



**Universität für Bodenkultur Wien**

# **PIANO project: Policies, Innovation And Networks for enhancing Opportunities for China Europe water cooperation**

## **Summary PIANO approach**

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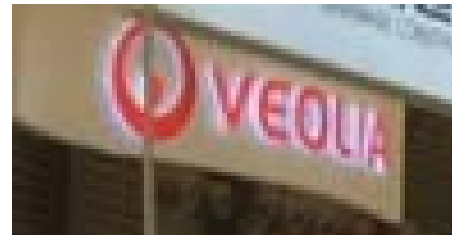
# Background

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- Create business and social opportunities for EU China Water Cooperation
- Existing EU companies with successful market access in Chinese water sector, both long lasting relations and “newcomers” and keen interest of EU MS in enhancing trade relations with China
- Recently strong drivers due to environmentally favourably policy changes in China “Declaration of War on Pollution”
- China Europe Water Platform as a major initiative that can help to “bundle” cooperation in the water sector between Europe and China
- PIANO aimed at supporting CEWP

# Impressions from IE Expo 2018

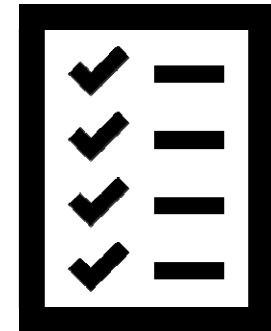


# Project Objectives

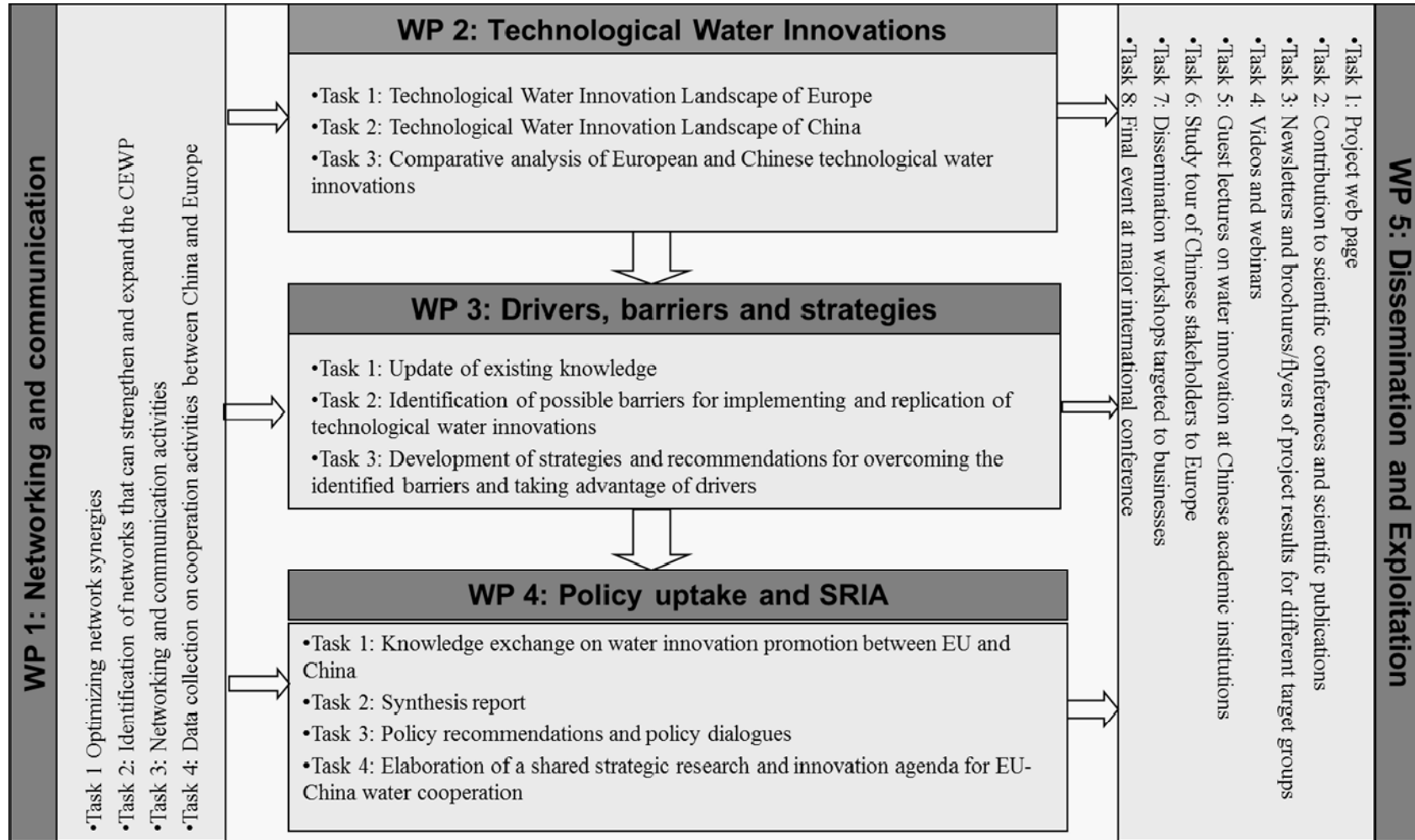
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- Strengthening and expanding the existing network of the China Europe Water Platform (CEWP) to cover all actors for water research and innovation relevant for China Europe water cooperation.
- Identification of European technological water innovations (TWIs) and areas for joint development of technological solutions that have a potential for implementation in China
- Identification of drivers and barriers, elaborating strategies for overcoming such barriers and taking advantage of drivers for implementation and replication of technological water innovations in China.
- Promotion of knowledge exchange and policy dialogue to build an enabling environment for the uptake of technological water innovations with a great potential for implementation, further replication and market uptake in China.
- Consolidation of a shared strategic research and innovation agenda (SRIA) between Europe and China in the water sector



# Overview



# EU partners



<b>Participant No *</b>	<b>Participant organisation name</b>	<b>Short name</b>	<b>Country</b>
1	University of Natural Resources and Life Sciences Vienna	BOKU	Austria
2	Technical University of Denmark	DTU	Denmark
3	International Office for Water	OIEAU	France
4	Italian National Institute for Environmental Protection and Research	ISPRA	Italy
5	National Laboratory for Civil Engineering	LNEC	Portugal
6	Stockholm International Water Institute	SIWI	Sweden
7	W.S. Atkins International Limited	ATKINS	UK
8	European Water Association	EWA	Germany (pan-European)
9	European Union Chamber of Commerce China	EUCCC	China



# Chinese partners



1	Chinese Secretariat of the China Europe Water Platform hosted by the Ministry of Water Resources	CEWP-MWR	Beijing
2	Foreign Economic Cooperation Office of the Ministry of Environmental Protection	FECO-MEP	Beijing
3	Development Research Centre of the Ministry of Water Resources	DRC-MWR	Beijing
4	Chinese Academy of Environmental Planning	CAEP	Beijing
5	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	RCEES - CAS	Beijing
6	China Institute of Water Resources and Hydropower Research, Ministry of Water Resources	IWRH - MWR	Beijing
7	Peking University, Center for Water Research	PKU-CWR	Beijing
8	Tongji University, College of Environmental Engineering and Science	TU-CEES	Shanghai
9	Wuhan University, School of Water Resources and Hydropower Engineering	WHU-MOST	Wuhan
10	Institute of Hydroecology, Ministry of Water Resources & Chinese Academy of Sciences	IHE-CAS	Wuhan
11	Institute of Soil and Water Conservation , Chinese Academy of Sciences	ISWC-CAS	Yangling
12	Center for Chinese Agricultural Policy, Chinese Academy of Sciences	CCAP- CAS	Beijing
13	University of the Chinese Academy of Sciences, Sino-Danish Center for Education and Research	UCAS-SDC	Beijing

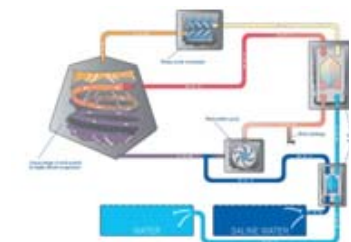
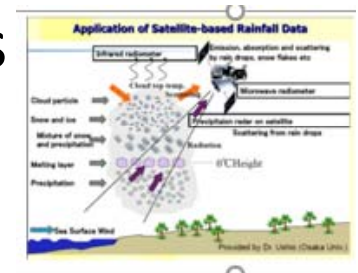




# WP 2: TWIs

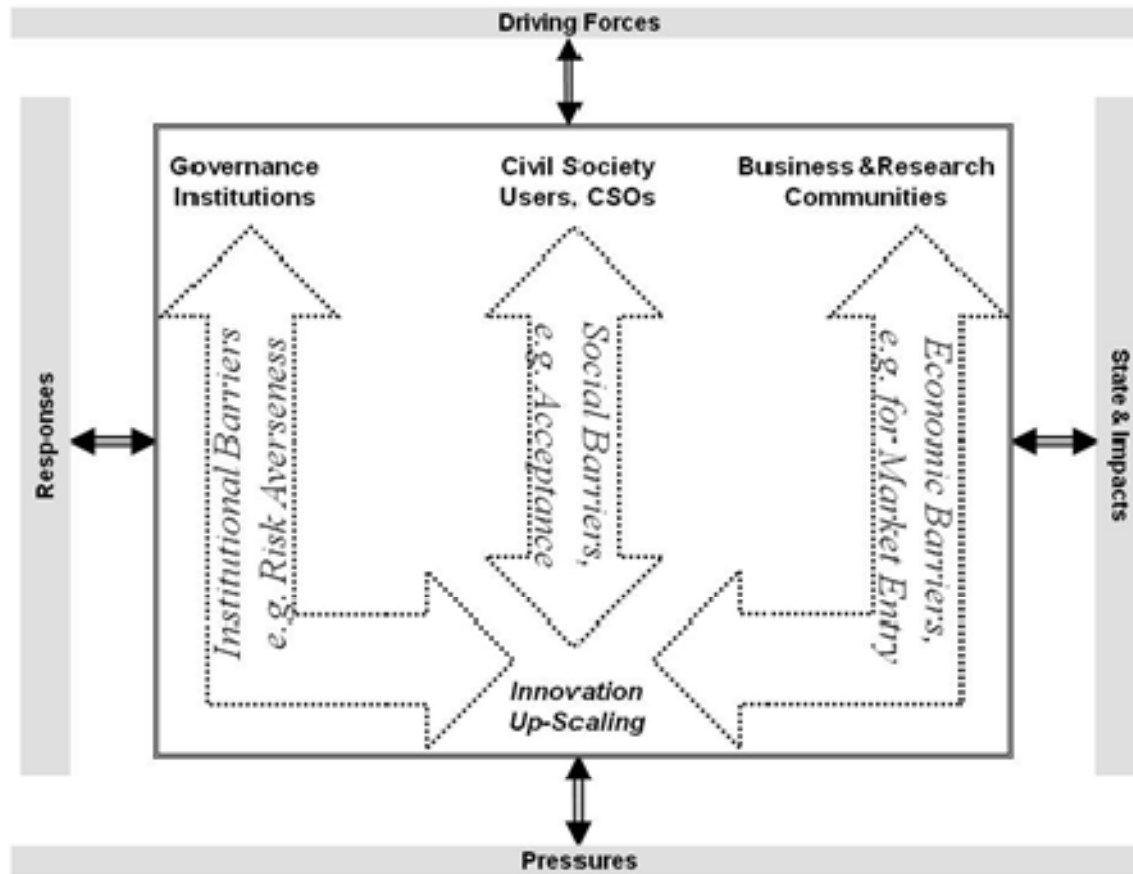


- Comprehensive survey and landscaping of TWIs in Europe and China across 5 sectors
  - Agricultural, municipal, industrial water sector
  - River basin management, water for energy
- Involving stakeholders in both EU and China
- Comparison of all TWIs and grouping into
  - Established technology solutions available both in EU and China
  - Established technology solutions available in EU, but not in China
  - **Similar innovative solutions available in both EU and China**
  - **Innovative solutions available in EU, but not in China**
  - Innovative solutions available in China, but not in EU





# WP 3: Drivers and barriers



# WP 3: Drivers and barriers



- Survey of major recent policy changes
- Learning from past experiences of European companies accessing the Chinese market (case studies)
- Survey and identification of major barriers, in particular for “newcomers” and “SMEs” building up on earlier work of **EUCCC and EU SME centre** in China.
- Elaboration of strategies of how to overcome barriers



# WP 4: Policy uptake and SRIA



- General survey and comparison of water innovation systems
  - Main topic of PhD at DTU
- Policy recommendations based on project results
- SRIA: Strategic Research and Innovation Agenda for Europe China water cooperation
  - Comparison of existing EU China water agendas
  - In cooperation with CEWP

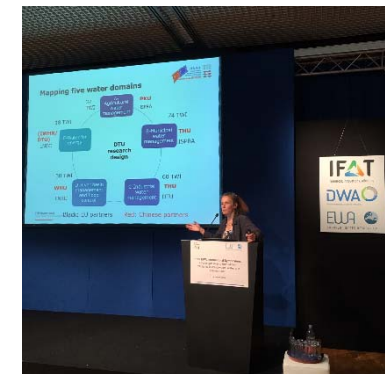




# WP 1 and 5: Communication and dissemination



8-9 November 2016	EWA Days	Brussels
29-30 November 2016	DRAGON STAR workshop	Ningbo
March 2017	presentation in UK at Isle Utilities Group event	London
26-28 April 2017	MWR DRC, CAEP meetings with EUCCC and EU SME Centre	Beijing
2 May 2017	MEP FECO 3 IPET	Beijing
3-4 May 2017	CEWP Joint Steering Committee	Evora
4-6 May 2017	networking activities with IE Expo participating companies	Shanghai
10 May 2017	presentation at bilateral meeting of the TWEES project	Tongzhou
26 May 2017	visit tour to ISPRA of Chinese researchers of Tianjin	Rome
14-15 June 2017	Water Innovation Europe	Brussels
27-29 June 2017	International Water Congress	Qingdao
10 July 2017	presentation to the UK Water Partnership	London
30 August 2017	PIANO side event at WWW	Stockholm
21 September 2017	presentation at CEWP Annual high level conference	Turku
26 September 2017	side event during the EIP Water annual conference	Porto
6 November 2017	presentation of the PIANO SRIA at EWA annual conference	Brussels
13-16 November 2017	presentation at IWA congress	Buenos Aires
22 November 2017	guest lecture at Nottingham Ningbo University	Ningbo
16 January 2018	poster at Water International Summit	Abu-Dhabi
12 February 2018	presentation to teams involved in the Thames water 2100 plan	London
7-9 March 2018	paper and presentation at the 14th Portuguese Water Congress	Evora
13 March 2018	meeting with CEWP representatives to discuss the PIANO SRIA	Stockholm
27 March 2018	meeting with Chinese partners and EU SMEs at EUCCC	Beijing
11 April 2018	presentation of the PIANO SRIA at CEWP meeting	Paris
25 April 2018	Industry workshop on market of sludge treatment in China	Beijing
4 May 2018	PIANO event at IFAT- IE EXPO	Shanghai
15 May 2018	Presentation of the project results	Brussels



# Acknowledgements

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