

16 th WG F meeting - Rome 9-10 October 2014

RESEARCH ACTIVITIES ON WATER



ISPRA
Istituto Superiore per la Protezione
e la Ricerca Ambientale

Giuseppina Monacelli
Italian National Institute for Environmental Research and Protection

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The EIP Water aims to

- speed up development of water innovation
- contribute to sustainable growth
- stimulate uptake of water innovations by market and society



Water challenges for a changing world

Water JPI aiming to tackle the ambitious challenge of "Achieving Sustainable Water Systems for a Sustainable Economy in Europe and Abroad".

Horizon 2020 Societal Challenge 5

"Climate Action, Environment, resource Efficiency and Raw Materials"
(Climate Action)

WATER 3 2014/2015 Calls:

Stepping up EU research and innovation cooperation in the water area

These calls will support RDI for the implementation of EU water policy and, in particular, in 2014 for water distribution and measurement, waste water treatment and reuse, desalination, floods and droughts; in 2015 for sustainable water use in agriculture, to increase water use efficiency and reduce soil and water pollution.

H2020-SC5



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Working Groups

25 Action Groups active:

their partners develop, test, scale up, disseminate and stimulate the uptake of innovations by the market and society for major water-related challenges.

An EIP Water Action Group is formalized via Calls for Expression of Commitment and a short evaluation phase of proposals considering EIP Water's eight priority areas.

The EIP Water **Task Force** is composed of 45 stakeholder representatives and supports the Steering Group with technical advice and expertise.

EIP Water is led by a **Steering Group** consisting of 27 high-level representatives of relevant stakeholder groups and spanning both the demand and supply sides of innovation

Expert groups, comprising of co-opted experts, can be created by the Task Force to provide the necessary background analysis and input for decision-making.

An “**Industry Expert Group on Barriers to Innovation**” is currently supporting the activities of EIP Water.

EIP Water Conference 2014
Connecting Innovation Demand and Supply

EIP Water Conference 2014:

5-6 November in Barcelona



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Water focus in H2020-SC5

Water Innovation: Boosting its value for Europe

H2020 WATER-2014/2015

Several policy objectives including those set out in the *Europe 2020 Resource efficient Europe Roadmap* for water:

- impacts of **droughts and floods** should be minimised
- **alternative water supply options** are only relied upon when all water saving and water efficiency measure are taken and other options exhausted
- water extraction should remain **below 20% of available renewable water resources**
- Specific actions to respond to relevant needs identified in the **European Innovation Partnerships (EIP) 'Water'** and to research gaps identified through the **WFD Common Implementation Strategy/Science-Policy activity (CIS-SPI)** as well as through relevant **European Technology Platforms**

H2020-Water

WATER-1-2014/2015: Bridging the gap: from innovative water solutions to market Replication

WATER-2-2014/2015: Integrated approaches to water and climate change

WATER-3-2014/2015: Stepping up EU research and innovation cooperation in the water area

WATER-4-2014/2015: Harnessing EU water research and innovation results for industry, agriculture, policy makers and citizens

WATER-5-2014/2015: Strengthening international R&I cooperation in the field of Water



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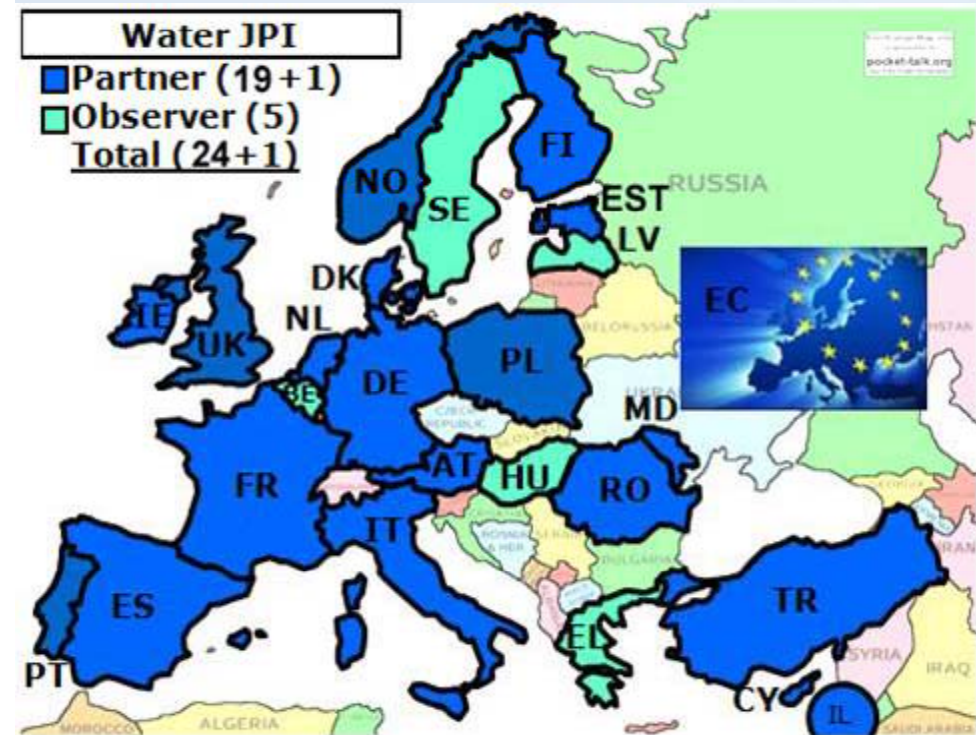
The **WATER JPI** emerges from the cooperation of the RDI programmes of **19 partner countries** and **5 observers**

www.waterjpi.eu

The Water JPI contributes to the coordination of National and Regional RDI programmes.

5 RDI themes following the vision document of the **WATER JPI**:

1. Maintaining Ecosystem sustainability
2. Developing safe water system for the citizens
3. Promoting competitiveness in the water industry
4. Implementing a water-wise bio-based economy
5. Reconciling the supply and demand for water quality and quantity



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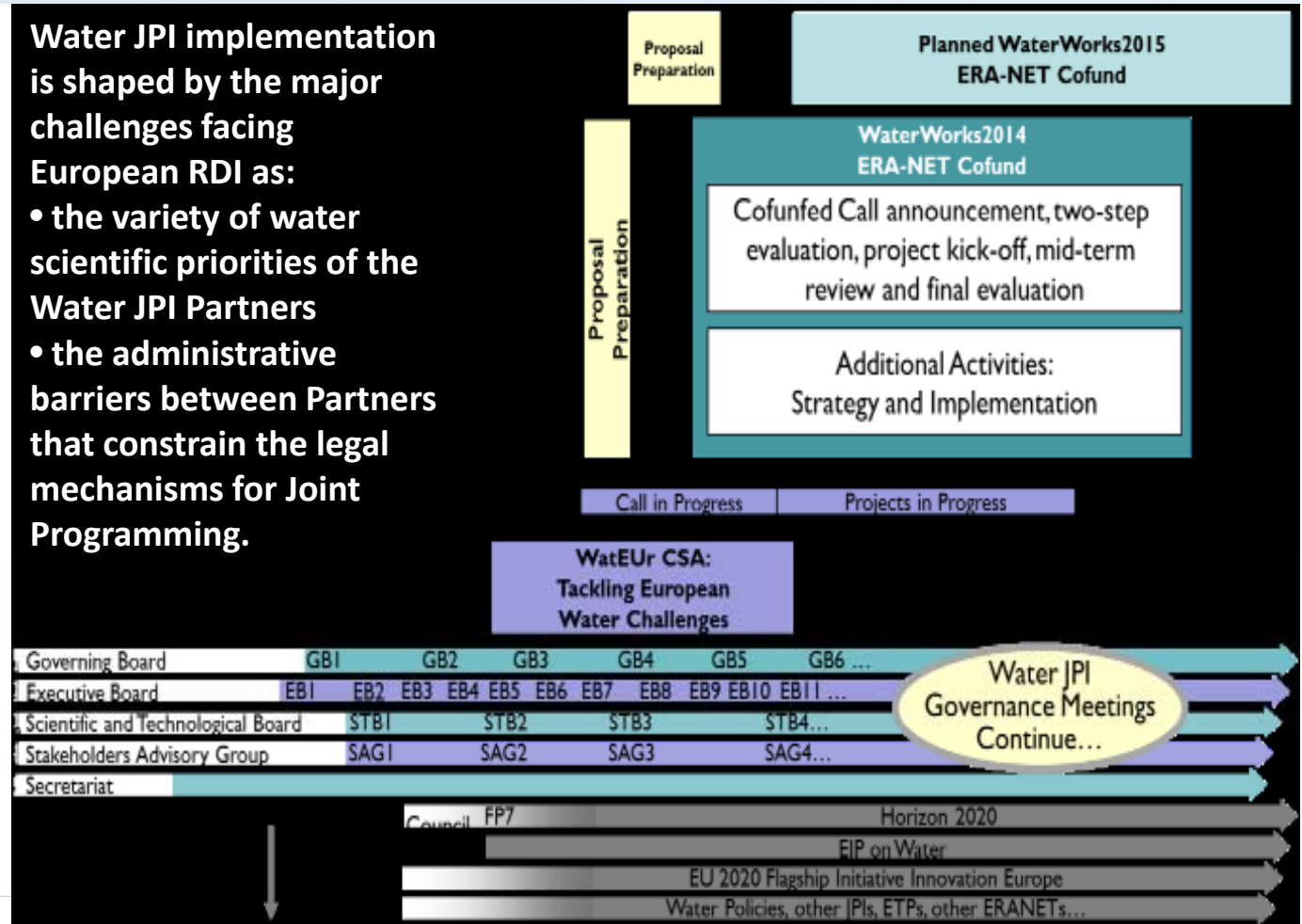


Implementing the Water JPI

- Water JPI includes the on-going **2013 Joint Pilot Call**, on “Emerging water contaminants – anthropogenic pollutants and pathogens”, planned and implemented as part of the FP7 **WatEUr CSA**. This Joint Pilot Call for RDI proposals pooled about 9 M€ from 11 funding institutions located in 10 countries.
- The two H2020 Societal Challenge 5 ERA-NETs, **WaterWorks2014** and the forthcoming proposal **WaterWorks2015**, constitute major steps towards the implementation of Water JPI up to 2020.

Water JPI implementation is shaped by the major challenges facing European RDI as:

- the variety of water scientific priorities of the Water JPI Partners
- the administrative barriers between Partners that constrain the legal mechanisms for Joint Programming.



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WaterWorks2014 Specific Objectives

- The [WATER JPI Implementation Plan](#) for the period 2014-2016 will be presented in Brussels on 21st October 2014, together with the Strategic Research and Innovation Agenda (SRIA). This document focuses on activities to be performed by the institutions members of the Water JPI and on other proposed actions to be implemented by the European Commission.
- All these activities have been classified into three types: **interfacing with society;** **empowering research, development and innovation (RDI) actors;** and **improving the efficiency of RDI programmes.**

WaterWorks2014 Cofunded Call will be focused on:

- **Water reuse and recycling**
- **Water and wastewater treatment, including recovery of resources**
- **Water-energy nexus**
- **Flood and drought risk management**

The Water JPI is actively engaged in the Steering Group and the Task Force of the EIP on Water.

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**MANY THANKS
for your kind attention**