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Content

A New Chapter of China-ASEAN STI Cooperation

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(Texts and pictures in this issue come from the official website of 6th Forum on China-ASEAN Technology Transfer and Collaborative Innovation.)

I. Review of the 15 years since establishment of China-ASEAN strategic partnership

1. In 2003, the two sides declared the establishment of a strategic partnership towards peace and prosperity at the 7th China-ASEAN Summit, which ushered in a new chapter of China-ASEAN friendly ties.

2. In 2004, the tax of more than 500 agricultural products was lowered thanks to the implementation of the FTA Early Harvest Program. *The Agreement on Trade in Goods of the Framework Agreement on Comprehensive Economic Cooperation* marked that the FTA entered into a phase of concrete development.

3. In 2009, *the Agreement on Trade in Services of the Framework Agreement on Comprehensive Economic Cooperation* was signed, which marked the completion of the main negotiations on FTA agreement.

4. In 2010, China-ASEAN FTA was established. More than 90% of the products from both sides enjoyed zero-tariff treatment. Bilateral trade volume approached 300 billion dollars.

5. In 2015, the outcome document of FTA agreement – *Protocol on Revision of the Framework Agreement on Comprehensive Economic Cooperation and Relevant Agreements* was signed.

6. In 2017, bilateral trade volume stood at 514.82 billion dollars.

7. 2018 marks the 15th anniversary of the founding of China-ASEAN strategic partnership, the China-ASEAN Expo and the China-ASEAN Business and Investment Summit.

Open cooperation has been furthered on all fronts. China has taken the lead to negotiate about and put in place China-ASEAN FTA. ASEAN represents a priority and crucial partner of Belt and Road international cooperation. China has been the largest trading partner of ASEAN for nine consecutive years and ASEAN the third largest of China for seven consecutive years. Two-way investment has reached a total of over 200 billion dollars. China has directly invested in over 4,000 ASEAN enterprises and hired more than 300,000 local people, which substantially facilitated local economic and social development.

People-to-people exchange has thrived. The two sides have successfully held thematic activities like years on science and technology, culture, ocean, education and tourism. This year witnessed the launch of China-ASEAN Year of Innovation. Last year, two-way personnel exchange exceeded 50 million and students dispatched mutually 200,000. China has set up six cultural centers, 33 Confucius Institutes and 35 Confucius Classrooms.

II. China-ASEAN Year of Innovation launched

On April 12 2018, to write a new chapter of China-ASEAN STI cooperation, China-ASEAN Year of Innovation & China-ASEAN Forum of Innovation was launched in Beijing.

Minister of Science and Technology Wang Zhigang remarked that the 2018 Year of Innovation represents an important agreement reached by Chinese and ASEAN leaders. Under the frameworks of China-ASEAN Joint Committee on S&T Cooperation, bilateral S&T cooperation mechanisms and S&T Partnership Program, the two sides have gradually put in place a cooperation model of S&T people-to-people exchange, joint research platform, technology transfer and science park cooperation, made fruitful outcomes and facilitated development of various industries and improvement of people's livelihood. He said that in the new era China stands ready to further match innovation development strategies with ASEAN countries, jointly implement Belt and Road STI Action Plan and S&T Partnership Program and contribute to the establishment of China-ASEAN community of common destiny with STI cooperation as the lead.

III. 6th Forum on China-ASEAN Technology Transfer and Collaborative Innovation launched

On September 11 2018, the 6th Forum on China-ASEAN Technology Transfer and Collaborative Innovation sponsored jointly by MOST and Guangxi government was held in Nanning. As an important part of the 15th China-ASEAN Expo, the forum consisted of various activities including hi-level forum, advanced technology exhibition and matchmaking event. Nearly 1,000 delegates attended the forum and related activities. They were Zhang Jianguo, Vice Minister of Science and Technology of China, Fei Zhirong, Vice Chairman of Guangxi Government, hi-level representatives from S&T authorities of Cambodia, Indonesia, Laos, Myanmar, Thailand, Philippines and Vietnam and representatives from enterprises, universities and research institutes of China and ASEAN.

Vice Minister Zhang Jianguo remarked that for further cooperation, both sides need to expand S&T people-to-people exchange and advance talent cultivation; strengthen S&T policy exchange and realize matching of development strategies; build up platforms of innovation cooperation and seek an environment of common development. China is more than willing to work with ASEAN in jointly implementing the Belt and Road STI Action Plan and S&T Partnership Program and establishing a greater community of innovation.

In the keynote speeches, the foreign sides briefed on S&T development of their own countries, summarized the experience and outcomes in conducting S&T cooperation with China and facilitating regional innovative development, raised new measures and initiatives and expressed the willingness to continue to hold activities like the Year of Innovation, match with China in terms of the Belt and Road Initiative and jointly work for regional STI development.

IV. 1st China-ASEAN Forum on Science Park STI Cooperation held

On September 11 2018, the 1st China-ASEAN Forum on Science Park STI Cooperation, an important activity under the 6th Forum on China-ASEAN Technology Transfer and Collaborative Innovation, was held in Nanning. Over 420 delegates attended the event. They were leaders from S&T authorities of China and ASEAN, representatives from bilateral technology transfer centers, S&T management departments and technology transfer agencies, managers from science parks, experts and scholars and delegates from enterprises, universities and research institutes.

1. Innovating on international industrial cooperation model

At the Belt and Road Forum for International Cooperation held in May 2017, President Xi Jinping proposed the Belt and Road STI Initiative, required the supporting and leading role of S&T cooperation for jointly developing the Belt and Road Initiative and supported science park cooperation and development in countries along the Belt and Road.

Wang An, President of China International Engineering Consulting Corporation and Member of Chinese Academy of Engineering, believed that cross-border industrial park cooperation represents an important approach to overseas investment and going global of enterprises and major innovation on the model of international industrial cooperation.

2. Sharing experience in developing parks

Over the 40 years since reform and opening-up, the parks with hi-tech zones as the representatives have made important contributions to economic development in China. In 2017, the GDP of 156 national hi-tech zones reached 9.52 trillion yuan and their export volume reached 3.45 trillion yuan. China has set up cross-border industrial parks in seven ASEAN countries.

Zhang Zhihong, Director General of Torch Center MOST said that he is willing to share experience in development of science parks and conduct science park cooperation with countries along the Belt and Road including ASEAN countries.

V. Exhibition on Advanced Technologies of 15th China-ASEAN Expo opened

From September 12 to 15, 2018, the Exhibition on Advanced Technologies of 15th China-ASEAN Expo was held in Nanning. The exhibition pooled from 173 Chinese and ASEAN enterprises and institutions 432 exhibits, a year-on-year increase of 23%. Among the exhibits, over 80% were real objects. They covered multiple areas of AI, smart city and advanced manufacturing. This was an exhibition with the largest number of projects and real exhibits in history.

1. JD Logistics - intelligent logistics

Online shopping has become a way of daily shopping for everybody. However, how to deliver goods to consumers efficiently and safely remains a question. To solve this problem, JD Logistics was founded. Unmanned warehouses, transfer robots, unmanned drones and unmanned vehicles all symbolize the era

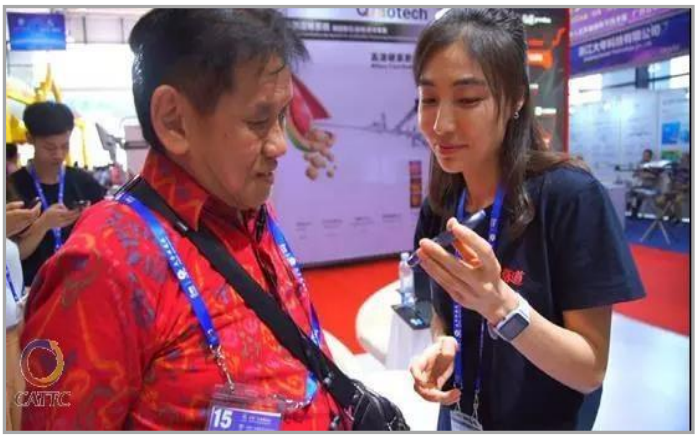
of intelligent logistics.

2. BGI - access to urban healthcare services for people in remote areas

As the only domestic company capable of mass production of clinical-level genetic sequencers, BGI will set up its ASEAN research institute as a gateway of Guangxi to ASEAN countries, so as to provide ASEAN people with its advanced technologies and equipment.

3. NETEASE Youdao - no language barriers in the world

Based on its self-developed offline translation technologies, the smart translation hardware of NETEASE Youdao supports offline audio translation of four languages including Chinese, English, Japanese and Korean and online translation of 43 languages. Moreover, one can also take pictures for translation. It enables offline translation of seven languages and online translation of 21 languages through taking pictures.



4. Huaiwei - ready for the 5G era?

5G, AR holographic phones, smart city, video cloud, smart manufacturing, smart parks, Huawei cloud and terminal products are ushering in a life of 5G and smart way of urban living.

5. Beetles Technology - smart technologies guarantees your security

Its facial recognition security technology is a technology of face swiping. Products based on this technology are security doors, gate machines and smart locks. In particular, apart from the facial recognition, the smart locks also enable recognition of fingerprints, finger veins, passwords and cards.