ**
SME
PROFILE from Denmark
(15DK235)

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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City: Tjele

Country: Denmark

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



INSTITUTE FOR FOOD STUDIES & AGROINDUSTRIAL DEVELOPMENT IFAU

SME

*PROFILE from Denmark
(15DK370)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

IFAU is a private company specialised in European and international food and agribusiness. IFAU carries out applied research on market aspects, consumer trends, innovations, trade, certifications and value chains. IFAU has worked with all food industry sub-sectors as well as technologies, ingredients and packaging for the food industry. IFAU has a comprehensive network to companies, organisations, research facilities and other bodies across the EU food sector. Relevant projects: European network for financing food innovation ENFFI (FP6, coordination action); Enhancing the innovative of food SMEs through strategic network behaviour NETGROW (FP7, research project).

Expertise offered (related to the topic)

Understanding of food value chains, distribution patterns, innovations, certifications, consumer trends, and the food industry in general in EU and other countries. Understanding of SMEs in the food chain. Expertise in conducting interviews, workshops, conferences, training of food SMEs, producing reports, and communication. Fluent in English, Danish, Swedish and German.

Previous FP experience

FP6 coordination and support action ENFFI project; FP7 research project NETGROW.

Role in the project

Research; Training; Dissemination;

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FAICO. FUNDACION ANDALUZA DE IMAGEN COLOR Y OPTICA

R&D Institution

*PROFILE from SPAIN
(15ES236)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

FAICO is a private non-profit organization located in Seville and Cádiz (Andalusia, Spain), specialist in technological solutions through the application of industrial optics, especially in the areas of Cultural Heritage Conservation and Industrial Process Automation.

Machine vision applications:

- Automation of industrial manufacture, processing and packaging.
- Safety systems in industrial environments
- Quality control/failure detection
- Visual stock control and management systems
- Control of vehicles and industrial robots

Inspection of surfaces

Relevant R&D Projects:

A2 TRANSFER: PROMOTION OF INNOVATIVE TECHNOLOGICAL SOLUTIONS IN THE AGROFOOD INDUSTRY IN THE REGIONS OF ANDALUSIA AND ALENTEJO

Programme: POCTEP; Duration: 24 M; Budget: 700.000 € (525.000 FEDER)

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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GEEWHEZ: MANAGEMENT AND LEISURE MIDDLEWARE FOR THEME PARKS AND ZOO

Programme: FP7; Duration: 24 M; Budget: 1,635,080 €; Role: Partner

AUTOMATED SYSTEM FOR CLASSIFICATION OF ALEVINS IN FISH FARMS

Programme: Agentes del Conocimiento; Duration: 12 M; Budget: 213,088 €

AUTOMATED PROCESSING PLANT OF CRAYFISHES

Programme: (Private Funding)

RIPE&SWEET: Developing a hyperspectral system to check out the quality of fruits and vegetables

Expertise offered (related to the topic)

FAICO is officially qualified as Technology and Innovation Support Centre by the Spanish Ministry of Science and Innovation, being today a Technology Reference Centre in the industry. FAICO specializes in the fields of Machine Vision, 3D Design/Digitizing, Graphic Arts and Optics Engineering. Our mission is to provide the customers with the best technological solutions tailored to their needs. We apply our resources to develop, implement and optimize industrial processes and products in relevant fields of expertise. The main RTD activities and technological Solutions are as follows:

Machine Vision Applications

3D Design/Digitizing

Printing Technology

Previous FP experience

Geewhez Project (RTD Performer): Development of a surveillance system to control the behavior of visitors during their stay at the Park, the behavior of animals or the detection of escapes especially during the night in Animal Theme Parks. <http://www.geewhez.eu/>

A2Transfer Project: New technology transfer in agro-food industry in Andalusia-Alentejo <http://www.a2transfer.es/>

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 Business Support on Your Doorstep	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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City: Sevilla

Country: Spain

Contact person: Jaime Durán

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E-mail: jaime.duran@juntadeandalucia.es

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



FUNDACIÓN CAJAMAR

R&D Institution

*PROFILE from ESPAÑA
(15ES237)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Station is dedicated to the research and development of new technologies, methods and products related to greenhouse vegetable production, and to mediterranean fruit production. In addition to developing improved farming practices, this centre is actively involved in the dissemination of these experimental results. Currently, the research lines of the Experimental Station are addressed to the harmonisation of economy and environment, maximising farmers' profits and maintaining the natural resources of the region. Relevant projects: Efficient use of inputs in protected horticulture, Smart tools for Prediction and Improvement of Crop Yield...

Expertise offered (related to the topic)

Spain is now the second country in the world in number of greenhouses, with most of them concentrated in the province of Almería, the epicenter of an agribusiness which generates two billion euros per year. The greenhouse plants are extremely vulnerable to pests and diseases. However, pesticide use is permitted only respecting the concept of 'zero waste'. Moreover, the globalization of markets has resulted in the need for farm produce quality agricultural products in order to increase their competitiveness in the international market. The project's overall objective Ecological Infrastructure design, technology designed to increase efficiency in the biological control of pests in areas of horticultural greenhouse production, reducing the need for pesticides and increasing the quality of products.

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Previous FP experience

Nowadays we are taking part in the project: New technologies to increase the efficiency of biological control of pests in greenhouses areas.

Role in the project

Research; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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City: Sevilla

Country: Spain

Contact person: Cristina Cabeza Fernández

Telephone: 34955048511

E-mail: cristina.cabeza@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



UNIVERSITY OF CORDOBA - RESEARCH GROUP MICAL

R&D Institution

*PROFILE from Spain
(15ES238)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

MICAL is a Researching Group of the University of Cordoba. Field of knowledge: Food Microbiology & Food Hygiene. Control and detection of pathogen microorganisms, mainly using alternative methods, as VIDAS system or Impedance methods, as well as the traditional procedures. Implementation of HACCP system. Also, we have experience with traditional meat and dairy products. This Researching Group is financed by the Andalusian Government and the University of Cordoba, the main Public University in Spain for Researchin purposes, according 2009 ranking. We have recognised an Agrofood Excellence International Campus (ceiA3) by the Spanish Government. More information: <http://www.uco.es/mical> and <http://www.uco.es/ceiA3>.

Expertise offered (related to the topic)

a) Previous experinece in participating in researching projects, as partners as well as responsible of area partners; b) use of alternative methods in food microbiology as VIDAS system, Bactometer (impedance monitoring method, etc.) as well as traditionals; c) Use of important equipments and facilities resources in our University through a Centralized Researching Assistance Service; d) The existence of an Agrofood Excellence International Campus in our University

Previous FP experience

Dry-Sausages Ripening Improvement Project

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

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City: Sevilla

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **UNIVERSITY OF TURIN, FOOD-EES RESEACH GROUP,**
R&D Institution
PROFILE from Italy
(15IT239)

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Fax: 0039 011 5669238

E-mail: d.vismara@pie.camcom.it

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES372)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork, Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

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Country: Spain

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Fax: 34924001996

E-mail: maria.garcia@fundecyt-pctex.es

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Partnership Profile



DEPARTMENT OF FINANCIAL ECONOMICS AND ACCOUNTING. UNIVERSITY PABLO DE OLAVIDE

R&D Institution

*PROFILE from Spain
(15ES387)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Dr. (Ph D) Raquel Florez-Lopez is an associate professor in Accounting and Finance at Pablo Olavide University of Seville (Spain). Her research interests are focused on risk management and control systems, with a particular interest in Food supply chain management and efficiency, and risk modelling using advanced statistical techniques. She has published over 20 academic research articles in international and Spanish journals, and led several research projects.

RESEARCH PROJECTS AS MAIN RESEARCHER (PI)

Managing efficiency in high risk environments: Analysis of cooperative export relationships in food chain businesses, Funding: Andalusian Regional Government – 2012 Excellence Research Projects (SEJ-1933). 2014-2017. Leadership: Dr. Raquel Flórez López

Performance Measurement Systems and Customer Relationship Management (CRM). A Balanced-Scorecard Application to Industrial Supply Chains. Funding: Spanish Association of Accounting and Business Administration (AECA). 2010. Leadership: Dr. Raquel Flórez López

Managing performance in cooperative B2B customer relationships. A risk-performance approach. University Pablo Olavide of Seville, Emergent Research Projects. 2010

Also included as researcher in international research projects (European Commission ESPRIT PROJECT 29933; Chartered Institute of Management Accountants -CIMA Relevance Regained

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Research Project, 'Performance Measurement and Risk Management in Intermediary Food Chain Businesses'.), national research projects (ECO2008-05550/ECON; PB95-00581) and regional research projects (SEJ-5061, SEJ111, JCYL HAC/746/2007, AC30/12/2005, AC27/12/2002), Dr. (Ph D) Juan M. Ramon-Jeronimo is Associate Professor in Accounting and Finance Dpt. at University Pablo de Olavide of Seville (Spain). His research interests and experiences include food supply chain management, customer relationship management, performance measurement systems on inter-organisational relationships. He has published nationally and internationally in these fields. Member of Business Logistic Research Group (Portsmouth University, UK). <http://www.port.ac.uk/portsmouth-business-school/research/research-groups/business-logistics-research-group/> Also included as researcher in international research projects (Chartered Institute of Management Accountants -CIMA Relevance Regained Research Project, 'Performance Measurement and Risk Management in Intermediary Food Chain Businesses'.), national research projects (ECO2008-05550/ECON; SEJ2005-06652/ ECON) and regional research projects (SEJ111, SEJ-1933, SEJ 01799, P08-SEJ-04124).

Expertise offered (related to the topic)

The key benefits of our participation (Drs. Raquel Florez-Lopez and Juan M Ramon-Jeronimo) to the project based on our previous research and expertise, are increased industry knowledge for members in food supply chain businesses and the potential to develop new research methods in performance measurement, ensuring that management research plays a role alongside other disciplines. Practitioners, growers and farmers should benefit through discussion concerning the incorporation of mix of management control, performance and risk management systems in food supply processes through developments in management control systems for small-medium sized businesses that make up a significant part of the food chain, and in suggestions for improving the use of resources.

Previous FP experience

International research projects (Chartered Institute of Management Accountants -CIMA Relevance Regained Research Project, 'Performance Measurement and Risk Management in Intermediary Food Chain Businesses'.). Members of INTERNATIONAL RESEARCH CENTRES:

Centre for Risk Research (University of Southampton, UK). <https://www.southampton.ac.uk/management/about/staff/rfl1m10.page>

Business Logistic Research Group (Portsmouth University, UK). <http://www.port.ac.uk/portsmouth-business-school/research/research-groups/business-logistics-research-group/>

Role in the project

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Research; Training; Dissemination;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AGENCIA DE GESTIÓN AGRARIA Y PESQUERA DE ANDALUCÍA (AGAPA)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES240)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

AGAPA is a public body ascribed to the Agriculture, Fisheries and Rural Development Andalusian public administration. It has the aim of developing projects of high technological level and technical specialization for the development of public policies related to agriculture, livestock, fisheries, agro-industry and rural development.

The main lines of work developed by AGAPA are:

- Consulting on issues related to agriculture, livestock, fisheries, food and rural development, including foresight studies, sectors and territorial characterizations, market studies, estimation of areas and agriculture production, designing of strategic plans, monitoring and evaluation of policies, plans and programmes, creation and development of price and market observatory, etc.
- Services in relation with knowledge management, elaboration and operation of models and information systems, electronic administration.
- Development and maintenance of specialized computer systems and geographic information systems for the identification of agricultural plots (SIGPAC) and applications for the processing and management of Public Administration (SIGGAN).
- Services associated to cartographic information such as technical management, production and quality control of photogrammetric products (orthoimage, elevation models, etc.), management and

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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provision of land information (geographic), providing of remote sensing (aerial photography and satellite images).

- Design and implementation of communication campaigns and promotional activities such as organization and management of fairs, conferences and exhibitions, publication of promotional materials and technical presentations aimed to specialized audience.
- Design and development of training programmes, development and dissemination of formative, informative or raising-awareness contents related to the food industry, fisheries and rural areas.
- Audits of certification bodies for quality and evaluation of public policies.
- Maintenance and management of agro-climatic stations.
- Development of plant health campaigns and action plans in relation with animal health and production.
- Management of sanitary control laboratories for fish and fish species identification.
- Fishing resources protection by means of the designing, construction, deployment and monitoring of artificial reefs.
- Projects of designing and construction of rural infrastructure such as irrigation, rural roads, and installation of alternative energy plants.
- Management, operation and improvement of agricultural farms. Experimentation and technology transfer of agricultural production systems.
- Other actions related to the agri-food and rural development in Andalusia.

Expertise offered (related to the topic)

AGAPA conducts studies to support decision-making processes, focused on the long-term and encouraging the participation and collaboration of the different agents from the Andalusian agriculture sector and agrifood industry. Within the actions performed, we should mention the drawing-up of action plans or schemes. More specifically, during the 2005-2008 period, there was active participation in the preparation of the 2007-2013 rural development programme. Nowadays, AGAPA is preparing rural development programme 2014-2020. Elsewhere, models have been developed to support decision making in sectors such as the olive or cotton sectors, a price and market observatory has been designed in fruit and vegetables and other sectors, and there is active collaboration in the preparation and publication of official agricultural statistics.

AGAPA has developed and continues to perform a wide range of activities aimed at complying with the following duties:

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- Identification and selection of trends or strategic items with a view to the future.
- Medium- and long-term studies (foresight studies) on supraregional geographic sphere.
- Mainstreaming of cross-cutting aspects (sustainability, environment, countryside, food security, quality, biodiversity, R&D, sociocultural factors, etc.) in studies on the farming sector.
- Design and incorporation of new technologies and innovative methodologies into the works (methods based on the participation of experts, analysis of scenarios, identification and assessment of factors, knowledge management, data mining, modelling and geographical information systems, etc.)
- Coordination and integration of actions concerning specific sectors.
- Technical assistance in the preparation of sector strategic plans aimed at anticipating the demands of farming sub-sectors.
- Technical assistance in the preparation of general plans for governing farm and rural development policies.
- Design and coordination of actions to compile both qualitative (surveys, inquiries, interviews, etc.) and quantitative (farming statistics) primary information.
- Ex-ante quantitative analysis on changes that could affect the farming sector (community, national, regional policies, etc.)
- Monitoring of the Common Agricultural Policy and the activities of EU institutions concerning the agricultural sector.
- Liaison and search for information in other Member States of the EU and supranational organisations.
- Set-up and maintenance of a price and market observatory in different agricultural sectors.

Previous FP experience

AGRIDEMA: Optimizing Management of Irrigation Water in the Mediterranean region in the context of climate change (6th FP); SUWANU: Sustainable water treatment and nutrient reuse (7th FP); RURALJOBS: New Sources of Employment to Promote the Wealth-Generating Capacity of Rural Communities (7th FP, in collaboration with the Regional Ministry of Agriculture, Fisheries and Rural Development of Andalusia); RURALAND : Rural Development Players (INTERREG IVC 2007-2013 Programme, in collaboration with the Regional Ministry of Agriculture, Fisheries and Rural Development of Andalusia) HOMER. Harmonising Open data in the Mediterranean through better access and Reuse of Public sector information (MED Programme); Prospective Analysis of

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Agricultural Systems (IPTS-JRC); New case studies on the co-existence of GM and non-GM crops in European agriculture (IPTS-JRC); Sustainable farming systems in the new Member States (IPTS-JRC); Economics of food quality assurance and certification schemes (ETEPS for IPTS-JRC); Inventory of certification schemes for agricultural products and foodstuffs marketed in the EU (Areté for DG-Agri);

None directly related with the selected topic

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza Fernández

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E-mail: cristina.cabeza@juntadeandalucia.es

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Partnership Profile



FEDERACIÓ COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)

Other organization(consulting,association,...)

*PROFILE from SPAIN (Catalonia)
(15ES241)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

FCAC (Catalan agriculture cooperatives federation) is an SMEs association of agricultural cooperatives located along Catalonia. (Headquarters. Barcelona) One of the FCAC's role is to enhance the participation of the SMEs in R&D projects.

FCAC was founded in 1983. Currently there are 240 cooperatives associated to FCAC. These cooperatives together represent a turnover of about 1,400 million Euros, comprising some 78,000 members. These cooperatives bring together and put on the market all kind of farm production from his associated producers: fruits, vegetables, cereals, wine, nuts, olive oil, milk, pork, beef and other. FCAC main activities are focused to agriculture advice, financial and tax services, legal advice, training courses, advice on grants and subsidies, and also the support for R & D activities for the cooperatives. The latest international projects where FCAC was involved:

- Participation in the RSE.COOP project, funded by the Equal Initiative 2004-2007, implementation of Social Responsibility in cooperative enterprises.
- Participation in the SAHC project "Promotion of Solar Assisted Heating and Cooling in the Agrofood sector" (2008 - 2010), funded through the Intelligent Energy program of the EU.
- Coordination and implementation of projects of international cooperation in Colombia between Catalan cooperatives and Colombian associations exotic fruit funded by the Government of Catalonia between 2010 to 2013.

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The latest R&D projects founded from Government of Catalonia (through European Agricultural Fund for Rural Development (EAFRD)):

- Improving the competitiveness of the pork industry through cooperative research on health and nutrition. (2010)
- Finding alternative technologies for sustainable waste management in the wine sector.(2010)
- Automatic Estimation of the weight of individual pigs using computerized imaging (2012)
- Finding alternative technologies for sustainable management and recovery of waste in the production of olive oil (2012)
- 2012-2013 - Colaborative role as SME association in OILCA project :Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label. (Funded by the Interreg IVB SUDOE);<http://www.oilca.eu>

Expertise offered (related to the topic)

FCAC has experience working with Universities and other institutions in R&D. FCAC can participate directly or collaborating and working beside his SMEs cooperatives in demonstrations and disseminations, and also very important: in the first definition of the project due to his know-how about the real needs of R&D in agrofood sector.

Previous FP experience

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

Country: Spain

Contact person: Cristina Peña

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE

Other organization(consulting,association,...)

*PROFILE from España
(15ES242)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

Expertise offered (related to the topic)

The agricultural model of our territory responds to small gardens and family farms.

Ours partners producers which are very difficult to monetize it in the global market.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Our working with producers is studying and implementing cost-effective mechanisms to increase this type of family farming.

For years, we have been working on strengthening the Short Circuits Marketing. Result of this, we have created and developed a Network of Local and Organic Markets (market proximity); online trade of organic products, a cooperative of small organic farmers and direct sales model in farms.

Currently, the Network of Local Markets and Bio has 9 monthly markets in the province of Málaga (southern Spain) and its organics productions approach over a million and a half people.

We also work to boost ecological consumption our local productions through information and training activities aimed at consumers.

We believe it is very necessary to work involving consumers to make them co-responsible for the agrifood products. Promoting the link between producers and consumers will contribute to the viability of small family productions.

Agritourism is another emerging sector which we are working and to serve boosting economic complement to small family farmers.

To study the role of small family farms, we can offer our high expertise in organic production, skilled farmers, orchards experimental knowledge in short marketing circuits, training farmers and consumers.

We look forward to sharing experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable agriculture.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme.

National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese ", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza Fernández

Telephone: 34955048511

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES243)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector, which represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results. We have worked hard to achieve a more sustainable agriculture, combining the modernization of farms with environmentally friendly practices. As an example, we advised farmers regarding chemical fertilizers and we managed to reduce its use in 30% and to improve the utilization of solid and liquid fertilizers produced directly on the farms.

We are working with over 800 clients with a very heterogeneous profile, but mostly, these are small family businesses and they are working, advised by Arza, to improve their farms and to improve their economic position. Most of them was developed their business as an individual person but we have contributed to create more than 300 agricultural or agribusiness companies looking for competitive enterprises. We are working for the women incorporation to the agricultural and agribusiness sectors because our area it is very traditional.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p> <p><small>AGRICULTURE PARTNERSHIP</small></p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **ORTOFRUIT ITALIA (PRODUCERS' ORGANISATION P.O)**

Other organization(consulting,association,...)

*PROFILE from Italy
(15IT244)*

TOPIC OF INTEREST

TOPIC

SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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Fax: 0039 011 5669238

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL

Technological Centre

*PROFILE from SPAIN
(15ES245)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the olive oil and table olive sector. Specific expertise in the topic is based in the following background and technological tools:

a. Market studies

b. Estudios for public administrations

c. Communication, dissemination and transfer of research results

d. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement nº: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement nº: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

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FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain.
Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode:

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



CTAEX TECHNOLOGICAL CENTRE

Technological Centre

*PROFILE from Spain
(15ES246)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAEX is a private not-for-profit Research, Development, and Innovation centre located in the south-west of Spain and backed by an association of food companies, SMEs and agricultural co-operatives.

CTAEX facilities and main activity areas are as follows:

Agricultural Dpt. counts with green houses and 25 hectares of experimental farms including 4 organic certified ones, indicated for pot trials and large scale cultivation.

Food Technology Dpt. counts with a fully equipped pilot plant, an experimental kitchen, a sensory evaluation lab and chambers indicated for shelf life studies, postharvest treatments and maturation and curing processes.

Food Science and Safety Dpt. which is highly specialized in agro-food matrixes analysis from chemical, physical and microbiological procedures, can also carry out the extraction, purification and isolation of active compounds found in Medicinal Plants and a agro-food by-products and residues.

Apart from the technical development of an R&D Project, CTAEX could carry out the Project Results Dissemination through its Office for Research Results Transfer Activities by means of dissemination that mostly reaches SMEs and stakeholders of the agro-food sector

Up to date, CTAEX has successfully developed more than 250 projects, involving participation of national, European and Latin American partners.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

Born in 2001, CTAEX has successfully developed more than 250 regional and national projects in cooperation with SME's, cooperatives and food companies associations of the Spanish agriculture and food sectors.

CTAEX counts with experimental farms, a pilot plant, and food specialised laboratories where to elaborate a wide variety of food products under safety conditions.

CTAEX has already led and participated in a vast number of projects, playing a key role in the project's results exploitation and dissemination via CTAEX's Office for Research Results Transfer Activities.

The Office meets the following objectives: Popularization of scientific and technological research results generated in CTAEX and associated enterprises, Technological Surveillance for companies and institutions from the Food and Agriculture sectors, protection of research results and commercialization of technologies.

Up to date, the Office for Research Results Transfer Activities has directly participated in 31 R&D Projects via: workshops, press releases, media appearances, scientific publications and CTAEX's webpage and weekly newsletter. The previous are means of dissemination that mostly reach SMEs and stakeholders of the agro-food sector.

Previous FP experience

INPROFOOD. Towards inclusive research programming for sustainable food innovations (FP7-Science in Society'11).

BIOCOPAC. Development of bio-based coating from tomato processing wastes intended for metal packaging (FP7-SME-2011-BSG-SME).

SATIN. Satiety Innovation (KBBE.2011.2.3-04).

MULTIHEMP. Multipurpose Hemp for industrial bioproducts and biomass (FP7-KBBE-2012-6-singlestage)

Value4Wool. Market Umbrella for the utilisation of low grade grease sheep wool as organic soil amendment and fertilizer (CIP-EIP-Eco-Innovation-2011).

SAVECROPS. Polivalent Biocides from local wastes (LIFE + 2011)

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Role in the project

Research; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

Address: Avda. de Elvas, s/n

Postcode: 06006

City: Badajoz

Country: Spain

Contact person: María García Rosa

E-mail: maria.garcia@fundecyt-pctex.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK247)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Telephone: 4540309637

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



COMMUNIQUÉ

SME

*PROFILE from Denmark
(15DK248)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

Communiqué is a Danish owned communications company, founded in 1993, which in a consultant role works closely with customers to create value. Communiqué focuses on building a bridge to a better dialogue for a number of industries such as: IT, finance, health, lifestyle, industry and NGOs and public organisations. Communiqué is the Danish representative of Edelman, the world's largest independent PR network, which allows the firm to draw on Edelman experts, quality programs and tools. It also means that Communiqué's project portfolio includes work for a number of the world's largest companies.

Expertise offered (related to the topic)

Communiqué offers its competences as to planning and executing dissemination strategies in project consortia. The company's director is the founder of several communications agencies and has worked with a very large number of clients within strategy, press relations and campaigns. He has written and contributed to 8 books about efficient communication.

Previous FP experience

FP7 KBBE.2012.2.5-02 project (support action) FUSIONS (Food Use for Social Innovation by Optimising Waste Prevention Strategies). A project about working towards achieving a more resource efficient Europe by significantly reducing food waste. The project runs for 4 years, from August 2012 to July 2016. FUSIONS has 21 project partners from 13 countries, bringing together

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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universities, knowledge institutes, consumer organisations and businesses. Communiqué is involved in the execution of the project's dissemination strategy.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



NANOIMMUNOTECH

SME

**PROFILE from SPAIN
(15ES249)**

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



QUEIZUAR

SME

*PROFILE from Spain
(15ES250)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

Queizuar is an SME, created in 1997 that produces traditional PDO cheese. It is located in Galicia the leading milk producer region in Spain, with approximately 55% of the Spanish dairy farms.

Nowadays, Queizuar-Bama processes 50.000 litres per day, producing 3 types of cheese: Arzua Ulloa Protected Denomination of Origin, Tetilla Protected Denomination of Origin and Fresh cheese.

Queizuar has been working in 5 R&D projects during the last 7 years:

1-“Estudio das alteracións superficiais aparecidas na produción de queixos das denominacións de orixe Tetilla e Arzúa-Ulloa” (Study of surface alterations appeared in the production of PDO cheeses: Tetilla and Arzúa-Ulloa) – PGIDIT05TAL011E (Xunta de Galicia – Spain) – (2005-2008)

2-“Valorización dos soros de queixería mediante a produción de ingredientes alimenticios funcionais e produción de bioetanol” (Cheese whey valorization through the production of functional food ingredients and bioethanol) – PGIDIT07TAL006E (Xunta de Galicia – Spain) – (2006-2008)

3-“Obtención dun preparado lácteo funcional a partir dos soros de queixería” (Obtaining a Functional Dairy prepared from cheese whey) – PGIDIT09TAL002E (Xunta de Galicia – Spain) – (2008-2010)

4- “Valorización dos soros de queixería mediante a produción de bioetanol” (Cheese Whey valorization through bioethanol production) – PGIDIT09REM001E (Xunta de Galicia – Spain) – (2008-2010)

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5- "Valorización do soro de leite mediante a produción de bioetanol e dun novo produto con propiedades anti-hipertensivas" (Cheese whey valorization by producing bioethanol and a new product with antihypertensive properties) – FEADER 12/11 (Xunta de Galicia – Spain) – (2012-2013)

Expertise offered (related to the topic)

Queizuar is aware with the environment and sustainability, and its last four R&D projects are focused on reducing its fossil fuel consumption and reducing the cheese whey impact on the environment. Continuing with the effort of the company to contribute to low resources consumption Queizuar would work in future projects related with environment and sustainability.

Previous FP experience

Queizuar presented since 2011 three european projects as coordinators (2 Eurostars and 1 KBBE) and one KBBE project as partners. The last one has been elected to be financed by the EU, and it began the last 1st of November.

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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Partnership Profile



ALÍCIA FOUNDATION, FOOD & SCIENCE, PRIVATE FOUNDATION

R&D Institution

*PROFILE from Spain
(15ES252)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

Alícia (Ali-mentació i cièn-cia, acronym for Food&Science), a not-for-profit Foundation created in 2003, is a research centre devoted to technological innovation in cuisine, improvement of eating habits and evaluation of food and gastronomic heritage. We have social vocation, open to everyone to promote healthy eating, close to the science, food & cuisine community.

Alícia is structured on three functional areas whose tasks are interrelated: 1. Gastronomic and scientific research; 2. Health and eating habits; 3. Food Heritage.

Relevant R&D projects

- FP7/311754. Optimized food for elderly population (OPTIFEL)
- CEN-20072016T. FUTURAL food: safer, more nutritious, convenient and smarter
- Research into products with specific applications: gelling agents, emulsifiers, thickeners, sweeteners, salts, colorants, flavoring for culinary solutions.
- Elaboration of a collection of recipes based on produce that carries officially recognized hallmarks of origin in Catalonia: IGP (Protected Geographical Indication) and DOP (Denomination of Protected Origin) for the Department of Agriculture, Food and Rural Action of the Generalitat de Catalunya. Olive oils, pears, hazelnuts....

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- Study of the different models of schools' dining-rooms which are established among Catalan educational centers. [In collaboration with ODELA, Barcelona University]

- Evaluation project and proposals to improve food which is served to users at University Hospital Germans Trias i Pujol, Badalona. [In collaboration with the catering company]

Expertise offered (related to the topic)

Alicia Food Heritage Department applies research and knowledge to give added value the food products of the territory and the natural, cultural and tourist heritage that is linked to quality foods and local specialties & food chains. To do so it researches into cultural history and food and culinary innovation of territories, PGI, DPO and other quality labels. We manage our own 1'5 Ha Market Orchard of Sant Benet used for training, experimentation & maintenance of local varieties in relation to our R&D.

Alicia closely advises, trains and develops studies and reports for PGI & DPO territories, farmers, landowners & producers of quality foods, cooks, as well as educational centres and school catering services, thus having a complete and holistic perspective on quality food chains, as well as an extensive data & knowledge base of food procurement processes under a multiactor approach.

Our expertise in relation to the topic scope and impact:

- Contribution on quality policy evaluation and research (PGI, PDO, TSG).
- Case studies, methodologies and research on new markets, sustainability and economy of quality for local foods procurement.
- Practical experience and database of nutritional balance of school canteens. Possibility to develop participatory processes & methods (Multiactor approach).
- Participatory processes for community of practice multiactor analysis of food procurement policies, short supply chains & territorial development.
- Review and creation of partnerships for knowledge platforms on food procurement policies, quality & sustainable food chains.

Previous FP experience

- FP7/311754. Optimized food for elderly population (OPTIFEL)
- Recovery & gastronomic evaluation of local varieties: white aubergine, Berguedà Black Pea, Carob (*Ceratonia siliqua*) Dessert Recipes.
- Territorial, gastronomic, cultural and tourism studies of key food products: oranges in the lower Ebre River Valley; Milenary Olive Trees at La Senia, Mediterranean Tunna Fish.

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- Recipes collection on food meals based on 20 Catalonia PGI & PDO produce: Olive oils, pears, hazelnuts....
- "Our grandparents' lettuces" & TAS (You+Alicia+Health School Programs on children & youth food awareness.
- "Llavorae" Workshops: new jobs on local and ecological produce.
- Hosting of Euro-Toques Chefs convention from more than 18 countries.

Role in the project

Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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E-mail: cpenya@gencat.cat

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Partnership Profile

 **UNIVERSITY OF TURIN, FOOD-EES RESEACH GROUP,**
R&D Institution
PROFILE from Italy
(15IT253)

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Training; Tech. Development; Management; Dissemination;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

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Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CICYTEX

R&D Institution

*PROFILE from Spain
(15ES373)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

CICYTEX (Government of Extremadura) is a public institution that focuses its research and development activities on issues related to agriculture, food and forestry sectors. It renders high level technological services to SME's in particular, developing research and technology transfer projects, realizing analysis and laboratory tests, offering specialized training. The main research areas are the following:

Food: New methods to increase products' life cycle, transformation processes, minimally processed products, post-harvest technologies, enology processes and viticultural techniques, product quality, new products, use of by-products and industrial processes, Hydrostatic High Pressures for food treatment.

Agriculture and forestry: Forestry production, Extensive land use, Extensive production, Extensive husbandry, Extensive farming, Animal production, Biodiversity, Germplasm, Phytopathology, Pastures, Irrigation, Fruit growing, Cork, Wood, Charcoal, Agricultural research, Animal production, Biodiversity conservation and use, Bioenergy, Precision Agriculture, Wood Products, Forest products and services

Expertise offered (related to the topic)

The main aims of CICYTEX are to improve the competitiveness and innovation potential of food, forestry and agriculture sectors.

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The European projects are one of the main goals for the institution since they aim to provide high value-added technological services to improve the competitiveness of the SME's, to contribute to scientific knowledge in its field of action and, finally, to promote the welfare of society.

Role in the project

Research; Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: FUNDECYT-PCTEX

Organisation name: Fundación FUNDECYT Parque Científico y Tecnológico de Extremadura

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Partnership Profile



AGRO-ECOSYSTEMS HISTORY LABORATORY. UNIVERSITY PABLO DE OLAVIDE

R&D Institution

*PROFILE from Spain
(15ES386)*

TOPIC OF INTEREST

TOPIC

SFS-20-2015: Sustainable food chains through public policies. The cases of EU quality policy and of public sector food procurement

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research on socio-ecological metabolism of agricultural systems and agro-food systems, from the farm scale to larger spatial scales. We quantify energy, material and emission fluxes in historical and present systems, extracting lessons about the sustainability features of past agriculture for the design of new systems incorporating present day technology to meet new societal needs. We focus on organic farming systems as starting models for the design of modern solar-based, resource-efficient, low-emission agricultural systems inserted in sustainable food chains. We combine the modelling of energy and material historical fluxes at different scales with experimental research at the farm scale and the design of future scenarios. Our works on agricultural sustainability include historical and economic studies (Infante-Amate 2012, Infante-Amate and González de Molina 2013a), energy assessments (Guzmán and Alonso 2008, Alonso and Guzmán 2010) and material flow accounting including the historical perspective (Guzmán and González de Molina 2009, Infante-Amate and González de Molina 2013), historical nutrient balances (García-Ruiz et al. 2012), land cost of agrarian sustainability (Guzmán and González de Molina 2009, Guzmán et al. 2011) and greenhouse gas emissions (Aguilera et al. 2013a, b). We are also involved in the study agricultural and food policies (González de Molina 2012), participatory guarantee systems (Torremocha, 2012), participatory research action (Guzman et al. 2012); and food system energy fluxes (Infante-Amate and González de Molina 2013b).

Expertise offered (related to the topic)

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Our team has a long-term research history on the study of the interaction of public policies with agricultural and food system sustainability. We have been directly involved in public policy design. Our team leader, Manuel González de Molina, has directed the Andalusian government policy in the area of agroecology, starting the First Program for Organic Agriculture (2004-2007) in this Spanish region, funded with 90 million €, and organizing the second one (2007-2013), funded with 300 million €. The programs included the introduction of organic food in the public sector food procurement, as well as the initiation of a public Participatory Guarantee System (PGS). Our team member Eva Torremocha is involved in IFOAM (International Federation of Organic Agriculture Movements) PGS Committee.

Previous FP experience

We are now involved in the research project "Sustainable Farm Systems: Long-Term Socio-Ecological Metabolism in Western Agriculture" funded by the Social Science and Humanities Research Council of Canadá, which includes 23 researchers from Europe, North America and Latin America. This project aims at a comparative analysis of the transition experienced by agriculture on both sides of the Atlantic from the point of view of the interaction with natural systems through the energy and material flows moved across the landscape.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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City: Sevilla

Country: Spain

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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK254)*

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be

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made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in
 FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.
 FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate. FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES255)*

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrate, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in

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Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with an heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has felt always at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: results integrated in REDIAM Portal,

<http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeals to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

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Expertise offered (related to the topic)

We have participated in an international project (MedMIS) which scope was very similar to those that this topic address, we have deployed a solution for the International Union for the Conservation of Nature (IUCN) in the context of the MedPAN North project (URL: <http://www.iucn-medmis.org>)

For MedMIS project we have developed an online information system and a mobile application for monitoring invasive non-native species in Mediterranean Marine Protected Areas (MPAs).

It contains information on the pathways and impacts of major marine species that have invaded the Mediterranean Sea, their distribution on MPAs and how to monitor and identify them as well as what can be done to prevent their establishment and spread in the MPA's environment. It has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservation issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic BG 1 - 2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems, based on research and the development of decision support tools for Atlantic marine ecosystem management.

Because we have experience developing solutions for projects of this theme and because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators. This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

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We have experience contributing to European Project´s consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user's forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)

- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES256)*

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

Previous FP experience

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We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "ASSIMILATION OF NUTRIENTS IN PROCHLOROCOCCUS, CYANOBACTERIUM KEY ON MARINE ECOSYSTEMS" (BIO 123). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES257)*

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our team has been actively researching the adaptations in the nitrogen and carbon metabolism observed in marine cyanobacteria, namely *Prochlorococcus* and *Synechococcus*, which are two of the main primary producers on Earth. Generally our studies are based on laboratory experiments under controlled conditions with living cultures of cyanobacteria of both genus, and our interest is focused on understanding the adaptations developed by these cyanobacteria in order to cope with the nutrient limitations and overall conditions of the environment in the open ocean. Recently we have also participated in cruises along the Atlantic Ocean, within the Atlantic Meridional Transect program, in collaboration with the team of Prof. Mikhail Zubkov. Our research has been focused thus far on different important enzymes of nitrogen metabolism in marine cyanobacteria (glutamine synthetase, glutamate dehydrogenase, isocitrate dehydrogenase, etc), on the regulatory mechanisms controlling the nitrogen/carbon balance, and more recently on the characterisation of the uptake and utilization of glucose in the open ocean by marine cyanobacteria. Therefore our research topics are closely related to those included in the topic BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems. Some relevant research projects are shown below:

Analyzing metabolism in an unusual nitrogen fixing symbiosis using metatranscriptomics, TRANSUCYNA. European Commission, FP7-PEOPLE-2013-IOF proposal 625188. 2014-2017

Organic carbon utilization and nitrogen metabolism in the marine cyanobacteria *Prochlorococcus* and *Synechococcus*. Junta de Andalucia - Excellence Projects: P12-BIO-2141. 2014-2017

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Glucose utilization and adaptive and control mechanisms in the metabolism of nitrogen and carbon in *Prochlorococcus*. Spanish Ministry of Science and Innovation: BFU2009-08008/BMC. 2010-2013

Adaptive mechanisms and control pathways in the nitrogen and carbon metabolism in *Prochlorococcus*. Spanish Ministry of Science and Technology: BFU2006-10011/BMC. 2006-2009

Keys of the ecologic success of the marine cyanobacteria *Prochlorococcus*: proteome and gene expression studies focused on the nitrogen and carbon metabolism

Junta de Andalucía - Excellence Projects: P07-CVI-3055. 2008-2012

Nitrogen assimilation and Krebs cycle in marine and freshwater cyanobacteria: relationships and adaptive mechanisms. Spanish Ministry of Science and Technology: BMC2003-09218-CO2-01. 2003-2006

Molecular ecology of the photosynthetic procaryote *Prochlorococcus*, a key organism in marine ecosystems. MASTIII program, European Union: MAS3-CT97-0128. 1998-2001

Expertise offered (related to the topic)

We have long experience in the field of biochemistry and molecular biology of photosynthetic organisms, and specifically marine cyanobacteria, studying topics related with enzymology, enzyme regulation, gene expression, proteomics, etc. We keep a small collection of marine cyanobacteria, in order to carry out experiments with living cells to sample at different times in order to measure different parameters. Our background can greatly help to address topics related to the mechanistic understanding of element and energy flow in the system, as requested in this call. Besides, our studies are directly related to the goal of understanding the biogeochemistry of the open ocean, and therefore helping to support preservation and unlocking the potential for the sustainable production of new products. Some relevant papers directly related to this call are shown below:

Munoz-Marin MC, Luque I, Zubkov MV, Hill PG, Diez J & Garcia-Fernandez JM. (2013) *Prochlorococcus* can use the Pro1404 transporter to take up glucose at nanomolar concentrations in the Atlantic Ocean. *Proceedings of the National Academy of Sciences USA* 110 (21): 8597-8602.

McDonagh B, Dominguez-Martin MA, Gomez-Baena G, Lopez-Lozano A, Diez J, Barcena JA & Garcia-Fernandez JM (2012) Nitrogen starvation induces extensive changes in the redox proteome of *Prochlorococcus* sp. strain SS120. *Environmental Microbiology Reports*, 4 (2): 257-267.

Rangel OA, Gomez-Baena G, Lopez-Lozano A, Diez J & Garcia-Fernandez JM (2009) Physiological role and regulation of glutamate dehydrogenase in *Prochlorococcus* sp. strain MIT9313. *Environmental Microbiology Reports* , 1: 56-64

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Lopez-Lozano A, Gomez-Baena G, Munoz-Marin MC, Rangel OA, Diez J & Garcia-Fernandez JM (2009) Expression of genes involved in nitrogen assimilation and the C/N balance sensing in *Prochlorococcus* sp. strain SS120. *Gene Expression*, 14: 279-289.

Gomez-Baena G, Rangel OA, Lopez-Lozano A, Garcia-Fernandez JM & Diez J (2009) Stress responses in *Prochlorococcus* MIT9313 vs SS120 involve differential expression of genes encoding proteases ClpP, FtsH and Lon. *Research in Microbiology*, 160: 567-575.

Gomez-Baena G, Lopez-Lozano A, Gil-Martinez J, Lucena JM, Diez J, Candau P & Garcia-Fernandez JM (2008) Glucose uptake and its effect on gene expression in *Prochlorococcus*. *PLoS ONE* 3(10) e3416. DOI:10.1371/journal.pone.0003416

Gomez-Baena G, Garcia-Fernandez JM, Lopez-Lozano A, Toribio F & Diez J (2006): Glutamine synthetase degradation is controlled by oxidative proteolysis in the marine cyanobacterium *Prochlorococcus marinus* strain PCC 9511. *Biochimica et Biophysica Acta* 1760: 930-940.

Garcia-Fernandez JM, Tandeau de Marsac N & Diez J (2004) Streamlined regulation and gene loss as adaptive mechanisms in *Prochlorococcus* for optimized nitrogen utilization in oligotrophic environments. *Microbiology and Molecular Biology Reviews* 68-4: 630-638.

Garcia-Fernandez JM & Diez J (2004) Adaptive mechanisms of nitrogen and carbon assimilatory pathways in the marine cyanobacteria *Prochlorococcus*. *Research in Microbiology* 155-10: 795-802.

El Alaoui S, Diez J, Toribio F, Gomez-Baena G, Dufresne A & Garcia-Fernandez JM (2003) Glutamine synthetase from *Prochlorococcus*: characterization, phylogeny and response to nutrient starvation. *Environmental Microbiology* 5: 412-423

Lopez-Lozano A, Diez J, El Alaoui S, Moreno-Vivian C & Garcia-Fernandez JM (2002) Nitrate is reduced by heterotrophic bacteria but not transferred to *Prochlorococcus* in non axenic cultures. *FEMS Microbiology Ecology* 41-2: 141-150.

El Alaoui S, Diez J, Humanes L, Toribio F, Partensky F & Garcia-Fernandez JM (2001) In vivo regulation of glutamine synthetase activity in the marine chlorophyll b-containing cyanobacterium *Prochlorococcus* sp. strain PCC 9511 (Oxyphotobacteria). *Applied and Environmental Microbiology* 67: 2202-2207.

Gomez-Baena G, Diez J, Garcia-Fernandez JM, El Alaoui S & Humanes L (2001): Regulation of glutamine synthetase by metal-catalyzed oxidative modification in the marine oxyphotobacterium *Prochlorococcus*. *Biochimica et Biophysica Acta* 1566: 237-244.

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Previous FP experience

Analyzing metabolism in an unusual nitrogen fixing symbiosis using metatranscriptomics, TRANSUCYNA. European Union FP7-PEOPLE-2013-IOF proposal 625188. 2014-2017

Molecular ecology of the photosynthetic procaryote *Prochlorococcus*, a key organism in marine ecosystems. MASTIII program, European Union: MAS3-CT97-0128. 1998-2001

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **MARINE RESOURCES AND FISHERIES RESEARCH GROUP.**
UNIVERSITY OF A CORUÑA

R&D Institution

PROFILE from Spain
(15ES258)

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Marine Resources and Fisheries Research Group at UDC is a multidisciplinary group formed by biologists, oceanographers and social scientists with extensive experience in projects related to assessment and management of coastal ecosystems and fishery resources. The main research topics are marine population and community ecology, biology and population dynamics of exploited species, fisheries assessment and management, and remote sensing and Geographical Information Systems applied to environmental management. They have published approx. 200 scientific papers in international journals and have coordinated several R+D projects. Members of the group have founded two spin-offs (Lonxanet and Fismare) born from his research work, and they develop projects and consulting with businesses, public organizations and NGOs in topics related to sustainability and environmental management. Relevant projects:

1) Bridging the gap between science and stakeholders: Phase 1 – Common Ground (GAP), SiS-2007-CT- 217639. Séptimo Programa Marco - Unión Europea. 2) Gestión pesquera, sostenibilidad y conservación de la biodiversidad en el archipiélago de las Islas Cíes en el Parque Nacional de las Islas Atlánticas de Galicia. (034/SGTB/2007/1.4). Secretaria General para el Territorio y la Biodiversidad, Ministerio de Medio Ambiente. 3) Marine protected Areas In the Atlantic arc - MAIA (INTERREG IVB-2009-1/143). European Regional Development Fund-Atlantic Area, European Union. 4) Bridging the gap between science, stakeholders and policy makers Phase 2: Integration of evidence-based knowledge and its application to science and management of fisheries and the marine environment. FP7-SiS-2010-CSA-266544.

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Expertise offered (related to the topic)

The group has skills and experience in participatory action research working closely in collaboration with stakeholders and using intensively information technologies. The group and its members have carried out several projects involving the collaboration with fishing communities, stakeholder engagement in management, and integration of local ecological knowledge of communities into the scientific assessment process.

The research group has participated in the process of creation, design and implementation of several coastal fishery management plans (including Marine Protected Areas along the Galician coast), both as scientific advisors and facilitators of the integration of stakeholders in the decision-making process. The group has also taken part in the design of ecological and fishery monitoring systems for Galician MPAs, and is currently carrying out the ecological monitoring of several inshore MPAs along the coast of Galicia. The groups have developed international research and development projects in different countries in Africa (as Liberia and Sao Tome) and, especially, Latin America (Costa Rica, Mexico, Chile, Argentina, Brasil and Ecuador).

Previous FP experience

Two projects:

Bridging the gap between science and stakeholders: Phase 1 – Common Ground (GAP), SiS-2007-CT- 217639. Bridging the gap between science, stakeholders and policy makers Phase 2: Integration of evidence-based knowledge and its application to science and management of fisheries and the marine environment (GAP2), FP7-SiS-2010-CSA-266544.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **SIK SWEDISH INSTITUTE OF FOOD AND BIOTECHNOLOGY**
R&D Institution
PROFILE from Sweden
(15SE259)

TOPIC OF INTEREST

TOPIC

BG-1-2015: Improving the preservation and sustainable exploitation of Atlantic marine ecosystems

ORGANIZATION EXPERTISE

ENTITY PROFILE

SIK is a non-profit industrial research institute with the purpose of strengthening the competitiveness of its member companies and contribute to a sustainable development of the food sector. SIK has five main competence areas: 1) Product safety and process hygiene; Food microbiology: Disease-inducing, product-destroying microorganisms and the response to different additives, product features and processes. Quantitative, microbiological risk assessment: Microbiological risk assessment methodology for the food chain. Microbiological analysis: Traditional microbiological analysis and DNA/RNA-based analysis. Competence in biofilms. 2) Sustainable Food Production; LCA: Methods development, impact of different foods on the environment and climate, Agricultural and marine raw materials. LCM: (Life Cycle Management): System analysis of food and bio-based materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products. 3) Process and technology development; Process design: Adaptation and development of food processes to optimise quality features, Process technology: optimise traditional processes and develop novel techniques, rapid heating processes, such as microwaves, IR technology and impingement. Development of new technologies as well as combinations of new and traditional technologies. 4) Sensory and Flavour Science; Sensory science; Sensory science that is related to both the chemical and physical features in the products that are being analysed. Consumer choices and experiences in different situations, Aroma chemistry: The chemical background to the aroma experiences registered by our senses, Interactions between food and packaging: The sensory, chemical and microbiological impact of packaging solutions on food quality during storage. 5) Structure and Material Design; Material design

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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for tailored innovative products: Biopolymers, Innovative food textures, Renewable packaging materials, Antimicrobial function of materials. Structure design; Microstructure and rheology applied in the design of new structures. Advanced microscopy combined with image analysis, Experimental rheology combined with viscoelastic flow simulation. Nano- and microtechnology.

Expertise offered (related to the topic)

LCA: Methods development in seafood LCA and implementation of Life cycle approaches in fisheries management and seafood products. Impact of different foods on the environment and climate, Agricultural and marine raw materials. LCM: (Life Cycle Management): System analysis of food and bio-based materials, operational development, production development, supply chain management and food logistics. SIK also has a large environmental database for food products.

Previous FP experience

Partner in FP7 project LC-Impact (243827) Development and application of environmental Life Cycle Impact assessment methods for Improved sustainability characterisation technologies (SIK developed methods for seafood). Partner in FP7-project "SENSE" (288974) Harmonised environmental sustainability in the European food and drink chain. Partner in FP7-project "White Fish" (286141) Automated and differentiated calculation of sustainability for cod and haddock products.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: SWENET

Organisation name: SIK Swedish Institute for Food and Biotechnology

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Postcode: 402 29

City: Gothenburg

Country: Sweden

Contact person: Mr Jesper Lindstrom

Telephone: + 46 - 10 - 516 66 07, Cell + 46 - 76 - 127 26 24

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Partnership Profile



AQUACULTURE TECHNOLOGICAL CENTER OF ANDALUCIA - CTAQUA

Technological Centre

PROFILE from Spain
(15ES390)

TOPIC OF INTEREST

TOPIC

BG-2-2015 Forecasting and anticipating the effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

CTAQUA is a non-profit private foundation focused on applied research in aquaculture, innovation, sustainability and education within the aquaculture sector. We are in close contact with aquafarm companies (inland and offshore) and other related activities entities. CTAQUA gives support to aquaculture companies and creates a platform for collaboration between the research community and the private sector. This general objective is achieved by (1) providing services to the aquaculture community focused on the development of R&D projects, (2) applying new technologies in aquaculture companies, (3) transfer of knowledge from the academic sector to the industry and (4) promoting the application of the new markets standards in the actual aquaculture practices in the farms. Several farms, feed companies and equipment suppliers are part of the patronage of CTAQUA. The Foundation also operates an Experimental Centre to carry out lab and pilot trials in applied nutrition.

Ctaqua is involved in the project from the FP7 DIVERSIFY (KBBE-2013 GA N°603121)

Expertise offered (related to the topic)

The expertise of CTAQUA is based on its R&D experience within applied aquaculture studies (public and private funding) and on different projects developed in the area of aquaculture product marketing and market studies. Among others, CTAQUA is participating in projects for the development of vaccination programs for seabream and seabass as well as other projects related with the parasitic infections in land based aquaculture in earthen ponds. The project involves

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industrial farm fish producers. in the framework of contracted research, the Experimental Center of CTAQUA has conducted rearing trials under strictly defined and controlled environmental conditions seawater species. The members of CTAQUA provide an industrial field to complete the pilot trials developed in the Experimental Center and evaluate the impact of research in real production conditions.

Previous FP experience

Ctaqua has participated in various projects at national level concerning the interrelation between climate and aquaculture activities. Ctaqua is actually participating in DIVERSIFY, an EU funded project in FP/, KBBE-2013 GA 603121, "Exploring the biological and socioeconomic potential of new/emerging candidate fish species for expansion of the European aquaculture industry".

Role in the project

Research; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK260)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

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Country: Denmark

Contact person: Anders Skeem

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E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES261)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrates, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the

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recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with a heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has always felt at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: results integrated in REDIAM Portal,

<http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeals to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

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Expertise offered (related to the topic)

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic BG 2 - 2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture, based on the understanding of the ocean/climate interrelations to predict consequences of potential climate change.

Because we have experience developing solutions for projects of this theme and because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators. This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

We have experience contributing to European Project's consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user's forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):
- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)
- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Jaime Durán

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



HCTECH (HERCULES CONTROL S.L.)

SME

*PROFILE from Spain
(15ES262)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

HCTECH is a technology-based company, started as a spin-off of CIS (Centro de Investigaciones Submarinas SL) in Santiago de Compostela (NW Spain). It was founded to improve the management and further develop the technical know-how gathered during 10 years of R & D in CIS. The company is dedicated to the designing and manufacturing of water quality monitoring systems, oceanographic devices and other marine technologies. These technological achievements are the result of collaborative projects with universities and technology centres, and they are aimed to the better protection of the seas and marine ecosystems. We are convinced that the best way to preserve water quality is through knowledge and through reliable environmental data, which is precisely what our technologies are looking for. We are designers, manufacturers and marketers of technological products capable of measuring in real-time the physical-chemical characteristics of water and the physical oceanographic conditions. The information gathered by our devices is then transmitted via GPRS, radio or satellite to a control center. The main competitive characteristics of our water quality monitoring system are the protection of the sensors against corrosion (antifouling) and the monitoring of the entire water column. The company is a SME whose staff has long expertise in R&D projects (telecommunication engineers, electronic and computing technicians, industrial engineers), and they are working in an individual 4 year project for the further evolution of the communication systems of our monitoring devices and for the integration of a microbiological sensor (for monitoring microbial – E. coli and others - pollution in coastal and fresh water). Current collaborative R&D projects in which HCTECH participates are aimed to achieve a better environmental performance of harbour dredging (Ecodraga Project, www.ecodraga.es), in cooperation with another three

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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companies and four R&D public centers. HCTECH participates integrating our monitoring systems in the dredging vessel. The aim of the project is to achieve a vessel design that minimizes the dispersion of pollutants in the water column during dredging and depositing the dredged material. Our company focuses on monitoring the turbidity real-time, and on integrating a broad hardware-software system on board. This system will offer real-time, on-line, geo-referenced information about the sea-bottom topography during the dredging process, based in interferometry. The objective is to increase the efficiency of the dredging process having the sediment volume calculations and the dredged area information available quickly and accurately. HCTECH also participates in a project for monitoring the constructive stability of harbour structures exposed to strong ocean waves impacts (which is in its initial stages). This project integrates ecosounding, LIDAR images and in-situ sensors for monitoring the stability of concrete blocks and the evolution of these structures through time.

Expertise offered (related to the topic)

HCTECH is integrated by telecommunication engineers, industrial engineers, and electronic and computing technicians, all of them with experience in R&D project execution and management. Up to 9 people are working now for the company. HCTECH started in 2011, but its staff comes from working in research projects in the University of Vigo, and from the R&D department of CIS (Centro de Investigaciones Submarinas) where they participated in more than a dozen R&D projects in the area of ocean monitoring, water quality monitoring and marine resources for the last 10 years (BAIP2020, Ecodraga, ProCIS, XeoTV, Hidroboya, integrating heavy metal sensors, and microbiological pollution sensors, RAIACo...)

Previous FP experience

HCTECH has no previous experience in international/european collaborative projects, but as stated before, has strong expertise in national and regional collaborative R&D projects.

Role in the project

Tech. Development; Demonstration;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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E-mail: galactea@cisgalicia.org

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **LOLIGO SYSTEMS APS**

SME

*PROFILE from Denmark
(15DK263)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

In the year 2002 Loligo® Systems started as a spin-off from the University of Copenhagen in Denmark. Since then we have been devoted to the development of unique scientific equipment primarily for measuring oxygen consumption rates, swimming performance and behavior in aquatic animals.

Today Loligo® Systems is a triple A (AAA) company, and more than 500 scientists in 50 countries use Loligo® equipment in their research. As a result several hundred peer-reviewed papers in international scientific journals refer to the use of Loligo® equipment. Product applications range from basic research in aquatic animal respiration, exercise physiology, ecophysiology, bioenergetics and behavior, to more applied research using Zebrafish and other model animal systems for ecotoxicology, neuroscience or biomedicine.

Expertise offered (related to the topic)

1) Aquatic animal respiration measurements including micro plate systems for bioassay-sized organisms, and swim tunnel respirometers; 2) animal behavior video analysis software and test systems; 3) sensors and instruments for water quality monitoring and control (O₂, CO₂, temperature, salinity, pH, flow, turbidity) including fiber optic sensing technologies.

Previous FP experience

Role in the project

Tech. Development

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES264)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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E-mail: galactea@cisgalicia.org

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Partnership Profile



TEL AVIV UNIVERSITY

R&D Institution

*PROFILE from Israel
(15IL382)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

Located in Israel's cultural, financial, and business heartland, Tel-Aviv University is the largest comprehensive research university in Israel. Comprising 9 faculties, 24 Schools and 105 departments, the university has over a hundred research centers and institutes. On top of the extensive range of study programs that TAU offers its 29,000 students, over the years Tel Aviv University has introduced an ever-increasing number of interdisciplinary programs in vital new fields, such as nanoscience and nanotechnology, bioinformatics and biotechnology.

Among the university's 1,000 faculty members are internationally renowned scientists who have made a major contribution to their respective fields.

In 2013 Tel Aviv University was ranked 18th in the world in the criteria citations per faculty member.

The commercial arm of TAU, Ramot at TAU Ltd., has many years of experience in translating basic research achievements to products that benefit society.

Tel Aviv University participates in the European Framework Programmes since the 5th Framework Programme. With participation in 50 projects in FP5 and 75 projects in FP6 and 225 in FP7 (33 of which are ERC's and 108 Marie Curie Grants).

Role in the project

Research

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

Country: Israel

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E-mail: uri@iserd.org.il

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **ISTITUTO ZOOPROFILATTICO SPERIMENTALE PIEMONTE LIGURIA E VALLE D'AOSTA**

Other organization(consulting,association,...)

*PROFILE from Italy
(15IT265)*

TOPIC OF INTEREST

TOPIC

BG-2-2015: Forecasting and anticipating effects of climate change on fisheries and aquaculture

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

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Telephone: 0039 011 5669239

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Fax: 0039 011 5669238

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



ASCAMM PRIVATE FOUNDATION

Technological Centre

*PROFILE from Spain
(15ES266)*

TOPIC OF INTEREST

TOPIC

BG-7-2015: Response capacities to oil spills and marine pollutions

ORGANIZATION EXPERTISE

ENTITY PROFILE

ASCAMM Private Foundation is a design and industrial production technology centre and a reference in Europe in respect of generating proprietary technology (9 families of patents of industrial application) for obtaining products with high added value, and attaining solutions for improving strategies and innovation management in enterprise. ASCAMM currently employs over 170 highly qualified staff in its 11,000 m2 high tech headquarters near Barcelona, Spain.

The research activities are organized under five great packages: Total product development, Manufacturing processes and production technologies, New Materials processing, Knowledge-based technologies and Industrial Sustainability.

ASCAMM has been beneficiary in 139 EU projects: 16 in FP6 (5 as coordinator) and 32 in FP7 (13 as coordinator). Currently ASCAMM participates in 26 ongoing EU projects.

Expertise offered (related to the topic)

The Unmanned Systems unit in ASCAMM focuses on applied research on mobile robotics for civil applications involving complex task automation performed by ground and aerial robots. Furthermore, they have experience in sensor data fusion and seamless navigation (indoors and outdoors, using GNSS, laser, cameras and wireless signals).

ASCAMM lead the group topic of Autonomous Navigation in euRobotics and the unit as expertise in:

- Inspections and autonomous Missions (tracking) based on visual information and range sensors (laser, sonar, etc).

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Autopilots, planning and path optimization, obstacle avoidance, etc.- ROS (Robotic Operative Systems) and other middleware and frameworks.
- Development of graphical operator interfaces with GIS, 3D world, Command and Control, etc. components.
- Sensor data fusion: map mosaicing, 3dmodelling, segmentation and Clasification, etc.
- Field testing, validation in operational scenarios (tests on ports, airfields, offshore, etc.).

The Unmanned Systems Unit is leader of NATO STO Exploratory Team in Command and Reporting Standards and Development Tools for UxS. Promoters of NATO Lectures in this subject (Portugal, Spain, Belgium, Italy and USA).

Previous FP experience

Currently ASCAMM is responsible for the coordination of a heterogeneous team of robots for Search and Rescue operations in the ICARUS project (FP7), project for which ASCAMM also provides the outdoor quadrotor for outdoor mapping and victim search in the event of a natural disaster. This platform is an evolution of the previous project LIFT (VALTEC08-2-0047, 2008-2011), a general-purpose quadrotor design for heavy payloads). Another relevant FP7 project is DOCKING-ASSIST, where ASCAMM developed a Real-Time Kinematic (RTK) positioning system to enable high accurate vessel manoeuvring and docking the harbour.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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Country: Spain

Contact person: Cristina Peña

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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK267)*

TOPIC OF INTEREST

TOPIC

BG-7-2015: Response capacities to oil spills and marine pollutions

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

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AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in
 FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.
 FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.
 FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Contact person: Anders Skeem

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES268)*

TOPIC OF INTEREST

TOPIC

BG-7-2015: Response capacities to oil spills and marine pollutions

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES269)*

TOPIC OF INTEREST

TOPIC

BG-7-2015: Response capacities to oil spills and marine pollutions

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works
- Special machinery and vehicules

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- Technical training courses

- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:

- * Programming of PLCs and SCADAs.

- * FAT tests

- * SAT test, equipment control.

- * Electrical engineering

- * Fabrication of MCCs and Control Panels

- * Commissioning

- Processes automation and machine control:

- * Programming of PLCs and operator panels.

- * Axis control systems with servomotors.

- * Variable frequency drive.

- * Instrumentation.

- Productivity control and traceability systems:

- * SCADA programming

- * PLCs programming with Ethernet connection to PC with Visual Basic.

- Computer vision:

- * Quality control systems

- * Robot control systems with computer vision

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- Robotics:

* Design and implementation of robotic systems

* Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

* Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



*ESTACIÓN EXPERIMENTAL DEL ZAIDÍN, CSIC, DPT.
ENVIRONMENTAL PROTECTION*

R&D Institution

*PROFILE from Spain
(15ES270)*

TOPIC OF INTEREST

TOPIC

BG-7-2015: Response capacities to oil spills and marine pollutions

ORGANIZATION EXPERTISE

ENTITY PROFILE

The mission of the EEZ Institute is to become a centre of excellence on plant sciences, microbiology and environmental protection by carrying out fundamental and strategic research aimed at the understanding and exploitation of plants, microbes and their relationships, with especial emphasis on crop yield, quality, valuable products and the improvement of the environment, to make its findings available to the society, and to disseminate new knowledge, technology and know-how to meet the needs of end-users.

Within the Institute, the research at the department of Environmental Protection focuses on the mechanisms underlying the key roles bacteria play in environment recovery and plant health, and their biotechnological exploitation. Research in biodegradation has been oriented towards the elimination of aromatic hydrocarbons, TNT and lindane. Biodegradation studies have been expanded to the removal of other contaminants such as PAHs and chloroaromatics by soil bacteria under aerobic and anaerobic conditions.

Expertise offered (related to the topic)

Silvia Marqués' group works on the microbial ecology of aromatic degradation. The research interests are dedicated to the molecular analysis of natural populations subjected to drastic changes in the environmental conditions, with emphasis on anaerobic processes. This includes the deep analysis of degradation pathways for recalcitrant molecules, especially under anoxic conditions. The main goal is to understand how microbial communities respond in situ to contamination events in

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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nature, and to exploit that knowledge to implement new low-cost remediation strategies. The group is expert in the analysis of bacterial communities at the molecular level, including metagenomics; but it also has a proved experience in the isolation of microbes of interest. The group has been extensively trained in these topics through its recent work on the Prestige oil spill.

- Metagenomic analysis.
- Strain isolation and characterization (aerobes and anaerobes)
- Hydrocarbon and contaminant degradation pathway characterization.
- Biodiversity analysis, functional diversity.

Previous FP experience

Presented a project at FP7-KBBE-2014 that was not financed.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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Address: C/ Max Planck, 3. Edificio Iris 1.

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Country: Spain

Contact person: Cristina Cabeza

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Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK361)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agriculture and food sectors. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy on a commercial basis related to the development of new technologies. In our work we pay special attention to small and medium-sized companies, but we cooperate with companies of any size and any nationality.

We see the opportunities of microalgae production for food, feed, nutraceuticals and other higher-value products and collaborate with different partners to explore this potential in a northern climate context. Our projects span all aspects from research, primary production and market appliance.

Expertise offered (related to the topic)

AgroTech offers expert knowledge in growth optimization of microalgae and cyanobacteria, with an emphasis on closed production systems in greenhouses. Our knowledge is based on many years of experience in plant photosynthesis models and plant growth optimization, including the effect of nutrients and (artificial) lighting. We have a test facility with microalgae photobioreactors (lab up to semi commercial scale) and separation equipment, suitable for production trials, and we offer advice on many practical aspects of production scale-up. Our Biotech Service Lab includes facilities for proper strain storage and for small-scale tests, including growth and photosynthesis characterization of your microalgae of interest.

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Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES271)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrates, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Graphical and interactive design, Geomarketing, corporate project design
- Software and systems engineering and Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence, Geomatics, GIS and remote sensing
- Data flows integration and management, Data science
- Geographic Big Data handling and processing

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators. This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision

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making and policy processes. We use the latest technologies in geographic information to geolocalize data and show them in a clear and tidy way, with high-end functionality.

R&D Projects:

- MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with an heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has felt always at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

- Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

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URL: results integrated in REDIAM Portal,
<http://www.juntadeandalucia.es/medioambiente/site/rediam>

For our developments we choose Open Source Software, as an Open Source company, it really appeal to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

Expertise offered (related to the topic)

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic BG 12 - 2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth, based on giving SMEs the chance to collaborate in this call implementing their technologies related with the topics of this call. We are a SME wich has experience contributing to European Project´s consortiums providing high-tech solutions and developing marketable solutions:

We develop web visor and applications to show project's results, developing Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at the dissemination of projects results and project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7).

Geomatics for European Projects: We collaborate in a project with the Università Ca' Foscari from Venice and the European Spatial Agency (ESA), we bring our experience in the management of working groups and dissemination of results of an outstanding group of scientists and researchers. Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7).

We have participate in the international projet MedMIS, developing a solution for the International Union for the Conservation of Nature (IUCN) in the context of the MedPAN North project (URL: <http://www.iucn-medmis.org>).

For MedMIS project we have developed an online information system and a mobile application for monitoring invasive non-native species in Mediterranean Marine Protected Areas (MPAs).

It contains information on the pathways and impacts of major marine species that have invaded the Mediterranean Sea, their distribution on MPAs and how to monitor and identify them as well as what can be done to prevent their establishment and spread in the MPA´s environment. it has functionalities such as Maps, Reports, Discussion, and Warnings.

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It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Because we have experience developing solutions for projects of this theme and because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user's forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

Geographica design and develops spatial data infrastructures based on the Inspire and EuroGEOSS, and GEOSS standards. We build easy to use webs, both public and intranets, to show indicators, cartographic viewers, and cartographic reporting.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management.

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We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)
- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Jaime Durán

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Partnership Profile



HCTECH (HERCULES CONTROL S.L.)

SME

*PROFILE from Spain
(15ES272)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

Role in the project

Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



NANOIMMUNOTECH

SME

*PROFILE from SPAIN
(15ES273)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

NANOIMMUNOTECH is the first European company specialized in the Bioconjugation/Functionalization, Biological (in vitro & in vivo) and Physico-chemical characterization of nanosystems. Our main area of activity is focused on biomedical, pharmaceutical and biotechnological companies, cosmetic, veterinary and agrofood market and research groups interested in the use of nanostructures with potential biotechnological applications. NANOIMMUNOTECH main objective is to become a world leader in Functionalization and Characterization of nanometric systems, offering products and services within the Biotechnology and Health sectors. The company has highly qualified and internationally recognized human resources, state-of-the-art laboratory capabilities, standardized protocols and finally, the know how to perform proper supervision, advice and validation of different nanosystems, as a first step to the previous use of nanoparticles in biotechnological applications.

Expertise offered (related to the topic)

Nanoimmunotech wants to revolutionise biosensing and offers two disruptive transducer technologies that have been designed using Nanotechnology, achieving very low detection limits, using very different types of analytes for multiple industries (human or animal diagnosis, agrofood, natural environment contaminants detection, etc.). These technologies have been successfully tested

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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already, with great results for example while detecting Carcinoembryonic antigen (CEA) (human health diagnosis) or detecting Salmonella (food industry), among others.

Previous FP experience

We are already involved in an European project, offering our NITBIOSAFE services in the development of nanotherapeutics for antibiotic resistant. We are also involved in multiple national collaborative projects related to: (1) nanoparticles for drug delivery by magnetic resonance, (2) development of a vaccine against recurrent cystitis, (3) development of a new industrial nanotechnology for obtaining porcine products, (4) biosensing of drugs in water.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

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E-mail: galactea@cisgalicia.org

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Partnership Profile



ROVIMATICA S.L.

SME

*PROFILE from Spain
(15ES274)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

ROVIMATICA is a high tech engineering company specialised in providing industrial services in the fields of Robotics, Computer Vision and Automation.

The company has highly qualified staff who work actively in the desi, implementation and commissioning (in terms of control, regulation, supervision, treatment of information) of automation solutions for factories. Rovimatica also designs and manufactures special machinery to meet the client's requirements. Furthermore, ROVIMATICA is able to face projects of important economic dimensions by developing their internal capabilities and cooperating with its partners.

ROVIMATICA provides knowledge and experience in the following fields:

- Automation and Control
- Robotics, Computer Visión
- Engineering and commissioning
- Industrial Processes
- Electrical Engineering and Installations
- Fabrication of MCCs and Control Panels
- Maintenance works

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Special machinery and vehicles
- Technical training courses
- R&D

As a relevant R&D project, Rovimatica has developed a robotic vehicle to clean the parabolic cylindrical mirrors of the thermal solar plants. Today this vehicle is used and manufactured by Abengoa Solar for all its thermal solar plants. This vehicle works completely in automatic mode. The conductor of the industrial vehicle only has to drive like other lorries. The system does not need anyone to run it and adjusts itself to the mirrors.

Expertise offered (related to the topic)

Expertise offered:

- Industrial Plants:
 - * Programming of PLCs and SCADAs.
 - * FAT tests
 - * SAT test, equipment control.
 - * Electrical engineering
 - * Fabrication of MCCs and Control Panels
 - * Commissioning
- Processes automation and machine control:
 - * Programming of PLCs and operator panels.
 - * Axis control systems with servomotors.
 - * Variable frequency drive.
 - * Instrumentation.
- Productivity control and traceability systems:
 - * SCADA programming
 - * PLCs programming with Ethernet connection to PC with Visual Basic.
- Computer vision:
 - * Quality control systems

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* Robot control systems with computer vision

- Robotics:

* Design and implementation of robotic systems

* Repair and maintenance works of robots. Authorised company to repair Mitsubishi robots.

- Preventive and corrective maintenance works

* Through qualified professionals with experience in programming and electromechanical installations.

- Design and developing of special machinery and systems for industrial vehicles

- Technical training courses

- R&D. Our company is actively involved in R & D both in collaboration with other companies and individually.

Previous FP experience

No previous experience in European Framework Programmes.

Role in the project

Research; Tech. Development; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Jaime Durán

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E-mail: jaime.duran@juntadeandalucia.es

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



SIGMA BIOTECH, S.L.

SME

**PROFILE from SPAIN
(15ES275)**

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

Sigma Biotech offers a wide range of services focused on developing innovative agri-food projects, thanks to a multidisciplinary team that meets the needs of R & D firms adapted to the food sector.

Experts on solving specific needs, medium-term undertaking projects and engage in strategic plans that lead to the development of a variety of food products that are launched in the market by implementing innovative new food technologies. DESIGN AND DEVELOPMENT OF NEW PRODUCTS.

CHARACTERIZATION OF FOOD.
ADVICE AND MANAGEMENT IN THE PREPARATION OF REPORTS AND PRESENTATION OF GRANTS AND SUBSIDIES FOR R & D BOTH AT REGIONAL, NATIONAL AND EUROPEAN.FUNDING I + D + i

Sigma Biotech collaborates with public and private agencies , offering full management for companies to successfully access to existing financial aid for the development of R + D + i , taking place from document management to technical development so integrity.

Our successes behind us. Some of the projects that your team works are:

- New range of spirits alcoholic dairy adjustable solidified .
- Development new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .
- Systems emulsifiers based on fatty no additive for stabilizing batters .

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .
- New range of products consist of multilayer restructured quince and dairy .
- New range of soft drinks based on natural products.
- New range of oilseeds with different wall mounts .
- Textured products from natural raw materials.
- Enzyme Systems fermented bread with no thermal activation of yeast.
- Chromatic flavored alcoholic beverages , based on the ionization of anthocyanins by acid-base shift .
- Ice high melting point surfactant systems based on the reduction of interfacial surface tension.

Expertise offered (related to the topic)

TECHNOLOGICAL SOLUTIONS

Sigma Biotech is specialized in optimizing production processes and manage technology solutions products, both for improving the same as for the correction of any physical alterations chemical, microbiological, organoleptic , rheological ...

The methodology conducted by Sigma Biotech for the development of a project is based on a clear philosophy: to accompany the client at all stages of the same , from idea generation until memory document management , technical development laboratory scale and industrial location :

- Visit the customer premises, thereby acquiring much information as possible and thus facilitating the development of the project.
- Signing a confidentiality agreement between the parties, ensuring the utmost privacy possible.
- Writing a previous projec , based on the research that is to be carried out , for review by the customer and making the appropriate adjustments .
- Presentation of a final draft . Document management into CDTI presentation or in the appropriate body .
- Confirming the proposal and the budget and signing the contract.
- Technical development laboratory and pilot scale and industrial location .
- Memory Presentation results and relevant technical justification to the appropriate body .
- Sigma success Biotech acceptance works if technical report presenting a funding agency, if it is rejected , the customer does not acquire any financial commitment or technical .

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Previous FP experience

TECHNOLOGICAL SOLUTIONS

Sigma Biotech, despite being a newly established company , is working in R & D with major companies in the sector in Spain . Currently , is involved in many interesting projects that are giving more interesting conclusions for the future of the industry agroalimentaria . Some of the major projects in which your team works are:

- New range of spirits alcoholic dairy adjustable solidified .
- Developing new range of soft drinks based on modifications of thixotropy , surface tension and the use of colloidal suspensions .
- Development of a range of ion balance stabilizers for the standardization of the goat cheese rind .
- New range of soft drinks based on natural products.

Enzyme Systems fermented bread with no thermal activation of yeast.

Chromatic - alcoholic flavored drinks , based on the ionization of anthocyanins by acid-base shift .

Ice - melting high surfactant systems based on the reduction of interfacial surface tension

Role in the project

Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GRONCONSULT

Other organization(consulting,association,...)

*PROFILE from Denmark
(15DK276)*

TOPIC OF INTEREST

TOPIC

BG-12-2014/2015: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

ORGANIZATION EXPERTISE

ENTITY PROFILE

Gronconsult is a consultancy lead by Arne Grønkjær Hansen. Mr. Hansen has a profound experience within agricultural development and management including 9 years experience in project management and extension service.

He is advisor for the Danish Ministry of Environment on emission abatement in agriculture. Teacher on agricultural school for 4,5 year on farm management, housing design and logistics. Additionally, he has extensive hands-on working experience advisory service in farm management including planning and design of animal housing and feeding.

Experience with planning and conduction of tests and verifications of environment technology i.e. for biogas production.

He has project management in skills developed through education and long experience in Danish Agricultural Advisory Service and approved technological institutes (Agrotech and DTI). Is and has been project manager in innovation projects concerning animal housing, animal welfare, environment protection, emission abatement, slurry treatment. Was representing Denmark in EU-Umbrella "Euroagrifoodchain" in the period 2008-2012.

Expertise offered (related to the topic)

Project management, dissemination and demonstration services.

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Previous FP experience

Project leader of BIOMAN (FP7 R4SMEs). Fundraising through Danish funds and EU funding (Eurostars programme/FP7 R4SMEs) - Areas: biomass treatment, biogas production, agriculture, environment protection.

Role in the project

Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK277)*

TOPIC OF INTEREST

TOPIC

BG-16-2015: Coordination action in support of the implementation of the Joint Programming Initiative on 'Healthy and Productive Seas and Oceans'

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Telephone: 4540309637

E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES278)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusinesses. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We perform the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, , Advances analytical techniques in food studies (MS/MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation and packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training course and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD has a clear main, to make companies, especially SMEs, more competitive through innovation and R&D activities.

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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IDEALFOOD has prioritized scientific activities of technological knowledge generation and knowledge application development of R&D, for the benefit of the whole agrifood sector, and, particularly, for the 44 members who make up the association, belonging to different areas of the sector.

Since its inception, IDEALFOOD has led the implementation of more than 100 research projects. The center has organized more than 90 events (meetings, workshops, conferences, courses, etc.), has met the demand of 500 clients and has developed 60 technology transfer actions. It has also become part of several European consortiums for research projects.

AEVIA, Association of companies linked to the Andalusian food industry.

Spanish Olive Technology Platform (ALENTA)

Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

GLOBAL NETWORKS AND CLUSTERS

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode:

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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E-mail: cristina.cabeza@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



VENADOGEN

SME

*PROFILE from Spain
(15ES279)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Venadogen is a science-based company (spin-off) from the university of Castilla-La Mancha. It works in the deer breeding, game management, deer farming, and wildlife management area. As it is formed by a scientific team, it is involved in research and its application as innovation in consulting. The deer breeding in farms is a sector that currently involves 10,000 farmers in Europe and 300,000 deer, however only in Spain there are 3,000 game estates (of 1,000 has or more) and 650,000 deer. Our company offers a range of services to both farmers and game managers: 1) Analysis of antler chemical composition and mechanical properties to detect mineral deficiencies and management problems; 2) Consulting on deer farming or game management from these analysis and general assessment of data gathered from the farm/game estate or derived from inspection of practices; 3) Training of best management practices, ranging from handling, to feeding, health management, etc. 4) Dissemination of available scientific technology in aid of deer farmers or managers. RESEARCH PROJECTS: We have more than 16 national and regional research projects including the last one (AGL2012-38898) obtained in the most competitive call during the hardest part of the economic recession. In addition to the projects obtained as research team, Venadogen has obtained 3 projects for contracting technologists (postdocs) for developing as a marketable service the diagnostic tool for consulting derived from our research.

Expertise offered (related to the topic)

Venadogen offers expertise in transferring technology to the farming deer sector. It has expertise in converting research into innovation (the topic of the current call), and has a close relationship with

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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the deer farming and breeding economic sector. We can provide demonstrations in the experimental deer farm of our research group in the University of Castilla-La Mancha, as well as training for farmers to learn to use better practices or new technological methods for nutrition, breeding manipulation, etc.

Previous FP experience

We participated in a KBBE proposal in 2013, plus a Advanced Research Grant proposal in 2012, but none was finally selected.

Role in the project

Training; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

Address: EDIF. ITQUIMA AV. CAMILO JOSE CELA S/N

Postcode: 13071

City: CIUDAD REAL

Country: SPAIN

Contact person: Gabriela Gallicchio

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**DEPT NUTRITION & FOOD SCIENCE, PHARMACY SCHOOL,
UNIVERSITY OF BARCELONA**

R&D Institution

*PROFILE from Spain
(15ES280)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Barcelona (UB) was founded in 1450. Today it boasts of a student body of 74,000 and a teaching staff of 4,150 members. The UB is structured in related areas of teaching, 20 university schools, 96 departments and 71 degree courses. Postgraduate and graduate school programmes are also offered, as well as a large number of continuing education courses. UB students have access to an extensive range of services. 10.000 bachelor's degrees and 400 PhDs are awarded each year. Nowadays the university has four campuses in different parts of the city.

The UB is the largest of the six universities of Barcelona and of the ten in Catalonia. The UB is ranked the first Spanish university, and the twenty third European institution, in scientific quality and productivity. The UB manages about 150 European projects per year, for an amount of about 19.3 million €. In addition, the UB has implemented a quality programme aiming fundamentally to design mid and long term strategies in order to evaluate and improve teaching and research in public higher education.

The University of Barcelona (UB) is the Spain's leading research university, publishing more research than any other Spanish institution with the sole exception of CSIC, the national research council, according to the European Commission's Third European Report on Science and Technology Indicators.

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 <small>Business Support on Your Doorstep</small>  AGROFOOD <small>European Partnership</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	 HORIZON 2020
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The faculties and the Scientific and Technical Services (SCT) of the University of Barcelona who are offering the above work programmes are housed on the Pedralbes campus:
http://www.ub.edu/mapes/campus_diagonal.htm

http://www.nutrimetabolomics.com/sites/nutrimetabolomics.com/files/uploads/documents/NUTRIMETABOLOMICS__A4_25102011-2.pdf

Expertise offered (related to the topic)

In order to bolster R&D activity and improve the quality of public- and private-sector innovation in technology, the University of Barcelona Group (UB Group) conducts a number of projects promoting knowledge and technology transfer in basic research between the UB and private and public businesses and institutions. The UB Group hereby ensures that such institutions can play an instrumental role in technological innovation and fully develop the potential of the quaternary sector.

The UB Group actively participates in the EU's research, development and innovation policies in the framework of the new European Research Area. The UB Group's agencies include the Bosch i Gimpera Foundation, the Patents Centre, the Science and Technology Centres, and the Barcelona Science Park.

The UB Group comprises a series of high-profile organizations and services staffed by specialists in the field which have made it a benchmark for other technology centres:

- Science and Technology Centres (CCiTUB)
- PCB Scientific Services
- Scientific, technical and other specialized services
- Mixed biotechnology platforms
- Animal Experimentation Service
- Audiovisuals
- Promotion of research

UB Centre for the Transfer of Knowledge, Technology and Innovation:

- AREAS OF RESEARCH EXPERTISE FOR SECTORS:

http://www.ub.edu/web/ub/en/recerca_innovacio/transferencia_de_coneixement/empreses_institucions/ambits_expertesa/ambits_expertesa.html?

BIOMARKERS AND NUTRITIONAL&FOOD METABOLOMICS CAPACITIES:

- Development of human intervention studies & clinical trials in hospitals

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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- Diet analysis & estimation of phytochemical intake
- Design & implementation of metabolomics analysis protocol
- High-throughput food & biological sample analysis
- Bioinformatics & biostatistical tools: computational-assisted biomarkers identification & biological interpretation

BIOMARKERS AND NUTRITIONAL&FOOD METABOLOMICS Transversal technologies:

- UHPLC-DAD/ESI-QqQ MS: targeted metabolic profiling.
- UHPLC-ESI-q-ToF MS: LC-MS-driven untargeted metabolomics analysis.
- UHPLC-LTQ-Orbitrap MS: MSn fragmentations & compounds identification.
- 1H-NMR: NMR-driven untargeted metabolomics analysis.
- LTQ-FT Ultra

<http://www.nutrimetabolomics.com>

Previous FP experience

The UB's level of research activity and scientific output is among the highest in Spain. The University is currently involved in 700 national projects, 33 European projects and around 750 contracts with companies. The toTal income from these activities is around 76 million euros per year. Research and technology transfer at the UB: http://www.ub.edu/web/ub/en/recerca_innovacio/recerca_innovacio/xifres/xifres.html

Role in the project

Research; Training; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

Contact person: Cristina Peña

Telephone: 34935517401

E-mail: cpenya@gencat.cat

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



FOOD TECHNOLOGY DEPARTMENT. UNIVERSITY OF SANTIAGO DE COMPOSTELA

R&D Institution

*PROFILE from
(15ES281)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Santiago de Compostela (USC), founded in 1495, is one of the university institutions with a great tradition in Europe. The large number and excellence of the courses taught and the quality of the research undertaken particularly in the fields of life sciences and agrofood place the USC among the most prestigious universities in Spain and Europe. As a matter of fact a USC's main project called CAMPUS VIDA (Life Science Campus) has been qualified in 2009 as an International Campus of Excellence by the Spanish Ministries of Education and Science and Innovation.

Expertise offered (related to the topic)

The USC has numerous research groups in food, from different points of view. Among the most important lines of research are:

- resources (identification, sustainable use, environmental impact assessment,)
- characterization of food (sensory and physico-chemical)
- processing technologies
- conservation technologies
- food-safety

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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-waste (integrated management, development for use as high-value compounds, feed ...)

-economics (feasibility studies of production and / or marketing, improved management of production and / or marketing, market simulator to estimate production, studies on positioning of brands and launching new products,)

Previous FP experience

The USC has led or participated in many European projects.

Role in the project

Research; Tech. Development; Management

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**RESEARCH GROUP "BIOLOGY AND PRODUCTION OF DEER"
- CASTILLA LA MANCHA UNIVERSITY**

R&D Institution

*PROFILE from Spain
(15ES282)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Biology and Production of deer research team is part of Spain's national game institute (IREC) at the university of Castilla-La Mancha. We manage the first experimental deer farm in Europe, which allows us to do not only research, but also training and demonstration of deer farming and management practices. Our research ranges from antler analysis as a tool to detect mineral deficiencies, or management problems, to lactation, nutrition, calf growth, deer breeding, and all areas related with deer management. The deer breeding in farms is a sector that currently involves 10,000 farmers in Europe and 300,000 deer, however only in Spain there are 3,000 game estates (of 1,000 has or more) and 650,000 deer. We are in contact with the top deer breeders in Europe and also with science based companies both in the EU and New Zealand, the country that most innovation in the area of deer farming develops and applies. Thus we are in a superb position to do dissemination of available scientific technology in aid of deer farmers or managers. As an example, we organized the first congress for deer professionals to transfer available technology into the market (www.emad.es). RESEARCH PROJECTS: We have more than 16 national and regional research projects including the last one (AGL2012-38898) obtained in the most competitive call during the hardest part of the economic recession. In addition to the projects obtained as research team, Venadogen has obtained 3 projects for contracting technologists (postdocs) for developing as a marketable service the diagnostic tool for consulting derived from our research.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

Our research group has more than 20 years of experience in research in the deer sector, in applying basic research to convert it into applied research first and innovation afterwards. We have also a long developed expertise in transferring technology to the farming deer sector. We have a close relationship with the deer farming and breeding economic sector in all Europe (one of our members is vicepresident of the European Federation of Deer Farmers, www.fedfa.org; and president of the international deer and wild ungulate breeders association, IDUBA). We can provide training and demonstrations in the experimental deer farm of the University of Castilla-La Mancha, as well as training for farmers to learn to use better practices or new technological methods for nutrition, breeding manipulation, etc. We are in close contact with scientific literature to extract useful information for the sector, and have contacts with companies that develop technology in the nutrition sector to apply to deer farming and game management.

Previous FP experience

We have filed a proposal for Advanced Research Grant in 2012, and we were part of a KBBE proposal both as a research team and as a spin-off company Venadogen, in a call in 2013. None of these was selected.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

Address: EDIF. ITQUIMA AV. CAMILO JOSE CELA S/N

Postcode: 13071

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Contact person: Gabriela Gallicchio

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**UNIVERSITY OF GASTRONOMIC SCIENCES/ SYSTEMIC
FOOD DESIGN RESEARCH UNIT**

R&D Institution

*PROFILE from Italy
(15IT283)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

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 <small>Business Support on Your Doorstep</small>  <small>AGROFOOD</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	 <small>HORIZON 2020</small>
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Country: Italy

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **UNIVERSITY OF TURIN-DISAFI- TEAM POST-HARVEST TECHNOLOGY AND SUPPLY CHAIN MANAGEMENT**

R&D Institution

*PROFILE from Italy
(15IT284)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration;

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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■ ■ ■ 885

 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES285)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)
- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

It is necessary to talk about our agricultural advisory work, particularly in the area of the social innovation, and in the coordination of the productivity with sustainability. In our experience as a link between the production sector and the research sector, we have collaborated to disseminate the latest news and innovations and we can detect the disconnection between the two sectors.

As good expert of local producers, we believe that it is possible to improve the research side (making it more practical, adapted to the real needs of producers and with a financial support depending on the results).

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Address: A Cabana, s/n.

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 <small>Business Support on Your Doorstep</small>  <small>AGROFOOD</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <small>HORIZON 2020</small>
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Partnership Profile



INTERNATIONAL DEER AND WILD UNGULATE BREEDERS ASSOCIATION (IDUBA)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES286)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDUBA is a newly created association that has not only deer breeders (deer farmers and breeders in game estates), but also any company that makes business around deer breeding, deer hunting, nutrition, other wild ungulates, their transport, farming fitting and machinery, hunting companies, etc. A few weeks after its registration in Spain (Nac. Reg. Num. 604359), IDUBA has members in 4 continents ranging from Russia to China, USA, New Zealand, in addition to a number of members in the EU. The aim is to transfer available scientific knowledge and innovation into SMEs using all electronic forms (forthcoming web platform under development, newsletters, news in the media, etc.), and boosting by doing this economic cooperation between all sorts of companies that benefit from a common platform that works to break the language barriers between companies (its Director of International Relationships is fluent in Russian, Spanish, English, French and Italian). We are in contact with the top deer breeders in Europe and also with science based companies both in the EU and New Zealand, the country that most innovation in the area of deer farming develops and applies. In addition to EU deer farmers, the most promising market is Russia, where the sector may have in the coming years a turnover of more than 6,000 M€, so that our platform aims to establish links between other members and customers in this country.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

We offer expertise in transferring technology to the deer farming sector, which is composed by micro-SMEs. We are in contact with many of the deer farmer associations, technological companies, related news media, and scientists in this sector. We already organized a meeting for technological transfer in this sector, the first meeting for deer professionals: the European Meeting on Antlers and Deer (EMAD: www.emad.es). We have links with all sorts of deer farmers (from those applying a great proportion of available technology for antler development or venison production, to those with the most traditional techniques at the smallest scale) in all countries of the European Union, Russia, USA, New Zealand, México, Argentina, and other countries. We keep good relationships and a great expertise in dissemination in most deer hunting magazines in EU, Russia or Japan (as well as with news providers in Russia and other countries). We know the most important scientific groups and technological companies working in the European Union and in New Zealand, as well as international groups working in cervids worldwide.

Previous FP experience

The president, Dr. Tomás Landete-Castillejos, participated in a KBBE proposal in 2013, plus a Advanced Research Grant proposal in 2012, but none was finally selected.

Role in the project

Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

Organisation name: UNIVERSIDAD DE CASTILLA LA MANCHA

Address: EDIF. ITQUIMA AV. CAMILO JOSE CELA S/N

Postcode: 13071

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Country: SPAIN

Contact person: Gabriela Gallicchio

Telephone: +34 926 295 300

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



ADEGUA

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES289)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Under the legal status of non-profit association of public interest, ADEGUA promotes sustainable development through innovation within its geographical area (province of Cordoba, Spain). All sectors are represented in ADEGUA (local governments, political parties, civil associations, cooperatives, business associations, banks, local companies and individual citizens). Some of the projects in which ADEGUA participates related to the topic are: -"Improving the quality of the oil by a biological method of controlling the olive fly" led by the International Campus of Agrifood Excellence (CEIA3) formed by the Universities of Cordoba, Jaen, Cadiz, Huelva and Almeria; - "The development of the desert truffle cultivation in olive groves in the region" led by the CEIA3; -"Use of polyphenols from olive leaves" led by the "Aceite de Baena" designation of origin and counting with researchers from the CEIA3; - "Green Villages" led by Innoves foundation; - "Andalusian Network of Intelligent Energy Eco-Districts (RADEI)" with the participation of Tecnalia and the Spanish National Centre for Hydrogen. In all of them ADEGUA connects local needs with research results of the centres of knowledge, acting as a living lab.

Expertise offered (related to the topic)

ADEGUA has the experience as project leader, the team, the access to financial resources, the local business network and the strategic vision, geared towards innovation, to be a valuable territorial partner in research projects. Our area acts as a living lab and can therefore serve as a real scale test

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bed for innovations, new products or services, thus facilitating the participation of individuals and or companies in those tests. ADEGUA's experience focuses on the areas of bio-economy, renewable energy, social change and social innovation pursued from a Community-led Local Development methodology.

Previous FP experience

Adegua has experience and know-how regarding the detection and analysis of territorial needs. And that is so since its inception in 1996, responding to the mobilisation promoted by the European rural development policies, seeking local sustainable development by innovation, entrepreneurship and a "bottom-up" approach. In this context, ADEGUA has carried out analysis and diagnosis of the territory of action in each period of Community programming. This process has resulted in three strategic plans implemented in the periods 1996-1999, 2000-2006 and 2007-2013, with budgets of public investment of 2.5, 6.4 and 5.3 million euros for each period. In this framework, ADEGUA has implemented a great number of local projects in the sector of bioeconomy and has coordinated some at a national level such as "Olive Growing, a new culture" (154.000 euros of public investment) or "Alternative energy: a future for the rural world" (600.000 euros of public investment).

Role in the project

Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

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Partnership Profile



AGRIFOOD CAMPUS OF INTERNATIONAL EXCELLENCE (CEIA3)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES290)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Agrifood Campus of International Excellence Ceia3 is a joint initiative between 5 universities of the south of Spain (Almeria, Cadiz, Huelva, Jaen and Cordoba as the university coordinator), the Andalusian Institute for Research and Training in Agriculture, Fisheries, Foods and Organic Production (IFAPA) and the Spanish National Research Council (CSIC).

Ceia3, one of the biggest Agrifood Campus of International Excellence of Spain, counts with 285 research groups specialized in agriculture and agrifood industry. These groups are divided into 16 thematic lines according to their affinity, from which 141 groups emerge with their own light, meeting excellence and scientific production criteria. Biodiversity and the Environment, Food Quality and Safety, Bioenergy, Rural and Agrifood Engineering, Plant and Animal Breeding and Health and Agricultural and Environmental Technologies are some of those thematic lines.

ceia3 has a Delegation in Brussels with the purpose to enhance the competitive position of ceia3 research groups by representing their interests before the European Commission.

Expertise offered (related to the topic)

Ceia3 main objective is to work to provide a response, through training, research and technology transfer, to the need for producing food in quantity, quality and variety, ensuring economic, social

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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and environmental sustainability, facing the challenges proposed by FAO for 2025: to provide food for the world's population, in accordance with population growth.

In addition, Ceia3 offers a wide range of studies related to agrifood industry, either grade or postgraduate. The International Doctorate School of Ceia3 has the most advanced programmes in which future researchers will be trained, as well as a highly qualified teaching staff with international recognition.

Finally, it is important to highlight that Ceia3 also cooperates with technology parks and innovative companies of the region with a clear view of their technological needs.

According to the topics, ceiA3 is very interested in taking part in the consortium for an EIP Thematic Network.

The International Project Office of ceiA3 enjoys a multidisciplinary team with extensive experience in transferring knowledge to the market and EU fundraising, as well as proposal drafting.

Previous FP experience

ceiA3 has experience in the participation on several projects concerning areas related to agrifood R&D of FP7 (KBBE, ENV, ENERGY, ICT). Moreover, ceiA3 has experience in other cooperation and academic calls for proposals: Erasmus+, Marie Curie, Interreg IVC, ERANET.

Role in the project

Research; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ASOCIACIÓN RED ANDALUZA DE DISTRITOS ENERGÉTICOS INTELIGENTES (ANDALUSIAN NETWORK OF INTELLIGENT ENERGY ECO-DISTRICTS)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES291)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Andalusian Network of Intelligent Energy Eco-Districts (RADEI) is a private association that brings together public entities and private non-profit making legal persons, interested in supporting the shift towards a low carbon economy through the design, creation, implementation and management of Intelligent Energy Eco-Districts.

RADEI works as an open network at an Autonomous Community level (Andalusia).

The RADEI association has been promoted by:

1. The City Council of Puente Genil
2. The City Council of Baena
3. The City Council of Alcala La Real
4. The City Council of Aguilar de la Frontera
5. The City Council of Santaella
6. The Estepa-Sierra Sur Rural Development Association
7. The Guadajoz- East Countryside of Cordoba Development Association

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8. The association "Sustainable Development Group of the Southern Countryside of Cordoba"

9. PASUR, the Agrifood Park of Southern Cordoba

The following organisations and experts are collaborating in the development of the RADEI strategy:

1. The Andalusian Energy Agency

2. The Andalusian Institute for Agricultural and Fisheries Research and Training (IFAPA)

3. The Andalusian Agency for Farm and Fisheries Management (AGAPA)

4. Provincial Delegation of the IDEA Agency in Cordoba

5. Provincial Delegation of the Regional Ministry of Agriculture, Fisheries and Rural Development in Cordoba

6. Provincial Delegation of the Regional Ministry of Environment and Planning in Cordoba

7. Provincial Delegation of the Regional Ministry of Economy, Innovation, Science and Employment in Cordoba

8. International Campus of Agrifood Excellence (CEIA3). Universities of Cordoba, Jaen, Cadiz, Huelva and Almeria

9. José Emilio Guerrero Ginés, Professor at the University of Córdoba

10. National Hydrogen Centre

RADEI intends to be involved in all those communities, innovation platforms, national and international joint technology initiatives related to the aims of the Association.

The Association aims to generate a dynamic between cities and small and middle-sized towns of Andalusia, in order to have an "Andalusian network of cities/towns with Intelligent Energy Eco-districts". These municipalities must promote the production and use of renewable energy through the deployment of infrastructure and services in distributed networks, automatically managed with intensive use of information and communications technologies (ICT).

All of that must be based on a smart specialisation approach by the participating municipalities to enable the necessary technological innovations and the use and valorisation of existing resources at the same time; thus laying the foundations for a model of growth that is:

a) smart, supported by SMEs oriented towards research, innovation and development of information technologies and knowledge;

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b) sustainable, promoting low carbon, energy efficient, risk prevention-oriented and green mobility-based economies;

c) inclusive, job-creating, taking into account social groups, basic needs and promoting high levels of education.

Given the rural nature of the founding municipalities and the territorial basis of the proposed model, we must pay particular attention to a bio-economy oriented strategy to ensure sustainable, inclusive and smart growth. The horizontal dimension of bio-economy offers the opportunity to tackle complex and interconnected challenges, contributing to the transition to a society more efficient in the use of resources, since it will be based on the management of renewable economic resources to satisfy the consumers' needs, the demands of the industry and to address climate change.

The change in the production model that RADEI promotes is based on the spiral of change brought about by the transition from the present energy-water model underpinning current production systems, especially agribusiness, to the new model we promote based on Intelligent Energy Eco-Districts.

The costs and the dependence on energy consumption, in an environment of increasing uncertainty, make the current agricultural and agribusiness model unfeasible.

The need to minimise water and carbon footprints, the possibility of transforming a problem caused by waste and residues (agricultural: slurry, manure or vegetable water; industrial: dregs; and residential: sewage sludge, urban solid waste) in a new economic activity- bioeconomy – and use this waste as raw material for the production of bioenergy, biogas, green electricity, second-generation (non-food energy crops) and third-generation biofuels (seaweed farming), bioplastics, biopharmaceuticals... are some of the highly innovative prospects of the model.

Expertise offered (related to the topic)

RADEI brings a concept of Intelligent Energy Eco-Districts as areas where:

a) two or more entities are connected by Third Industrial Revolution infrastructure to shared energy production facilities, with the highest possible level of self-sufficiency, based on a mix of renewable sources, including waste and/or energy crops; providing energy storage systems, a network of broadband ICT and control system and intelligent management .

or

b) a network of local biorefineries at a small scale is created (or aquaculture infrastructure in development) to serve consumers and/or companies in the district.

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Furthermore, the Intelligent Energy Eco-Districts promote an innovation and entrepreneurship eco-system, acting so as Living Labs. That means they will function as a real laboratory where actors (public administration, productive sector, science, civil society organisations and citizens) are actively involved in the innovation process (open and collaborative), co- creating and validating the solutions they need themselves, in contexts of actual use.

The network "Andalusia, Living Labs Territory" will be promoted to foster technological leadership, open innovation and entrepreneurship based on the intensive use of knowledge and technology.

RADEI was established on 25 February, 2014 and is designing Intelligent Energy Eco-Districts projects and Living Labs, especially their governance model.

Previous FP experience

RADEI has not yet managed international projects, but the founding institutions and partners have extensive experience in such projects.

Role in the project

Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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Country: Spain

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Partnership Profile



ORTOFRUIT ITALIA (PRODUCERS' ORGANISATION P.O)

Other organization(consulting,association,...)

*PROFILE from Italy
(15IT287)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Training; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

Country: Italy

Contact person: Daniela Vismara

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E-mail: d.vismara@pie.camcom.it

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AMIRAM PORATH CONSULTING

Other organization(consulting,association,...)

*PROFILE from Israel
(15IL367)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

General - One of the major challenges faced today by national economies is the slowdown in the world commerce. Since 2008 the international slowdown in the world trade has created a significant economic problem for different countries and regions.

The changes in the last decades that has given advantages to knowledge based and innovative economies, has placed the hopes of economic growth on R&D active organizations and SMEs. That outlook combined with the current situation make it very difficult for traditional sectors and therefore for economies based on such sectors, to maintain their growth ration, and even to grow at all. These traditional sectors (e.g. natural food raw materials, Furniture, and Jewellery) are now required to innovate, but lack both the managerial capacity and the financial support.

At the same time pressure is being applied to research organizations for them to further their contacts in the community and to assist the growing economy by facilitating technology transfer and innovation transfer to the firms. APC currently consults the Chief Scientist of the ministry of Economic Development (formaly industry and trade) in SIrael, as well as companies seeking strategic development.

Expertise offered (related to the topic)

The service APC proposes, is focused on assistance to the development of Innovation systems, promote R&D in different sectors, in a specific region by analysing the needs, developing a

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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comprehensive system and training their existing management in innovation management, including for example facilitating Technology Transfer activities in cooperation with the research institutions to allow for improved competitiveness and to remove the barriers for future cooperation between the local partners, by creating a positive experience. This activity will help to create R&D capabilities in the companies involved, and to further encourage them to acquire and assimilate new technologies.

The expertise of Dr Porath, the CEO of APC is demonstrated in the following sections and can also be followed using his publications (see Amiram Porath on Amazon.com). A holistic approach to knowledge transfer, research collaboration to close the knowledge gap, as well as instruments to close the development gap - to the market are offered.

Previous FP experience

2011 – 2012 SBA Mapping project phase II – National Consultant

2010 – 2011 SBA Mapping project – National Consultant

2009 – 2010 METRIS Country Correspondent

2008 – 2009 ERAWATCH Country Correspondent

2006 – 2008 Administrative Coordinator of DNA devices – an FP6 project.

2002 – 2005 Administrative Coordinator of DNA as Nanowires – an FP5 project.

2001 – 2004 Country Coordinator of the European Jewellery Institute – a virtual centre under FP5 in Jewellery technology.

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

Address: 29 Hamered St.

Postcode: 61500

City: Tel Aviv

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Israel

Contact person: Uri Fishelson

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GRUPO TRAGSA

Large company

*PROFILE from Spain
(15ES288)*

TOPIC OF INTEREST

TOPIC

ISIB-2-2014/2015: Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange

ORGANIZATION EXPERTISE

ENTITY PROFILE

TRAGSA is the matrix company of GRUPO TRAGSA, a State owned Spanish company which provides the Spanish Ministry of the Environment, Rural and Marine Development with engineering and infrastructure services and management-related technical and administrative support. GRUPO TRAGSA is a leading company in the forestry and agricultural development segments of the Spanish technical assistance and engineering field.

GRUPO TRAGSA has strong presence nationwide, with offices in 17 regions and 52 provinces, providing added value in terms of quick and effective implementation and execution of entrusted projects.

The international presence of GRUPO TRAGSA seeks the transfer of know-how, experience and technology in its chosen areas of expertise, with more than 120 projects in 35 countries in North Africa, Sub-Saharan Africa, Latin America and the Caribbean, Asia, Europe and the Middle East. This international presence, which was mainly initiated through Spanish co-operation projects, has expanded

with input from experts and the successful winning of tenders in which GRUPO TRAGSA has participated, both individually and in consortium arrangements.

GRUPO TRAGSA counts on an Innovation, Research and Development Unit in charge of the monitoring, management and technical support of the R&D projects carried out by the different units

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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of the company. It has a wide experience in the management of national and international cooperation projects. Within the European Framework Programme.

Expertise offered (related to the topic)

GRUPO TRAGSA is a benchmark as an integrated service provider for Administrations in project implementation. Our mission is to provide the Spanish Public Bodies with solutions to their needs, supported by innovative technologies and quality standards. The company has vast potential and experience for transferring knowledge and technical innovation to managers and final users, as well as to the international arena.

R&D projects developed by GRUPO TRAGSA are mainly focused on innovation and demonstration activities with the aim of transferring knowledge and innovative solutions from the research field to the final users. In this process, the company plays a key role by establishing strong links and building the necessary bridges between researchers and managers.

Previous FP experience

c@R: Collaboration at Rural (FP6, www.c-rural.eu)

FUME: Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world (FP7, www.fumeproject.eu)

SmartOpenData: Linked Open Data for environment protection in Smart Regions (FP7, www.smartopendata.eu)

Other EU funded projects: HABITATS (CIP, www.inspiredhabitats.eu), SATFOR (INTERREG IVB Sudoe, www.satfor.eu), FORRISK (INTERREG IVB Sudoe, <http://forrisk.efiatlantic.efi.int>), VELIF (LIFE-Environmental).

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CITOLIVA-TECHNOLOGICAL CENTRE FOR OLIVE FARMING AND OLIVE OIL

Technological Centre

*PROFILE from SPAIN
(15ES292)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

CITOLIVA is a non-profit foundation established to implement methodologies and systems dealing with technological requirements in the olive oil and table olive sectors.

Main activities are based on the following lines of R&D and innovation:

1. Health: improved olive oil quality and new healthy uses of olive oil or by-products. Relevant projects:

a) ASOAN-Biotechnological use of olive by-products from Andalusia aimed at food and agriculture sector

b) ATENA-Olive oil and other healthy fats. Technological applications for processing into value-added products

c) OLEA TEMPURA-Study of the behavior of olive oil in frying

2. Sustainability in farms and olive industries. Related projects:

a) OiLCA-Enhancing the competitiveness and reducing the carbon footprint of the olive oil sector through waste management optimisation and the establishment of an ecological label

b) AOFT NIR-Real time application of AOTF NIR technology in mills for the improvement of production control, quality control and traceability of olive oil

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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c) ACTIVEOLIVE-Preservation of highly perishable food products by active packaging with natural compounds from olive oil industry

d) OLEOSIG-Geographic information system for the traceability of olive oil

3. Competitiveness: markets and strategies for the olive sector. Examples of projects:

a) STRATEGO-Strategic marketing plans of olive sector

b) Management of the Spanish Olive Technology Platform (ALENTA) and the Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

Finally, CITOLIVA acts as an entity of transfer between science, industry and society in these three lines of action.

Expertise offered (related to the topic)

CITOLIVA has a deep understanding of the olive oil and table olive sector. Specific expertise in the topic is based in the following background and technological tools:

a. Market and innovation studies

b. Estudios for public administrations

c. Communication, dissemination and transfer of research results

d. Management and coordination of European projects

Previous FP experience

FP7-KBBE-2013-7-single-stage: TraFooN-Traditional Food Network to improve the transfer of knowledge for innovation. Grant Agreement nº: 613912

FP7-SME-2011-BSG: VERTIGEEN-Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. Grant Agreement nº: 286140

FP7-SME-2012-BSG: ENTOMATIC-Novel automatic and stand-alone integrated pest management tool for remote count and bio acoustic identification of the Olive Fly (*Bactrocera oleae*) in the field. In negotiation

FP7-KBBE-2013-7-single-stage: EUthentic -Harmonised solutions to Ensure food quality and aUTHENTICity: innovative tools to support European consumers, producers and policy-makers. Submitted

FP7-REGIONS-2012-2013-1: SYNELEA-Sustainable innovations and exploitation in agricultural residues' clusters. Submitted

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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FP7 FOOD UP-Evaluation of the determinants of nutrition and peripheral satiety signals in the brain.
Submitted

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode:

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Country: Spain

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



IDEALFOOD, AGROMEDITERRANEAN ALLIANCE

Technological Centre

*PROFILE from SPAIN
(15ES293)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

IDEALFOOD is a new framework where by the Andalusian Agrifood Technology Centers can pool their resources and capabilities, thus creating smart specialization and forming the most important technological partnership serving the Agrifood companies.

Our five Technological Centers are specialized in the most relevant areas of the Andalusian Agrifood sector:

- Fruit
- Horticulture
- Livestock
- Olive Oil
- Aquaculture

IDEALFOOD is made up of over 70 professionals specialized in the most important areas of knowledge for agribusinesses. They are capable of tuning an idea into a project quickly and efficiently, supported by our infrastructure and scientific-technical network.

Our facilities are located in the main areas for food production in Andalusia, making it possible to bring science and business ever closer, offering solutions that can be applied to real life business.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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We count on several semi-industrial pilot plants for the usage of industry for new products development and determination and improvement of processing parameters.

IDEALFOOD has a clear aim, to help make companies more competitive through Innovation and R&D. We perform the R&D and innovation projects under six strategic business units or subgroups:

Food Production: Efficient soil and soilless based crop management, new strategies for reducing of production costs and environmental impacts, pest and diseases control, new technologies for improving the productivity and resilience of agriculture, new disinfection technologies (ozone, oxygen ionized, UV).

Food Safety and quality: Food additives, residues (pesticides, veterinary drugs, hormones, etc.), and contaminants (mycotoxins, heavy metals) in food, authenticity studies in food, Advances analytical techniques in food studies (MS/MS, ICP-MS, etc.)

Food processing technologies and products development: Production of natural compounds (e.g. bioactives) from food products by using supercritical extraction technology, pasteurization, sterilisation, drying, freezing.

Food preservation and packaging: Modified atmosphere packaging, controlled atmosphere storage, control and monitoring of the food preservation along the whole food chain, improving shelf life, quality and safety of minimally processed food.

Nutritional and Functional Food: Biochemical analysis, food composition, formulation studies, properties of functional foods and evaluation in terms of healthy nutrition, bioactive compounds and phytochemicals, sensorial analysis.

Food Microbiology and Biotechnology: assurance of microbial safety of foods, food microorganism characterization and microbial analyses, molecular biology applications in foods, fermented food products.

IDEALFOOD prioritizes R&D activities for the benefit of our over 2500 customers and particularly, for our 235 associated members, through 1,352 major R&D projects and a large number of analysis, experimental trials and technology services. We have developed more than 200 training courses and we have supported the creation of 14 high-tech SMEs in our incubator.

Expertise offered (related to the topic)

IDEALFOOD has a clear main, to make companies, especially SMEs, more competitive through innovation and R&D activities.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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IDEALFOOD has prioritized scientific activities of technological knowledge generation and knowledge application development of R&D, for the benefit of the whole agrifood sector, and, particularly, for the 44 members who make up the association, belonging to different areas of the sector.

Since its inception, IDEALFOOD has led the implementation of more than 100 research projects. The center has organized more than 90 events (meetings, workshops, conferences, courses, etc.), has met the demand of 500 clients and has developed 60 technology transfer actions. It has also become part of several European consortiums for research projects.

AEVIA, Association of companies linked to the Andalusian food industry.

Spanish Olive Technology Platform (ALENTA)

Innovative Business Association of Good&Services Providers of Olive Sector (INOLEO)

GLOBAL NETWORKS AND CLUSTERS

Previous FP experience

Since our inception, we have participated in 15 international research projects. Nowadays, we are taking part in the following 7th Framework Programme projects:

- RESFOOD: Resource Efficient and Safe Food Production and Processing (FP7-ENV-2012).
- AGROBIOFILM. Development of biodegradable plastics for agricultural activities. (FP7-SME-2011).
- DIVERSIFY. Exploring the biological and socio-economic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry (FP7-KBBE-2013).
- VERTIGEEN. Inexpensive and reliable on-site solution for olive producers to contain verticillium wilt. (FP7-SME-2011).
- TRAFOON. Traditional Food Network to improve the transfer of knowledge for innovation. (FP7-KBBE-2013).
- FERTIPLUS. Reduction of the use of mineral fertilizers and agrochemicals recycling organic material. (FP7- KBBE-2011)

Role in the project

Research; Training; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Cristina Cabeza

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E-mail: cristina.cabeza@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK294)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Telephone: 4540309637

E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE295)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Insitute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and develepment projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The ILT.NRW - Insitute for Food Technology.NRW carries out projects and holds competences in innovative 2Gbioethanol pretreatment technologies as well as different lignocellulose biorefinery concepts containing the coupling of components as hydrothermal carbonization (HTC) and biogas.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The intstitute participates in a number of ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

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Country: Germany

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E-mail: ak@zenit.de

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "RURAL AND NATURAL RESOURCE ECONOMICS" (AGR210). CENTRO IFAPA CAMINO DE PURCHIL**

R&D Institution

*PROFILE from Spain
(15ES296)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

The AGR210 Group offers to the topic ISIB-3-2015, wise expertise in:

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Analysis of sociology of the adoption in agriculture and design of policy instruments to support social innovation in rural territory, generally, and marginalized and Less Favoured areas, particularly.
- Analysis of social innovation relates to the development of new forms of organisations and interactions between stakeholders to respond to societal challenges, new demands and concerns.
- Identification of new attitudes, values, behaviours and governance mechanisms in rural areas that favour sustainability.
- Analysis of models and factors that catalysts/constraints to social innovation.
- Identification and design of innovations product, process, marketing and organization to enhance quality, productivity, competitiveness and sustainability.
- Development of efficient methods for innovation.
- Identification and development of mechanisms and networks that stimulate the interaction and knowledge exchange in rural areas and favour social and professional networks.

Previous FP experience

The AGR210 Group has previous experience with the followings Projects International and Nationals:

- Integrating social sciences research into cotton reform implementation lined with the international outlook. FP6-2005-SSP-5-A Proposal 044085-ISSCRI2. European Comission. 2007-2009.
- Mountain.TRIP:Transforming research into practice. European Unión, Seventh Framework Programme. OEAW – Austrian Academy of Sciences (Innsbruck), Centre of Mountain Studies, (Perth); Jagiellonian University (Cracovia); Mountain Research Initiative (Bern), Ecologic (Berlin) y Euromontana (Bruselas) and IFAPA Centro Camino de Purchil (Granada). 2010 – 2012.
- The reconversion of traditional olive grove towards an integral cooperative model production: analysis of the perspective of farmers and society forms of implementation and its effects. CEICE. IFAPA, Universidad de Jaén, FAECA. 2014-2017.
- Design and analysis of new agri-environmental policy instruments for the adoption and diffusion of organic farming (INSPOLAE) (RTA2009-00024-00-00). INIA. 2009-2012.
- Innovation Economics and dynamic of agrofood olive grove system of Andalusian: Desarrollo de estrategias para su sostenibilidad y competitividad (ECOINNOLI). (RTA2008-00024-00-00). (ECOINNOLI)]. INIA. 2008-2011.
- Inventario de actividades de investigación y propuestas para acometer en el Plan de Desarrollo de Andalucía. Programa FEADER 2007-2013. 2008.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Metodologías de Análisis Económico del Uso de Agua en Agricultura: Problemas Institucionales y de Gestión. Proyecto de cooperación en materia de investigación agraria entre Andalucía-Marruecos Interreg III-A. (PCIAAM). 2003-2007.

- Optimización social del uso del territorio agrícola: el caso de la recuperación paisajística de zonas de olivar con riesgo de abandono. (ASPO) (RTA04-086). INIA. 2005-2008.

- Análisis de adopción de innovaciones tecnológicas e institucionales que favorecen la sustentabilidad ambiental y económica en los sistemas agrarios litorales del sureste español (fruticultura tropical y horticultura intensiva). Proyecto INIA SC99-061. 2000-2003.

Tesis Doctorales (últimos 5 años):

- Factores de resistencia a la marginalidad: estudio de casos en áreas desfavorecidas de Las Alpujarras (Sudeste español y Montiferru/Barigadu/Sinis (Italia).

"Il dinamismo al margini. Processi di sviluppo rurale in zone svantaggiate dell'europa Mediterranea: Le regioni storico geografiche del Montiferru e del Barigadu (Sardegna, Italia) e dell'Alpujarra Granadina (Andalucia Spgna). Doctorado en Cooperación Internacional y Políticas para el Desarrollo Sostenible. Universidad de Bolonia. Facultad Agraria de Bolonia (Departamento de Economía y Ingeniería Agraria) y la Facultad Agraria) de Pisa (Departamento de Agronomía y Gestión del Agroecosistema). 2009. Máxima calificación.

- Niveles de calidad y eficiencia en empresas hortofrutícolas y su impacto en las prácticas agrarias: Un análisis del sector hortofrutícola de Granada. 2008. Departamento de Economía, Sociología y Políticas Agrarias. Universidad de Córdoba. Universidad de Córdoba. Sobresaliente "Cum laude".

- Economía de la innovación y del cambio tecnológico en el sistema agroalimentario olivarero de Andalucía. Departamento de Economía, Sociología y Políticas Agrarias. Universidad de Córdoba. Universidad de Córdoba. 2014.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **UNIVERSITY OF TURIN, FOOD-EES RESEACH GROUP,**
R&D Institution
PROFILE from Italy
(15IT297)

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

Expertise offered (related to the topic)

Network analysis of social innovations in agro-food chain and in specific marginalised areas such as multi-actors networks, producers-consumer association, territorial alliance). Analysis of the effect of innovative governance mechanisms.

Previous FP experience

No previous experience in FP, at the moment only R&D projects at national level.

Role in the project

Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode: 10123

City: Torino

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Italy

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



ACCIÓN NATURA (FUNDACIÓN NATURA)

Other organization(consulting,association,...)

*PROFILE from Spain (Autonomous Community of Catalonia)
(15ES298)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

Acciónnatura is a pioneering non-profit Spanish NGO exclusively devoted to nature conservation through protection, improvement and restoration of natural ecosystems and biodiversity in the field, as well as through awareness raising and involvement of civil society. We offer our expertise in forest restoration & conservation, as well as on social involvement, ecotourism and entrepreneurship in Horizon 2020 projects and alike.

Our constructive approach has encouraged +190 businesses, 80 public institutions, and +95 other organizations to support our projects, seeking an economically and socially sustainable future that has to be based on the natural capital, both in terms of its impacts by our actions, as well as its potential to provide us with the necessary ecosystem services to secure a sustainable and fulfilling future on Earth.

Acciónnatura operates in a leading region in Europe in involving key stakeholders and end-users in relation to land and biodiversity management and conservation (land, forest and nature stewardship). We hold ongoing agreements with landowners and farmers throughout Catalonia. Through our European expertise and partnership with organisations alike we can extend our role to EU Member States.

Some relevant R&D projects are:

2012-to date: Selvans Old Growth Forest Network

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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2012-to date: CompensaNatura program (www.compensanatura.org).

2010-to date: Civic Engagement in Brown bear preservation in the Pyrenees

2009-14: Nature compensaton Steppe Habitat project at the Lleida-Alguaire Airport (Catalonia)

Expertise offered (related to the topic)

Acciónnatura has +15 years experience in rural dialogue for nature conservation & related rural development and social innovation initiatives on ecotourism, rural production, habitat management and social participation. We have extensive experience in different forms of public-private alliances/partnerships involving public institutions, business (CSR, sponsoring, investment), local authorities, and civil society groups. Our projects in Latin America give us background on working in complex rural environments where social innovation is a challenge. We can also offer our rural conservation & development field initiatives (in Catalonia, Spain and Latin America) as demonstrative case studies. Through our involvement in various rural networks in Catalonia, Spain and internationally we can be involved in participatory processes to identify best practices, and key policy strategies.

Previous FP experience

2011 - To date: "CompensaNatura", the land cover nature balance initiative: www.compensanatura.org. Projects in Ecuador, México & Spain.

2005 - 2010. Acciónnatura co-founder of CeroCO2 initiative for voluntary action against climate change: www.ceroco2.org. Emissions reporting, reduction and offset through energy and forestry projects in South America.

2009 - European Social Funds (ESF) Innovation Project on Nature stewardship and ecotourism in Catalonia (joint project with 7 partners)

2001 - To date: Restoration, Ecotourism and Sustainable development at the Lucre Wetlands - Huacarpay (Perú)

Since 1997 - +50 landowner & farmer agreements. Dialogue, training and knowledge exchange on nature management and conservation with local stakeholders: land & nature stewardship).

Role in the project

Training; Tech. Development; Demonstration; Other

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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Postcode: 8008

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AGENCIA DE GESTIÓN AGRARIA Y PESQUERA DE ANDALUCÍA (AGAPA)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES299)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

AGAPA is a public body ascribed to the Agriculture, Fisheries and Rural Development Andalusian public administration. It has the aim of developing projects of high technological level and technical specialization for the development of public policies related to agriculture, livestock, fisheries, agro-industry and rural development.

The main lines of work developed by AGAPA are:

- Consulting on issues related to agriculture, livestock, fisheries, food and rural development, including foresight studies, sectors and territorial characterizations, market studies, estimation of areas and agriculture production, designing of strategic plans, monitoring and evaluation of policies, plans and programmes, creation and development of price and market observatory, etc.
- Services in relation with knowledge management, elaboration and operation of models and information systems, electronic administration.
- Development and maintenance of specialized computer systems and geographic information systems for the identification of agricultural plots (SIGPAC) and applications for the processing and management of Public Administration (SIGGAN).
- Services associated to cartographic information such as technical management, production and quality control of photogrammetric products (orthoimage, elevation models, etc.), management and

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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provision of land information (geographic), providing of remote sensing (aerial photography and satellite images).

- Design and implementation of communication campaigns and promotional activities such as organization and management of fairs, conferences and exhibitions, publication of promotional materials and technical presentations aimed to specialized audience.
- Design and development of training programmes, development and dissemination of formative, informative or raising-awareness contents related to the food industry, fisheries and rural areas.
- Audits of certification bodies for quality and evaluation of public policies.
- Maintenance and management of agro-climatic stations.
- Development of plant health campaigns and action plans in relation with animal health and production.
- Management of sanitary control laboratories for fish and fish species identification.
- Fishing resources protection by means of the designing, construction, deployment and monitoring of artificial reefs.
- Projects of designing and construction of rural infrastructure such as irrigation, rural roads, and installation of alternative energy plants.
- Management, operation and improvement of agricultural farms. Experimentation and technology transfer of agricultural production systems.
- Other actions related to the agri-food and rural development in Andalusia.

Expertise offered (related to the topic)

AGAPA is responsible for monitoring and evaluating the plans and programs of rural and regional development, the implementation of projects to highlight the multifunctional role of agriculture (environmental conservation, diversification ...) and management of development aid rural. As far as the Andalusian reality is concerned, rural areas play a very important role in the region. Therefore, to meet the needs of these areas and help them face their problems, the Agency has a department for the development and diversification of said areas. The Rural Development Department is responsible for monitoring and evaluating plans and programmes for Rural and Territorial development, the implementation of projects to highlight the multifunctional role of agriculture (conservation of the environment, diversification...) and the management of the support for rural development.

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The Department for Rural Development is responsible for monitoring and evaluating plans and programmes for Rural and Territorial development, the implementation of projects that highlight the multifunctional role of agriculture (conservation of the environment, diversification...) and the management of the support for rural development.

The main activities developed are:

- Implementation of the "Shepherds school of Andalusia". Regional Ministry of agriculture, fisheries and environment of Andalusia.
- Execution of the project of the Spanish Rural Network entitled " Shepherds schools Network " 2011-2013. Technical assistance to the Local Action Group of the Altiplano de Granada with regard to training on the grazing extensive livestock production systems.
- Conservation and management in the Special Protection Areas for steppe birds. Code E/LIFE08NAT/000068. Activity managed by the Regional Ministry of Environment of Andalusia 2011-2013.
- Development and monitoring of 11 Area Plans of the Region of Andalusia. Sustainable Rural Development Programme 2010-2014. Spanish Law 45/2007 for the Sustainable Development of Rural Areas.
- Support to the management of the activities carried out by the Regional Ministry of Agriculture, Fisheries and Environment of Andalusia for the implementation of axis 4 of the EAFRD European Fund. LEADER approach and gender and youth mainstreaming in programmes and territorial rural development projects.
- Execution of the tasks corresponding to the monitoring of programming, evaluation and communication of the Rural Development Programme for Andalusia 2007-2013. Regional Ministry of economy, innovation and Science of Andalusia.
- Administrative checks of the management of Cooperation Joint Actions within the framework of the Rural Development Plan of Andalusia 2007-2011.

Previous FP experience

AGRIDEMA: Optimizing Management of Irrigation Water in the Mediterranean region in the context of climate change (6th FP); SUWANU: Sustainable water treatment and nutrient reuse (7th FP); RURALJOBS: New Sources of Employment to Promote the Wealth-Generating Capacity of Rural Communities (7th FP, in collaboration with the Regional Ministry of Agriculture, Fisheries and Rural Development of Andalusia); RURALAND: Rural Development Players (INTERREG IVC 2007-2013 Programme, in collaboration with the Regional Ministry of Agriculture, Fisheries and Rural

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 	<p style="text-align: center;">European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p style="text-align: center;">Sector Group Agrofood</p>	
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Development of Andalusia) HOMER. Harmonising Open data in the Mediterranean through better access and Reuse of Public sector information. (MED Programme); Prospective Analysis of Agricultural Systems (IPTS-JRC); New case studies on the co-existence of GM and non-GM crops in European agriculture (IPTS-JRC); Sustainable farming systems in the new Member States (IPTS-JRC);

Economics of food quality assurance and certification schemes (ETEPS for IPTS-JRC);

Inventory of certification schemes for agricultural products and foodstuffs marketed in the EU (Areté for DG-Agri);

None directly related with the selected topic

Role in the project

Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3. Edificio Iris 1.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ANDALUSIAN FEDERATION OF AGRICULTURAL COOPERATIVE (FAECA)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES300)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

1. Life+Biodehesa: the aim is to promote sustainable and integrated management of the meadows, through demonstration and dissemination of action plans that address the main challenges involved in its conservation.

Call: Life+

2. Biogas2PEM-FC: Energy rating of crop residues from the process of olive oil production using fuel cells.

Call: VII framework Programme-capacities.

3. Oilca: Improving competitiveness and reducing the carbon footprint of olive oil sector by optimizing waste management and the implementation of an eco-label.

Call: Interreg IVB SUDOE

4.Tesla: Transferring Energy Save Laid on Agroindustry:

The project will seek to enter in European cooperatives techniques and procedures that involve a genuine break with their current energy consumption, causing immediate real savings and a base of good practices and success stories quickly transferable to the whole sector.

Call: Intelligent Energy-

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5. Alenta: Olive Technology Platform: The Olive Technology Platform aims to promote R + D + i between the different actors in the science and business, by creating working groups that promote public-private future of R & D + i, sensitize and involve entrepreneurship, manage resources and set the bridges necessary to the development and application of knowledge generated, all in order to improve the competitiveness of Spanish olive sector.

Call: Innfluye

Expertise offered (related to the topic)

ISIB-3-2015: Shares examined improving rural areas are cooperatives. These actions include: improving agricultural holdings, improvement of cooperatives through new models of management or diversification of activities of cooperatives through new products or services.

development of measures to improve product quality through implementation and production systems respectful of the environment such as production or ecological production integrada. Así desarrollado himself is an R & D in order to implement climate change mitigation actions by direct seeding in field crops

Previous FP experience

1. Life+Biodehesa: the aim is to promote sustainable and integrated management of the meadows, through demonstration and dissemination of action plans that address the main challenges involved in its conservation. 2. Eco-agro-tourism, a form of diversification of farming

Role in the project

Training; Tech. Development; Management; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Postcode: 41092

City: Sevilla

Country: Spain

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE

Other organization(consulting,association,...)

*PROFILE from España
(15ES301)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

Expertise offered (related to the topic)

In 2009, our organization was recognized like "Social Innovation Spaces" (EsdI) by "Association of Information and Communication Technologies Spanish Business", as a result of our work on methodology "button-up". Thereby, we are working local development through social innovation,

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where people of our region are protagonists about searching solutions to our social, environmental and economic problems, improving quality of life and meeting real needs of our citizens.

Projects such as the achievement of the Protected Designation of Origin "Málaga Aloreña Olive" (only table olive on the world with this trademark), the traceability system in artisanal dairies, articulation of different economic and social sectors of our region in associations and forum: "Olives Aderezadores Association" (olives's farmers), "Guadalhorce Ecológico Association" (organic's farmers) or "cheeses's Andalusia Association" (cheesemarkers) have been some of the most relevant our work in the field of social innovation.

We offer our expertise in social innovation for rural and local development strategies for the implementation of the bottom-up methodology.

We look forward to sharing experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable rural development.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme.

National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES302)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)

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- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)
- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

The 80% of our farmers live in disfavored and mountain areas. In these areas, with a low population density, with very aged population (mean age 54 years) and a high degree of depopulation, our advisory work is especially important.

These farms are characterized by the low production capacity, low vocational training, advanced age of the owners, over-reliance on public subsidies, small lands and a poor ecological and environmental conscience.

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Address: A Cabana, s/n.

Postcode: 15590

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E-mail: galactea@cisgalicia.org

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 <small>Business Support on Your Doorstep</small>  <small>AGROFOOD</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <small>HORIZON 2020</small>
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Partnership Profile



UPSOCIAL ASSOCIATION

Other organization(consulting,association,...)

*PROFILE from Catalonia - Spain
(15ES303)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

UpSocial is a non-for-profit Association created in 2011. A team of social and environmental entrepreneurs created to promote innovation and to scale it up. We believe that social issues require sustainable solutions with a new approach maximizing efficiency and effectiveness. UpSocial manages and cultivates an extensive network of contacts in the Social Innovation context Worldwide: entrepreneurs, proven innovations, investors, institutions, etc.

What do we do?

- Identify innovations that are working successfully and facilitate its implementation (replication & scaling) in new contexts through the initiative Social Innovation for Communities.
- Advocacy work to promote changes in the legal, economic and education framework, to facilitate entrepreneurship and social innovation.
- Share knowledge and organise activities to promote the development of an atmosphere for social innovation and its public debate.

Relevant R&D projects:

- SIC - Social Innovation for Communities: implementation of proven social innovations for more efficient, effective and sustainable solutions to social challenges. 5 social challenges, +500 innovations analysed, 19 selected, 12 scaled. <http://www.upsocial.org/en/sic/home>

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- Development of Policy Proposals to boost Social Innovation. Participatory and institutional processes at the Spanish Parliament.
- Promotion and implementation in Spain of BCorp certification, a global movement which envision is to foster a new sector of the economy which is purpose-driven and harnesses the power of private enterprise that creates benefit for all stakeholders, not just shareholders.

Expertise offered (related to the topic)

UpSocial brings to this project topic its practical expertise on social and environmental innovation identification, replication and scale up, and extensive network of contacts in social and environmental innovation Worldwide. The Social Innovation for Communities methodology is a key tool to identify existing / potential social innovation in rural areas, both in Europe and Worldwide, create participatory advisory processes, and include in the project outputs readily identified & tracked social innovations to scale up across rural areas. Identification, analysis & development of advocacy challenges for rural social innovation is part of UpSocial expertise as well.

Previous FP experience

- Social Innovation for Communities is a worldwide project to identify proven social innovations managed from Barcelona's UpSocial Office.
- '- Up Social members manage & participate in projects across the globe (Puddle - California, BeHoney - poor countries, Sistema B - Chile, etc.).
- '- Coordination of different projects on innovation and environment, as well as capacity building, for environmental NGOs and others civil society institutions in Latin America and North African countries.
- '- Fostering of NGOs and social businesses networks and strategies on sustainable development and leadership about sustainable development, specially focused on rural development, conservation and sustainable fisheries.

Role in the project

Research; Training; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

Organisation name: Agència de Suport a l'Empresa Catalana

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AMIRAM PORATH CONSULTING

Other organization(consulting,association,...)

*PROFILE from Israel
(15IL368)*

TOPIC OF INTEREST

TOPIC

IISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

General - One of the major challenges faced today by national economies is the slowdown in the world commerce. Since 2008 the international slowdown in the world trade has created a significant economic problem for different countries and regions.

The changes in the last decades that has given advantages to knowledge based and innovative economies, has placed the hopes of economic growth on R&D active organizations and SMEs. That outlook combined with the current situation make it very difficult for traditional sectors and therefore for economies based on such sectors, to maintain their growth ration, and even to grow at all. These traditional sectors (e.g. natural food raw materials, Furniture, and Jewellery) are now required to innovate, but lack both the managerial capacity and the financial support.

At the same time pressure is being applied to research organizations for them to further their contacts in the community and to assist the growing economy by facilitating technology transfer and innovation transfer to the firms. APC currently consults the Chief Scientist of the ministry of Economic Development (formaly industry and trade) in SIrael, as well as companies seeking strategic development.

Expertise offered (related to the topic)

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The service APC proposes, is focused on assistance to the development of Innovation systems, promote R&D in different sectors, in a specific region by analysing the needs, developing a comprehensive system and training their existing management in innovation management, including for example facilitating Technology Transfer activities in cooperation with the research institutions to allow for improved competitiveness and to remove the barriers for future cooperation between the local partners, by creating a positive experience. This activity will help to create R&D capabilities in the companies involved, and to further encourage them to acquire and assimilate new technologies.

The expertise of Dr Porath, the CEO of APC is demonstrated in the following sections and can also be followed using his publications (see Amiram Porath on Amazon.com). A holistic approach to knowledge transfer, research collaboration to close the knowledge gap, as well as instruments to close the development gap - to the market are offered.

Previous FP experience

2011 – 2012 SBA Mapping project phase II – National Consultant

2010 – 2011 SBA Mapping project – National Consultant

2009 – 2010 METRIS Country Correspondent

2008 – 2009 ERAWATCH Country Correspondent

2006 – 2008 Administrative Coordinator of DNA devices – an FP6 project.

2002 – 2005 Administrative Coordinator of DNA as Nanowires – an FP5 project.

2001 – 2004 Country Coordinator of the European Jewellery Institute – a virtual centre under FP5 in Jewellery technology.

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

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City: Tel Aviv

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Israel

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



GRUPO TRAGSA

Large company

*PROFILE from Spain
(15ES304)*

TOPIC OF INTEREST

TOPIC

ISIB-3-2015: Unlocking the growth potential of rural areas through enhanced governance and social innovation

ORGANIZATION EXPERTISE

ENTITY PROFILE

GRUPO TRAGSA is a State owned Spanish company which provides the Spanish Ministry of the Environment, Rural and Marine Development with engineering and infrastructure services and management-related technical and administrative support. GRUPO TRAGSA is a leading company in the forestry and agricultural development segments of the Spanish technical assistance and engineering field.

TRAGSATEC is a company member of GRUPO TRAGSA. It is an engineering company mainly focused on providing the Spanish Public administration with technology services in all environmental and rural-related sectors (agriculture, fishery, rural-development, environment, etc.). TRAGSATEC is a highly specialised company that relies on its own technology to execute projects and provide technical assistance related to environmental management, improvement of rural areas, agrarian infrastructures ...

GRUPO TRAGSA has strong presence nationwide, with offices in 17 regions and 52 provinces, providing added value in terms of quick and effective implementation and execution of entrusted projects.

The international presence of GRUPO TRAGSA seeks the transfer of know-how, experience and technology in its chosen areas of expertise, with more than 120 projects in 35 countries in North Africa, Sub-Saharan Africa, Latin America and the Caribbean, Asia, Europe and the Middle East. This

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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international presence, which was mainly initiated through Spanish co-operation projects, has expanded

with input from experts and the successful winning of tenders in which GRUPO TRAGSA has participated, both individually and in consortium arrangements.

GRUPO TRAGSA counts on an Innovation, Research and Development Unit in charge of the monitoring, management and technical support of the R&D projects carried out by the different units of the company. It has a wide experience in the management of national and international cooperation projects. Within the European Framework Programme.

Expertise offered (related to the topic)

SSRI (Social Spaces for Research and Innovation) has become an important instrument for the emancipation and empowerment of the society, promoting new models of governance and relationships between society, national institutions and companies, democratizing the process for innovation.

Within an innovation EU funded project ("Social Validation of INSPIRE Annex III Data Structures in EU Habitats", HABITATS: CIP- ICT-PSP-2009-3-250455; www.inspiredhabitats.eu), GRUPO TRAGSA has adopted SSRI concept as local innovation ecosystems, working with stakeholders and acting as mechanisms for socio-technical innovation and change although we have focused on prototyping and social validation trials mainly. The pilots that have been launched and operated by HABITATS demonstrating that still work must be done to realize the promise of social empowerment & effective INSPIRE adoption everywhere. A main issue is to mobilize the local constituencies including the citizens, and create engagement of all. SSRI stresses the dimension of social innovation and local communities' engagement.

Previous FP experience

c@R: Collaboration at Rural (FP6, www.c-rural.eu)

FUME: Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world (FP7, www.fumeproject.eu)

SmartOpenData: Linked Open Data for environment protection in Smart Regions (FP7, www.smartopendata.eu)

Other EU funded projects: HABITATS (CIP, www.inspiredhabitats.eu), SATFOR (INTERREG IVB Sudoe, www.satfor.eu), FORRISK (INTERREG IVB Sudoe, <http://forrisk.efiatlantic.efi.int>), VELIF (LIFE-Environmental).

Role in the project

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Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GEOGRAPHICA

SME

*PROFILE from Spain
(15ES305)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

Geographica is a technology-based spin-off business from the University of Seville. It is specialized in advanced geospatial technology and personalized software solutions that integrates, analyze, and display data (for desktop, web and mobile). Our staff expert areas include:

- Physical and human geography
- Global Systems Science
- Geomatics, GIS and remote sensing
- Software and systems engineering and Technology Platform development
- Geographic database modeling, geographic modelization
- Geostatistical analysis, data and business intelligence
- Data flows integration and management, Data science
- Graphical and interactive design
- Geographic Big Data handling and processing

R&D Projects:

MedMIS: Information System for monitoring invasive species in Mediterranean Marine Protected Area. Development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean. This online tool contains a Species Guide based on the

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recent publication produced by IUCN (International Union for Conservation of Nature) in the context of the MedPAN North project, it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Territorial Control Center tools for decision making: development of a complete tool for geographical data management to assist corporate and government officers in critical decision making processes in the investment, management, security, and facilities fields. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, make hypothetical scenarios and comparisons of them, and perform evolutive studies.

Project: Mirador

Client: Province Governments of Burgos and Sevilla

URL: <http://mirador.dipusevilla.es/>

- From our beginnings as an enterprise we have had close ties with the University and research world. Each year we spend more and more time researching new solutions for earth and social scientists and geographers. As not just a development company, but one with a heterogeneous team of developers and thematic experts (environmentalists, geographers and other earth scientists), Geographica has always felt at home dealing with research institutions, because we share a common language and are more suited to understand their technical needs.

Scientific Modeling Tools Development: Geographic database modeling, data storage and exploitation, and analysis tool development for university and national scientific institutes research teams.

Project: Andalusian Coastal Subsystem geographic DB

Client: Physical Geography & Coastal Research Group, University of Seville

URL: results integrated in REDIAM Portal,

<http://www.juntadeandalucia.es/medioambiente/site/rediam>

Expertise offered (related to the topic)

Geographica would like to hereby express our greatest interest in collaborating in projects under the topic ISIB 4 - 2014/2015: Improved data and management models for sustainable forestry, based

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on improving the record of forest data, systems of monitoring and management models (cataloguing, cartography, monitoring, data harmonization).

We have participate in the international projet MedMIS, developing a solution for the International Union for the Conservation of Nature (IUCN) in the context of the MedPAN North project (URL: <http://www.iucn-medmis.org>).

For MedMIS project we have developed an online information system and a mobile application for monitoring invasive non-native species in Mediterranean Marine Protected Areas (MPAs).

It contains information on the pathways and impacts of major marine species that have invaded the Mediterranean Sea, their distribution on MPAs and how to monitor and identify them as well as what can be done to prevent their establishment and spread in the MPA's environment. it has functionalities such as Maps, Reports, Discussion, and Warnings.

It allows marine scientists or people interested in conservational issues to upload reports of sightings of invasive alien species and to take part in identification discussions.

We have also collaborate in an international projet which scope was very similar to those that this topic address, we have participate in a marine prospection mission of Cap des Trois Fourches (Morocco) for the developing a solution for the Regional Activity Centre for Specially Protected Areas (RAC/SPA) in the context of the MedPANnet project. For this project we have collected information on marine protected areas and gather data about marine communities of coastal funds using a remotely operated vehicle (ROV). Our role in the project was the data collection to make the required layers to create a map and information system of marine communities.

Because we have experience developing solutions for projects of this theme and because of our cross-cutting expertise we think we could fit in a large range of projects under this call, collaborating in projects of different themes. Our multidisciplinary skilled staff and expertise area are able to contribute to any project in this topic providing added value.

We are experts in Global and Information Systems Science: We manage a big deal of heterogeneous information and Big Data within an organization coming from different sources to put it to full use with innovative tools focused on maps, data, advanced statistics and indicators . This new information is of prime importance for citizens, NGOs, policy makers, etc. to assist in the decision making and policy processes.

Our approach to software development is not just centered on technology: we put on all our projects a great thematic and specialized knowledge. We develop software with the aim to get the greatest understanding of the data and a proper data analysis with it.

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We have experience in geospatial technologies applied to scientific research and computing projects. We provide technical-scientific assistance and training to projects, bringing into them advanced statistical analysis and geomatic developments. We have ample experience designing scientific proposals with universities and research centers.

We have experience contributing to European Project´s consortiums providing high-tech solutions.

Added value to any project: Collaborative technology platform for integrated project management

Geographica has deployed and customized tools for integrated project management for several european project consortia. Integration between tools like Content Management Systems, Document Management Systems, user´s forums, shared calendars and contacts, and project planning methodologies makes for a powerful environment for consortia and project management. It has already been applied in FP7 PEGASO Project.

For our developments we choose Open Source Software, as an Open Source company, it really appeal to us that Horizon 2020 framework intends all software developments under the programme to be open source and also to use open data for all the projects.

Previous FP experience

Expertise in International and European projects:

- IUCN - MedPAN: development of a Mobile App and Web Platform for Marine Invasive Species monitoring in Marine Protected Areas in the Mediterranean.

Project: MedMIS for IUCN

URL: <http://www.iucn-medmis.org>

- Collaborative Platforms and Corporate Identity Project design: We build easy to use collaborative webs, both public and intranets, aimed at project, knowledge, team, and document management. We also make the Corporate and project identity design, ranging from naming, branding, web site, instructions manuals, and casing design. PEGASO Project (FP7):

- Geomatics for European Projects: Assistance in EU Projects from FP7 in the geomatics area. Generation of nodal, multipartners SDI, with OGC services interfaces and compliant with INSPIRE and EuroGEOSS directives. MEDINA Project (FP7)

- Real-time meteorological data post-processing and storing: Our role is the Real-time meteorological data post-processing and storing, the Project Website development and project identity design. MARG Project (FP7)

Role in the project

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Research; Training; Tech. Development; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck, 3 Edificio Iris I

Postcode: 41092

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Country: Spain

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E-mail: jaime.duran@juntadeandalucia.es

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Partnership Profile



**GALICIAN INSTITUTE OF AGROBIOLOGICAL RESEARCH.
SPANISH NATIONAL RESEARCH COUNCIL. CSIC**

R&D Institution

*PROFILE from Spain
(15ES306)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

Our group, namely "Biotechnology of Woody Plants", belongs to the "Galician Institute of Agrobiological Research" (IIAG) of the Spanish National Research Council (CSIC). It is located in Santiago de Compostela (Northwest Spain).

We have large experience in the propagation and germplasm preservation of woody species as well in biochemical, cellular and molecular analysis of their developmental processes. Besides basic approaches studied through national and regional projects, applied biotechnological aspects have also been developed through collaboration with companies.

Related Projects:

- INTEGRACASTANEA: Vertical integration project on chestnut: from breeding to final products. FEDER-INNTERCONECTA 2013-2014.
- Characterization of chestnut genes involved in morphogenetic processes related to clonal propagation of selected trees. 10 MRU400033PR. 2010-2013.
- Large-scale biotechnological production of improved materials for chestnut breeding. 09MRU016E. 2009-2012.
- Biotechnology applied to forestry production. Somatic embryogenesis in mature materials of chestnut, oak and beech. Genetic transformation. 9MRU002400PR. 2009-2012.

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- Functional analysis of GRAS genes during adventitious rooting of forestry species. AGL2008-05105-C02-02. 2009-2011.
- Development of liquid culture systems for genetic transformation of embryogenic lines of *Quercus robur*. CSIC. PIE 200940I011. 2010.
- In vitro propagation of *Croton lechleri* Muell-Arg for sustainable management in Ecuador. A/013564/07. 2008-2009.
- Non-hormonal Compounds and Signalling Pathways for the Improvement of Adventitious Rooting in Forest Species. Integrated Action Italy-Spain. 2008-2009.
- Somatic embryogenesis in mature oak; basic aspects regarding its induction. Genetic transformation. AGL2006-01387. 2006-2009.
- Biotechnology applied to forestry production. Genetic transformation of chestnut, poplar and birch. AGL2005-00709. 2005-2008.
- Propagation and germplasm preservation of oak selected genotypes by somatic embryogenesis and cryopreservation. PGIDT03RF040001PR. 2003-2006.

Expertise offered (related to the topic)

1) Evaluation and preservation of forest biodiversity.

1.1) Evaluation of intraspecific genetic diversity by using DNA markers

1.2) Ex situ preservation of material of adult trees by

micropropagation (axillary shoots and embryogenic cultures);

medium-term storage by slow growth techniques and long-term

storage by establishment of cryopreserved gene banks of

selected genotypes.

2) Large-scale production of selected trees by micropropagation: establishment, proliferation in semisolid and liquid medium (bioreactors), rooting and acclimation.

3) Genetic expression in woody plants: genes related to plant development and defence mechanisms.

Previous FP experience

Proposal participation:

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- Comparative and functional forest genomics for abiotic stress, adaptation and productivity.
Collaborative Research Program Spain-Canada 2004

Actions COST:

Action 822: Development of integrated systems for large-scale propagation of elite plants using in vitro techniques. 1994-1999

Action G4: Multidisciplinary Chestnut Research. 1997-2001

Action 843: Quality Enhancement of Plant Production through Tissue Culture. 1999-2004

Action E-28: GENOSILVA: European Forest Genomics Network. 2002-2006

Action COST FP0905: Biosafety of Forest Transgenic Trees: Improving the Scientific Basis for Safe Tree Development and Implementation of EU Policy Directives. 2010-2014

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT307)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Expertise offered:

Extend and improve the already existing data, collecting new data on permanent and temporary plots established in mature and young stands mainly in chestnut and cork oak grown in different cultural systems and environmental conditions. We have installed same permanent plots and trials for Chestnut height forest and coppice, cork oak and mixed plantations. Other species may also be considered.

Climate change impacts on carbon balance and primary productivity as well as long-term changes in forest productivity.

Use management-oriented growth and yield functions to assess and model forest wood sustainability

Optimizing models for scheduling silvicultural operations

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Mensuration-based growth and yield models to incorporate into decision-support tools designed to find management practices.

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)

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- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

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Telephone: 00 351 22 616 7820

E-mail: eenetwork@adi.pt

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Partnership Profile



RESEARCH GROUP: "AGROECOSOST". CENTRO IFAPA CAMINO DE PURCHIL

R&D Institution

*PROFILE from Spain
(15ES308)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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IFAPA-AGROECOSOST team was built under the mission of the Evaluation and design of sustainable and competitive agro-ecosystems.

This team is formed by 10 researchers (doctors) and 5 technology-transfer specialists. Other members are 5 or 8 PhD students (with scholarships), 5 laboratory technicians, 14 people with other tasks, 3 field-workers and 10 workers in administrative tasks.

The IFAPA-AGROECOSOST team has wide experience in the management of forest system under global change scenarios. Specifically, they have addressed:

- Restoration and afforestation plans in Mediterranean and Tropical systems.
- Adaptative management of forests for wood production
- Management of forests to enhance biodiversity and ecosystem services
- Studies on carbon balances and soil regulation in forests and managing tools for their adaptation and mitigation to climate change
- Use of forest inventories and forest data to model and predict responses to global change scenarios
- Models of the landscape related to forest dynamics within global change scenarios (i.e. landscape connectivity, forest fragmentation, land use changes).
- Decision-making on long term ecological research (LTER) international and local networks on forest dynamics
- Study and management of agro-forestry systems (mainly "dehesas") under multidisciplinary and multi-actor approaches.

Previous FP experience

EU Projects (last 5 years):

1. Supporting the role of the Common Agricultural Policy in landscape valorization: Improving the knowledge base of the contribution of landscape management to the rural economy (CLAIMING) 2 Davide Viaggi 1.500.000 EU C: 2011-2014

2. Dehesa Ecosystems: Development of policies and tools for biodiversity conservation (Life Biodehesa).

Project location: Andalusia. http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dsppage&n_proj_id=4352 1 M. Pat. González Dugo 3,938,545.00 European

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Commission – SeventhFramework. LIFE + Biodiversity. Project reference: LIFE11 BIO/ES/000726
C:01 de Octubre 2012 hasta: 31 Marzo 2017

3. European regions fostering innovation for sustainable production and efficient use of woody biomass (ROCKWOOD).

http://cordis.europa.eu/search/index.cfm?fuseaction=proj.document&PJ_RCN=13434121. Project website: <http://www.rokwood.eu/>. 2 Mirk Hänel (TTZ, Germany) 1.970,507,36 €. Maximum ECfunding: 1,616,608 European Union FP7-Regions-2012-2013-1 (Transnational cooperation between regional researchdriven clusters), grant agreement nº 319956. C:1º de Diciembre 2012 hasta: 30 de Noviembre 2015

4. Mountain.TRIP:Transforming research into practice. Entidad financiadora: 2 Axel Borsdorf (Instituto IGF, Austria) (Coordinador) 428.214,84 Unión Europea, Séptimo Programa Marco C:2010 hasta: 2012

Other international projects (last 5 years):

1. Estudio de la diversidad de anfibios en un gradiente mediterráneo presaharaiano (Study of amphibian diversity in a pre-Saharan mediterranean gradient) 2 Slimani-, Tahar; JUAN FRANCISCO BELTRAN GALA 11.000 Secretaría de Estado de Cooperación Internacional, Ayudas para proyectos conjuntos de investigación Nombre del programa: OTROS PROGRAMAS DE LA AGENCIA ESPAÑOLA DEL COOPERACIÓN INTERNACIONAL (AECI) , MINISTERIO DE ASUNTOS EXTERIORES Y COOPERACIÓN A/016244/08 C:10/01/2009, 364 días

2. Estrategias vitales y conservación de Crotalus polystictus (Lance-headed rattlesnake) en el Estado de México. [Renovación] (Vital strategies and conservation of Crotalus polystictus -Lance-headed rattlesnake-) 2 Juan Manuel Pleguezuelos Gómez 30.000 AECID, Ministerio de Exteriores (Programa de Cooperación Interuniversitaria e Investigación Científica entre España e Iberoamérica; A/017116/08). C: 01/01/2009 a 31/12/2009

3. Conservación del bosque tropical en Panamá frente al cambio global: Evaluando la provisión de servicios-ambientales y su futuro (Conservation of the tropical forest in Panama in the scope of global change: evalutating the provision and future of environmental services) . Investigadora Principal 2 Carolina Puerta-Piñero 5000 Becas Iberoamérica Jóvenes Profesores e Investigadores. Fundación Santander. C: Junio 2013-mayo 2014

4. Establecimiento de parcelas de monitoreo de la biodiversidad en parques nacionales Omar Torrijos y Santa Fe. Panamá” (Establishment of monitoring parcels for biodiversity in Omar Torrijos and Santa Fe National Parks, Panama) 2 Oficina del corredor biológico Mesoamericano del atlántico

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panameño 320000 Plan de Ordenación Anual Minera Panamá S.A. República de Panamá. C: Enero-diciembre 2014

5. Evaluación de las consecuencias de la fragmentación del bosque y cambios de uso del territorio para el balance hídrico y conservación del bosque tropical de la cuenca del canal de Panamá” (Evaluation of the consequences of forest fragmentation and landuse change for water balance and conservation of the tropical forest in the Panama Channel basin). 1Carolina Puerta Piñero. 13000 Fundación Mapfre. C: Enero-diciembre 2014.

6. Elaboración del manual de monitoreo de biodiversidad en bosques tropicales” (Elaboration of a manual about biodiversity monitoring in tropical forests) 2 Richard S. Condit. 35000. Autoridad Nacional del Medio Ambiente. República de Panamá.C: Agosto -diciembre 2013.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "DINÁMICA FLUVIAL E HIDROLOGÍA" (TEP-248). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from SPAIN
(15ES309)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Cordoba, founded as such in 1972, has its roots in the Free University of the province of Cordoba in the late nineteenth century and has ancient studies such as Veterinary, unique in Andalusia. The dynamism of the UCO due to its youth and average dimensions - 21,000 students, 1,600 teachers and 700 employees - has helped to get to the twenty-first century as a high quality teaching and scientifically sound University. Since 2009, the University of Cordoba leads the Agrifood Campus of International Excellence (CeIA3), a project to modernize and internationalize the participating universities towards a sustainable production model based on knowledge.

Lecturers and researchers of the UCO, apart from lecturing among its more than 90 undergraduate and graduate degrees, lead about 200 research projects at international, national and regional levels of up to 28 millions of Euros. Similarly, there are 190 research groups whose average scientific output reached the 3,170 publications in the last three years.

The River Dynamics and Hydrology Group, works in the integrated management of watersheds and coastal areas and has certain experience in erosion studies. The Group has participated in 15 projects of public and private calls with a total of 74 publications in the last five years. A result of the researching activities is WiMMed, a free software distributed hydrological model for Mediterranean watersheds that includes the simulation of water flows and associated sediment and other substances fluxes. The Group collaborates with the Andalusian Water Agency in participation actions, training and transfer. Thus, the Group has been recently awarded with the Award for Knowledge Transfer of the UCO Social Council UCO in its third edition.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

The expertise offered by the Group involves the available tools for the evaluation of the soil water balance that conditions the dynamics of forestry ecosystems. Previous studies carried out by the Group have dealt with the relationship between the vigor of different vegetation covers and the soil moisture content at the forest scale.

Previous FP experience

The Group has participated in two previous projects of the FP: 1) Integrated Management of Mediterranean Watersheds of the BVM INTERREG III-B MEDOCC call and 2) Novel Integrated water management system for southern European regions (NOVIWAM) of the FP7 Regions of knowledge call.

Role in the project

Research; Training; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Country: Spain

Contact person: Leonor Camacho

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E-mail: leonor.camacho@juntadeandalucia.es

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



SUSTAINABLE FOREST MANAGEMENT UNIT (UFXS).
UNIVERSITY OF SANTIAGO DE COMPOSTELA

R&D Institution

PROFILE from Spain
(15ES310)

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

UFXS lines of work:

- Modelling of forest growth and productivity
- Forest management and silviculture
- Forest biomass, energy plantations and carbon fixation. Soil and forest nutrition
- Forest certification
- Multicriteria decision making and optimization
- Timber properties, analysis of wood structures
- Forest health
- Forest fires Research network of terrestrial ecosystems sustainable management (RIMSET)

R&D Projects:

-"Research network of terrestrial ecosystems sustainable management (RIMSET)"

(000000000092739) International European Fund European Union - Mexico

-"Sustainable management of forest: a European network of pilot zones for putting this into operational effect." (020 FORSEE). INTERREG IIIB Programme.

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- "Productivity and dynamic of organic matter in cloned plantations and seedlings of *Eucalyptus globulus* Labill. in North-western Spain. Subproject: growth and yield modelling of cloned plantations and seedlings of *Eucalyptus globulus* Labill. in North-western Spain" (AGL2010-22308-C02-01/FOR). VI Spanish National R&D&I Plan and co-funded by ERDF.

- "Dynamic growth models and carbon sequestration capacity of native broadleaved forests in northwest Spain. Subproject 1: Evolution models of native broadleaved forests in northwest Spain." (AGL2007-66739-CO2-01/FOR). V Spanish National R&D&I Plan and co-funded by ERDF.

- "Carbon sequestration in afforested agricultural land: stabilization of captured carbon by physical protection. Subproject: Study of carbon stabilization in afforested agricultural soils." (AGL2009-13400-C05-04/FOR). VI Spanish National R&D&I Plan and co-funded by ERDF.

- "Silvicultural treatments and tree-growth models in Atlantic pinewoods" (AGL2004-07976-C02-01). V Spanish National R&D&I Plan and co-funded by ERDF.

- "Growth and evolution of pine stands in Galicia" (AGL2001-3871-C02-01). IV Spanish National R&D&I Plan and co-funded by ERDF.

Expertise offered (related to the topic)

- Studies: taper equations yield tables, forest inventories, forest management plans, nutritional diagnosis and forest fertilization, evaluations of forest biomass and carbon capture, phytosanitary evaluations and pest control systems, reports on forest certification, etc.
- Development of software for inventories, forest management, etc.

Previous FP experience

"Elaboration of advanced-level models for density management of coniferous and broadleaved even-aged natural stands and plantations in Europe, EurSDMDPineBirchOak (PIEF-GA-2009-235039)". FP7, Marie Curie Intra-European Fellowships.

"An Innovative Approach to Integrated Wild Land Fire Management and Regulating The Wildfire Problem by The Wise Use of Fire: Solving the Fire Paradox (FP6-018505)". FP6.

"Improving and Advancing Co-ordination of Forest Research and Development in Europe, IMACFORD (QLK5-CT-2002-30221)". FP5.

Role in the project

Research

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

Postcode: 15590

City: Ferrol

Country: Spain

Contact person: Jana Vavrinová

Telephone: 34 981 337 146

E-mail: galactea@cisgalicia.org

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ACCIÓN NATURA (FUNDACIÓN NATURA)

Other organization(consulting,association,...)

*PROFILE from Spain (Autonomous Community of Catalonia)
(15ES311)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

Acciónnatura is a pioneering non-profit Spanish NGO exclusively devoted to nature conservation through protection, improvement and restoration of natural ecosystems and biodiversity in the field, as well as through awareness raising and involvement of civil society. We offer our expertise in forest restoration & conservation, as well as on social involvement, ecotourism and entrepreneurship in Horizon 2020 projects and alike.

Our constructive approach has encouraged +190 businesses, 80 public institutions, and +95 other organizations to support our projects, seeking an economically and socially sustainable future that has to be based on the natural capital, both in terms of its impacts by our actions, as well as its potential to provide us with the necessary ecosystem services to secure a sustainable and fulfilling future on Earth.

Acciónnatura operates in a leading region in Europe in involving key stakeholders and end-users in relation to land and biodiversity management and conservation (land, forest and nature stewardship). We hold ongoing agreements with landowners and farmers throughout Catalonia. Through our European expertise and partnership with organisations alike we can extend our role to EU Member States.

Some relevant R&D projects are:

2012-to date: Selvans Old Growth Forest Network

2012-to date: CompensaNatura program (www.compensanatura.org).

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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2010-to date: Civic Engagement in Brown bear preservation in the Pyrenees

2009-14: Nature compensaton Steppe Habitat project at the Lleida-Alguaire Airport (Catalonia)

Expertise offered (related to the topic)

Acciónatura has +15 years experience in rural dialogue for nature conservation & related rural development and social innovation initiatives on ecotourism, rural production, habitat management and social participation. We have extensive experience in different forms of public-private alliances/partnerships involving public institutions, business (CSR, sponsoring, investment), local authorities, and civil society groups. Our projects in Latin America give us background on working in complex rural environments where social innovation is a challenge. We can also offer our rural conservation & development field initiatives (in Catalonia, Spain and Latin America) as demonstrative case studies. Through our involvement in various rural networks in Catalonia, Spain and internationally we can be involved in participatory processes to identify best practices, and key policy strategies.

Previous FP experience

2011 - To date: "CompensaNatura", the land cover nature balance initiative: www.compensanatura.org. Projects in Ecuador, México & Spain.

2005 - 2010. Acciónatura co-founder of CeroCO2 initiative for voluntary action against climate change: www.ceroco2.org. Emissions reporting, reduction and offset through energy and forestry projects in South America.

2009 - European Social Funds (ESF) Innovation Project on Nature stewardship and ecotourism in Catalonia (joint project with 7 partners)

2001 - To date: Restoration, Ecotourism and Sustainable development at the Lucre Wetlands - Huacarpay (Perú)

Since 1997 - +50 landowner & farmer agreements. Dialogue, training and knowledge exchange on nature management and conservation with local stakeholders: land & nature stewardship).

Role in the project

Training; Tech. Development; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: EEN CATCIM

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agència de Suport a l'Empresa Catalana

Address: Passeig de Gràcia, 129

Postcode: 8008

City: Barcelona

Country: Spain

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



INGENIERIA ARZA S.L.

Other organization(consulting,association,...)

*PROFILE from SPAIN
(15ES312)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

Ingeniería Arza SL (ARZA), is the leader of a multidisciplinary group of private companies located in Lugo (Galicia), in the North-West of Spain. ARZA group is the bridge which saves the gap between rural local areas and the different administrations. We offer a "full service concept" carried out by skilled workers (veterinarians, economists, lawyers and agricultural engineers) which covers the main needs of a farm.

Our main activities are:

- Construction projects, viability studies and environmental impact studies related to farming and agribusiness (1,850 projects).
- Development of a pioneer system for counselling and comprehensive management of farms.
- Development of innovative production techniques in the bovine, poultry and pig sectors.
- Training of more than 2,850 farmers to improve their marketing skills.
- Give advice on creation and improvement of farms and livestock (More than 4,800 farmers advised and more than € 17 million of EU funding achieved).
- Incorporation of young people into farming activities (780 people incorporated. € 1.5 million of EU funding achieved)
- As a partner of the local government, management of EU agricultural grants (580 grants per year and more than € 6.5 million of EU funding achieved)

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Collaboration with the local government in the framework of a project (funded by the Structural Funds) that aims to support traditional farms in their transition process towards organic farming and help them with their marketing strategies.
- Long-lasting collaboration with the local government on a programme for giving advice on environmentally friendly practices (€ 9.15 million of EU funding achieved).
- Collaboration with the Spanish Ministry of Labour in the Strategy for Entrepreneurship and Youth Employment 2013/2016.

Expertise offered (related to the topic)

In our 20 years of professional experience we have contributed to the improvement and innovation of the agriculture sector under the concept of "multi-actor approach". This sector represents 13% of our regional economy. Our aim is to improve the connection between the research and productive sector to facilitate the transfer of knowledge in order to obtain practical and applicable results.

One of our potential is how we can work with a very heterogeneous group of clients: from the intensive farmers without land to other farmers who work in the mountain areas where agricultural employment represents over 60% of the population and there is a 96% of the land included in "Natura 2000" as a protected areas.

In the sustainable management of forests and woodlands, we are experts on the following lines:

- Realization of forest management plans, reforestation and maintenance of forest plantations.
- Advice to 450 farmers and foresters on the management of 7,800 hectares of forest áreas.

We have also patented a method of direct seeding reforestation with a container structure that it allows the sown directly into the soil where the tree will grow up.

The method relaxes the time of planting, and removes all underlying cultural tasks of caring for forest plants and the need of the forest nurseries. Also it allows that the trees grow up acclimated in the soil that they will live. This system was tasting successfully and now it is necessary to see how it is with other climatic conditions.

Previous FP experience

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration;

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Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

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Country: Spain

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



AMIRAM PORATH CONSULTING

Other organization(consulting,association,...)

*PROFILE from Israel
(15IL366)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

General - One of the major challenges faced today by national economies is the slowdown in the world commerce. Since 2008 the international slowdown in the world trade has created a significant economic problem for different countries and regions.

The changes in the last decades that has given advantages to knowledge based and innovative economies, has placed the hopes of economic growth on R&D active organizations and SMEs. That outlook combined with the current situation make it very difficult for traditional sectors and therefore for economies based on such sectors, to maintain their growth ration, and even to grow at all. These traditional sectors (e.g. natural food raw materials, Furniture, and Jewellery) are now required to innovate, but lack both the managerial capacity and the financial support.

At the same time pressure is being applied to research organizations for them to further their contacts in the community and to assist the growing economy by facilitating technology transfer and innovation transfer to the firms. APC currently consults the Chief Scientist of the ministry of Economic Development (formaly industry and trade) in SIrael, as well as companies seeking strategic development.

Expertise offered (related to the topic)

The service APC proposes, is focused on assistance to the development of Innovation systems, promote R&D in different sectors, in a specific region by analysing the needs, developing a comprehensive system and training their existing management in innovation management, including

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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for example facilitating Technology Transfer activities in cooperation with the research institutions to allow for improved competitiveness and to remove the barriers for future cooperation between the local partners, by creating a positive experience. This activity will help to create R&D capabilities in the companies involved, and to further encourage them to acquire and assimilate new technologies.

The expertise of Dr Porath, the CEO of APC is demonstrated in the following sections and can also be followed using his publications (see Amiram Porath on Amazon.com). A holistic approach to knowledge transfer, research collaboration to close the knowledge gap, as well as instruments to close the development gap - to the market are offered.

Previous FP experience

2011 – 2012 SBA Mapping project phase II – National Consultant

2010 – 2011 SBA Mapping project – National Consultant

2009 – 2010 METRIS Country Correspondent

2008 – 2009 ERAWATCH Country Correspondent

2006 – 2008 Administrative Coordinator of DNA devices – an FP6 project.

2002 – 2005 Administrative Coordinator of DNA as Nanowires – an FP5 project.

2001 – 2004 Country Coordinator of the European Jewellery Institute – a virtual centre under FP5 in Jewellery technology.

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Israel INNOV

Organisation name: MATIMOP

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Country: Israel

Contact person: Uri Fishelson

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



GRUPO TRAGSA

Large company

*PROFILE from Spain
(15ES313)*

TOPIC OF INTEREST

TOPIC

ISIB-4-2014/2015: Improved data and management models for sustainable forestry

ORGANIZATION EXPERTISE

ENTITY PROFILE

TRAGSA is the matrix company of GRUPO TRAGSA, a State owned Spanish company which provides the Spanish Ministry of the Environment, Rural and Marine Development with engineering and infrastructure services and management-related technical and administrative support. GRUPO TRAGSA is a leading company in the forestry and agricultural development segments of the Spanish technical assistance and engineering field.

GRUPO TRAGSA has strong presence nationwide, with offices in 17 regions and 52 provinces, providing added value in terms of quick and effective implementation and execution of entrusted projects.

The international presence of GRUPO TRAGSA seeks the transfer of know-how, experience and technology in its chosen areas of expertise, with more than 120 projects in 35 countries in North Africa, Sub-Saharan Africa, Latin America and the Caribbean, Asia, Europe and the Middle East. This international presence, which was mainly initiated through Spanish co-operation projects, has expanded

with input from experts and the successful winning of tenders in which GRUPO TRAGSA has participated, both individually and in consortium arrangements.

GRUPO TRAGSA counts on an Innovation, Research and Development Unit in charge of the monitoring, management and technical support of the R&D projects carried out by the different units of the company. It has a wide experience in the management of national and international cooperation projects. Within the European Framework Programme.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

As a company working for the Spanish Administrations, TRAGSA has a wide experience in sustainable forest management and forest monitoring, as the company is in charge of the silvicultural operations in very sensitive and protected areas (Natural and National Parks, Natural Reserves...).

The main lines of activity in this area are:

- Strategic planning of forest policy and forest management.
- Restoration projects and activities and improvement of forests.
- Forest inventories and maps.
- Reforestation, thinning, pruning and clearing.

Investment in R&D projects, as well as continuous training, allow obtaining an advanced knowledge and a continuous improvement of the management and monitoring techniques.

Previous FP experience

c@R: Collaboration at Rural (FP6, www.c-rural.eu)

FUME: Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world (FP7, www.fumeproject.eu)

SmartOpenData: Linked Open Data for environment protection in Smart Regions (FP7, www.smartopendata.eu)

Other EU funded projects: HABITATS (CIP, www.inspiredhabitats.eu), SATFOR (INTERREG IVB Sudoe, www.satfor.eu), FORRISK (INTERREG IVB Sudoe, <http://forrisk.efiatlantic.efi.int>), VELIF (LIFE-Environmental).

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: Galactea-Plus

Organisation name: CIS Galicia

Address: A Cabana, s/n.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK314)*

TOPIC OF INTEREST

TOPIC

ISIB-6-2015: Converting CO2 into chemicals

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

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Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



**RESEARCH GROUP "DEGRADATION OF TOXIC ORGANIC"
(BIO191)**

R&D Institution

*PROFILE from Spain
(15ES315)*

TOPIC OF INTEREST

TOPIC

ISIB-6-2015: Converting CO₂ into chemicals

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Estación Experimental del Zaidín of the CSIC is an agrobiological research institute conducting basic research in plant science, microbiology, and environmental protection. The various research programmes include the optimization of crop yield and resistance for a sustainable and environmentally friendly agriculture, the study of plant-microbe interactions and symbiotic systems, and the development of microbial bioremediation systems. The institute currently carries out numerous european, national, and regional research projects, among others: study of the molecular basis of stress response to reactive oxygen species in plant peroxisomes (BIO2012-36742), sugar signaling in plant carbon metabolism (BIO2012-33292), biotechnological relevance of Na⁺ and K⁺ transporters for improving salinity resistance and K⁺ nutrient efficiency in tomato (CVI-7558), involvement of cation/proton antiporters in potassium nutrition and osmotic and salinic stress (BIO2012-33655), storage proteins in olive tree seeds (CVI-7487), the PUMA3 regulatory system in *Pseudomonas putida aeruginosa* (FP7-PEOPLE-2011-CIG, 303813), signal transduction mechanisms for biofilm formation (CVI-7335), the role of chemotaxis of soil bacteria for root colonization (RNM-4509M), root-targeted strategies for minimizing abiotic stress in horticultural crops (PCOL-SMALL 289365), and the role of cyclic di-GMP in plant-microbe interactions (BIO2011-23032).

Expertise offered (related to the topic)

Dr. Basler studied computer science with biology as secondary subject at the Humboldt University of Berlin, and wrote his master's thesis at the Max-Planck-Institute of Molecular Plant Physiology (MPI-MP) in Potsdam. Within the thesis, he developed a database tool for integrating biological sample

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information from greenhouse plants with experimental data, and applied machine learning methods to the functional classification of compounds using mass spectra. He conducted his PhD in the Systems Biology and Mathematical Modeling group at the MPI-MP, where he developed a computational method for hypothesis testing and growth optimization using genome-scale metabolic networks. In 2013, he was awarded a Marie Curie Intra European Fellowship for an interdisciplinary project aiming at the identification of novel biotransformation pathways for the production of valuable chemicals. The project is highly interdisciplinary, as it is based on the integration of computational modeling with experimental approaches for genetic engineering. The main focus of the research of Dr. Basler is the computational discovery of genetic engineering strategies for chemical production in microorganisms and improving growth properties of crop plants, and their experimental application. His knowledge in computational methods is complemented by experimental techniques in genetic engineering.

Previous FP experience

Dr. Basler has obtained a Marie Curie Intra European Fellowship for Career Development (FP7-PEOPLE-2012-IEF 329682, project "PSEUDOMODEL"), 2013-2015.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C/ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "FOOD ENGINEERING AND TECHNOLOGY" (AGR203)**

R&D Institution

*PROFILE from Spain
(15ES316)*

TOPIC OF INTEREST

TOPIC

ISIB-6-2015: Converting CO2 into chemicals

ORGANIZATION EXPERTISE

ENTITY PROFILE

This research group has wide experience in the area of yeast fermentations and enzymatic processes.

Recently the group is dedicated to projects related with the bioethanol production from the agrofood industry wastes. In particular, we have been studying the efficiency of different pre-treatments for the enzymatic hydrolysis of residues and also the production of new enzymes for this hydrolysis.

Some of the recent research projects completed are the following:

- Enzymatic hydrolysis of lignocellulosic agricultural food wastes for biorefinery, using extracts obtained by solid state fermentation.
- Production of fungal pectinases from grape pomace in different types of bioreactor. Evaluation of its use in the clarification of musts and fruit juices.
- Scaling of a multifunctional industrial plant for supercritical extraction of agrifood raw materials.
- Use of lysozyme in the winemaking industrial process of biological aging for the control of microbial spoilage.

Expertise offered (related to the topic)

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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The group has experience in HPLC and HPLC-MS determination of sugars, polyphenols, amino acids and others. Also has experience in GC and GC-MS determination of alcohols and organic acids. Finally the group has also experience in SEM (Scanning Electron Microscopy) and EDS (Energy Dispersive Microanalysis).

The group has the possibility of develop and control multiple sets of experiments on submerged fermentation and solid state fermentation.

Previous FP experience

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

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City: Sevilla

Country: Spain

Contact person: Laura Valle

Telephone: +34 955007482

E-mail: laura.valle@juntadeandalucia.es

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "ENVIRONMENTAL ENGINEERING" (RNM033). UNIVERSITY PABLO DE OLAVIDE**

R&D Institution

*PROFILE from Seville
(15ES317)*

TOPIC OF INTEREST

TOPIC

ISIB-6-2015: Converting CO2 into chemicals

ORGANIZATION EXPERTISE

ENTITY PROFILE

General activity:

- 1- Biotechnology of Microalgae.
- 2- Industrial and urban wastewaters treatment.
- 3- Adsorption process.
- 5- Flocculation-sedimentation.
6. Membranes technology.

Relevant projects

- 1-Development of an integrated tertiary treatment system of urban wastewater and hydrocarbon production by *Botryococcus braunii* microalgae. Financing Agency: Ministry of Education and Science, Ref CTQ2004-07950/PPQ.
- 2- Tertiary wastewater treatment, carbon dioxide removal and production of biofuels. Financing Agency: Ministry of Education and Science, Ref: CTM2009-11613.
- 3- Application of advanced oxidation technologies for treating wash water and olive oil. FUNDING Agency: Excellence Project (Junta de Andalucia). Ref: AGR7092.
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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Measurement of emission levels of pollutants in ceramic industries. Regional Business Association, Bailen (Jaén).

Expertise offered (related to the topic)

The research group have more than 15 years of experience in the topic. Below are some published articles.

1-Use of industrial wastewater from olive-oil extraction for biomass production of *Scenedesmus obliquus*. *Bioresource Technology*, 99 (5), 1111-1117 (2008).

2- Daily doses of light in relation to the growth of *Scenedesmus obliquus* in diluted three phase olive-mill wastewater. *Journal of Chemical Technology & Biotechnology*, 84(10)/1550-1558 (2009).

3- Growth of the microalga *Botryococcus braunii* in secondarily treated sewage. *Desalination*, 246(1-3)/625-630 (2009).

4- Inhibitory effects of industrial olive-oil mill wastewater on biomass production of *Scenedesmus obliquus*. *Ecological Engineering*. 42/30-34 (2012).

5- Biomass production of *Scenedesmus obliquus* from mixtures of urban and olive-oil mill wastewaters used as culture medium. *Applied Energy*, 104/345-352 (2013).

Previous FP experience

Members of the research group have extensive experience in regional, national and European projects.

Role in the project

Research; Training; Tech. Development; Management; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C\ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Seville

Country: Spain

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Contact person: Leonor Camacho Cascajo

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "FOOD ENGINEERING AND TECHNOLOGY" (AGR203). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from Spain
(15ES318)*

TOPIC OF INTEREST

TOPIC

ISIB-6-2015: Converting CO2 into chemicals.

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research; Tech. Development;

Expertise offered (related to the topic)

This research group has wide experience in the area of yeast fermentations and enzymatic processes.

Recently the group is dedicated to projects related with the bioethanol production from the agrofood industry wastes. In particular, we have been studying the efficiency of different pre-treatments for the enzymatic hydrolysis of residues and also the production of new enzymes for this hydrolysis.

Some of the recent research projects completed are the following:

- Enzymatic hydrolysis of lignocellulosic agricultural food wastes for biorefinery, using extracts obtained by solid state fermentation.
- Production of fungal pectinases from grape pomace in different types of bioreactor. Evaluation of its use in the clarification of musts and fruit juices.
- Scaling of a multifunctional industrial plant for supercritical extraction of agrifood raw materials.
- Use of lysozyme in the winemaking industrial process of biological aging for the control of microbial spoilage.

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Previous FP experience

The group has experience in HPLC and HPLC-MS determination of sugars, polyphenols, amino acids and others. Also has experience in GC and GC-MS determination of alcohols and organic acids. Finally the group has also experience in SEM (Scanning Electron Microscopy) and EDS (Energy Dispersive Microanalysis).

The group has the possibility of develop and control multiple sets of experiments on submerged fermentation and solid state fermentation.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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City: Sevilla

Country: Spain

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ALPHAFILM & COMMUNICATION APS

SME

*PROFILE from Denmark
(15DK319)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy. B [2015] Monitoring and mitigation of agricultural and forestry greenhouse gases (GHG). C [2015] Sustainable livestock production. D [2015] Biomarkers for nutrition and health

ORGANIZATION EXPERTISE

ENTITY PROFILE

AlphaFilm & Communication was founded in 1998 as an alternative to the traditional communication agencies, and is specialized in communicating science-based material, making communication strategies for information-heavy projects, and distributing knowledge to the public by the use of broad media. The main goal is to deliver a clear, strong and understandable message through the best suitable communication platform, through various types of television broadcasts, high-end films, visual web solutions, radiobroadcasts, electronic press kits and written material. They work on all platforms, from hour long broadcast documentaries, to web based broadcast, and Apps for social media. All employees in the staff hold university degrees in science, humanities, communication or marketing, which is essential for the broad understanding of scientific processes and for the knowledge of distributing possibilities. This insight gives a unique ability to communicate complicated scientific material in a way that is understandable for the stakeholders – without compromising the scientific content. The company has mostly dealt with science, natural history, environmental issues, and anthropological stories, and has produced two information films for the European Commission and numerous films for national Ministries and private enterprises. The films have been shot and distributed in several countries.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Expertise offered (related to the topic)

AlphaFilm & Communication can be in charge of the development of the dissemination plans, both internal and external. The main focus will be identifying the major target groups in order to deliver the most efficient and widespread outreach. The scientific research and results of the project will be made available to the defined target groups and to the public through web solutions, high end film, teaching material for elementary school and college, and perhaps also tv-broadcast in different countries.

Previous FP experience

Involved in

FP6 - SOCIETY - project - Future Detectives - Co-production on European research and future studies targeted at young people. A consortium of film producers, experts in future studies and TV broadcasting organisations intending to co-produce a serial of TV-programmes targeting young people unfamiliar with science. The purpose of the TV-programmes was to create awareness of the impact of science on the society.

FP7 - Climate Change, Policy and Risks/Stability of the ThermoHaline Circulation/THC project THOR ("Thermohaline Overturning – at Risk?"). The project is to establish an operational system that will monitor and forecast the development of the North Atlantic THC on decadal time scales, and assess its stability, and the risk of a breakdown in a changing climate.

FP7 - Marie Curie/Initial Training Network (ITN) project GLANAM (Glaciated North Atlantic Margins). The project aims at improving the career prospects and development of young researchers in both the public and private sector within the field of earth science, focusing specifically on North Atlantic Glaciated Margins.

Role in the project

Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK-150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Denmark

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



CEIA3 AGRIFOOD CAMPUS OF INTERNATIONAL EXCELLENCE

R&D Institution

*PROFILE from Spain
(15ES324)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Private Partnerships in the Bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ceiA3, Agrifood Campus of International Excellence, is the largest Spanish center for research & specialized development. It is made up by the Universities of Almeria, Cadiz, Cordoba, Huelva and Jaen, and headed by the University of Cordoba, the National Scientific Research Council (CSIC), the Institute for Agricultural and Fisheries Development of Andalusia (IFAPA), and it has also achieved close cooperation with technology parks and a growing number of companies with innovative objectives.

The ceiA3 advances towards the future fully oriented to EU innovation policies based on the European H2020 strategy, on the EIP of Productive and Sustainable Agriculture, and also on the new challenges of the Common Agricultural Policy, whose strategy appears clearly defined towards the bioeconomy and sustainable agriculture.

Currently, ceiA3 has 285 research groups specialized in agriculture and the agrifood industry, with a human potential of over 4,000 people, divided into 16 thematic lines according to their affinity, from which 141 groups emerge with their own light, meeting excellence and scientific production criteria. They comprise 7 research clusters covering strategic areas of knowledge. Since 2009, the number of ceiA3 projects in International Research & Development Programmes totals 267, with a 237% increase in the last year.

We promote the achievement of agreements with private companies and participation in open calls for public institutions, both national (INIA, Andalusia, MECD, etc.) and European (FP7, Horizon 2020,

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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etc.), through which we aspire to ensure the future viability of this project, making it possible to continue our work without necessarily depending on funding through the CEI program calls.

These main lines of research and activity are:

- Biodiversity and the Environment
- Bioenergy
- Integrative Biology
- Food Quality and Safety
- Sustainable Territorial, Rural y Tourism Development
- Agricultural Economics, Policy and Law
- Soil Erosion, Conservation and Fertility
- Rural and Agrifood Engineering
- Plant Breeding and Health
- Animal Breeding and Health
- Nutrition and Health
- Chemistry and Agrifoods
- Water Resources
- Food Technology and Oenology
- Agricultural and Environmental Technologies
- Information Technologies and Biocomputing

Expertise offered (related to the topic)

University excellence requires, on one hand, the attraction and consolidation of talent and, on the other, collaboration with generators of knowledge that complement the university's training and research. For this purpose we are continually working towards the development of bilateral cooperation with international institutions in the Agrifood sector. For years we have collaborated, in teaching and research, with universities of excellence in Agribusiness, like those of California-Davis (U.S.), Concepción (Chile), Técnica de Lisboa (Portugal), Montpellier 2 (France), Wageningen (Netherlands), among others. Likewise, we are finalizing agreements such as possible exchanges between professors, establishing scholarships, or postgraduate programs and other opportunities for

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collaboration, between the Inter-American Institute for Cooperation on Agriculture (IICA) and the ceiA3.

Agreements were also established with the INNOVAGRO Network in Latin America, with institutions for the development of the agrifood sector, with active participation in forums and definition of future strategies for collaboration. We have established projects involving not only participation in platforms linked to the agrifood sector, such as Food for Life, sustainable agriculture or Triptolemos platform, but also collaboration agreements with multiple major institutions, such as the Spanish Ministry of Agriculture, or Agropolis. Also, agreements with the Ministry of Agriculture and Environment of the Junta de Andalucía (Andalusian Government), the CIBERObn Institute, the FAO of the United Nations, the Spanish Agency for the Defense of the Competence and Parque Sur Uruguay, among others.

We partner with national companies, and different types of institutions (national and regional government institutions, Rural Development Groups, or D.O's, for example) seeking collaboration and knowledge transfer, but also the creation of university-industry synergies that allow us to look to Europe for the capture of funds, to encourage business development through research, enabling us to meet the sector's challenges.

As an example of our potential, a brief description of our Partnerships with Andalusian Rural Development Groups (RDGs) in the field of food and agriculture:

In light of the ceiA3's vocation to establish alliances with its environment, and its social commitment to this environment, it has established an agreement with Rural Development groups (RDG) of the autonomous community of Andalusia, for collaboration in the field of food and agriculture.

The importance of these agreements is based on the proximity of the RDG's to the agrifood research groups of the Andalusian regions, who capture and transfer the concrete needs of the sector, and those to which ceiA3 offers solutions directly, within the measure of its possibilities.

The RDGs linked to ceiA3 will encourage, on the one hand, the arrival and dissemination of knowledge and results, and on the other, will be a communication channel created for this purpose, to allow the demands and needs of employers and sectors to reach the University, especially those of small and medium companies. The Rural Development Group thus becomes a ceiA3 communication element, primarily for its proximity to companies and sectors and their perspective on the development of the territory. During the year 2013, we intensified custom contacts between ceiA3 technical staff and the RDG directors, to pursue joint projects.

Previous FP experience

With the RDG Campiña Sur Cordobesa (Montilla, Cordoba):

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- Project for enhanced use of Aloe Vera
- Functional design of A3openlink Platform (application stage)
- Waste management in table-olive dressing industry (application stage)

With the GDR for the Development of Guadajoz y Campiña Este de Córdoba (Adegua):

- Analytical platforms in metabolomics / proteomics and use of agri-food waste (pending approval)
- Truffle in the olive grove (pending approval)
- Improving the quality of olive oil by a biological method of controlling the olive fly (in progress).

With the Junta de Andalucía, Agency for Protection of Competition:

- "DEVELOPMENT OF A DATABASE QUALITY AGRIFOOD PRODUCTS" (34/2012) (in progress).

OTHER PROJECTS RELATED TO BIOECONOMY: please note these are EXAMPLES, as the complete list includes 267+ ceiA3 international projects since 2009

Assessing the multiple impacts of the Common Agricultural Policies (CAP) on Rural Economics FP7-SSH-2007-1 Grant Agreement Preparation Forms (UE) CAP-IRE FPVII. Duration, 2007- 2010 Resp. Julio Berbel Vecino AGR-110

- Robot fleets for highly effective agriculture and forestry management" RHEA.: FP7-NMP-2009-LARGE-3, (NMP: Nanosciences, Nanotechnologies, Materials and New Production Technologies), FP7-245986 Duration 2010-2014 Resp Francisca López-Granados AGR-124

- Cost Action "Feed For Health" (Fa0802). FP7-UE Duration 2008-2012 Representante COST (España), Ana Garrido Varo AGR-128

- Food and feed Laboratory of Varied and Outstanding Research in Estonia (FLAVOURE). FP7-UE "Research Potential" FP7-REGPOT-2008-1. Spanish National Research Council (CSIC). Duration 2009-2011 AGR-136

- Legume-supported cropping systems for Europe" (FP7-KBBE-2009-3 Legume Futures). VII FP-UE AGR-140

- EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. FP7-UE AGR-236

- Agricultura Sostenible en la Aritmética del Carbono (LIFE08 ENV/E/000129-AGRICARBON). FP7-UE Duration 2010 - 2014 Resp. Rafaela Ordóñez Fernández. AGR-244

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Genomics-Based Investigations in Orobanchae-Host Interactions FP7-PEOPLE-2009-IOF Project number 252538, Marie Curie Actions—International Outgoing Fellowships (IOF), Participantes: CSIC & Vtech (USA) Duration 2010-2013 Coord. Diego Rubiales AGR-253
- Signalling circuitry controlling fungal virulence: identification and characterization of conserved and specific fungal virulence genes as common antifungal targets (ARIADNE) FP7-PEOPLE-ITN-237936 (Marie Curie Initial Training Networks) Duration 2009-2013 Resp. A. Di Pietro BIO-138
- SUSTOIL FP7-213637.-Developing Advanced Biorrefinery Schemes For Integration Into Existing Oil. Production/Transesterification Plants. Resp. Diego Luna Martínez FQM-162
- European Phosphorus Sciences Network (PhosSciNet). Acción COST CM0802 FP7-UE Resp. Antonio Manuel Romerosa Nievas. Duration: 2008 - 2013 FQM-317
- Mechanisms Underlying Coping Strategies and Welfare In Farmed Salmon, Sea Bass and Sea Bream. FP7-KBBE. Duration 2010-2014 Resp. José Antonio Muñoz Cueto RNM-216
- Meeting the challenges of the farm of tomorrow by integrating farm management information systems to support real-time management decisions and compliance to standards - futurefarm FP7-KBBE-2007 Resp. Jose Luis Guzmán Sánchez. TEP -197
- EADGENE. European Animal Disease Genomics Research Group for Animal Health and Food Safety. FP7 KBBE.2010.4-01. Duration, 2011 -2013 Resp. Juan José Garrido Pavón AGR-231
- Sustainable Organic and Low-input Dairying (SOLID). Proyecto Europeo FP7-KBB2-2010-4-266267 (FP7) Duration, 2011-2016 Resp. Nigel Scollan AGR-171
- Technological platform to develop nutritional additives to reduce methane emissions from ruminants. FP7-SME-2010-1-262270 (FP7) Duration, 2010-2012 Resp. David R. Yáñez Ruiz AGR-171

Role in the project

Research; Training; Tech. Development; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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Postcode: 41092

City: Sevilla

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Country: Spain

Contact person: Cristina Cabeza

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile

 **RESEARCH GROUP: "AGROECOSOST". CENTRO IFAPA CAMINO DE PURCHIL**

R&D Institution

*PROFILE from Spain
(15ES325)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafoodproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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IFAPA-AGROECOSOST team was built under the mission of the Evaluation and design of sustainable and competitive agro-ecosystems.

Among the main research expertise of the AGROECOSOST lab are:

- Environmental impact of agriculture and livestock plans and programs
- Study of the multifunctionality uses within rural areas
- Compatible uses and sustainable development in Protected Areas
- Adaptation to agriculture policies

This team is formed by 10 researchers (doctors) and 5 technology-transfer specialists. Other members are 5 or 8 PhD students (with scholarships), 5 laboratory technicians, 14 people with other tasks, 3 field-workers and 10 workers in administrative tasks.

In relation to the topic "ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy" our expertise is specially related to the Issue B. [2015] Rural development, but also to the following ones:

1. E. [2015] Sustainable livestock production.
2. C. [2015] Monitoring and mitigation of agricultural and forestry greenhouse gases (GHG).

Previous FP experience

EU Projects (last 5 years):

1. Supporting the role of the Common Agricultural Policy in landscape valorization: Improving the knowledge base of the contribution of landscape management to the rural economy (CLAIMING) 2 Davide Viaggi 1.500.000 EU C: 2011-2014

2. Dehesa Ecosystems: Development of policies and tools for biodiversity conservation (Life Biodehesa). Project location:

Andalusia. [http://ec.europa.eu/environment/life/project/Projects/index.cfm?](http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dsppage&n_proj_id=4352)

1 M. Pat. González Dugo 3,938,545.00 European Commission – Seventh Framework. LIFE + Biodiversity. Project reference: LIFE11 BIO/ES/000726 C:01 de Octubre 2012 hasta: 31 Marzo 2017

3. European regions fostering innovation for sustainable production and efficient use of woody biomass (ROCKWOOD).

http://cordis.europa.eu/search/index.cfm?fuseaction=proj.document&PJ_RCN=13434121. Project

website: <http://www.rokwood.eu/>. 2 Mirk Hänel (TTZ, Germany) 1.970,507,36 €. Maximum EC funding: 1,616,608 European Union FP7-Regions-2012-2013-1 (Transnational cooperation

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between regional researchdriven clusters), grant agreement nº 319956. C:1º de Diciembre 2012 hasta: 30 de Noviembre 2015

4. Mountain.TRIP:Transforming research into practice. Entidad financiadora: 2 Axel Borsdorf (Instituto IGF, Austria) (Coordinador) 428.214,84 Unión Europea, Séptimo Programa Marco C:2010 hasta: 2012

Other international projects (last 5 years):

1. Estudio de la diversidad de anfibios en un gradiente mediterráneo presaharaiano (Study of amphibian diversity in a pre-Saharan mediterranean gradient) 2 Slimani-, Tahar; JUAN FRANCISCO BELTRAN GALA 11.000 Secretaría de Estado de Cooperación Internacional, Ayudas para proyectos conjuntos de investigación Nombre del programa: OTROS PROGRAMAS DE LA AGENCIA ESPAÑOLA DEL COOPERACIÓN INTERNACIONAL (AECI) , MINISTERIO DE ASUNTOS EXTERIORES Y COOPERACIÓN A/016244/08 C:10/01/2009, 364 días

2. Estrategias vitales y conservación de Crotalus polystictus (Lance-headed rattlesnake) en el Estado de México. [Renovación] (Vital strategies and conservation of Crotalus polystictus -Lance-headed rattlesnake-) 2 Juan Manuel Pleguezuelos Gómez 30.000 AECID, Ministerio de Exteriores (Programa de Cooperación Interuniversitaria e Investigación Científica entre España e Iberoamérica; A/017116/08). C: 01/01/2009 a 31/12/2009

3. Conservación del bosque tropical en Panamá frente al cambio global: Evaluando la provisión de servicios-ambientales y su futuro (Conservation of the tropical forest in Panama in the scope of global change: evalutating the provision and future of environmental services) . Investigadora Principal 2 Carolina Puerta-Piñero 5000 Becas Iberoamérica Jóvenes Profesores e Investigadores. Fundación Santander. C: Junio 2013-mayo 2014

4. Establecimiento de parcelas de monitoreo de la biodiversidad en parques nacionales Omar Torrijos y Santa Fe. Panamá” (Establishment of monitoring parcels for biodiversity in Omar Torrijos and Santa Fe National Parks, Panama) 2 Oficina del corredor biológico Mesoamericano del atlántico panameño 320000 Plan de Ordenación Anual Minera Panamá S.A. República de Panamá. C: Enero-diciembre 2014

5. Evaluación de las consecuencias de la fragmentación del bosque y cambios de uso del territorio para el balance hídrico y conservación del bosque tropical de la cuenca del canal de Panamá” (Evaluation of the consequences of forest fragmentation and landuse change for water balance and conservation of the tropical forest in the Panama Channel basin). 1Carolina Puerta Piñero. 13000 Fundación Mapfre. C: Enero-diciembre 2014.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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6. Elaboración del manual de monitoreo de biodiversidad en bosques tropicales” (Elaboration of a manual about biodiversity monitoring in tropical forests) 2 Richard S. Condit. 35000. Autoridad Nacional del Medio Ambiente. República de Panamá.C: Agosto -diciembre 2013.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

Address: C/ Max Planck, 3. Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Laura Valle

Telephone: +34 955007482

E-mail: laura.valle@juntadeandalucia.es

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "CONSERVATION AND SUSTAINABLE USE OF SOIL, WATER AND BIODIVERSITY IN AGRICULTURAL SYSTEMS" (AGR144). CENTRO IFAPA LAS TORRES-TOMEJIL.

R&D Institution

*PROFILE from Spain
(15ES327)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

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IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOQUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

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AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in Landscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers 'Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

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Expertise offered (related to the topic)

Issue D. [2015] Sustainable crop production

The Conservation and Sustainable Use of Soil, Water & Biodiversity in Agricultural Systems CUSABA (AGR-144) Group deals with land- and water-management interventions in Mediterranean agroforestry systems, with the aim of preventing, reducing or recovering losses of soil, water, and biodiversity.

In terms of knowledge and research, the focus is on sustainable land management, specifically: land-degradation processes; conservation measures and interventions at both field and watershed scale; and the harmony of sustainable management practices that encourage productivity, climate-change mitigation, soil quality as well as health, and woody biomass as biofuel. We seek to fill gaps in understanding the functioning of agroforestry systems through the study of the relations between biotic and abiotic ecosystem variables (e.g. plant and nematode community structure, soil quality for environmental health).

In addition, the members of CUSABA are involved in research for predicting the hydrological response of soil to a rainfall event at a square meter-centimeter scale, taking special focusing on the spatial configuration of soil roughness, improving the prediction of overland flow propagation by quantitative expressions of hydrological connectivity based on topography.

The Group has more than 80 erosion plots with different sizes distributed in different land-use types (olive, almond, vineyard, medicinal & aromatic plants, cereals, pine forest, pasture, shrubs, etc.) in hillslopes as well as in orchard terraces.

On the other hand, the CUSABA Group deals with renewable energy sources such as the performance the woody biomass under short-rotation systems, in different locations in Andalusia.

The group has more than 75 research papers in SCI journals, 60 papers in other technical journals, 12 books, and 13 book chapters. Today the Group is involved in five national and regional research projects in Spain.

The CUSABA approach associates physical features and strategic interventions, based on analysis of traditional land management, transformation, and adaptation, as well as promoting practical measures with strategies for attaining sustainable impact on agroforestry systems. The conservation practices of natural resources should provide farmers with the necessary skills for sustainable regulation of the cycles of carbon, water, and nutrients. Specifically in arid and semi-arid regions, the desertification process progressively drives farmers to abandon agricultural lands, thereby worsening climate change. In this type of scenario, it is crucial adapt to change and maintain productivity.

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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CUSABA Group strives to develop solutions for land-degradation problems: optimization of current and future land use through conservation of natural resources, enhancement of environmental quality, highlighting the capital importance of sustainable agriculture not only to safeguard biodiversity, but also to foster human well-being.

Previous FP experience

The previous participation of CUSABA Group in EU programmes includes:

1) FP5 "The Future of Olive Plantations Systems on Sloping and Mountainous Land. Scenarios for Productions and Natural Resources Conservation, OLIVERO", QLK5-CT-2002-01841" (2003-2005).

2) FP7 "European Regions Fostering Innovation for Sustainable Production and Efficient Use of Woody Biomass, ROKWOOD", FP7-REGIONS-2012-2013-1, Grant Agreement N°319956 (2013-2015).

Other:

1) Aromatic and Medicinal Plants for erosion control in arid and semiarid environments. PCIAAM AI22010303. INTERREG III. EU (2003).

2) Border Campus for Sustainable Water Resources management. Border Cooperation Affairs Program, Spain-European-Union-FEDER (POCTEFEX 0072, CAMPUSEAGUA 2E) (2012-2013).

National projects:

1) Soil management in high sloping lands with rainfed olive groves. Effect on the transport of solids and runoff: Technical and economic evaluation (CAO 00-019-C5-1) (2000-2005).

2) Assessing the erosion in micro-basins with olive plantations: Protective effect of different soil management (CAO-01-0001-C4.02) (2001-2006).

3) Environmental study of nut trees cultivation in mountain areas under Mediterranean climate: almond and walnut (PIA-03-001) (2003-2005).

4) Protective and regenerative potential of aromatic and medicinal species in Granada and Almeria (SE Spain) for improvement the soil quality: Essential medical and advocacy interest in the environment of the use of these species (RTA04-012) (2005-2008).

5) Environmental impact of subtropical species cultivation in areas with steep slopes: Integrated actions for sustainable cultivation. (RTA2005-00008-00-00) (2006-2008).

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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6) Response of soil erosion and runoff to plant strips in high sloping lands (TRT2006-00007-C04-00) (2006-2008).

7) hydrological and erosive processes and assessment of biomass and organic carbon sequestration under different land uses in the agricultural watershed "El Salado", Lanjaron (SE Spain) (RTA2007-00008-00-00) (2007-2010).

8) Characterization of soil properties and hydrological patterns at multiple scales in agricultural watersheds using shallow geophysical methods (AGL2009-12936-C03-03) (2010-2012).

9) Techniques of conservation agriculture in rainfed tree crops and Mediterranean climate: implications for sustainable productivity, erosion control, maintenance of soil biodiversity and soil quality (RTA2011-00007-00-00) (2012-2015).

10) Agronomic and economic evaluation of energy crops in Andalusia (S Spain) (CAICEM-11-89) (2012-2013).

11) Evaluation and improvement of conservation management evaluation and improvement of conservation management in intensive olive plantations using tools probabilistic hidrogeophysis and ecohydrological models (AGL2012-40128-C03-03) (2012-2015).

12) Assessment of agro-environmental systems conventional, integrated, organic and conservation olive mountain: impact on erosion, quality soil and the commercial value of olive oil (AGR-7431) (2014-2016).

Ph.D. Dissertations:

1) Induced salinity induced in crops on steep slopes and control erosion and runoff: specific case of mango (*Mangifera indica* L.) (2001, University of Almería).

2) Assessing agronomic productivity losses from erosion in crops under Mediterranean climate (2004, University of Córdoba).

3) *Salvia lavandulaefolia* Vahl. *Ssp oxyodon*: evaluation of essential oil and its impact on the environment as harvesting intensities (2005, University of Granada).

4) Environmental impact of subtropical species growing in areas with steep slopes in the coast of Granada: sustainable corrective measures (2009, University of Granada).

5) Deficit irrigation for sustainable citrus cultivation in the Guadalquivir Valley (2010, University of Sevilla).

6) Assessing biomass from short-rotation woody crops as a sustainable energy resource in Andalusia: Opportunities and Challenges (2013, International University Menéndez Pelayo).

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Role in the project

Research; ; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

Address: C/Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Laura Valle

Telephone: +34 955007482

E-mail: laura.valle@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "CONSERVATION OF AGRICULTURAL ECOSYSTEMS" (AGR244). CENTRO IFAPA ALAMEDA DEL OBISPO

R&D Institution

*PROFILE from Spain
(15ES329)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
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IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

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- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

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SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

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ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINNET, LUSH PROTEINS, OLEOVERITAS

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Expertise offered (related to the topic)

The PAIDI group 244 "Agrarian Ecosystems Sustainability" is a multidisciplinary group formed by researchers and technicians with wide experience in improving the management and sustainable production of crops, both herbaceous and woody, from different disciplines.

Lines of research and technological development performed within the group are:

- 1,- Soil conservation and management, especially in agricultural conservation techniques, such as no tillage, minimum tillage and cover crops management focused on erosion control.
- 2,- Selection and management cover crop species to different cropping systems (olive and rainfed herbaceous crop) and use (biofumigation to weed and disease control, fertilization and erosion control).
- 3,- Crop rotation in rainfed herbaceous cropping systems to improve soils, increase efficiency water use, reduce weed and diseases and increase grain productivity and quality.
- 4,- Soil fertility. Improvement of soil fertility with the use of legumes cover crops and other amendments.
- 5,- Weed control and management in different cropping systems and different measures and tools: herbicides, allelopathy, competition, etc..
- 6,- Climate change mitigation. Two main aspects are being studied: a) Verification of the role of conservation agriculture in C sequestration. b) Evaluation of the rates of reduction of CO2 emissions from the soil conservation agriculture and conventional agriculture.
- 7,- Disease control and management in water and soil. The research is specifically focused on the fungus *Verticillium dahliae*, important disease in olive cropping systems. Several lines are being developed to reduce and control the disease incidence: a) Soil biofumigation with the use of amendments of cruciferous cover crops, b) Irrigation management to reduce *Verticillium* wilt of olive, c) Reduction of *Verticillium dahliae* infestations in the water and soil, d) Screening of olive genotypes for *Verticillium* wilt resistance.
- 8,- Efficiency irrigation water use. Technical improvement of irrigation systems and determination of doses of deficit irrigation to reduce water consumption.
- 9,- Efficient and rational use of the fertilization through of its application in the irrigation water.
- 10,- Biodiversity and use of beneficial insects to pest control.

Previous FP experience

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The previous experience of the group 244 in European project is focused on the project LIFE08 ENV/E/000129 AGRICARBON. Two main objective are being studied: a) Verification of the role of conservation agriculture in C sequestration. In this objective are being studied the rates of CO2 sequestration from analysis of organic content matter and organic carbon and their evolution in the soil in different deeps; b) Evaluation of the rates of reduction of CO2 emissions from the soil conservation agriculture and conventional agriculture.

Recently we have been awarded a project LIFE + ClimAgri LIFE13 ENV/E/000541 entitled "Best agricultural practices for Climate Change: Integrating strategies for mitigation and adaptation" which will start the next growing season and whose main goal is to define strategies in crop management in the Mediterranean areas that mitigate the climate change effects and the crop adaptation to present and future climatic conditions.

Role in the project

Research; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

Address: C/Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Laura Valle

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E-mail: laura.valle@juntadeandalucia.es

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 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "RURAL AND NATURAL RESOURCE ECONOMICS" (AGR210). CENTRO IFAPA CAMINO DE PURCHIL

R&D Institution

*PROFILE from Spain
(15ES331)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica (IFAPA), is the only Public Research Organism of the Junta de Andalucía (Southern Spain). IFAPA mission aims to contribute to the modernization of the agricultural, fishing and agrifood sectors of Andalusia by improving their competitiveness through research, innovation, technology-transfer and training of professionals.

IFAPA has designed a Sector Program for Research and Training in Agriculture, Agrifood and Fishing from 2014 to 2107 with the motto "A commitment for innovation": it seeks to establish the future strategies which will allow a progressive change in the related sectors towards sustainable productive models, based on innovation and knowledge application. For this purpose the following strategic lines can be outlined:

- Leadership in innovation and sector transfer.
- Improvement of the employability and the technical skills of people.
- Contribution to the main scientific and technological challenges.
- Intensive use of ICTs in R&D, training and innovation.

IFAPA activity involves research, technology transfer and training. The activity of the organization is grouped in seven Thematic Areas.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Marine Aquaculture and Fisheries Resources: Aquaculture (fish, mollusk, other species), marine ecosystems, monitoring and evaluation of fisheries.
- Agricultural Economics and Rural Sociology: agrarian systems analysis, rural development, commercial Structures, demand and agrifood consumption.
- Crop Protection: plant parasites (viruses, fungi, bacteria, insects-plague, nematodes, volunteer plants).
- Post-harvest Technology and Agrifood Industry: quality and security food, nutrition and health, control of Agroindustrial process, preservation and packing technology.
- Agricultural Production: herbaceous and woody crops, horticulture, floriculture, livestock.
- Breeding and Biotechnology: plant tissue grow, new varieties of cultivated plants.
- Organic Production and Natural Resources: ecological agriculture and livestock, conservation and sustainability of the natural production media (soil and water).

IFAPA has a network of 18 Research and Training Centres, spread over the Andalusian region, with an important infrastructure: 1,318 has. of Experimental fields, with the most representative farming systems of Andalusia; Experimental facilities (wineries, "almazaras" -olive oil mill, food container processing plant, greenhouses, frigoconservation plants, irrigation units, etc); Laboratories; Genebanks (olive, strawberry, vine, garlic), and Residences for students of the training courses. IFAPA employs 913 people, having a highly qualified staff: over 334 doctors and graduates (researchers, technology-transfer staff and trainers) and also 78 PhD and technology-transfer students with fellowship.

Additionally IFAPA is developing two important transfer systems:

- The Andalusian Agricultural Experimentation Network (spring sunflower, winter cereals, spring cereals, legumes, biofuels, beetroot, cotton, conservation agriculture, ovine, heliculture, asparagus, strawberry, potato, garlic, tomato industry, table grape and other minor crops).
- A Knowledge Management System, which allows quick dissemination of updated information to end-users: an important part of this system is the on-line Platform for Advice and Transfer of Agricultural and Fishing Knowledge (SERVIFAPA), which offers specific technical-informative contents, personal advice and other type of services.

RELEVANT R&D PROJECTS

1. INTERREG:

Seafare: Sustainable and Environmentally friendly Aquaculture for the Atlantic region of Europe.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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<http://www.seafareproject.eu/>

AGRO+: Platform for cooperation Spain-Morocco to strengthen the innovation capacities in the agrifood sector

<http://www.agro-plus.org/>

EAgUa: Transboundary campus for the management of water resources

<http://campuseagua.com/>

PRESPO: Sustainable development of artisan fisheries in the Atlantic Arc

http://atlanticprojects.ccd-r-n.pt/project-area/prespo?set_language=es&cl=es

DIMEAGUA: Development and harmonization of new indicators, methodologies and common strategies between Spain and Portugal for the Guadiana river waters

ECOAGUA: Establishment of a transboundary cooperation network in the use of ecologically sustainable production systems in Aquaculture

BONAQUA: Transboundary cooperation for the development of sanitary good practices in marine Aquaculture

TRANSFER: Transfer of new technologies in the agrifood industry Andalusia (Spain)-Alentejo (Portugal)

SUDOE-AQUAGENET: Biotechnology Transboundary Network in Aquaculture

www.juntadeandalucia.es/agriculturaypesca/ifapa/

2. LIFE +:

LIFE bioDEHESA

www.biodehesa.es

SigAGROasesor: GIS-based tool to support decision-making in a sustainable crop management

www.agroasesor.es

3. European Commission Sixth Framework Programme:

ALterBromide: Coordination framework to improve the delivery of sustainable alternatives to the Methyl Bromide.

AGRIGEN GENBERRY: Conservation and characterization of genetic diversity of small berries

<https://www.bordeaux.inra.fr/genberry/pages/sum.htm>

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ISSCRI2: Integrating social science research into cotton reform implementation lined with the international outlook

www.isscri.org

4. European Commission Seventh Framework Programme:

Pestolive-ARIMNET: Contribution of olive history for the management of soil-borne parasites in the Mediterranean basin

www.arimnet.net/

EUBERRY: The sustainable improvement of European berry production, quality and nutritional value in a changing environment: Strawberries, Currants, Blackberries, Blueberries and Raspberries. Call FP7-KBBE-2010-4.

CLAIM: Supporting the role of the Common agricultural policy in LANDscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy. Call FP7-KBBE-2011-5.

CATCH-C: Compatibility of Agricultural Management Practices and Types of Farming in the EU to enhance Climate Change Mitigation and Soil Health. Call FP7-KBBE-2011-5.

ANDARES: Andalusian Researchers' Night 2012. Call fp7-people-2012-night.

ROCKWOOD: European regions fostering innovation for sustainable production and efficient use of woody biomass. Call FP7-REGIONS-2012-2013-1.

SUWANU: Sustainable Water treatment and Nutrient reuse options. Call FP7-REGIONS-2012-2013-1.

IOF FLAVOR: Control of aroma compounds in Strawberry. Call FP7-PEOPLE-2012-IOF.

SAFI: Support to Aquaculture and Fishery Industry. Call FP7-SPACE-2013-1.

LEGATO: LEGumes for the Agriculture of Tomorrow. Call FP7-KBBE-2013-7-single-stage.

TRAFOON: Traditional Food Network to improve the transfer of knowledge for innovation. Call FP7-KBBE-2013-7-single-stage.

5. European Commission H2020:

Proposals approved: RESSQUA (Researchers Square. Call H2020-MSCA-NIGHT-2014).

Proposals under submission: EQUIPS, PARAQUA, MOUNTAGRINET, LUSH PROTEINS, OLEOVERITAS

Expertise offered (related to the topic)

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The AGR210 Group offers to the topic ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy; B. [2015] Rural development; wise expertise in:

- Analysis of the impact of the European rural development policies in the sustainability of agricultural farms.
- Design and development of local and regional policy models to achieve competitiveness, sustainability and multifunctionality of farming activities.
- Analysis of the part-time farming and non farming activities in small and medium farms and the diversification of agricultural income in rural areas.
- Analysis and assessment of multifunctional challenges of farming systems in rural areas.
- Analysis of financial, economic profitability and environmental sustainability of farming systems in rural areas, generally, and mountainous and Less Favoured zones, particularly.
- Gender analysis in agricultural activity and development processes, in general and its role in the running of agricultural farms.
- Design of sustainable and endogenous rural development policies and processes.
- Evaluation of endogenous resources in rural areas for the design of local and sustainable development processes.
- Analysis of innovative rural development processes and actors initiatives in rural areas.
- Analysis of the potential of rural tourism market and agrotourism in rural territory.
- Analysis and evaluation of the multifunctionality of agricultural and rural territory.
- Evaluation of environmental externalities of rural areas.
- Bio-economic modeling of farming systems.
- Analysis of alternative farming systems: organic farming, integrated production, etc.
- Analysis of non-food agricultural products in rural areas.

Previous FP experience

The AGR210 Group has previous experience with the followings Projects International and Nationals:

- European Regions fostering Innovation for Sustainable Production and Efficient Use of Woody Biomass (ROKWOOD)". European Commission – Seventh Framework Programme Coordination and Support Action. European Union FP7-Regions-2012-2013-1 (Transnational Cooperation between

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 	<p style="text-align: center;"><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p style="text-align: center;">Sector Group Agrofood</p>	
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Regional Research-Driven Clusters), Grant Agreement No. 319956. 1st December 2012 - 30th November 2015. 19 partners: 6 SMEs, 6 RTDs and 7 regional authorities or associations. http://cordis.europa.eu/search/index.cfm?fuseaction=proj.document&PJ_RCN=13434121. Project website: <http://www.rokwood.eu/>. TTZ-Bremerhaven (Coordinator): TTZ (Germany); Regionale Planungsgemeinschaft Altmark: RPAA (Germany); Agraligna GmbH: AGRA (Germany); Mazowiecki Ośrodek Doradztwa Rolniczego w Warszawie: MODR (Poland); Gmina Żaluski: GZ (Poland); Ekspert-SITR Okręgowy Ośrodek Rzeczoznawstwa I Doradztwa Technicznego sp. z o.o. (Poland); Instituto Andaluz de Investigación y Formación Agraria Pesquera Alimentaria y de la Producción Ecológica: IFAPA (Spain); Asociación Agencia Provincial de la Energía de Granada: AAPE (Spain); Asociación Agraria Jóvenes Agricultores: ASAJA Granada (Spain); Centre Sustainable Energy Lbg: CSE (UK); Dorset County Council: DCC (UK); Crops for Energy Limited C4E (UK); Sp Sveriges Tekniska Forskningsinstitut AB: SP (Sweden); Kommunförbundet Skåne: SEA (Sweden); Salixenergi Europa AB: SEE (Ireland); Dublin Institute of Technology: DIT (Ireland); Midland Regional Authority: MRA (Ireland); Botricity Limited: BL (Ireland); European Biomass Industry Association: EUBIA (Belgium).

- Evaluación agro-ambiental de los sistemas de producción convencional, integrada, orgánica y de conservación en olivar de montaña: impacto sobre la erosión, calidad del suelo y el valor comercial del aceite de oliva. Consejería de Economía, Innovación, Ciencia y Empleo. IFAPA (Sevilla, Granada, Cádiz, Jaén y Córdoba). 2014 – 2017.

- Dehesa ecosystems: Development of policies and tools for biodiversity conservation (bioDEHESA)". European Commission – Seventh Framework. LIFE + Biodiversity. Project reference: LIFE11 BIO/ES/000726. Duration: 01-Oct-2012 to 31-Mar-2017. Consejería de Agricultura, Pesca y Medioambiente (CAPMA); Agencia de Medioambiente y Agua de Andalucía (AMAYA); Agencia de Gestión Agraria y Pesquera (AGAPA); Foro para la Defensa y Conservación de la Dehesa ENCINAL; Asociación Agraria de Jóvenes Agricultores (ASAJA); Coordinadora de Organizaciones de Agricultores y Ganaderos (COAG); Federación Andaluza de Empresas Cooperativas Agrarias (FAECA); Unión de Pequeños Agricultores y Ganaderos (UPA); Asociación de Propietarios Rurales, Productores de Caza y Conservadores del Medio Natural de Andalucía (APROCA). 2012- 2015.

http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dsppage&n_proj_id=4352

- Supporting the role of the Common agricultural policy in Landscape valorisation: Improving the knowledge base of the contribution of landscape Management to the rural economy (CLAIM). EU. Universidad de Bologna, Zalf (Alemania), JRC-IPTS (EU), Universidad de Viena (Austria), VU-IVM (Holanda), IFAPA (España), WAU (Polonia), Universidad de Suleyman (Turkía), Universidad Agraria AU (Bulgaria), INRA (Francia). 2011-2014

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Hunting for sustainability. EU. Maculay institute, Imperial Collage London, Umea University, University of Stirling, Frankfurt Zoological Society, Tanzania Wildlife Reserach Institute, Instituto de Ciencia y tecnología ambientales, University of Lubiana, University of Zagreb, Norwegian institute of Nature Research. 2008-2011.
- Integrated Catchment Management, Economic Incentives and the Water Framework Directive. Economic and Social Research Council. Univerisity of Dundee, University of Stirling. 2004 – 2006.
- Valuation of Landscape Change in UK National Parks. Arts and Humanities Research Councils. University o Stirling, Centre for the Environmental History. 2004 – 2006.
- Valoración y análisis económico de impactos ambientales en procesos erosivos: aplicación en zonas del sudeste español. INIA, Proyecto RTA01-128. Consejería de Agricultura y Pesca, Universidad Politécnica de Cartagena, Universidad de Almería. 2001 – 2003.
- Metodología para la asignación de indicadores de sostenibilidad de explotaciones agrarias en regadío. (INSOEX) (RTA2008-00022). 2008-2011. INIA.
- Multifuncionalidad agraria y políticas públicas: integración de la demanda social en el diseño y evaluación de políticas agroambientales en el olivar andaluz (MULTIOLI) (PAIDI P07-SEJ-03121). Consejería de Innovación, Ciencia y Empresa de la Junta de Andalucía. 2007-2010.
- Análisis de la demanda social por la multifuncionalidad agraria y contraste de las preferencias públicas con las medidas de la PAC: Aplicación a sistemas agrarios del sudeste de España (MULTIPREF) (RTA2006-00055-00-00). (MULTIPREF). INIA. 2006 – 2009.
- Análisis de viabilidad económica y valoración de externalidades ambientales en sistemas agrarios orientados a la producción de energía: electricidad y biodiesel. RTA2005-00150-00-00. INIA. 2006-2009.
- Dimensión económica de la erosión: análisis y valoración de su impacto en sistemas agrarios mediterráneos del sudeste de España. MEC: Ministerio de Educación y Ciencia (MEC). AGL 2006-00042. 2006 – 2009. Universidad de Almería, IFAPA, Delegación provincial de Agricultura de Almería, Universidad politécnica de Cartagena, Universidad pública de Navarra, Consejería de Agricultura Agua y Medio Ambiente de Murcia. 2006-2009.
- Análisis de la protección ambiental mediante la política agraria: el diseño óptimo de la política agro-ambiental (DISOPTIPOL) (RTA2005-00020-00-00). INIA. 2005 – 2008.
- El reto estratégico de la competitividad de las denominaciones de origen de aceite de oliva. Análisis especial en las Denominaciones de Origen Protegidas (DOP) del sistema oleícola andaluz. INIA RTA05-122. 2006-2008.

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- Análisis económico del uso del agua en los sistemas hortícolas del litoral mediterráneo: Evaluación de impactos socioeconómicos y medioambientales y diseño de estrategias de gestión en el contexto de la nueva normativa nacional y europea. Ministerio de Ciencia y Tecnología (MCYT). . Proyecto AGL 2002 - 04251 - C03 - 02. 2003 – 2006.
- Gestion de la demande d'eau agricole et politiques de tarification en Tunisie et en Espagne: Une analyse moyennant des techniques multicritères (Ref. A/3433/05). Programa de cooperación científica e investigación interuniversitaria (PCI-Mediterráneo) entre España y Túnez. Agencia Española de Cooperación Internacional (AECI). 2006-2007.
- Gestion de la demande d'eau agricole et politiques de tarification en Tunisie et en Espagne: Une analyse moyennant des techniques multicritères (Ref. A/6846/06). Programa de cooperación científica e investigación interuniversitaria (PCI-Mediterráneo) entre España y Túnez. Agencia Española de Cooperación Internacional (AECI). 2007-2008.
- Cuantificación de la multifuncionalidad (externalidades ambientales y sociales) producida por los sistemas agrarios continentales” (MULTIAGRO). Ref. AGL2003-07446-C03-01. Plan Nacional de Ciencia y Tecnología. Ministerio de Ciencia y Tecnología (MCyT) y Fondo de Desarrollo Regional (FEDER). 2003-2006.
- Análisis prospectivo de la sostenibilidad de los sistemas agrarios nacionales en el marco de la PAC: sistemas continentales (Ref. AGL2006-05587-C04-01/AGR). Plan Nacional de Ciencia y Tecnología. Ministerio de Educación y Ciencia (MEC) y Fondo de Desarrollo Regional (FEDER). 2003-2009.
- Red científica de economía del agua de riego (Ref. AGL2007-30519-E/AGR). Acciones Complementarias del Plan Nacional de Ciencia y Tecnología. Ministerio de Educación y Ciencia (MEC) y Fondo de Desarrollo Regional (FEDER). 2008-2009.

Tesis Doctorales (últimos 5 años):

- Valuing biodiversity and ecosystem conservation in the Albertaine rift. Universidad: University of Stirling, Reino Unido. Departamento de Economía. 2009.
- Upland Landscapes: What do people want, who wants it and can they have it all?. University of Stirling, Reino Unido. Departamento de Economía. 2009.
- New agri-environmental policies for the sustainability of mountainous olive farming. Evidences from Andalusia, Spain. Universidad Politécnica de Madrid. Escuela Técnica Superior de Ingenieros Agrónomos. Departamento de Economía y Ciencias Sociales Agrarias. 2014.
- Demanda social por la agricultura: contraste de preferencias y política agraria común. Tesis premiada "VIII Premio de Investigación del Consejo Económico y Social (CES) de Andalucía, 2010.

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Septiembre.

http://www.cem.junta-andalucia.es/empleo/www/ces/actividades/resolucion_concesion_viii_premio_ces-a.pdf. Universidad de Sevilla. Facultad de Ciencias Económicas. 2009. Sobre Saliente Cum Laude por unanimidad.

- Percepción social de las modificaciones genéticas en la alimentación: análisis del comportamiento del consumidor en Andalucía. Departamento de Economía, Sociología y Políticas Agrarias. Universidad de Córdoba. Sobre Saliente Cum Laude por unanimidad.

Tesis premiada: Premio extraordinario tesis doctorales en Macro área de sociales y jurídicos. 2011/2012. <http://www.uco.es/estudios/idep/doctorado/premio-extraordinario-de-tesis-doctorales>

Tesis premiada "XII Premio de Unicaja de Investigación Agraria de Andalucía", 2010. Junio.

<https://www.obrasocialunicaja.es/cOS/Satellite/OBSControlCS/Page/1219734805848>

- Quality labels and consumer behavior: the case of spanish olive oil. Departamento de Economía, Sociología y Políticas Agrarias. Universidad de Córdoba. 2014.

- Optimización social del uso del territorio agrícola: el caso del olivar de Montoro (Córdoba, España). Departamento de Economía, Sociología y Políticas Agrarias. Universidad de Córdoba. 2008. Sobresaliente Cum laude.

- Evaluación integrada de prácticas y diseño de políticas agrarias orientadas a la multifuncionalidad y la sostenibilidad: Aplicación a sistemas agrarios olivareros de Andalucía y lecheros de los Países Bajos". Universidad de Granada. 2014.

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento (AAC)

Address: C/ Max Planck, 3. Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Laura Valle

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **UNIVERSITY OF GASTRONOMIC SCIENCES/ SYSTEMIC FOOD DESIGN RESEARCH UNIT**

R&D Institution

*PROFILE from Italy
(15IT333)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-Public Partnerships in the bioeconomy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The University of Gastronomic Sciences, founded in 2004 by the international non-profit Slow Food in cooperation with the Italian regions of Piedmont and Emilia-Romagna, is a ministerially recognized, private non-profit institution.

Its goal is to create an international research and education center for those working on renewing farming methods, protecting biodiversity, and building an organic relationship between gastronomy and agricultural science.

Relevant projects:

2010-2012 Poliedro, Pollenzo Index Environmental and Economics Design funded by Piedmont Region

2011-2013 Pollenzo's Index funded by Turin Commercial Chambre

2010-2012 People Interaction with Enhanced Multimodal Objects for a new territorial experience-Want-eat, funded by Piedmont Region

2012-2013 Systemic Food Design funded by Comieco

Expertise offered (related to the topic)

Systemic design according the principle of circular economy to optimise food production, processing, commercialisation systems

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Eco- Packaging (primary, secondary and tertiary)

Interaction with smart objects (App, augmented reality, QR code, App, website, Innovative Social Network)

Design of Eco-events

Previous FP experience

No previous experience

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

Postcode:

City: Torino

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "CHARACTERIZATION AND CONSERVATION OF DOMESTIC ANIMAL GENETICS RESOURCES FOR RURAL DEVELOPMENT" (AGR 134). UNIVERSITY OF CORDOBA

R&D Institution

*PROFILE from Spain
(15ES336)*

TOPIC OF INTEREST

TOPIC

ISIB-12-2014/2015: Public-public partnerships in the bioeconomy. C [2015] Sustainable livestock production

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Research Group 'Characterization and Preservation of Genetic Resources of Domestic Animals for Rural Development' (AGR-134) was founded in 1991 as a part of the 'Andalusian Research Plan' promoted by the Andalusian Regional Government.

The research team is composed of subject matter experts and veterinaries from several public institutions and private enterprises, such as:

- The University of Córdoba.
- FEAGAS (Federation of Farmers' Unions)
- The Loyola University.
- Fish and Agriculture Council from Andalusian and other Regional Governments.
- IDTACA, Ltd.

Some innovative methodologies set in place by the group are:

- Optimization of Phenotypic Characterization methods in the broader sense, including animals, environment and production systems.

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  <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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- Genetic Variability Analysis using molecular markers.
- Phylogenetic studies.
- Identification of genetic markers of special interest for production or adaptation processes.
- Ethological studies of autochthonous races and their interaction with the environment, considering individual behavioural patterns.
- Social-Economic Analysis of livestock resources and DAnGR (Domestic animals Genetic Resources) optimization.
- Characterization of the quality of final products (meat, milk, wool, etc).

Relevant R&D projects:

We have taken part in several projects support by FEDER grants(National Plan of I+D+i). Program and Strategic Action from INIA: Conservation of Genetic Resources of Food-processing Interest

"Caracterización y evaluación de las razas bovinas Berrendas. Diseño y gestión de los planes de conservación" (RZ00-00-017).

"Identificación del estado de conservación y planes de recuperación de las razas bovinas andaluzas en peligro de extinción" (RZ04-00-013).

"Caracterización Socioeconómica, productiva y genética de la raza Bovina Pajuna. Bases para el desarrollo de estrategias para su preservación, conservación y desarrollo sostenible" (RZ-02-007)

"Caracterización y evaluación de razas caprinas autóctonas españolas de orientación cárnica:" (RZ01-010-C3-1)

"Geografía del caprino español en riesgo de extinción. Caracterización de razas, agrupaciones y ecotipos" (RZ2004-00010-00-00).

"Caracterización Fenotípica De La Agrupación Caprina De Las Mesetas" (RZ2008-00021-00-00)

"Estudio de la repercusión del bienestar animal en el sistema de producción del ganado caprino de carne en las razas Blanca Celtibérica, Negra Serrana-Castiza y Blanca Andaluza. Análisis económico y de la calidad del producto". (RZ2004-00010-00-00)

"Evaluación de la calidad higiénico-sanitaria y tecnológica de la leche de raza Manchega como instrumento para la mejora de la viabilidad socio-económica y ambiental de los sistemas productivos de ovino lechero" (RZ2008-00021-00-00)

Also, we have taken part in several cooperation projects (PCI- AECID) in North Morocco about DAnGR Conservation and Rural Developement:

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The research group has collaborated in the characterization of races of ruminants of Latin America (Araucanian sheep from Chile, Creole goat from Puebla(México), Casanare Creole cattle from Colombia, etc)

Expertise offered (related to the topic)

The research studies within the sphere of the characterization and preservation of genetic resources have led to successfully achieve the following goals:

- Identification and cataloguing in a number of both Spanish and Latin-American autochthonous races utilized in extensive production systems.
- Inventory of autochthonous livestock patrimony.
- Plans for the improvement and preservation of autochthonous races.
- Support to farmers in the implementation of the aforementioned plans.
- Proposals and strategies aimed to improve the profitability of resources, their commercialization and possible alternative uses.

Role in the project

Research; Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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■ ■ ■ 1046

 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "ENVIRONMENTAL TECHNOLOGY" (TEP-181). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from España
(15ES339)*

TOPIC OF INTEREST

TOPIC

LCE-02-2015: Developing the next generation technologies of renewable electricity and heating/cooling

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Group, formed by over 40 highly qualified people (Chemists, Biologists, Chemical Engineers, Marine Science Graduates and Environmental Science Graduates), is comprised of a multidisciplinary team of University Professors, Teaching and Research Staff and Administrative and Service Staff which considers University-Business links to be key for progress, innovation and the transfer of technology. It forms part of the Agrifood Campus of International Excellence ceiA3.

The Group has accordingly been awarded the "Special Mention in the University Category" by the Spanish Network of University-Business Foundations (redfue), selected from among 203 candidates.

The high level of scientific and technological innovation of the external services offered by the TMA Group is backed by a great many patents developed at the University of Cadiz.

Lines of Research:

- Environmental Engineering and Purification
- Environmental Quality
- Grid-connected photovoltaic plants

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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-Technological Innovation in Automation and Systems Control (ITACS)

-Air pollution from maritime transport

Expertise offered (related to the topic)

The majority of the basic and applied research carried out at present at the TMA Group is focused on Environmental Technologies for the reduction or elimination of liquid and solid waste pollution as well as air pollution, branching out into multiple fields of study. These comprise from the conception, design and development to the piloting of technologies for their industrial scaling. The following actions can be highlighted:

- +Biological treatment of water and waste by means of aerobic processes.
- +Biological treatment of water and waste by means of anaerobic processes.
- +Biological treatment of water and waste by means of photobiopurification.
- +Membrane treatments for purification, re-use and desalination of water.
- +Advanced sewage treatment.
- +Optimisation of industrial refrigeration systems.
- +Analysis of processes aimed at the waste recovery.
- +Disinfection of water.
- +Characterisation and monitoring of microbial populations in biological processes.
- +Energy and agronomic recovery of waste and effluents.

Previous FP experience

Previous Experience

Generally speaking, the services offered by the TMA Group are aimed at high growth companies, essentially small and medium innovative companies, whose goals include scientific-technological leadership and the specialised training of their employees, as well as minimising the environmental impact of their activities.

The TMA Group has carried out over 75 projects and collaborations in the university field with particularly relevant companies and official bodies in different sectors.

Role in the project

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

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E-mail: leonor.camacho@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE340)*

TOPIC OF INTEREST

TOPIC

LCE-11-2014/2015: Developing next generation technologies for biofuels and sustainable alternative fuels

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Insitute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and develepment projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The ILT.NRW - Insitute for Food Technology.NRW carries out projects and holds competences in innovative 2Gbioethanol pretreatment technologies as well as different lignocellulose biorefinery concepts containing the coupling of components as hydrothermal carbonization (HTC) and biogas.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The intstitute participates in a number of ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

Role in the project

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

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Country: Germany

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Fax: 0049 (0) 208 30004 29

E-mail: ak@zenit.de

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE341)*

TOPIC OF INTEREST

TOPIC

LCE-12-2014/2015: Demonstrating advanced biofuel technologies

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Insitute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and develepment projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The ILT.NRW - Insitute for Food Technology.NRW carries out projects and holds competences in innovative 2Gbioethanol pretreatment technologies as well as different lignocellulose biorefinery concepts containing the coupling of components as hydrothermal carbonization (HTC) and biogas.

Previous FP experience

The ILT.NRW - Institute for Food Technology.NRW is currently involved in a project in the frame of research for the benefit of SMEs on functional foods. The intstitute participates in a number of ongoing nationally-funded projects. The companies have good contacts to food SMEs, which can be contributed to future projects.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

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■ ■ ■ 1053

 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ILT.NRW-INSTITUTE FOR FOOD TECHNOLOGY.NRW,
OSTWESTFALEN-LIPPE UNIVERSITY OF APPLIED
SCIENCES**

R&D Institution

*PROFILE from Germany
(15DE342)*

TOPIC OF INTEREST

TOPIC

LCE-13-2015: Partnering with Brazil on advanced biofuels

ORGANIZATION EXPERTISE

ENTITY PROFILE

The ILT.NRW - Insitute for Food Technology.NRW is part of the Ostwestfalen-Lippe University of Applied Sciences. The Institute aims at providing secure, healthy and low-cost foodstuffs through sustainable processes. The major fields of activity are meat technology, beverage technology, bakery technology, food chemistry, microbiology, process technology and food histology. By now, some 50 academic scientists are involved in research and develepment projects. Own capabilities for chemical, physical, microbiological, histological and sensory analysis are available.

Expertise offered (related to the topic)

The ILT.NRW - Insitute for Food Technology.NRW carries out projects and holds competences in innovative 2Gbioethanol pretreatment technologies as well as different lignocellulose biorefinery concepts containing the coupling of components as hydrothermal carbonization (HTC) and biogas.

Previous FP experience

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "ENVIRONMENTAL TECHNOLOGY" (TEP-181). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from España
(15ES343)*

TOPIC OF INTEREST

TOPIC

LCE-14-2015: Market uptake of existing and emerging sustainable bioenergy

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Group, formed by over 40 highly qualified people (Chemists, Biologists, Chemical Engineers, Marine Science Graduates and Environmental Science Graduates), is comprised of a multidisciplinary team of University Professors, Teaching and Research Staff and Administrative and Service Staff which considers University-Business links to be key for progress, innovation and the transfer of technology. It forms part of the Agrifood Campus of International Excellence ceiA3.

The Group has accordingly been awarded the "Special Mention in the University Category" by the Spanish Network of University-Business Foundations (redfue), selected from among 203 candidates.

The high level of scientific and technological innovation of the external services offered by the TMA Group is backed by a great many patents developed at the University of Cadiz.

Lines of Research:

- Environmental Engineering and Purification
- Environmental Quality
- Grid-connected photovoltaic plants
- Technological Innovation in Automation and Systems Control (ITACS)
- Air pollution from maritime transport

■ ■ ■ 1056



Expertise offered (related to the topic)

The majority of the basic and applied research carried out at present at the TMA Group is focused on Environmental Technologies for the reduction or elimination of liquid and solid waste pollution as well as air pollution, branching out into multiple fields of study. These comprise from the conception, design and development to the piloting of technologies for their industrial scaling. The following actions can be highlighted:

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- +Biological treatment of water and waste by means of anaerobic processes.
- +Biological treatment of water and waste by means of photobiopurification.
- +Membrane treatments for purification, re-use and desalination of water.
- +Advanced sewage treatment.
- +Optimisation of industrial refrigeration systems.
- +Analysis of processes aimed at the waste recovery.
- +Disinfection of water.
- +Characterisation and monitoring of microbial populations in biological processes.
- +Energy and agronomic recovery of waste and effluents.

Previous FP experience

Previous Experience

Generally speaking, the services offered by the TMA Group are aimed at high growth companies, essentially small and medium innovative companies, whose goals include scientific-technological leadership and the specialised training of their employees, as well as minimising the environmental impact of their activities.

The TMA Group has carried out over 75 projects and collaborations in the university field with particularly relevant companies and official bodies in different sectors.

Role in the project

Research; Training; Tech. Development; Dissemination

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 <small>Business Support on Your Doorstep</small> 	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Network partner contact for this profile (Enterprise Europe Network)

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



ECOFOR - FOREST ECOLOGY RESEARCH GROUP CASTILLA LA MANCHA UNIVERSITY

R&D Institution

*PROFILE from SPAIN
(15ES344)*

TOPIC OF INTEREST

TOPIC

SC5-10-2014/2015: Coordinating and supporting research and innovation for the management of natural resources

ORGANIZATION EXPERTISE

ENTITY PROFILE

Forest Ecology (ECOFOR) is a consolidated research group of the Universidad Castilla-La Mancha focused on design and testing more efficient tools and adaptive forestry practices to face uncertainties from new ecological scenarios related to global change, i.e. climate change, land use, land-use change and forestry, mainly in terrestrial Mediterranean-type ecosystems. The main topics of the research group have been focused in:

- Fire ecology.
- Post-fire restoration.
- Adaptive Forest management
- Resilience and vulnerability of forest plant communities
- Relationship between the plant-soil interphase.

We also developed projects related to sewage sludge reuse and water quality management.

The main R&D projects carried out by the research group are:

NATIONAL PROJECTS:

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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AGL2011-27747: Mediterranean forest management after fire and climate change: resilience and productivity at three different scales (FIREMED3L).

Consolider CSD2008-00040: Spanish woodlands and global change: threats and opportunities (MONTES).

GL2008-03602/FOR: FIRESINK. Resiliencia de regenerados naturales y de repoblaciones de *Pinus halepensis* Mill. después de incendio en el SE de la Península Ibérica; Valoración del almacenaje de CO₂.

AGL2004-07506/FOR: Regeneration of *Pinus halepensis* Mill After large fires. Influence of different silvicultural treatments in reproductive dynamics and biodiversity of forest ecosystems.

FEDER-CICYT 1FD97-411: Management and restoration of burned forests in Castilla-La Mancha. Improvement of Nursery techniques for tree species reintroduction.

REGIONAL PROJECTS:

P01109-0096-3367: Anthropogenic influence on the development of Mediterranean xeric pine forests: sustainable forest management after fire and reforestation of Aleppo pine.

PBC-05-013-2: Assessment of carbon balance and water vapor fluxes in forest ecosystems of Castilla-La Mancha (ECOFLUJ).

PCC08-0109: Assessment of carbon balance and water vapor fluxes in forest ecosystems of Castilla-La Mancha (ECOFLUX II).

MEDFOR-ECOTRON facility.

Expertise offered (related to the topic)

In the 20 years of professional experience, the research group has contributed to the improvement and innovation regarding to ecosystem restoration after fire under a multidisciplinary approach. The research group has contributed to connect basic and applied research to forest management, helping in planning and adaptation decisions by stakeholders and administration forestry technicians.

One of the main potentials has been to implement early silvicultural treatments in regenerated forest after fire passage, including it in an adaptive forest management proposal. The effect of our work has been studied from different perspectives including several factors affecting the ecosystem response after disturbances, i.e. wildfire, droughts and silvicultural treatments.

The results have been widely disseminated, contributing to scientific papers, books, presentations in congresses and courses and divulgated to the general public. In addition, our research proposal has

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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been included in innovation programs and funded activities, promoting synergies with international research and innovation programs and actions.

Previous FP experience

COLLABORATION IN RESEARCH INTERNATIONAL NETWORKS&GROUPS

- Phoenix NET (FIRE Ecology and Post-fire Management) (Lisboa, Portugal)
- EFIMED (Mediterranean European Forest Institute), EUROPEAN FOREST INSTITUTE (Joensuu, Finland)
- ECOLOGY RESEARCH GROUP of CREAM (Centre de Recerca Ecologia e Aplicacions Ambientals), UNIVERSIDAD AUTONOMA DE BARCELONA (Bellaterra, Spain)
- FOREST FIRE RESEARCH GROUP of Università degli Studi della Basilicata (Potenza, Italy)
- FOREST ECOLOGY RESEARCH GROUP of INGER (Institut National de Recherches en Génie Rural. Eaux et Forêts) (Tunis, Tunisia Republic)

INTERNATIONAL PROJECTS

- COST Action FP0701: Post-fire forest management in Southern Europe (Management Committee)
- ELIARE NETWORK SUDOE: International Cooperation Program SUDOE Interreg IVB: Establishing links to augment research in Europe with networks in sudoe (SOE1/P1/F169)
- Postdoctoral grant from the "José Castillejo" International Mobility Program: Developing tools for improving forest management in Mediterranean areas prone to fire in USDA Forest Service, Forest Fire Lab of Riverside, California (USA)

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

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■ ■ ■ 1061

 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AGROTECH

Technological Centre

*PROFILE from Denmark
(15DK345)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

AgroTech is a non-profit research and innovation institute working with technologies for the agricultural sector and food sector. We participate in research, development and demonstration projects supported by public funds. Moreover, we deliver independent test and documentation of new technologies and research-based consultancy on commercial basis related to the development of new technologies. In our work we pay special attention to small and medium-sized companies but we cooperate with companies of any size and any nationality. Sustainable production and use of biomass is one of five core fields of expertise in AgroTech.

Expertise offered (related to the topic)

AgroTech offers expert knowledge on various topics along the chain from biomass production, harvest, storage and use of different fractions of the biomass for food, feed, fertilizer, biomaterials and bioenergy. Activities concern experimental work, analysis of new and existing data, desk studies, elaboration of scenarios etc. as well as dissemination of knowledge to research communities, advisors, companies etc.

A specific interest is concerned with the production and use of agricultural residues and by-products such as straw, catch-crops, leaves from sugar beet, biomass from unutilized meadow areas etc. These types biomass may constitute a potential resource for biogas production without the risk of competing with land for food and feed production. Also, via the residues from the biogas production, nutrients may be recycled and used as a fertilizer in crop production, and the undigested organic matter may contribute to maintain the pool of soil carbon.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

AgroTech was coordinator in a FP6-project called "AGROBIOGAS - An integrated approach for biogas production with agricultural waste". It was a 3-year Collective Research project with 24 partners from 10 European countries. Total budget amounted to 2.8 million EURO. In addition to AGROBIOGAS, AgroTech has experience from participation in EU projects under the Intelligent Energy Europe-programme and the Interreg-programme.

Role in the project

Research; Training; Tech. Development; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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City: Tjele

Country: Denmark

Contact person: Anders Skeem

Telephone: 4540309637

E-mail: as@agropark.dk

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  <p>Business Support on Your Doorstep</p>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



FOOD PROCESSING INITIATIVE E.V.

SME

*PROFILE from Germany
(15DE346)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agriculture waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Food-Processing Initiative (FPI) e.V. (membership association) is the established networking organisation for food industry (i.e. producers, technology, ingredients, packaging, IT solutions) and research. FPI facilitates innovation in product, technology and knowledge, and opens up new markets. FPI is engaged in national and international innovation projects, delegations and matching events.

Expertise offered (related to the topic)

Creating Contacts – Pooling Potential – Opening Opportunities

FPI, founded in 2000, is an acknowledged network in the food sector. FPI supports food companies, in particular small and medium-sized enterprises (SME) on innovation, strategic alliances, market potentials and expansion. FPI fosters communication, provides information, establishes contacts across the food chains, initiates and supports all forms of co-operation and innovation projects, resource efficient processes in food production and dissemination and exploitation strategies, both national and international.

Previous FP experience

FPI e.V. has participated in several EU projects fostering innovation in the German food sector and promoting transfer of research results to the food industry. Project examples are the INTERREG projects FoodSpot, FoodFuture and FP7 project AgriFoodResults. FoodSpot is a collaborative platform for cross-border innovation and cooperation in the food sector of the Netherlands, Flanders

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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and North-Rhine Westphalia. AgriFoodResults provides useful tools for dissemination managers of food research projects, including a virtual supermarket which provides food SMEs an intuitive access to the results of past EU R&D projects.

Role in the project

Training; Management; Dissemination; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: NRW.Europa

Organisation name: ZENIT GmbH

Address: Bismarckstr. 28

Postcode: 45470

City: Mülheim/Ruhr

Country: Germany

Contact person: Agnieszka Kaminska

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■ ■ ■ 1066

 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



PEVESA BIOTECH S.A.

SME

*PROFILE from Spain
(15ES347)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Protein derived products (protein isolates, concentrates, hidrolysates, peptides, aminoacids,...).

Sectors: food, cosmetics, agroproducts, feed, veterinary, pharma and fermentations.

Relevant projects: Pronaos (foods for healthy life), Prot4Food (proteins for near future), BioAndalus (functional peptides from natural sources), Gln and Arg rich hydrolysates (production and use of), Bio-Andalus (research in second generation biofuels)...

Expertise offered (related to the topic)

Functional peptides (production of),

Aminoacid based products (nutritional, fertilizers, cosmetics,...)

Protein extraction from natural sources (including waste management of rich in protein ones).

Protein based formulas (protein ingredient develop)

Demonstration in pilot scale (bioreactors, separators and dryers available for selected projects)

Protein derived products (protein isolates, concentrates, hidrolysates, peptides, aminoacids,...) in diverse uses.

Enzymatic technology (use of enzymes)

Previous FP experience

Start of the company based in life project,

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Participant in Food For Life platform,

Participant in Eureka and H2020 calls

Role in the project

Research; Tech. Development; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: c/ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Sevilla

Country: Spain

Contact person: Rocío Muñoz Maestre

Telephone: 34955058103

E-mail: rocio.munoz.maestre@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GREENPHARMA S.A.S.

SME

*PROFILE from
(15FR395)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agriculture waste, co- products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Greenpharma (<http://www.greenpharma.com>) is a CRO specialised in natural compound research and development. Created in 2000, it is a reliable partner for the pharmacy, cosmetics and agro-food industries. Built around an innovative technological platform, Greenpharma succeeded to gather expertise in wide and complementary fields such as pharmacognosy, medicinal & analytical chemistry, molecular modelling and knowledge management. Moreover, a development platform was recently implemented allowing Greenpharma to bring an idea from research to the product at the pilot scale.

Expertise offered (related to the topic)

- Phytochemistry: development of methods for extraction, purification (until pilot scale) and characterisation of metabolites in complex matrices, activity-guided fractionations;
- Molecular modelling: ligand and structure-based virtual screening, QSAR, in silico activity identification (eg drug repositioning, identification of activities for natural compounds...) with our proprietary tool Selnergy;
- Medicinal chemistry: synthesis on demand, lead optimisation, natural compound mimics (eg. Pyrazolotriazine...), library design...
- Knowledge management: database design and building.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Previous FP experience

FP7: Novel approaches to bacterial target identification, validation and inhibition (NABATIVI)

FP6: Genomics of Cardiomyocyte Signalling to Treat and Prevent Heart Failure (EUGeneHeart)

Role in the project

Research; Tech. Development; Management; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PIC2

Organisation name: Chambre De Commerce Et D'Industrie de Région Centre

Address: 6 rue Pierre et Marie Curie - Parc d'activités - Ingré

Postcode: 45926

City: Orleans Cedex 9

Country: France

Contact person: Elisabeth Foulatier

Telephone: 33 (0)2 38 25 25 43

E-mail: elisabeth.foulatier@centre.cci.fr

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
FOOD, METABOLOMICS AND SENSORY SCIENCE**

R&D Institution

*PROFILE from Denmark
(15DK348)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agriculture waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Associate professor's research fields: Expertise with plant food quality and post-harvest physiology, biology and technology. The focus is on the impact of product, cultivar and growing history and the effect of applied technologies (e.g. cold storage, controlled and modified atmosphere storage, packaging and processing) on fruit and vegetable quality. The work includes isolation and quantification of primary and secondary metabolites like carbohydrates, organic acids, volatile and non-volatile compounds, polyacetylenes, carotenoids and chlorophylls and relations to sensory quality and non-destructive measurements.

Expertise offered (related to the topic)

Plant food quality; Raw material quality and processing and packaging technology to increase eco-innovative solutions in sustainable food processing. Understanding consumers perception of freshness and monitoring early changes in product quality and shelf-life using chemical, sensorial and non-destructive, on-line monitoring. Developing innovative tools (low boiling volatiles) to understand and minimize quality changes in the food chain. Developing and testing new technologies in cooperation with the industry. Having more than 20 years of work experiences with the industry at different points in the food chain (from gene to consumers).

Previous FP experience

Department of Food Science:

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research; Training; Tech. Development; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

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 Business Support on Your Doorstep	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**AARHUS UNIVERSITY - DEPARTMENT OF FOOD SCIENCE -
PLANT, FOOD & CLIMATE**

R&D Institution

*PROFILE from Denmark
(15DK349)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agriculture waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Senior researcher: PhD. Plant Nutrition, science team leader of Plant, Food & Climate, FOOD Science, activities: sustainability, cover crops, competition from weed in organic berry production, waste, yield, irrigation, frost hardiness, chilling, quality, protected cultivation of food, including effect of light (and UV); Production in closed environment without daylight, light quality, LED light for improvement of chemical compounds in plant production, urban farming aspects

Expertise offered (related to the topic)

Methods to improve rooting and shoot growth of pot-plants (Hedera, Dipladenia, Stephanotis, Hibiscus) by hot-water treatment of the cuttings, focusing temperature and duration of treatment are developed. Application of dynamic controlled atmosphere (DCA) for improvement of post-harvest quality of strawberry and apples is investigated. Research in methods to grow plants in a closed system in multilayer is starting-up.

Previous FP experience

Department of Food Science:

FP5 - COLDTREE - The application of cDNA microarray technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings (Lead Partner: Wageningen University)

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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FP5 QLK5-CT-2001-70315 Broadtech (partner; lead partner: Italy's Agency for Environmental Protection and Technical Services, Nature Conservation)

FP6 - QACCP - Quality Analysis Critical Control Point (University of Kassel Lead Partner)

FP6 - QLIF - Quality Low Input Food - Milk

FP6 - QLIF - Quality Low Input Food - Fruit/apple (Partner)

FP6 - QLIF - Quality Low Input Food - Vegetables (University of Newcastle Lead Partner)

FP6 - Q-PorkChains - Improving the quality of pork and pork products for the consumer

FP6 - REPCO - Replacement of Copper fungicides in organic production of grapevine and apple in Europe

FP6 - ISAFRUIT - Increasing fruit consumption through a trans-disciplinary approach delivering high quality produce from environmentally friendly sustainable production practises (Lead Partner)

FP6 - ERA-IB - ERA-NOEL - Novel enzyme tools for production of functional oleochemicals from unsaturated lipids (Partner)

FP7 - REDNEX - Innovative and practical management approaches to reduce nitrogen excretion by ruminants

FP7 - N-TOOLBOX - effective strategies for on-farm reductions in N losses to water

FP7 - SME-2010-1 - Agrobiofilm - Development of enhanced biodegradable films for agricultural activities (Partner)

FP7 - EPPN - European Plant Phenotyping Network

FP7 - Intervég - Enhancing multifunctional benefits of cover crops - vegetables intercropping (Agricultural Research Council - research Centre for the soil-plant system - Rome Lead Partner)

Role in the project

Research

Network partner contact for this profile (Enterprise Europe Network)

EEN node: DK150121-09

Organisation name: Agro Business Park

Address: Niels Pedersens Allé 2

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Postcode: DK-8830

City: Tjele

Country: Denmark

Contact person: Anders Skeem

E-mail: as@agropark.dk

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **DEPARTMENT OF AGRICULTURAL, FORESTRY AND FOOD SCIENCE (DISAFA) - FOOD MICROBIOLOGY AND TECHNOLOGY SECTOR**

R&D Institution

*PROFILE from Italy
(15IT350)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Research activities in Food Microbiology and Technology Sector of DISAFA includes the entire food chain from field to fork, as well as the health-promoting properties of foods and food constituents.

The Food Sector possesses leading capabilities and resources, as well as active national and international networks, and is therefore able to make significant contributions to current food-related global challenges: food supply, food wastage, food quality, differentiation of foods, and novel, convenient and healthy foods. Most of the research is carried out in collaboration with industrial or research partners, and there is a significant focus on dissemination, development, demonstration and implementation of researches findings to the benefit of industry and society.

Expertise offered (related to the topic)

The science team performs research on food quality and changes in quality parameters related to processing, packaging and storage of foods, especially in relation to wines, dairy products, meat products and plant food products.

With this aim the science team employs chemical-physical (GC-MS, LC-MS ion trap, electronic nose, electronic tongue, texture analyzer) and microbiological (PCR, DGGE) methods to investigate the different foods in order to understand the effect of metabolites on sensory and technological properties.

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Also sensory analysis is used for describing and measuring food quality and a trained sensory panel is used to quantify sensory attributes within appearance, odor, taste and texture.

Previous FP experience

The Food Sector has work on WP5 (CRAFT Project) and on WP7 (PATHOGEN Combact Project)

Role in the project

Research; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ALPS EEN

Organisation name: Unioncamere Piemonte

Address: Via Cavour 17

City: Torino

Country: Italy

Contact person: Daniela Vismara

Telephone: 0039 011 5669239

Fax: 0039 011 5669238

E-mail: d.vismara@pie.camcom.it

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT351)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

The research group aims conserving, promoting, and innovating of mountain farming systems, from the environmental setting and natural resource use (soil, water, carbon, energy, biodiversity), to the systems and productions (practices and processes thoroughly committed with agro-ecological principles), and to the socio-economic context they are part of (policy-driven changes and impacts, on-farm and at territory level).

So, the objectives of the group are to study farming systems relevant in mountain areas:

- i) single permanent crops as chestnut, olive and vineyards;
- ii) mixed-farming based on animal husbandry (cereal, forage, grassland, cattle in less extensive, small ruminant in more extensive);
- iii) other systems.

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Example publications:

Coutinho, J.; M. Arrobas e O. Rodrigues. 1997. Effect of composted sewage sludge amendment on soil nitrogen and phosphorus availability. *Commun. Soil Sci. Plant Anal.* 28: 1845-1857.

Rodrigues, M. A., Pereira, A., Cabanas, J. E., Dias, L. Pires, J. and Arrobas, M. 2006. Crops use-efficiency of nitrogen from manures permitted in organic farming. *European Journal of Agronomy*, 328-335.

Pereira, E.L., S.A.P Santos, M. Arrobas and M.S. Patrício. 2011. Microbial biomass and N mineralization in mixed plantations of broadleaves and nitrogen-fixing species. *Forest Systems*. 20(3): 516-524.

Rodrigues, M.A., Ferreira, I.Q., Claro, A.M., Arrobas, M. 2012. Fertiliser recommendations for olive based upon nutrients removed in crop and pruning. *Scientia Horticulturae* 142: 205-211.

Rodrigues, M.A., Correia, C.M., Claro, A.M., Ferreira, I.Q., Barbosa, J.C., Moutinho-Pereira, J.M., Bacelar, E.A., Fernandes-Silva, A.A., Arrobas, M. 2013. Soil nitrogen availability in olive orchards after mulching legume cover crop residues. *Scientia Horticulturae* 156: 45-51.

Correia, C. M., Brito, C., Fernandes-Silva, A., Bacelar, E., Gonçalves, B. M., Ferreira, H., Arrobas, M., Moutinho-Pereira, J. M., Rodrigues, M. A., 2013. Sustainable management of olive rainfed orchards by the introduction of leguminous cover crops. *Ecology & Safety*, 7(1): 146-156

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)
- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)

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- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

Address: Rua de Sagres, 11

Postcode: 4150-649

City: Porto

Country: Portugal

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Contact person: Bibiana Neves Dantas

Telephone: 00 351 22 616 7820

E-mail: eenetwork@adi.pt

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **RESEARCH GROUP: "ENVIRONMENTAL TECHNOLOGY" (TEP-181). UNIVERSITY OF CADIZ**

R&D Institution

*PROFILE from España
(15ES352)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Group, formed by over 40 highly qualified people (Chemists, Biologists, Chemical Engineers, Marine Science Graduates and Environmental Science Graduates), is comprised of a multidisciplinary team of University Professors, Teaching and Research Staff and Administrative and Service Staff which considers University-Business links to be key for progress, innovation and the transfer of technology. It forms part of the Agrifood Campus of International Excellence ceiA3.

The Group has accordingly been awarded the "Special Mention in the University Category" by the Spanish Network of University-Business Foundations (redfue), selected from among 203 candidates.

The high level of scientific and technological innovation of the external services offered by the TMA Group is backed by a great many patents developed at the University of Cadiz.

Lines of Research:

- Environmental Engineering and Purification
- Environmental Quality
- Grid-connected photovoltaic plants
- Technological Innovation in Automation and Systems Control (ITACS)
- Air pollution from maritime transport

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Expertise offered (related to the topic)

The majority of the basic and applied research carried out at present at the TMA Group is focused on Environmental Technologies for the reduction or elimination of liquid and solid waste pollution as well as air pollution, branching out into multiple fields of study. These comprise from the conception, design and development to the piloting of technologies for their industrial scaling. The following actions can be highlighted:

- +Biological treatment of water and waste by means of aerobic processes.
- +Biological treatment of water and waste by means of anaerobic processes.
- +Biological treatment of water and waste by means of photobiopurification.
- +Membrane treatments for purification, re-use and desalination of water.
- +Advanced sewage treatment.
- +Optimisation of industrial refrigeration systems.
- +Analysis of processes aimed at the waste recovery.
- +Disinfection of water.
- +Characterisation and monitoring of microbial populations in biological processes.
- +Energy and agronomic recovery of waste and effluents.

Previous FP experience

Previous Experience

Generally speaking, the services offered by the TMA Group are aimed at high growth companies, essentially small and medium innovative companies, whose goals include scientific-technological leadership and the specialised training of their employees, as well as minimising the environmental impact of their activities.

The TMA Group has carried out over 75 projects and collaborations in the university field with particularly relevant companies and official bodies in different sectors.

Role in the project

Research; Training; Tech. Development; Dissemination

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  <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

Organisation name: Agencia Andaluza del Conocimiento

Address: C\ Max Planck 3, Edificio Iris 1

Postcode: 41092

City: Seville

Country: Spain

Contact person: Leonor Camacho Cascajo

Telephone: 0034 955 00 74 45

Fax: 0034 955 05 82 01

E-mail: leonor.camacho@juntadeandalucia.es

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



**ASOCIACIÓN DE QUESEROS DE ANDALUCÍA
"QUESANDALUZ"**

Other organization(consulting,association,...)

*PROFILE from España
(15ES353)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

QUESANDALUZ, Cheesemarkers Association of Andalusia, a non-profit organization founded in 2007 brings together most of artisanal cheese industry, and currently has more than thirty partners. Our main objective is the enhancement of Andalusian artisanal cheesemaking heritage, backbone of the sector, promotion of dairy artisans and training of Andalusian artisanal dairy sector.

Enhancement of Andalusian artisanal cheesemaking heritage, we implement following activities:

Seal of Quality "Andalusian goat cheese": Given the common interest of producers and processors to defend and protect a product traditionally made in Andalusia, this distinctive quality is born, through which adhered to dairies specification may also enjoy Quality Certified mark, on the Andalusian recognizes products with guaranteed quality in production and processing. These badges are highly valued by the consumer and restaurateur as they are a symbol of guarantee. (See Section "Andalusian goat cheese with certified quality").

Implementation a System of Quality Improvement of goat milk production in herds in the QUESANDALUZ association and eligible shares of quality program implementation, technical advice, certification, as well as a study of market.

Dissemination of properties and benefits of Andalusian cheese through educational talks and cheese tastings hospitality schools, dietetics, tourism, professional associations, students will ... current restoration professionals in the future. Also in primary schools, including visits to some of the dairies, helping to spread the consumption of the product in the young. , ...). In 2009, 16 schools

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Andalusian hospitality (588 people), where technicians QUESANDALUZ association and promotional offered training talks about artisan cheese tastings Andalusian visited. 14 schools (523 children), where technicians gave a talk to the children, along with a visit to an artisanal cheese, in addition to see the facilities, each of which could produce a cheese were visited.

Collaboration and participation in cooperative projects or Lasos Project: Sustainable development in rural areas by supporting and nurturing small dairies or Peques Project: Platform for national advocacy of small dairies to government agencies. Among the actions implemented by Assoc PEQUESen 2009, highlighting the "energy dairies Study" aimed at optimizing the management of dairies. or Euroempleo: Experiences exchange Spanish cheesemakers to various European countries associated offering the opportunity to train and innovate with European cheesemakers with long tradition of cheese production. This project is funded by way of accommodation and travel expenses.

Technical Assistance to partners in the implementation and monitoring of the integrated management of dairies QUESECAM program. In 2009 were implanted in most dairies our partners.

Expertise offered (related to the topic)

QUESANSALUZ has over 35 members goat and sheep cheese producers. Each day they are producing huge amounts of serum, byproduct from milk highly polluting.

Productions of these serum are being atomized from 500 liters/day and 1.500 liters/day .

We offer a network of small dairies distributed throughout Andalusia, capable of providing this product for review and valuation in alternative systems to the purification thereof by conventional methods.

Previous FP experience

European Projects: "QUESANDALUZ Employment" (Euroemployment Programme)

National Cooperation Projects: "Lasos", "Peques"

Regional Cooperation Projects (11): "Heritage Andalusian cheese"

Biodiversity Foundation: "QUESANDALUZ green employment" (Green Employment)

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Organisation name: Agencia Andaluza del Conocimiento

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Country: Spain

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 <small>Business Support on Your Doorstep</small> 	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



GRUPO DE DESARROLLO RURAL VALLE DEL GUADALHORCE

Other organization(consulting,association,...)

*PROFILE from España
(15ES354)*

TOPIC OF INTEREST

TOPIC

WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

ORGANIZATION EXPERTISE

ENTITY PROFILE

Grupo de Desarrollo Rural Valle del Guadalhorce (GDR Valle del Guadalhorce) is a non-profit association with more than 500 partners (municipalities, associations, cooperatives, trade unions, companies and individual people). It is working about management and implementation of rural development grant programme (Proder, Leader, Feader...) in our territory (Valle del Guadalhorce-Málaga, Spain).

Beside, it has main areas working: sustainable development, economic, social and cultural revitalization, environmental awareness, information transparency and cooperation.

We working method is "Button-up" which is based on population's participation and social innovation, as it is considered that only by knowing the opinion of the inhabitants of the territory can work in sustainable rural development.

Our association is structured into working committees focused on the following aspects: Agriculture and Livestock; Training and Employment; Industry and Trade; Gender and Youth; Heritage and New Technologies

Expertise offered (related to the topic)

The most abundant waste our agricultural activity are serum (derived from cheese making), "alperujo" (derived from grinding olives), yard trimmings, remains of vegetables and fruits (derived from agricultural practice) and abattoir waste (derived activities meat processing).

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We understand the importance of valuing and incorporating the waste generated to make farming more sustainable and more profitable. Nowadays, we are initiating a study to develop effective bio-fertilizers and other useful products from these wastes.

We can offer our high expertise in organic production, skilled farmers, orchards and agricultural waste testing (serum, "alperujo", yard trimmings, remains of vegetables and fruits and abattoir waste).

We look forward to share experiences to export and import innovative ideas and knowledge to contribute to the maintenance of sustainable agriculture.

Previous FP experience

Relevant R&D projects:

Europe Projects: "Treat&Use" (Seventh Framework Programme), "Sustainability and Employment" (Euroemployment Programme), Agricultural Park (Euroemployment Programme), Erasmus+, Euromed, Youth in Action, Fénix Programme, Fénix+ Programme, Retos Programme, Retos2020 Programme.

National Cooperation Projects: "Igualar", "Lasos", "Camino Mozárabe".

Regional Cooperation Projects (11): "Network of Flight Spaces of Andalusia", "Heritage Andalusian cheese", "Andarural", "Agricultural landscapes linked to Water", "Enhancement of the Guadalhorce Valley orchards", "BirdAndalucía" ... etc.

Role in the project

Research; Training; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



AGRIFOOD CAMPUS OF INTERNATIONAL EXCELLENCE (CEIA3)

Other organization(consulting,association,...)

*PROFILE from Spain
(15ES355)*

TOPIC OF INTEREST

TOPIC

WATER-4b-2015 - Water management solutions for agricultural sector, thematic networks

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Agrifood Campus of International Excellence CeiA3 is a joint initiative between 5 universities of the south of Spain (Almeria, Cadiz, Huelva, Jaen and Cordoba as the university coordinator), the Andalusian Institute for Research and Training in Agriculture, Fisheries, Foods and Organic Production (IFAPA) and the Spanish National Research Council (CSIC).

CeiA3, one of the biggest Agrifood Campus of International Excellence of Spain, counts with 285 research groups specialized in agriculture and agrifood industry. These groups are divided into 16 thematic lines according to their affinity, from which 141 groups emerge with their own light, meeting excellence and scientific production criteria. Biodiversity and the Environment, Food Quality and Safety, Bioenergy, Rural and Agrifood Engineering, Plant and Animal Breeding and Health and Agricultural and Environmental Technologies are some of those thematic lines.

ceiA3 has a Delegation in Brussels with the purpose to enhance the competitive position of ceiA3 research groups by representing their interests before the European Commission.

Expertise offered (related to the topic)

CeiA3 main objective is to work to provide a response, through training, research and technology transfer, to the need for producing food in quantity, quality and variety, ensuring economic, social and environmental sustainability, facing the challenges proposed by FAO for 2025: to provide food for the world's population, in accordance with population growth.

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In addition, CeiA3 offers a wide range of studies related to agrifood industry, either grade or postgraduate. The International Doctorate School of CeiA3 has the most advanced programmes in which future researchers will be trained, as well as a highly qualified teaching staff with international recognition.

Finally, it is important to highlight that Ceia3 also cooperates with technology parks and innovative companies of the region with a clear view of their technological needs.

According to the topics, ceiA3 is very interested in taking part in the consortium for an EIP Thematic Network.

The International Project Office of ceiA3 enjoys a multidisciplinary team with extensive experience in transferring knowledge to the market and EU fundraising, as well as proposal drafting.

Previous FP experience

ceiA3 has experience in the participation on several projects concerning areas related to agrifood R&D of FP7 (KBBE, ENV, ENERGY, ICT). Moreover, ceiA3 has experience in other cooperation and academic calls for proposals: Erasmus+, Marie Curie, Interreg IVC, ERANET.

Role in the project

Research; Management; Dissemination; Demonstration

Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile

 **ECOFOR - FOREST ECOLOGY RESEARCH GROUP**
CASTILLA LA MANCHA UNIVERSITY

R&D Institution

PROFILE from SPAIN
(15ES356)

TOPIC OF INTEREST

TOPIC

SC5-7-2015: More effective ecosystem restoration in the EU

ORGANIZATION EXPERTISE

ENTITY PROFILE

Forest Ecology (ECOFOR) is a consolidated research group of the Universidad Castilla-La Mancha focused on design and testing more efficient tools and adaptive forestry practices to face uncertainties from new ecological scenarios related to global change, i.e. climate change, land use, land-use change and forestry, mainly in terrestrial Mediterranean-type ecosystems. The main topics of the research group have been focused in:

- Fire ecology.
- Post-fire restoration.
- Adaptive Forest management
- Resilience and vulnerability of forest plant communities
- Relationship between the plant-soil interphase.

We also developed projects related to sewage sludge reuse and water quality management.

The main R&D projects carried out by the research group are:

NATIONAL PROJECTS:

AGL2011-27747: Mediterranean forest management after fire and climate change: resilience and productivity at three different scales (FIREMED3L).

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Consolider CSD2008-00040: Spanish woodlands and global change: threats and opportunities (MONTES).

GL2008-03602/FOR: FIRESINK. Resiliencia de regenerados naturales y de repoblaciones de *Pinus halepensis* Mill. después de incendio en el SE de la Península Ibérica; Valoración del almacenaje de CO₂.

AGL2004-07506/FOR: Regeneration of *Pinus halepensis* Mill After large fires. Influence of different silvicultural treatments in reproductive dynamics and biodiversity of forest ecosystems.

FEDER-CICYT 1FD97-411: Management and restoration of burned forests in Castilla-La Mancha. Improvement of Nursery techniques for tree species reintroduction.

REGIONAL PROJECTS:

P01109-0096-3367: Anthropogenic influence on the development of Mediterranean xeric pine forests: sustainable forest management after fire and reforestation of Aleppo pine.

PBC-05-013-2: Assessment of carbon balance and water vapor fluxes in forest ecosystems of Castilla-La Mancha (ECOFLUJ).

PCC08-0109: Assessment of carbon balance and water vapor fluxes in forest ecosystems of Castilla-La Mancha (ECOFLUX II).

MEDFOR-ECOTRON facility.

Expertise offered (related to the topic)

In the 20 years of professional experience, the research group has contributed to the improvement and innovation regarding to ecosystem restoration after fire under a multidisciplinary approach. The research group has contributed to connect basic and applied research to forest management, helping in planning and adaptation decisions by stakeholders and administration forestry technicians.

One of the main potentials has been to implement early silvicultural treatments in regenerated forest after fire passage, including it in an adaptive forest management proposal. The effect of our work has been studied from different perspectives including several factors affecting the ecosystem response after disturbances, i.e. wildfire, droughts and silvicultural treatments.

The results have been widely disseminated, contributing to scientific papers, books, presentations in congresses and courses and divulgated to the general public. In addition, our research proposal has been included in innovation programs and funded activities, promoting synergies with international research and innovation programs and actions.

Previous FP experience

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 <small>Business Support on Your Doorstep</small>	European R&D projects - Agrofood Partnership Profiles Catalogue 2015 Sector Group Agrofood	
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COLLABORATION IN RESEARCH INTERNATIONAL NETWORKS&GROUPS

- Phoenix NET (FIRE Ecology and Post-fire Management) (Lisboa, Portugal)
- EFIMED (Mediterranean European Forest Institute), EUROPEAN FOREST INSTITUTE (Joensuu, Finland)
- ECOLOGY RESEARCH GROUP of CREAL (Centre de Recerca Ecologia e Aplicacions Ambientals), UNIVERSIDAD AUTONOMA DE BARCELONA (Bellaterra, Spain)
- FOREST FIRE RESEARCH GROUP of Università degli Studi della Basilicata (Potenza, Italy)
- FOREST ECOLOGY RESEARCH GROUP of INGERF (Institut National de Recherches en Génie Rural. Eaux et Forêts) (Tunis, Tunisia Republic)

INTERNATIONAL PROJECTS

- COST Action FP0701: Post-fire forest management in Southern Europe (Management Committee)
- ELIARE NETWORK SUDOE: International Cooperation Program SUDOE Interreg IVB: Establishing links to augment research in Europe with networks in sudoe (SOE1/P1/F169)
- Postdoctoral grant from the "José Castillejo" International Mobility Program: Developing tools for improving forest management in Mediterranean areas prone to fire in USDA Forest Service, Forest Fire Lab of Riverside, California (USA)

Role in the project

Research; Management; Dissemination

Network partner contact for this profile (Enterprise Europe Network)

EEN node: ACTIS

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 <p>enterprise europe network</p> <p><small>Business Support on Your Doorstep</small></p>  <p>AGROFOOD</p>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <p>HORIZON 2020</p>
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Partnership Profile



POLYTECHNIC INSTITUTE OF BRAGANÇA

R&D Institution

*PROFILE from Portugal
(15PT357)*

TOPIC OF INTEREST

TOPIC

BIOTEC 2 – 2015: New bioinformatics approaches in service of biotechnology

ORGANIZATION EXPERTISE

ENTITY PROFILE

CIMO aims at developing sustainable land use systems, improving endogenous research competencies, and linking research and stakeholders in order to promote sustainable development namely in mountain areas.

Objectives

- a) Valorisation of ecosystem services in mountain areas at the landscape and ecosystem levels within a global change framework
- b) Optimisation of agroecosystems efficiency based on the concept of low-input farming systems, management of organic matter and carbon, integrated pest management, and genetic improvement
- c) Valorisation of mountain products in terms of quality, safety, authentication and traceability of traditional and innovative food and other mountain products

CIMO is organized in three research groups: Marginal Land Ecosystem Services (MLES), Mountain Farming Systems (MFS), and Food Safety and Technology (FST). Major scientific areas are Agricultural and Forestry Sciences, Animal Science and Veterinarian Science, Environmental Sciences, and Bio-based Product Technology or Food Sciences.

CIMO works with numerous international partners in Brazil, Bulgaria, Egypt, Georgia, Germany, Greece, Romania, Russia, Serbia, Slovenia, Spain, Tunisia, UK, Ukraine, USA, as well as with Portuguese Universities and Research Centres.

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 <small>Business Support on Your Doorstep</small> 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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The Centre is currently comprised of 145 members, of which 45 are PhD integrated. They are specialists in a wide range of fields in life sciences, physical sciences, and social sciences. This diversity makes CIMO remarkably suited to deal with complex socio-economic-ecological mountain systems and to look for innovative and integrated solutions for these areas.

Results of research conducted at the Centre are published in international and national scientific journals and books, and are presented in scientific events. Technology transfer publications are also a priority for CIMO.

Ongoing national projects

- 21 projects under the PTDC (FCT), QREN, PRODER, and SIAC frameworks

Ongoing EU projects

- SIMWOOD (FP7; 2013-17)
- TRADEIT (FP7; 2013-17)

EU networks

- BioLink (COST; 2014-18)
- Endophytes in Biotechnology and Agriculture (COST; 2014-18)
- SUPER-B (COST; 2014-18)
- Vegetable Grafting to Improve Yield and Fruit Quality under Biotic and Abiotic Stress Conditions (COST; 2012-16)

Expertise offered (related to the topic)

Our research group focuses on

1- Computational Drug Discovery. Application of bioinformatics tools in the Medicinal Chemistry area (e.g., QSAR, molecular docking and molecular dynamics).

-Those tools have been applied in the rational design of new synthesized derivatives of thienopyridines and thienopyrimidines to be used as anti-angiogenic drugs, and to natural anti-cancer products derived from mushrooms.

2- High Performance Computing. Establishment and maintenance of Linux computer clusters to speed up the computational studies. Development of software tools and virtual pipelines to automate the drug discovery process.

Examples of developed softwares:

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- MOLA is a software for Virtual Screening using AutoDock4/Vina in a computer cluster using non-dedicated multi-platform computers. MOLA is integrated on a customized Live-CD GNU/LINUX operating system and is distributed as a MOLA.iso file.

- ChemT is an open-source software for building chemical compound libraries, based on a specific chemical template. The compound libraries generated can then be evaluated, using several Virtual Screening tools like molecular docking or QSAR modelling tools.

<http://www.esa.ipb.pt/biochemcore/index.php/ds>

Example projects:

New antitumor and antiangiogenic heterocyclic compounds: synthesis, molecular modeling, screening of enzymatic inhibition and studies in tumor and endothelial cell lines with tyrosine kinase membrane receptors as targets. FCT and COMPETE.

Metal-assisted synthesis and cyclisation of new biologically active and/or fluorescent aryl and heteroaryl amino acid derivatives. FCT .

Selected publications:

- Rui M.V. Abreu, Hugo J.C. Froufe, Maria João R.P. Queiroz, Isabel C.F.R. Ferreira*. MOLA: a bootable, self-configuring system for virtual screening using AutoDock4/Vina on computer clusters. Journal of Cheminformatics, 2010, 2, 10.

- Hugo J.C. Froufe, Rui M.V. Abreu, Isabel C.R.R. Ferreira*. Using molecular docking to investigate the anti-breast cancer activity of low molecular weight compounds present on wild mushrooms. SAR and QSAR Environmental Research, 2011, 22, 315-328.

- Rui M.V. Abreu*, Hugo J.C. Froufe, Pedro O.M. Daniel, Maria-João R.P. Queiroz, Isabel C.F.R. Ferreira. ChemT, an open-source software for building template-based chemical libraries. SAR and QSAR Environmental Research, 2011, 22, 603-610.

- Hugo J.C. Froufe, Rui M.V. Abreu, Isabel C.F.R. Ferreira*. QCAR models to predict wild mushrooms radical scavenging activity, reducing power and lipid peroxidation inhibition. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 192-196.

- Rui M.V. Abreu, Isabel C.F.R. Ferreira, Ricardo C. Calhelha, Raquel T. Lima, M. Helena Vasconcelos, Filomena Adegas, Raquel Chaves, Maria-João R.P. Queiroz*. Anti-hepatocellular carcinoma activity using human HepG2 cells and hepatotoxicity of 6-substituted methyl 3-aminothieno[3,2-b]pyridine-2-carboxylate derivatives: In vitro evaluation, cell cycle analysis and QSAR studies. European Journal of Medicinal Chemistry, 2011, 46, 5800-5806.

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- Hugo J.C. Froufe, Rui M.V. Abreu*, Isabel C.F.R. Ferreira*. Virtual screening of low molecular weight (LMW) mushrooms compounds as potential Mdm2 inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2012, 1-7
- Rui M.V. Abreu*, Hugo J.C. Froufe, Maria-João R.P. Queiroz, Isabel C.F.R. Ferreira. Selective flexibility of side-chain residues improves VEGFR-2 docking score using AutoDock Vina. *Chemical Biology & Drug Design*, 2012, 79, 530-534.
- Pedro Soares, Raquel Costa, Hugo J.C. Froufe, Ricardo C. Calhella, Daniela Peixoto, Isabel C.F.R. Ferreira, Rui M.V. Abreu, Raquel Soares, Maria-João R.P. Queiroz. 1-Aryl-3-[4-(thieno[3,2-d]pyrimidin-4-yloxy)phenyl]ureas as VEGFR-2 tyrosine kinase inhibitors: Synthesis, biological evaluation, and molecular modelling studies. *BioMed Research International*, 2013, 1-9. Article ID 154856, <http://dx.doi.org/10.1155/2013/154856>

Facilities:

Rack APC AR3300 (2009); UPS APC Symmetra PX 30kW (2010); HPC cluster, 2 cpu AMD Opteron 6128 - 8 Core 6128 2.0Ghz, 16 Gb RAM SCALA (2011); UPS 1200 W Mustek PowerMust (2012); Switch 16p SMC SMC6S16 (2011); 3D-LCD Monitor Asus VG236 (2011); Nvidia 3D Vision (2011).

4 Operating System Debian Wheezy (2012); Integrated Development Environment Eclipse Indigo (2012); Database Management System PostgreSQL 9.1.3 (2012); Application Server Glassfish 3.1.2 (2012); Modulation Software ArgoUML 0.34 (2012); 4 Office Suite LibreOffice 3.5.1 (2012); Project and Collaboration Management Redmine 1.3.2 (2012); Docking Tool Autodock4 4.2 (2012); Docking Tool Autodock Vina 1.1.2 (2012); Virtual Screening Tool Mola 1.0 (2012), Molecular Descriptors Tool Openbabel 2.3.1 (2012); Chemical Library Tool ChemT 1.0 (2012); Amber12 software (2013).

Previous FP experience

CIMO has a long track of experience in coordinating and participating in International and National projects. Some examples:

- SIMWOOD-Sustainable Innovative Mobilisation of Wood (FP7; 2013-17)
- TRADEIT: Traditional Food-Entrepreneurship, Innovation and Technology Transfer (FP7; 2013-17)
- Transnational Epidemiologic Program on Zoonosis Research (POCTEP; 2011-14)
- CONBI: Biodiversity and Conservation of Bivalves - Ecogeographic, genetic and physiological information (FCT; 2013-15)
- Eco-efficiency and the Eco-Management in the Agro-Industrial Sector (SIAC; 2011-14)
- Energy Efficiency in the Agro-Industrial Sector (SIAC; 2011-14)

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- IND_CHANGE-INDicator-based modelling tools to predict landscape CHANGE and to improve the application of social-ecological research in adaptive land management (FCT; 2013-15)
- Phytochemical traps for bee health control (FCT; 2013-15)
- Adaptation of Stevia (*Stevia rebaudiana*) and Spearmint (*Mentha spicata*) to local climate and crop management (PRODER; 2012-14)
- Deficit irrigation in olive trees in the "Terra Quente" region to optimize water resources, productivity, and olive oil quality (PRODER; 2012-14)
- Effects of soil management on productivity and sustainability vineyards of Douro region (GreenVitis) (PRODER; 2012-14)
- HiCC-Biological Control by Hypovirulence Against Chestnut Blight in Portugal (FCT; 2013-15)
- Isolation and selection of endophytic fungi from olive tree for the biological control of *Colletotrichum acutatum* and *Verticillium dahliae* (FCT; 2013-15)
- OlivaTMAD - Thematic Network on Information and Disclosure of Table Olives and Olive Oil Sectors in Trás-os-Montes and Alto Douro (PRODER; 2011-15)
- Olive crop protection in sustainable production under global climatic changes: linking ecological infrastructures to ecosystem functions (FCT; 2013-15)
- Strategic agricultural information network (PRODER; 2010-14)
- Development of new apiculture products in biological production mode (BPM)) (PRODER; 2011-15)
- Integral assessment of risk-based intervention strategies to improve the microbial safety of Portuguese traditional sausages (FCT; 2013-15)
- PlantLact: New functional dairy products without synthetic preservatives (PRODER; 2014-2015)
- "Serrana" goat selection based on casein profiles (PRODER; 2011-14)

Role in the project

Research; Training; Tech. Development; Dissemination; Demonstration; Other

Network partner contact for this profile (Enterprise Europe Network)

EEN node: PORTUGALINOVA NET

Organisation name: Agência de Inovação

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 <small>Business Support on Your Doorstep</small>  <small>AGROFOOD</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	 <small>HORIZON 2020</small>
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Partnership Profile



FUNDACIÓN CAJAMAR

R&D Institution

*PROFILE from ESPAÑA
(15ES358)*

TOPIC OF INTEREST

TOPIC

EE-13-2015 Technology for district heating and cooling

ORGANIZATION EXPERTISE

ENTITY PROFILE

The Station is dedicated to the research and development of new technologies, methods and products related to greenhouse vegetable production, and to mediterranean fruit production. In addition to developing improved farming practices, this centre is actively involved in the dissemination of these experimental results. Currently, the research lines of the Experimental Station are addressed to the harmonisation of economy and environment, maximising farmers' profits and maintaining the natural resources of the region. Relevant projects: Efficient use of inputs in protected horticulture, Smart tools for Prediction and Improvement of Crop Yield...

Expertise offered (related to the topic)

One of the most important lines of work of Cajamar Foundation is the determination of energy consumption in greenhouse systems to develop strategies to reduce the energy use. Incorporation, evaluation a development of renewable energy are targets of the an agruculture sonaible. The improvment of pasiv greenhouses by diffetent strategies are targets too. All of them need think in district to increase the efficiency of the system.

Previous FP experience

Cajamar Foundation has participated in the following UE projects related to the topic: Euphoros, Aquasol, Watergy

Role in the project

Research; Tech. Development; Dissemination

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 	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Network partner contact for this profile (Enterprise Europe Network)

EEN node: CESEAND

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 <small>Business Support on Your Doorstep</small>	<p><i>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</i></p> <p>Sector Group Agrofood</p>	
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Partnership Profile



RESEARCH GROUP: "APPLIED MICROBIOLOGY AND MOLECULAR GENETICS" (BIO219). UNIVERSITY OF CADIZ

R&D Institution

*PROFILE from Spain
(15ES359)*

TOPIC OF INTEREST

TOPIC

INT-01-2015: Enhancing and focusing research and innovation cooperation with the Union's key international partner countries - proposals targeting Australia, USA, Brazil, South Africa, Ukraine

ORGANIZATION EXPERTISE

ENTITY PROFILE

The group is composed by experts in genetics and microbiology and applies techniques of molecular genetics, genomics and proteomics to the authentication of food products and the production of sustainable food and nutrition security of several origins (aquaculture, agriculture and oenology).

Expertise offered (related to the topic)

Exploring Pathogenic Mechanisms of phytopathogenic fungi (*Botrytis cinerea* & *Colletotrichum acutatum*) by molecular biology and proteomic approaches: Applications to integral Management of fungal control diseases. Study and genomic characterization of wine yeast: wine production improvement

Previous FP experience

Projects

Design of formulations for the comprehensive control of fungal diseases in fruit and vegetable crops, vines and stored grape. Impact on the winemaking and aging processes of Jerez wines.

Improvement of the qualities of bread and wine through modification of the yeasts involved in the production processes.

Development of genetic allozyme and microsatellite molecular markers in the sole species *solea senegalensis*

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 <small>Business Support on Your Doorstep</small>	<p>European R&D projects - Agrofood Partnership Profiles Catalogue 2015</p> <p>Sector Group Agrofood</p>	
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Selective fungicides for the comprehensive control of botrytis infections in commercial crops

Inhibition of the biosynthesis of toxins involved in the infection mechanism of botrytis cinerea: molecular characterization of the mechanisms of pathogenicity. Application to the rational control of the phytopathogen.

Chemical and microbiological characterization of colletotrichum species involved in anthracnose in strawberries and grapes. Search for new models of fungicides.

Molecular characterization of enzymatic complexes related with toxin biosynthesis and their implication in botrytis cinerea pathogenicity. Application to the rational control of the phytopathogen.

Study of secondary metabolism in strains of the colletotrichum species involved in anthracnose in strawberries and grapes.

Search for new molecular targets involved in the infection mechanism of botrytis and colletotrichum. Proteome analysis and design of fungicides for the rational control of these phytopathogens.

Characterization of new molecular targets from botrytis cinerea and colletotrichum acutatum proteome and genome. Development of selective fungicides to control these phytopathogens.

Preparation of a preliminary chromosome map of the karyotype of the sole (solea senegalensis). Integration of physical and genetic mapping.

Transnational Web for Biotechnology in Aquaculture.

Transfer to Cupimar of the techniques for the determination of the effective population size in gilthead bream culture: assessment of genetic variability and consanguinity.

Use of molecular techniques for the characterization of strains involved in the production of biologically aged young wines (fino and manzanilla wines).

Determination of molecular markers for the identification of bullet tuna.

Use of immobilized microbial bioreactors in anaerobic degradation. Kinetic modeling of the behaviour of microbial biofilms

Genetic improvement of gilthead bream growth through marker-assisted selection (RFLPS in candidate genes).

Determination of sludge activity in urban wastewater treatment plants: application to process control.

Production of a human protein for therapeutical use in plant biofactories (Proteofactory).

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Creation of an Andalusia-Morocco Fishing Observatory for scientific and technical cooperation and information in the sphere of fishing and aquaculture.

Genome and cytogenetic characterization of the genes involved in the metamorphosis of the sole (*solea senegalensis* kaup).

Phytoprotectors and early detection of phytopathogenic fungal infections: development of resistance to botrytis and colletotrichum infection in agrifood crops.

Development and application of genetic, molecular and cellular markers to reproduction, sexual differentiation and phylogenetics: teleostei fish of the batrachoididae family as models.

Characterization and optimization of Andalusian wine, brandy and vinegar aging systems.

Genetic and biochemical characterization of the secondary metabolism of the botrytis cinerea fungus. Biosynthetic design of natural botrycides.

Biosynthetic design of natural botrycides. Genetic manipulation of the botrytis cinerea phytopathogen

Tools for a marker-assisted selection program in gilthead bream (*sparus aurata*). Search for QTLs and analysis of heritability for growth.

Use of molecular techniques for the characterization of strains involved in the production of wines aged under the biological system used for manzanilla.

Typification of alterations in gametes, larvae and juveniles through the study of molecular and genetic markers in hormone-therapy induced reproduction in Senegalese sole.

Role in the project

Research; Tech. Development

Network partner contact for this profile (Enterprise Europe Network)

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