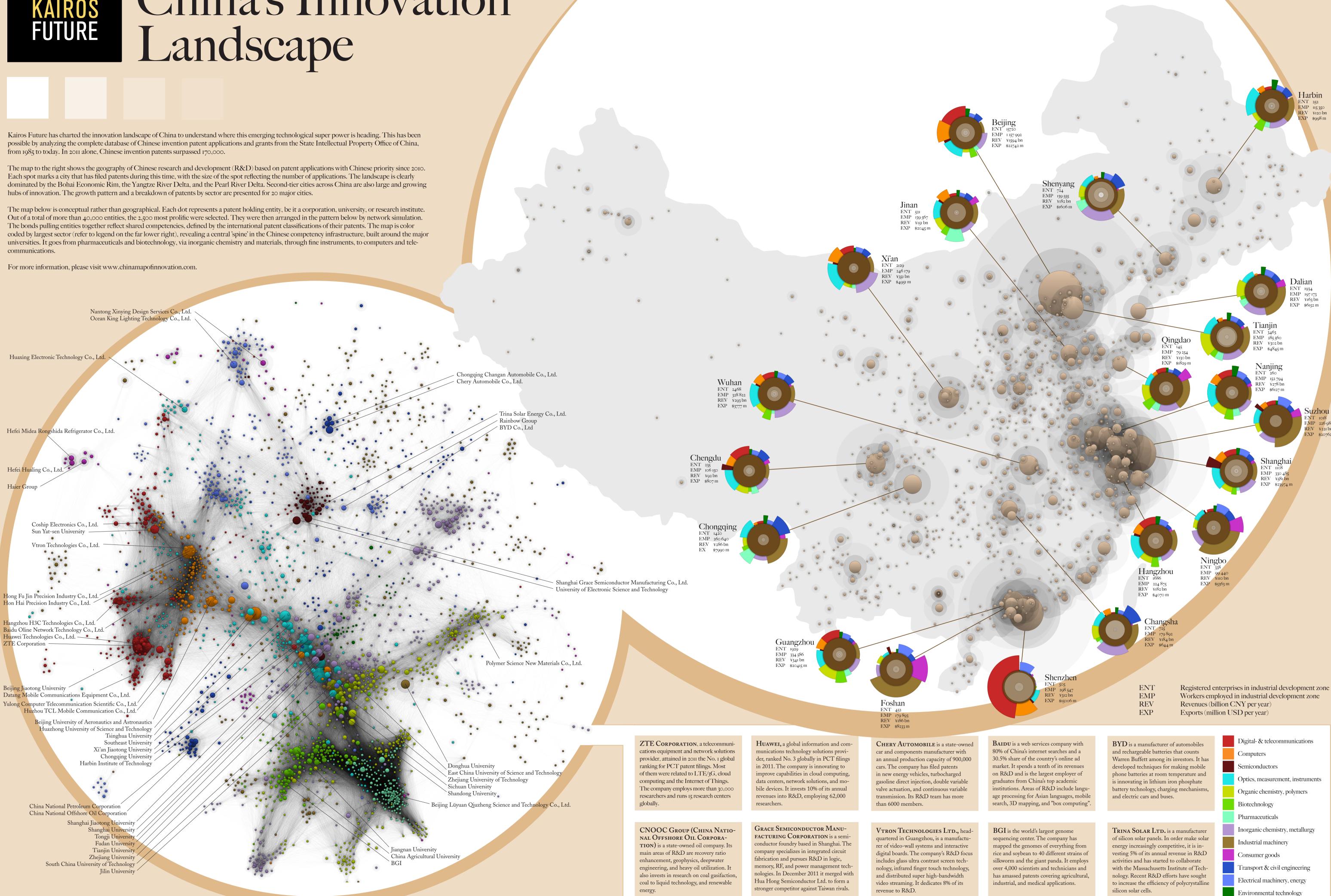
China's Innovation Landscape Kairos Future has charted the innovation landscape of China to understand where this emerging technological super power is heading. This has been possible by analyzing the complete database of Chinese invention patent applications and grants from the State Intellectual Property Office of China, from 1985 to today. In 2011 alone, Chinese invention patents surpassed 170,000. The map to the right shows the geography of Chinese research and development (R&D) based on patent applications with Chinese priority since 2010. Each spot marks a city that has filed patents during this time, with the size of the spot reflecting the number of applications. The landscape is clearly dominated by the Bohai Economic Rim, the Yangtze River Delta, and the Pearl River Delta. Second-tier cities across China are also large and growing hubs of innovation. The growth pattern and a breakdown of patents by sector are presented for 20 major cities. The map below is conceptual rather than geographical. Each dot represents a patent holding entity, be it a corporation, university, or research institute. Out of a total of more than 40,000 entities, the 2,500 most prolific were selected. They were then arranged in the pattern below by network simulation. The bonds pulling entities together reflect shared competencies, defined by the international patent classifications of their patents. The map is color coded by largest sector (refer to legend on the far lower right), revealing a central 'spine' in the Chinese competency infrastructure, built around the major universities. It goes from pharmaceuticals and biotechnology, via inorganic chemistry and materials, through fine instruments, to computers and telecommunications. For more information, please visit www.chinamapofinnovation.com. Nantong Xinying Design Services Co., Ltd. Ocean King Lighting Technology Co., Ltd.



1986 1989 1992 1995 1998 2001 2004 2007 2010