



## 亚欧科技创新合作中心

ASEM Cooperation Centre for  
Science Technology and Innovation



# BACKGROUND

To promote Asia–Europe development in science, technology and innovation, at the 10th ASEM Summit held in 2014, Chinese Premier Li Keqiang proposed the establishment of ASEM-Cooperation Center for Science, Technology and Innovation (ASEM-CCSTI) as a big platform for innovative development, and Li's proposal was written into the 2014 Chairman's Declaration.

For implementing the initiative, the first ASEM Seminar on Science, Technology & Innovation for Sustainable Development was held in April 2015, Beijing. After discussing Asia–Europe STI cooperation challenges and ASEM-CCSTI establishment proposal, the delegates from 26 ASEM member states agreed to establish ASEM-CCSTI in China and expressed the intention to build ASEM-CCSTI together.

In June 2015, the ASEM-CCSTI Secretariat was set up by and under Beijing Municipal Science and Technology Commission (BMSTC) as designated Chinese Ministry of Science and Technology (MOST) and Ministry of Foreign Affairs (MFA).



# PHILOSOPHY

Innovation-driven  
Development

Beyond Borders

Openness and  
Inclusiveness

Common Growth

# WHAT WE DO

## Building an international cooperation platform

### (1) Holding the ASEM Cooperation Forum on Science, Technology and Innovation

ASEM-CCSTI holds brand forums specific to fields and topics rotationally in major ASEM member states, including high-end seminars, project roadshows, project dockings, exhibition displays, and field visits, in order to offer a multi-level innovative resource docking platform.

### (2) Building an online information sharing platform

In June 2016, the website of ASEM-CCSTI was formally launched. Its major functions include the release of cutting-edge S&T dynamics and supply and demand information about S&T cooperation projects in Asia and Europe and the registration and promotion of brand activities.

## Promoting technology transfer between Asian and European countries

### (1) Framing the Asia-Europe technology transfer network

ASEM-CCSTI (a) establishes official contact with ASEM member states by deploying contact points in key countries to jointly promote STI cooperation and technology transfer between countries; (b) with the help of domestic and international leading S&T enterprises and institutions, sets up sector centers which drive S&T exchange and cooperation in advantageous fields and achieve orderly transfer of S&T cooperation results within Asia and Europe; (c) expands network channels for Asia-Europe collaboration and deepens partnerships with bilateral and multilateral platforms. In short, the Secretariat-centered technology transfer network has taken shape, comprised of contact points, sector centers and cooperation partners.

### (2) Creating the ecological environment for innovation and entrepreneurship

Industrial incubation bases are constructed and built into resource hubs, technological incubators and industrial carriers, serving for in-depth connection between innovators and effective technology transfer and conversion in Asia and Europe.



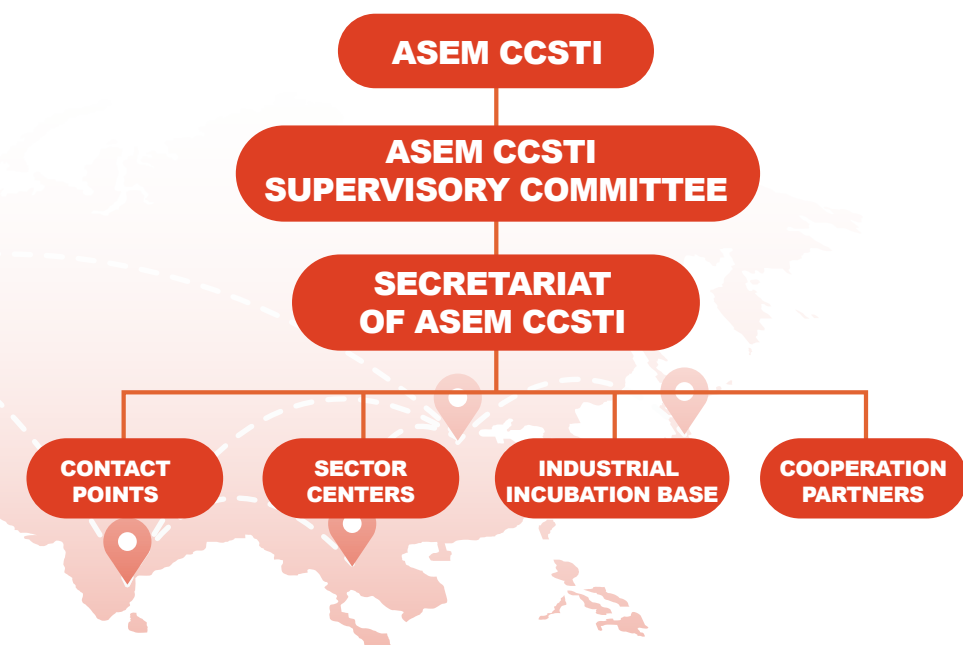
### (3) Advancing joint research and development of key technologies

Relying on such innovative subjects as enterprises, universities, and research institutions, ASEM-CCSTI advances pragmatic cooperation to implement technology research and development (R&D) projects and create laboratories and R&D centers.

### Promoting exchanges in science, technology and humanities

ASEM-CCSTI organizes S&T personnel visits and investigations to promote personnel exchanges, introduces the multi-mode, multi-level personnel training mechanism, and explores the joint funding system for S&T research personnel.

## ORGANIZATIONAL STRUCTURE



# WHAT WE HAVE ACHIEVED

## Brand activities

### (1) First Asia-Europe Seminar on Science, Technology & Innovation for Sustainable Development

The first Seminar took place in April 2015, Beijing. Based on the discussion on Asia-Europe STI cooperation challenges and ASEM-CCSTI establishment proposal, the delegates from 26 ASEM member states agreed to establish ASEM-CCSTI in China and expressed the intention to build ASEM-CCSTI together. The meeting summary clearly defined the basic working system as "secretariat plus regional coordination offices or contact points".

### (2) Second Asia-Europe Seminar on Science, Technology & Innovation for Sustainable Development

In October 2016, the second Seminar was held in Athens, Greece and attended by delegates of more than 90 ASEM member states, including China, European Union, Greece, Portugal, and Austria. The meeting announced the PRAXI Network to host the ASEM-CCSTI European Coordination Office, marking ASEM-CCSTI's official entry in Europe.

### (3) Third Asia-Europe Forum on Science, Technology and Innovation

The Third Asia-Europe Forum on Science, Technology and Innovation will be held in November 2017 at Beijing International Convention Center. It will encompass high-end seminars, project roadshows, project dockings, exhibition displays, and field visits in the fields of microsystem, intelligent manufacturing, third-generation semiconductor, laser application and precision medicine. Guests include MOST and MFA leaders, delegates of ASEM member states, and representatives of ASEM-CCSTI members and partners, as well as enterprises, universities, and research institutions at home and abroad.



# Collaboration network

## (1) Contact points

Europe Coordination Office, built with the help of PRAXI Network, leads the coordination of the local members to participate in ASEM-CCSTI's work. The current contact points include Città della Scienza in Italy and in Portugal Sociedade Portuguesa de Inovação (SPI). The ASEM-CCSTI Secretariat is also advancing the establishment of contact points in other member states. It has made contact and reach consensus with the relevant agencies of such ASEM member states as Slovenia, Germany, Finland, Russia, India, and Thailand.

## (2) Sector centers

ASEM-CCSTI has created the centers for microsystem, intelligent manufacturing, third-generation advanced semiconductor and laser application and plans to set up the center for precision medicine.

**The Microsystem Center** was co-founded by China

Electronics Technology Group Corporation and Interuniversity Microelectronics Centre (IMEC). Its main work includes holding the ASEM-CCSTI summit on microsystems, organizing technical exchanges and seminars on



microsystems, docking with government project and human resources and policy funds, extending advanced microsystem technological results, and driving industrial transformation and upgrading.

**The Intelligent Manufacturing Center** was co-found-

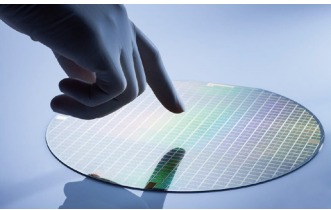
ed by universities, enterprises and research institutions, such as China Academy of Machinery Science and Technology, Fraunhofer Institute for Laser Technology, Technalia Research & Innovation, Technical Research Institute of Finland, and Korea Institute of Industrial Technology. Focusing on key industries and



strategic emerging industries in Asia and Europe, such as machinery, aviation, shipbuilding, and automobile, the center promotes Asia-Europe in-depth cooperation on intelligent manufacturing by identifying technical cooperation needs and organizing diverse result matchmaking conferences and forums.

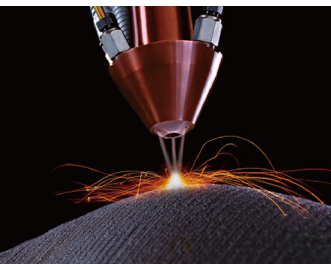


**The Advanced Semiconductor Center** was jointly founded by China Advanced Semiconductor Industry and Innovation Alliance, Delft University of Technology, Hong Kong Applied Science and Technology Research Institute, and Institute of Semiconductor of the Chinese Academy of Sciences (CAS). Its responsibilities



include tapping technical cooperation needs, organizing international technology docking and academic exchange activities, promoting in-depth innovative cooperation and technology transfer between innovative subjects, and introducing advanced and applicable technologies based on the third-generation semiconductor foundation.

**The Laser Application Center** was jointly founded by the CAS Institute of Optoelectronics, Fraunhofer Institute for Laser Technology, Institute of Applied Physics of the Russian Academy of Sciences, and Belarusian Laser and Information Technology Co., Ltd. Its responsibilities include building the laser application



information sharing platform, organizing in-depth international technical cooperation and academic exchange, creating the laser application foundation, and establishing the industrial financing platform.

### (3) Industrial incubation bases

Relying on well-grounded overseas incubators, ASEM-CCSTI has created industrial incubation bases. At present, the physical bases in five overseas partners, namely Finland, South Korea, Israel, Germany, and Russia, provide space carriers for demand-side conversion and supporting services from incubation to industrialization. For projects in these bases, the specific services include basic spatial services, business services covering one-stop registration, law, human resources, taxation and market, and value-added services, such as customized innovative activities and training programs, vertical accelerators and industrial access.

### (4) Cooperation partners

ASEM-CCSTI has actively fostered partnerships with state-level bilateral and multilateral technology transfer platforms, such as China-Italy Technology Transfer Center, China-ASEAN Technology Transfer Center, China-South Asia Technology Transfer Center, and Asia-Europe Water Resources Research and Development Center, and integrated conference and network platform mechanisms, such as China (Beijing) International Technology Transfer Conference (ITTC), International Technology Transfer Network (ITTN), and China International Technology Transfer Center (CITTC).



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## PARTNERS



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