



Future Cooperation in Research and Innovation with countries beyond Europe

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PERSPECTIVE FROM THE CHINESE EUROPE WATER PLATFORM

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Cooperation with China –

CHINA
EUROPE

Water Platform

www.cewp.org

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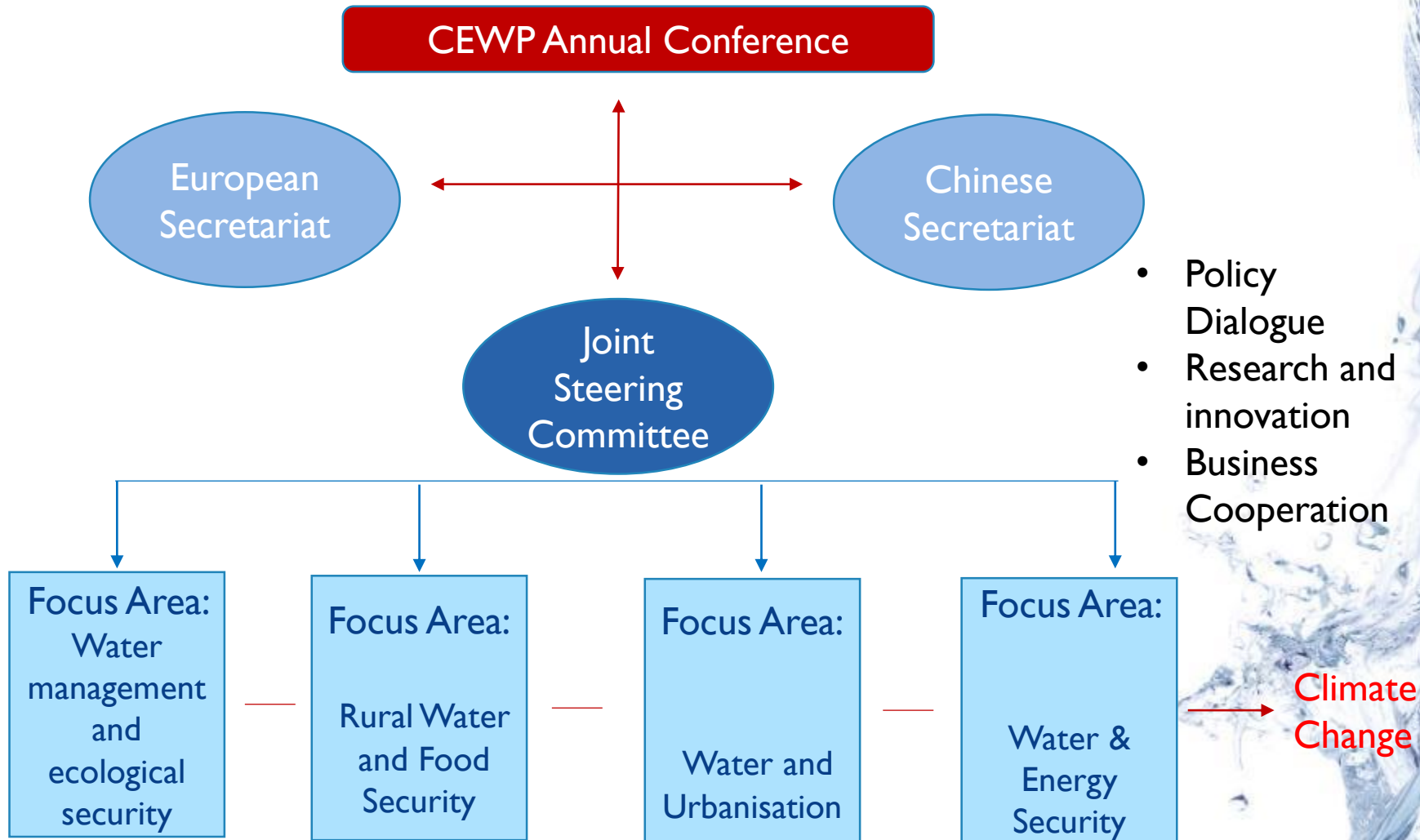
China Europe Water Platform

- ▶ Was established in 2012 in Marseille between the Danish Presidency of the EU and the Ministry of Water Resources of China – Joint Statement
- ▶ The objective of China Europe Water Platform (CEWP) is to promote water policy dialogues, collaborative research and business development based on mutual interests and joint funding.



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CEWP Structure



CEWP European Countries



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Finland – currently assumes the European secretariat

Portugal – will assume the secretariat between 2020 and 2021

Denmark, Netherlands, France, Sweden, Italy - lead of focus areas

Malta, Estonia, Spain, Austria and Hungary - participants in CEWP activities





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EU FUNDING

- ▶ Partnership Instrument support launched in June 2018 in Qingdao.
- ▶ Funding from the EU between 2018-2021: 6 Million Euros
- ▶ Managed by the EU Delegation in Beijing
- ▶ **Organized in 4 vertical Lots + 1 horizontal Lot**
 - ▶ Lot 1: Water management and ecological security
 - ▶ Lot 2: Rural Water and Food Security
 - ▶ Lot 3: Water and Urbanization
 - ▶ Lot 4: Water and Energy Security
 - ▶ Lot 5: Coordination, Support to the EU Secretariat, Business & Innovation, Cross-cutting issues (SDG, Circular economy, Source2Sea)



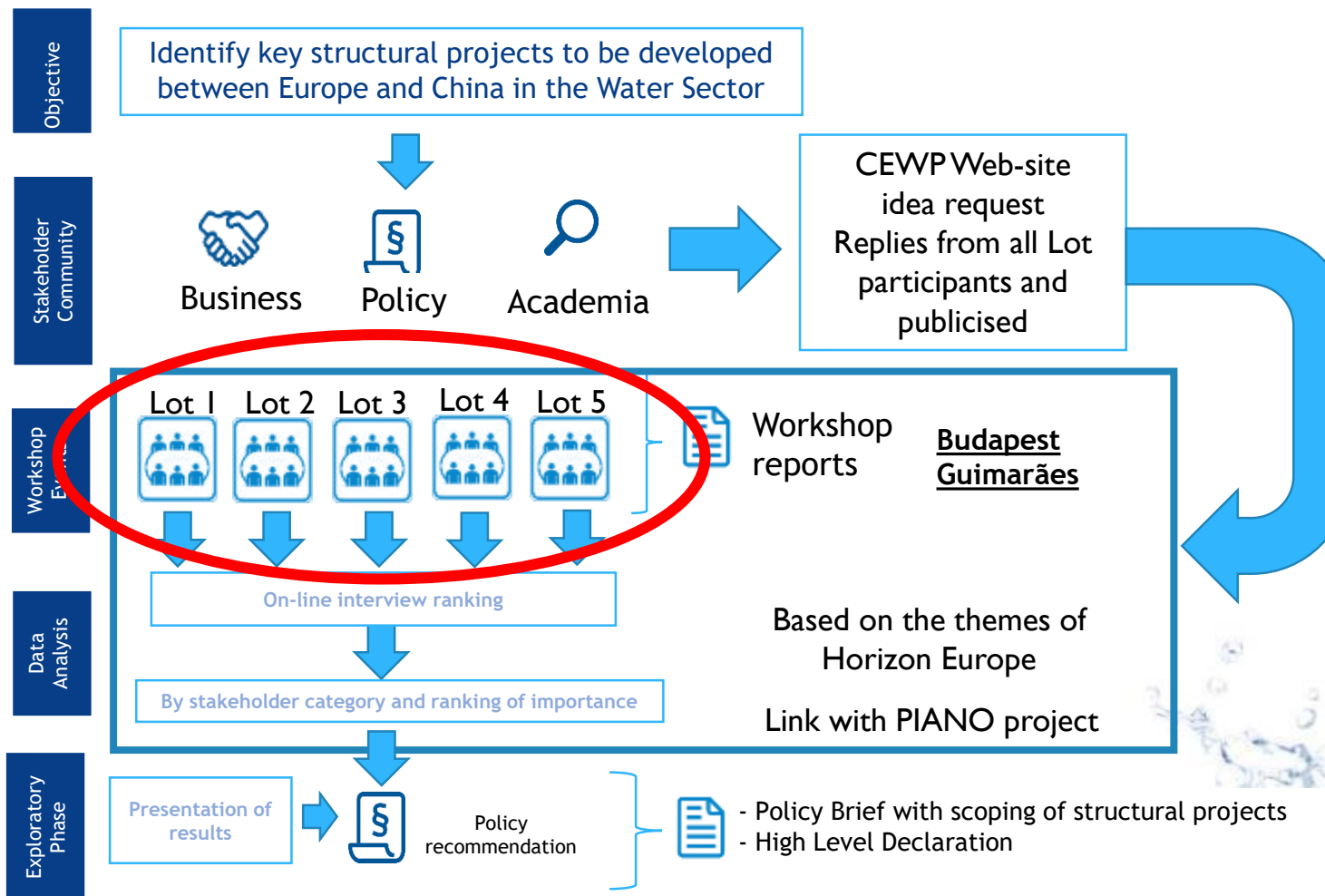
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Opportunities for cooperation with Water JPI

- ▶ Portugal will assume the secretariat of the Platform in 2020-2021
- ▶ One of our goals will be to strengthen cooperation with International Organizations and programmes
- ▶ Possibility for a joint action with Water JPI – contribution for definition of key priority areas of cooperation between Europe and China

CEWP methodology – priority areas of cooperation

Concept Overview



Budapest stakeholder workshop

- Held on 24th of April 2019, between 14h and 18h in Budapest, Hungary, Europe.
- The overall objective of the event was to identify potential EU-China water research structural projects.
- Over 35 experts from both China and Europe from 4 focus areas: Water Management and Ecological Security, Water and Energy, Water and Urbanisation, Water and Food Security

Budapest stakeholder Workshop

- ▶ Part I - Oral communication session of the Chinese and European funding mechanisms of science and technology potentially available to support R&D
- ▶ Part II - parallel workshop sessions in the 4 focus areas to identify potential EU-China water research flagship projects.
 - ▶ These parallel workshops then reported their main conclusions to the plenarium.

Budapest main findings

- ▶ The most frequently links between the project ideas and Horizon Europe program and global challenges indicated by all focus areas were:
 - ▶ Environmental observation;
 - ▶ Biodiversity and Natural Capital;
 - ▶ Sustainable management and efficient use of natural resources;
 - ▶ Business relevance.

Budapest main findings

- ▶ Other links to Horizon Europe global Challenges pointed out were (by order of relevance – number of times they were pointed by focus areas):
 - ▶ Digital and industry (Big data);
 - ▶ Seas and oceans;
 - ▶ Agriculture, forestry and rural areas;
 - ▶ Circular use of water resources;
 - ▶ Climate sciences and solutions;
 - ▶ Health.



Guimarães stakeholder Workshop

- ▶ Same Structure:
 - ▶ Part I - Oral communication session
 - ▶ Part II - parallel workshop sessions in the 4 focus areas to identify potential EU-China water research flagship projects.
 - ▶ Part III - conclusions presented to the plenarium

Guimarães stakeholder workshop

- Held on 8th of November 2019, between 14h and 18h in Guimarães, Portugal, Europe.



- Over 70 experts from both China and Europe from 4 focus areas: Water Management and Ecological Security, Water and Energy, Water and Urbanisation, Water and Food Security

Water Management and Ecological Security

- ▶ Innovative Monitoring of biological parameters - IoT
- ▶ Development of new comprehensive multiscale ecological status assessment criteria for waters
- ▶ Development of new modes of cost-effectiveness analysis of restoration or management systems including: 1) Management and control of blue green algae in lakes; 2) Restoration standards in rural areas; 3) NBS; 4) Ecological flow; 5) Watershed scale

Rural Water and Food Security

- ▶ Sustainable and digitalized manure management for mitigating water pollution
- ▶ Groundwater overexploitation as a consequence of increased water scarcity in a climate change context
- ▶ Managed Aquifer Recharge of reclaimed wastewater and storm water for saving and reuse of water for irrigation or drinking water
- ▶ Setting standards on regulation of water scarcity due to prolonged droughts caused by climate change

Water and Energy

- ▶ Understanding the balancing role of hydropower for accelerating clean energy transition
- ▶ Holistic and coordinated water- and marine environmental management from Source to Sea
- ▶ The strategic restoration, planning and assessment of for greening and upgrading of small hydropower
- ▶ Food-water-energy-ecosystem nexus and high quality development in the yellow river basin under climate change.
- ▶ Water saving and sustainable water consumption

Water and Urbanisation

- ▶ Efficient operation and maintenance of Sponge city systems (improved asset management)
 - ▶ Application of smart technologies for online monitoring as smart sensors and IOT (internet of things)
- ▶ 2. Possibilities for standardization and certification of sponge city systems.
 - ▶ Standards for evaluation of existing systems
 - ▶ Standards/certificates for different devices to improve decision making under planning stage.



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CEWP 2019 High Level Conference

- ▶ Took place in Guimaraes, on the 8th of November 2019 the 7th Conference of the High Level Dialogue of the CEWP
- ▶ **Guimaraes Declaration** express willingness to:
 - ▶ Push for the attainment of Agenda 2030 Water-Related Goals;
 - ▶ Promote High-Level Mutual visits and expert exchanges
 - ▶ Improve water governance policy
 - ▶ **Explore initiatives to enhance joint research**
 - ▶ Priority areas: water saving, smart water conservation, sustainable hydropower, ecological protection, source to sea management,

CEWP open call for Emerging Issues

- ▶ CEWP launches an open call to presentation of emerging issues to be supported under the Frame of CEWP Partnership Instrument – Horizontal Activities (Lot 5) to support activities of Cooperation Between Europe and China on Emerging Issues of mutual interest related to WATER.
- ▶ **Timing of the call:** from the 11th of November until the 11th of January
- ▶ **Eligible area of activities:** EU and China
- ▶ **Type of Support:** Maximum and minimum amount to be funded per activity: 2 500€ - 10 000€ (overall envelop of 20 000€).

Activities to be supported

- ▶ Desk studies
- ▶ Workshops and/or round table discussions
 - ▶ on emerging issues for new water policy issues which are of mutual interest for China and EU.
 - ▶ Funding can be given to recovery of costs related to venues, travels, international experts but not own costs for human resources.

Application process

- ▶ **Eligible Entities:** Public bodies, Public law bodies (bodies governed by public law) and private non-profit bodies from EU Member States. The involvement of Chinese partners is made through the European Institution presenting the application. Chinese institution involvement is mandatory.
- ▶ **Application process:** All interest parties from all EU Member States may present their questions or application by sending an e-mail with the template (in annex) to aimendes@uevora.pt.
- ▶ Further information at cewp.eu

Discussion / inputs / suggestions

