

ASEM Collaboration Mechanism for Research, Development and Innovation in Water

Brussels, Belgium

15 May, 2018

Outline

1. Welcome to ASEM WATER

2. What We Have Done

3. Suggestions

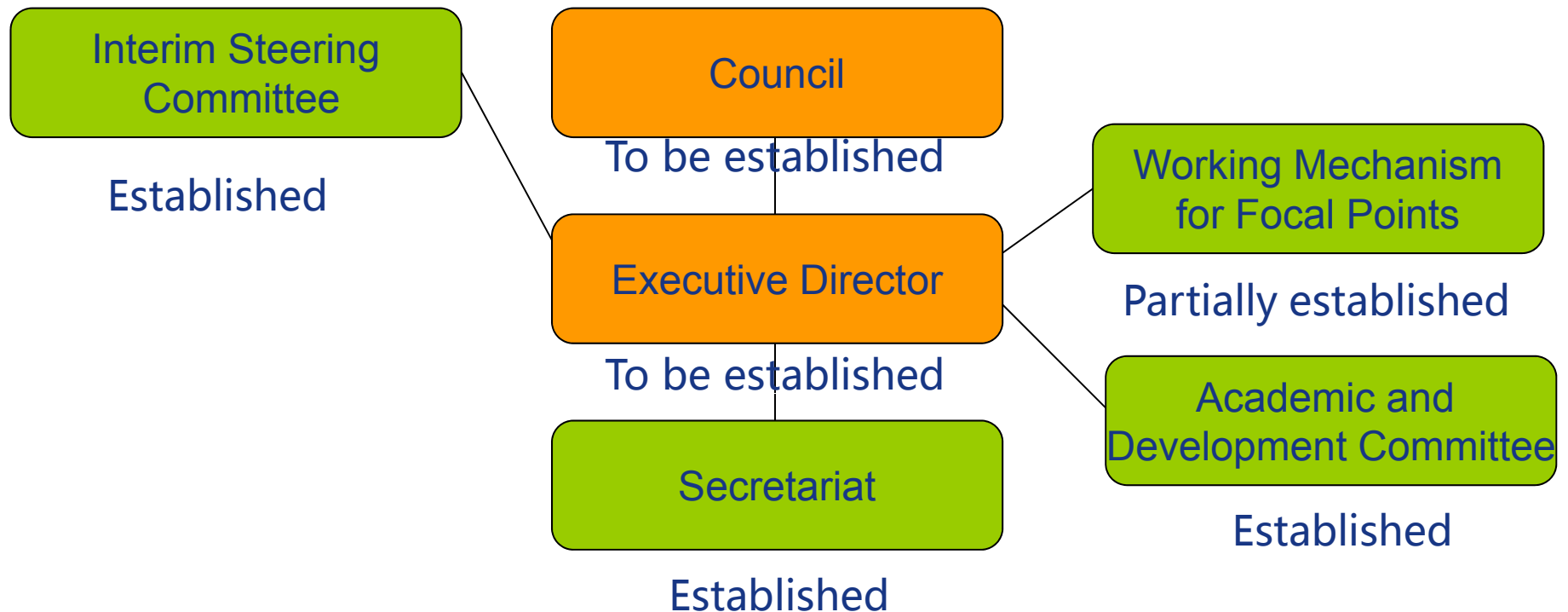
Session 1 Welcome to ASEMWater

ASEM Water Resources Research and Development Center

2010, in the 8th ASEM Summit, Chinese Premier Wen Jiabao proposed to establish an ASEM Water Resources Research and Development Center in Hunan Province, and it welcomed by the ASEM Leaders(Chairman Statement of 8th ASEM)

- 💧 A member of ASEM family
- 💧 Research and Development
- 💧 Science and Technology Cooperation
- 💧 Public and Non-profit
- 💧 International Organization in Water Resources

Framework of the ASEMWater



Session 2 What We Have Done

- 💧 **ASEM Networking**
- 💧 **Innovative Bases**
- 💧 **Multi-level Cooperative Mechanism**
- 💧 **Strengthen Joint Research**

1 ASEM Networking



- 54 Strategic Partners
- 80 Focal Points
- 400+ Experts



Public Service Platform online

The screenshot displays the website's public service platform. At the top, there is a navigation bar with links for 'Home', 'About Center', 'News Center', 'Policy and Consultation', 'Research and Innovation', 'Achievements and Conversion', 'Exchange and Training', 'Water and Civilization', 'Cooperation Relationship', and 'Publications'. A search bar is located in the top right corner. Below the navigation bar, a large banner features 'The 9th ASEM Summit' with a photo of leaders and a map of the region. A secondary navigation bar contains icons for 'Policy News', 'Organizations', 'Experts', 'Achievements', and 'Products and Services'. The main content area is a grid of service categories:

主题	沿海水域	地下水	湖泊	海洋水域	雨水和降水	河流	水稀缺、洪水、干旱等极端事件
	过渡性水区	湿地	气候变化	生态系统服务	湖泊学和淡水生态学	营养物质去除与恢复	
	资金支持	水资源一体化管理	法规与立法	公私合作	培训与能力建设	水治理	水定价
	饮用水供给	渔业与水产业	工业用水供给	灌溉与排水	航运	水循环与再利用	
	污水（处理与排放）	水与能源	生物处理	化学处理	过滤与分离	水文信息学	水文学
	仪器仪表、控制与自动化	建模	水化学				
地区	亚洲	欧洲	大洋洲				

Jointly facilitate the development of the database, including events, organizations, people, achievements, products & services

2 Innovative Bases

Water environment monitoring in deep lake

Aquatic ecology observation in big lake

National Engineering Technological Center of Heavy Metal Pollution Control

Joint Centre for Arid Region with Turpan Government, China

Hunan Provincial Dongting Lake Institute

Joint Centre for East Europe with ECSE,Romania



3 Multi-level Cooperative Mechanism



To Deepen capacity building, knowledge innovation and academic exchange

4 Facilitate Joint Research

4 National S&T Projects

1 National S&T Social Development Project

1 National Key Research Project

5 Hunan Provincial S&T Projects

US\$ 800+ and linked with 170+ and 18 ASEM members

Promote the Joint Research on priorities of IWRM, Sponge City Construction

Program	Participates	Partners	Period	Funding (RMB)
Pollutants Control of Dongjiang Lake	Hunan Academy of Environment, Hunan Agricultural University , HydroChina Zhongnan	Australia, Germany	2013-2016	3.6 million
Ecosystem Management of Dongting Lake	ASEMWater, ISA-CAS, Hunan Normal University	UK, Germany	2012-2015	7.8 million
Integrated Management of Dongting Lake Basin	CSUFT, ISA-CAS, Hunan Academy of Forestry	Japan, Australia, Singapore	2014-2017	16 million
ATIM-Hunan	ASEMWater, HAU, CIE-CN	France	2015-2018	2.3 million
Heavy Metal Pollution Control in Hunan	ASEMWater, Yonker Group, CSU, HAU	France, Australia	2016-2019	5.0 million

10+ international projects funded by ASEF, EU and MOST of China

💧 What we have done for the SMS enterprises

The European SMS enterprises entry the Chinese Market faces the following problems

The Maturity of Technology

The Practical Case in Chinese Market and local market

Qualifications for Project Implementation (Bidding)

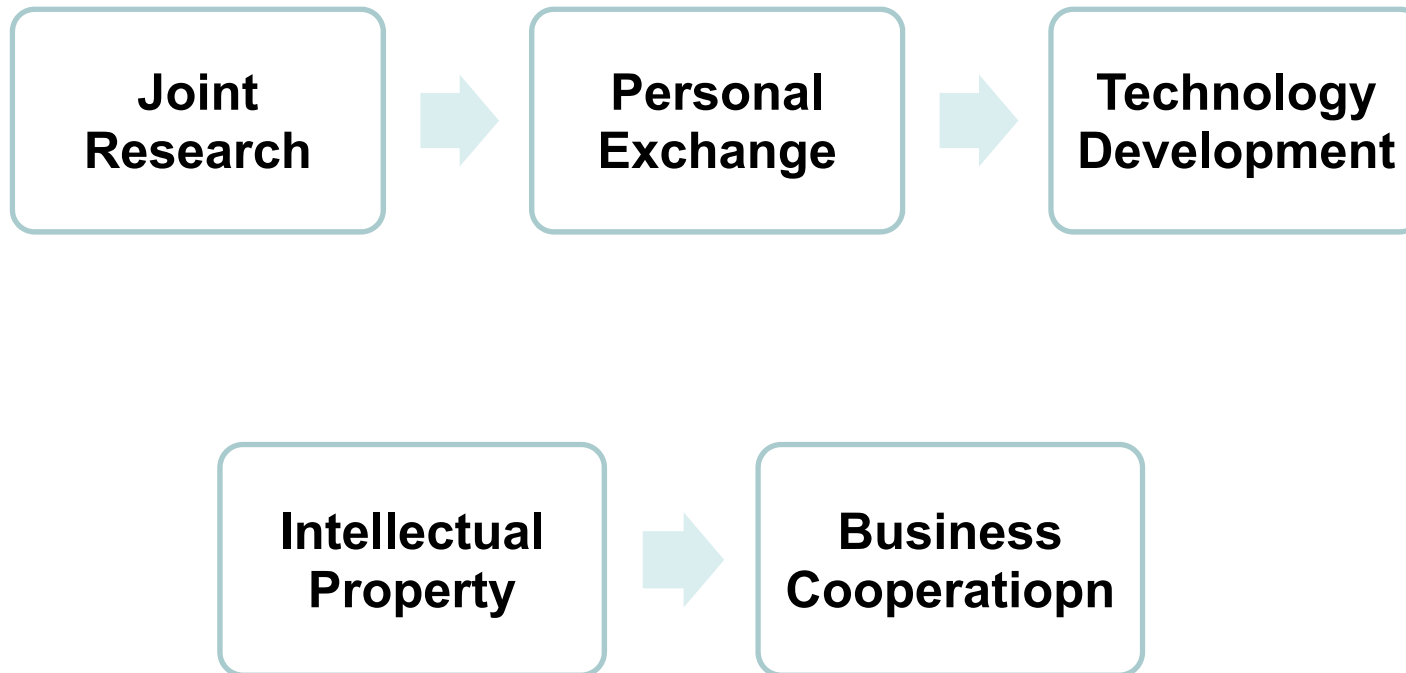
The Successful Case and Technology Transfer Experiences

China Market Competitive Intelligence Information

The Proper Third Party to Seek the Cooperation Partner

💧 What we have done for the SMS enterprises

Industry-Academia-Research-Application Mode



💧 What we have done for the SMS enterprise

In July, 2015, with the co-sponsorship from French and Chinese government, **ATIM-HUNAN project** was launched with **ASEM Water Resources Research and Development Center** and **Bureau de Recherches Géologiques et Minières** taking the lead, jointly undertaken by **French University of Tours, Opure Company, French En Forêt Secondary School**, as well as **Hunan Agricultural University, Central South University, Zhongye Changtian International Engineering Co., Ltd, etc.**

Ever since the project' s implementation, both sides have conducted communication and cooperation for multiple times in the aspect of exchanging scientific researchers, jointly researching and developing technology, and developing market etc. It has positively contributed to systematically solving the key and common technology difficulties of quantifying (in water bodies, source and transfer), and treating pollution of water and sediment by heavy metals, as well as deepening the sister relationship between Centre-Val de Loire de France and Hunan Province. This project was also awarded "Coopération Décentralisée Franco-Chinoise" in 2016.

- What we have done for the SMS enterprises

Advantages for the SMS enterprise to participate in the Project

- A Proper Third party to find the potential cooperate partner
- Adjusting the Maturity and Adaptability of Technology in the Chinese market
- Understand China Market Competition Information Intelligence
- Successful Technology Transfer Experience
- Best Publicity

Session 3 Suggestions

Suggestions:

1. Promote the achievements of the PIANO Project application in China, Submit the Conclusion files to Chinese Government(MOST and etc.)by ASEMWater

2. Establish a long-term,multi-parties participation multi-level cooperation mechanism,to co-build *ASEM Network for Science, Technology and Innovation Cooperation in Water Resources*, including

a expert database

a institution database

a technology database

a product database

a services database, including the policy, event and R&D project.

**The 3rd ASEM Seminar on Urban Water Management
-Urban Solutions for Global Challenges**

Date: 12-14 September 2018

Place: Budapest, Hungary

Sponsors

Asia-Europe Foundation

Ministry of Foreign Affairs and Trade, Hungary

Ministry of Foreign Affairs, China

Ministry of Science and Technology, China

Organizers

Hungarian Water Association

ASEM Water Resources Research and Development Center

Co-organizers

People' s Government of Hunan Province, China

Hungarian Water Cluster

European Water Association

Thank you for your attention!



Creating Partnership for Achieving
Water S&T Innovation!

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