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粤港澳大湾区外商资本和科技创新研究报告

Report on Foreign Capital and Technological Innovation in Guangdong-Hong Kong-Macao Greater Bay Area

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Report on Foreign Capital and Technological Innovation in

Guangdong-Hong Kong-Macao Greater Bay Area

Abstract: Bay Area economy is an important growth pole of the world economy. Through many years' development the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) has become the most open areas and one of the most dynamic areas in China. This report is based on registered capital and patent data at the enterprise level, and analyses the situation of foreign capital in GBA and its effect on local scientific and technological innovation.

On 2019.2.18, Chinese government proposed the "Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area", clarified the strategic position, development goals and basic principles in this area. How to turn this area into the international technology and innovation center successfully is a key point to the GBA's future development.

Based on registered capital and patent data at the enterprise level, this report analyses the situation of foreign capital in GBA and its effect on local scientific and technological innovation. Patents reflect the technological innovation capability of a country or region. This report has selected three types of patent: inventions, utility models and designs. The main findings are including:

(1) Guangdong Province is one of the regions where foreign-invested enterprises are highly concentrated in mainland China. In Guangdong Province, foreign-funded enterprises are highly concentrated in 9 cities in the Pearl River Delta, and their degree of agglomeration shows an upward trend.

(2) Hong Kong is the main source of foreign investment in the Pearl River Delta region. Hong Kong's capital is increasingly inclined to invest in producer services in the Pearl River Delta region.

(3) The Pearl River Delta is the most innovative area in China. Patent applications accounted for 15% of the total in mainland China.

(4) Foreign-funded enterprises, especially those in Hong Kong, are an important driving force for scientific and technological innovation in the Pearl River Delta region. Among the three types of patents, foreign-funded enterprises have contributed nearly a quarter of the number of patents granted in the Pearl River Delta region, more than 80% of which come from Hong Kong capital.

(5) Patents for Hong Kong capital mostly come from producer services and high-end manufacturing. However, in recent years, the investment proportion of Hong Kong enterprises in high-end manufacturing industry in the Pearl River Delta region is relatively low, and shows a downward trend.

(6) Macau's capital contribution to patents in the Pearl River Delta region is relatively low, and its investment is mainly in productive services.

Bay Area economy is an important growth pole of the world economy. In the report "Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area" published by Chinese government, it came up with the proposal of "Guangzhou-Shenzhen-Hong Kong-Macao" science and technology innovation corridor construction. This report uses macro-data to discuss the related genes of capital, technology and innovation in the GBA, and makes the following suggestions for the collaboration of science and innovation in the Bay Area. Firstly, fully develop the joint efforts of scientific and technological innovation in Guangdong, Hong Kong and Macao. Secondly, more efforts should be made to tap the potential of foreign investment in knowledge spillover and technological innovation.

(If you are interested in the full report, you can scan the QR Code below and fill in the relevant information to obtain it.)

