

7th ASEM Sustainable Development Dialogue

Budapest,Hungary 11-12 September,2018



ASEM Collaboration Mechanism for Research, Development and Innovation in Water

Presented by

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Outline

- **1. Water Innovation Mechanism in EU and China**
- **2. Welcome to ASEMWATER**
- 3. What We Have Done
- 4. Challenges and Requests



Section 1 Innovation in Water Mechanism in EU and China

- 1. Joint Programming Initiative on water (JPI)
- 2. European Innovation Partnership on water (EIP)
- 3. Water Supply and Sanitation Technology Platform (WssTP)
- 4. European Water Association (EWA)
- 5. China-Europe Water Platform (CEWP)
- 6. Research Development and Innovation in China



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Innovation in Water Mechanism in EU and China

1 Synergism among JPI, EIP and WssTP					
Agency Perspectives	JPI	EIP	WssTP		
Feature	 End-User Involvement RDI Agenda & Activity Harmonization Supporting Leadership 	 Innovative Tool & Policy Seeking Innovation Dissemination 	 Innovative Methodology Innovative Technology Decision-Making 		
Difference	 RDI 2P (Public - Public) Action on Agenda Calls for Proposal 	 Innovation 3P (Public – Private - Public) Mix of Implementation Mechanism 	 R&D Platform Industry - Public Fundamental Research 		
Complementarity	 JPI: Innovation EIP: Policy & Tools · Independently Existed without Overlapping WssTP: Technology & Methodology 				
Similarity	 Affiliate to EU Share Key Stakeholders Among Industry, Research Group, Policy-Makers & Water-Users 				





Section 1 Innovation in Water Mechanism in EU and China

2

Sustainable Development – Paris Agreement

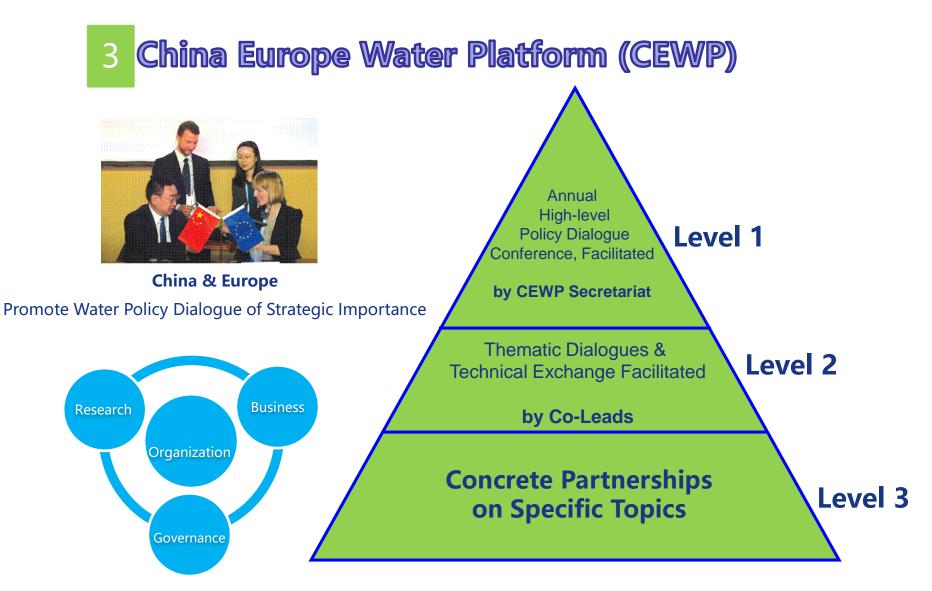


Target 6.3

By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and increasing recycling and safe reuse globally











4 Research Development and Innovation in China

RDI Investment on Water Governance by MOST



Session 2 Welcome to ASEMWater

ASEM Water Resources Research and Development Center

- A member of ASEM Family
- Research & Development
- Science & Technology Cooperation
- Public & Non-profit
- International Organization in Water Resources



Welcome to ASEMWater

CHAIR'S STATEMENT

Of the Eighth Asia – Europe Meeting

Brussels, 4-5 October 2010

"Greater well-being and more dignity for all citizens"

The Eighth Asia-Europe Meeting was hosted by Belgium in Brussels on 4 and 5 October 2010.
The meeting was attended by the Heads of

European countries, the President of the Commission and the Secretary-General of AS

 The overarching theme of the Summit was dignity for all citizens". The President of the

Asia-Europe Meeting

- A warm welcome was extended to Austra attended an ASEM Summit for the first time
- 4. Leaders realfirmed the strategic dialogue and cooperative veneor near and sample on nine usual of equal partnership, mutual respect and benefit. They noted with appreciation the results of the meetings of the Education Ministers, the Foreign Ministers, the Energy Ministers, the Transportation Ministers, the Finance Minister and the Culture Ministers held since the Seventh Auia–Europe Meeting and endorsed their recommendations.
- The meeting established common ground between Asia and Europe on topical issues of mutual interest to both regions as follows:

TOWARDS MORE EFFECTIVE GLOBAL ECONOMIC GOVERNANCE

 Leaders held a candid, open and fruitful discussion on the present global economic situation. They issued a separate Declaration reflecting their common views. 37. Leaders stressed the importance of sustainable forest and water resources management and the need to cooperate by exchanging scientific research and by pooling experiences and best practices. They requested their Ministers to conduct a concrete and result oriented dialogue on these issues in the early part of 2011. They recalled that the UN General Assembly proclaimed 2011 as the international Year of Porests. Leaders expressed their support for the UN Collaborative International Year of Porests. Leaders expressed their support for the UN Collaborative International Year of Porests. Leaders expressed their support for the UN Collaborative International Year of 10:100. They noted the contribution of the Forest Law Enforcement Governance and Trade Action Plan (IFLGT) of the European Union and of parallel Asian musculers, in cooperation with partners, in addressing illegal logging and minus international programmery in forestry operations. They noted China's indisave to establish an ASTM Water Resources Research and Development Center in Human Involve.

tember 2010, as a contribution to the International Year of Biodiversity. They urged the 10th

They noted China's initiative to establish an ASEM V Research and Development Center in Hunan

society in the design and implementation of environmental protection measures substantially contribute to changing people's attitudes and bringing about sustainable production and consumption patterns. They expressed their determination to encourage these as established features of their policies.

40. Leaders recognized the importance of promoting sustainable forms of production and consumption, among others through the promotion of a green, low-carbon economy. It is needed because of the limitations is available natural resources. It offers opportunities for it brings about new makets, new investments and creates new employment. Yet, It aliko ratises challenges as to the fair distribution of its costs and benefits. Leaders noted the objective samong ASEM patterns for developing carbon markets and hence, supported the objective of scaling up finance and investment through the development of the international carbon market. Leaders committed to intensify ASEM cooperation in railing awareness, in exchanging information and best practices, training experts in resource efficiency and in making

Strengthening S&T Ch Cooperation De on Water Management

Changsha Declaration FP6: Multi- Chang stakeholder Platform Propo for ASEM S&T Cooperation on Sustainable Water Use



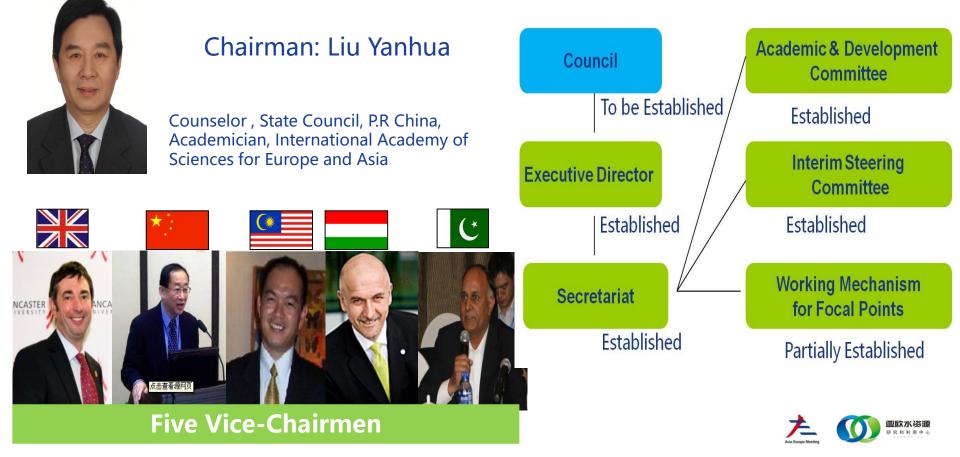


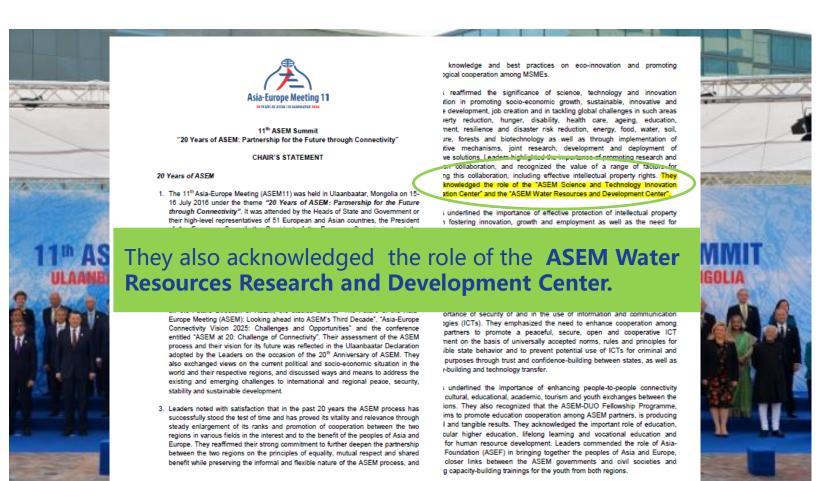


Framework of the ASEMWater

(25 members from 17 ASEM members)







In July 2016, the ASEM Summit 11 was held in Mongolia and progress of the ASEMWater was written in the *Chairs' Statement*

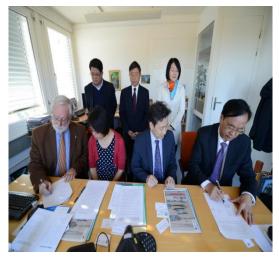


Session 3 What We Have Done

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



1 ASEM Networking





Strategic Partner **§ 58**

Focal Point **80+**





Expert & Scholar **400+**



Strategic Partner:



Focal Point:



Strengthen Talents Exchange



150+ Representatives Visit Mutually for Cooperative Partnership;



300+ Experts Visit Mutually for Academic Exchanges;

50+ Conferences in Water Security Industry for Technology Transfer





2 Innovative Bases



Aquatic Ecology Observation in Big Lake Lead Partner: HPAF, ASEMWater; Consortia Members: CEH, HU;



Water Environment Monitoring in Deep Lake Lead Partner: ASEMWater Consortia Members: CEH, LBERI,HU





National Engineering Technological Center of **Heavy Mental Pollution Control** Lead Partner: CSU, ASEMWater; Consortia Members: BRGM, HAU







Joint Centre for Arid Region with Turpan Government, China Joint Centre for East Europe with ECSE, Romania





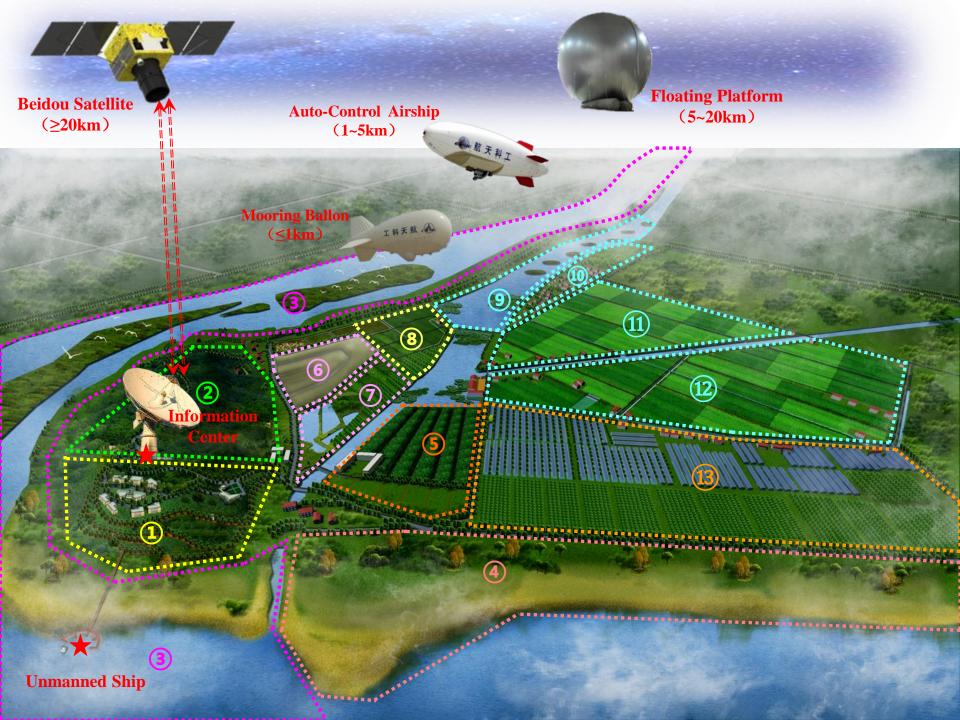




ASEMWATER Dongting Lake Eco-station

Space-Sky-Ground Information Network for Data Produce and Development







Platform: International Cooperation & Information Sharing



3 Multi-level Cooperative Mechanism





ASEM Seminar



11 International seminars served as a high-level platform for policy dialogues, information sharing, experience exchanges, project collaboration and pragmatic cooperation among ASEM members;



Training Workshops



6 International Training Workshops for Developing Countries with 154 trainees;

Increase Awareness in Primary & Middle School Cooperated with Japan & France;

Promote Knowledge Dissemination



Facilitate Joint Research





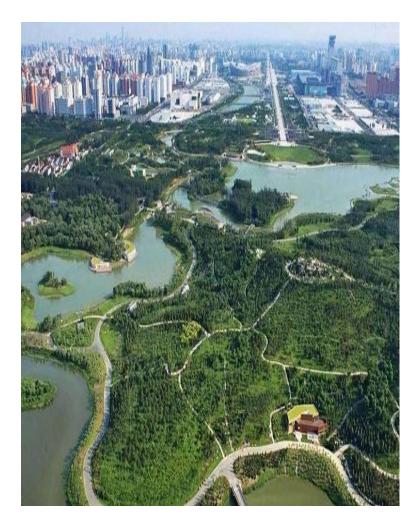
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WE RECOGNISE due foring the process of wheatastion, restands to so water measure therefold by given upper insolutions in and abate, advert delabilities, and employment. Despirition of others where reviews management and aquice surveisment shared bu singuted surmalable utilizations of we finded the subspirated have physical guarantees and assessment of the forther physical state of the relation state. Institute means, taken we assess reaching ones clean serveisment and approve philat bands. 10+ International Projects Funded by ASEF, EU & MOST of China; Asia-Europe Water Resources S&T Report;



Session 4 Challenges and Requests

Chinese Initiatives



Sponge City Promote the building of sponge cities and launch low-carbon pilot zones

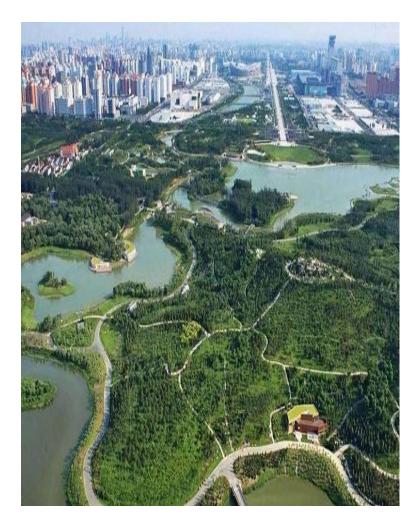
River Chief The appointment of local government heads as chiefs of the country's rivers and lakes

Integrated River Basin Management Coordinate conservation, water management and related resources



Session 4 Challenges and Requests

Chinese Initiatives



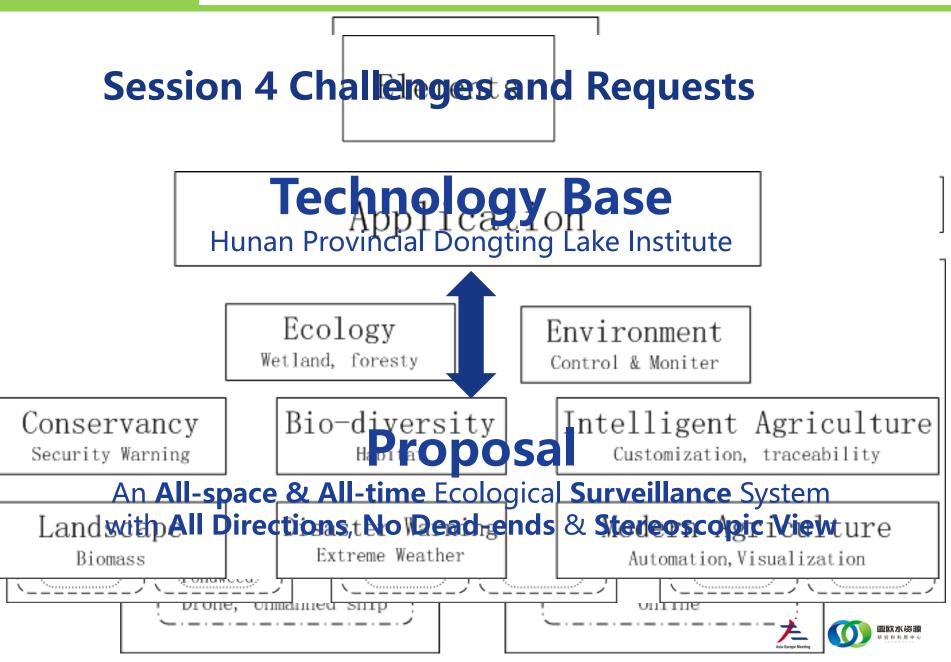
National S&T Program for Water Pollution Control and Treatment

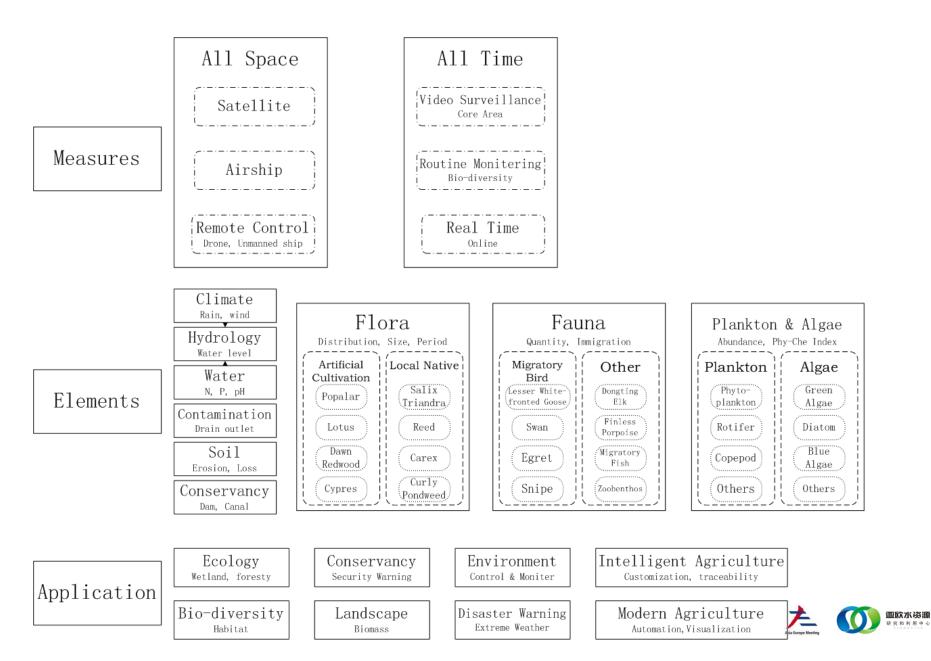
Belt and Road

Strategic Cooperation in the field of water resources between countries along the Belt and Road routes









Session 4 Challenges and Requests

Challenges:

- Strengthening the Capacity-Building & Services
- Promoting the Cooperation Between Governments
- Expanding Industry Cooperation
- Addressing Common Issues & Sharing Mutual Benefits

Requests:

 Supporting the establishment of ASEM Network for Science, Technology and Innovation Cooperation in Water Resources & Hunan Provincial Dongting
 Lake Institute to promote the collaboration including best practices and information sharing, policy recommendations, etc.





Creating Partnership for Achieving Water S&T Innovation!



The Secretariat of ASEMWater

for your attention!

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