



Evaluating Economic Policy Instruments for Sustainable Water Management in Europe

Paving the way for a better application of economic policy instruments for water resources management

EPI-WATER Final Conference
Venice, 28-29 November 2013



Joint Programming Initiative

Water challenges for a changing world

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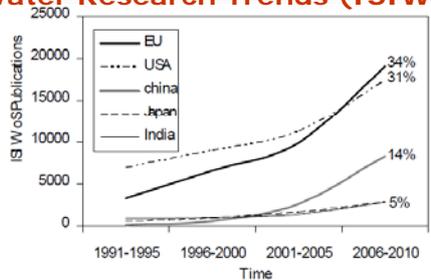


The Council of the European Union decided to launch the **Joint Programming Initiative "Water Challenges for a Changing World"** on 6 December 2011 as a contribution to the reduction of fragmentation of efforts by Member States and mobilization of skills, knowledge and resources, with a view to strengthening Europe's leadership and competitiveness on water research and innovation.

<http://www.waterjpi.eu>

This Joint Programming Initiative is mobilising existing RDI programmes to harmonise their research agendas and infrastructures, defining common research needs and developing synergistic joint activities that increase their efficiency by avoiding duplications

Water Research Trends (ISIWoS)



Region/Country	Percentage Increase (2006-2010)
EU	34%
USA	31%
China	14%
Japan	5%
India	5%



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

- According to the mapping concluded in April 2011, the EU Member States and the Associated countries run Water RDI programmes adding up to an annual investment of about 370 M€. Current **Water JPI** partners represent 88% of the funding.

Water JPI
 ■ Partner (19+1)
 ■ Observer (5)
 Total (24+1)

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Water JPI Research and innovation challenges:
 5 RDI themes following the vision document of the **WATER JPI**

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

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Water JPI **SRIA 0.5**

- 1. **Maintaining Ecosystem sustainability**
 - Integrated Approaches: Developing and Applying Ecological Engineering and Eco-hydrology
 - Managing the Effects of Hydro-climatic Extremes on Ecosystems
 - Developing Ecosystem Services Approaches
- 2. **Developing safe water system for the citizens**
 - Emerging Pollutants: Assessing their Effects on Nature and Humans, Behaviour and Treatment opportunities
 - Minimizing Risks Associated with Water Infrastructures and Natural Hazards
- 3. **Promoting competitiveness in the water industry**
 - Developing Market-Oriented Solutions for the Water Industry
 - Enhancing the Regulatory Framework
- 1. **Implementing a water-wise bio-based economy**
 - Improving Water Use Efficiency for a Sustainable Bio-economy Sector
 - Reducing Soil and Water Pollution
- 2. **Reconciling the supply and demand for water quality and quantity**
 - Enabling Sustainable Management of Water Resources
 - Strengthening Socio-economic Approaches to Water Management

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Water JPI **WATER JPI** will play a critical role in the **European Research Area (ERA)** and in the new Framework Programme for Research and Innovation: **Horizon 2020**.

Horizon 2020 is the main RDI funding programme in Europe, using a seven year programming period (2014-2020). It aims to build a European economy based on knowledge and innovation whilst contributing to sustainable development.

The Water JPI fits Horizon 2020 priorities. Horizon 2020 instruments may support the activities of the Water JPI.

SRIA 0.5

In addition, the Water JPI will be a major player in the **European Innovation Partnership (EIP) on Water**.

Horizon 2020 is a European programme, whilst the Water JPI is an intergovernmental initiative.

The EIP is based on private-public participation. It aims at stimulating creative and innovative solutions to tackle water challenges. It is based on bringing together actors from RDI, water users and water utilities.

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The European Institute of Innovation and Technology (EIT) Climate-KIC has created a “Land and Water management and Engineering for Adaptation platform” (LWEA). This European network of innovators is addressing the challenge of global climate change. The network is composed of companies, academic institutions and the public sector, with funding from the private and academic sector as well as from an EC grant through the EIT.

Figure 1. Selected agents in European Water RDI funding by focus and origin of the funds. (box size represents the centre of gravity of the initiative, not its funding volume).

Figure 2. Selected agents in European Water RDI by focus and destination of the funds. (box size represents the centre of gravity of the initiative, not its funding volume).

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Answering the call published on **12th January 2012** for a Coordination and Support Action in support to the **Joint Programming Initiative on “Water challenges for a Changing World”**, many of the institutions involved in this JPI took part in the submission of the WATEUR proposal which started on **1st January 2013**.

This CSA sustains the **overall coordination and capacity-building process** for the **Water JPI**. This action helps establish effective **JPI governance structures (GB, EB, STB, SAG)** and develop a sharply focused and realistic research agenda based on the **mapping and analysis of the state of the art in the specific field both at European and international level**.

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Information about WatEur

- FP7 Coordination and Support Action
- 2 M€
- 17 partners
- gennaio 2013 – dicembre 2015



First activities performed in 2013:

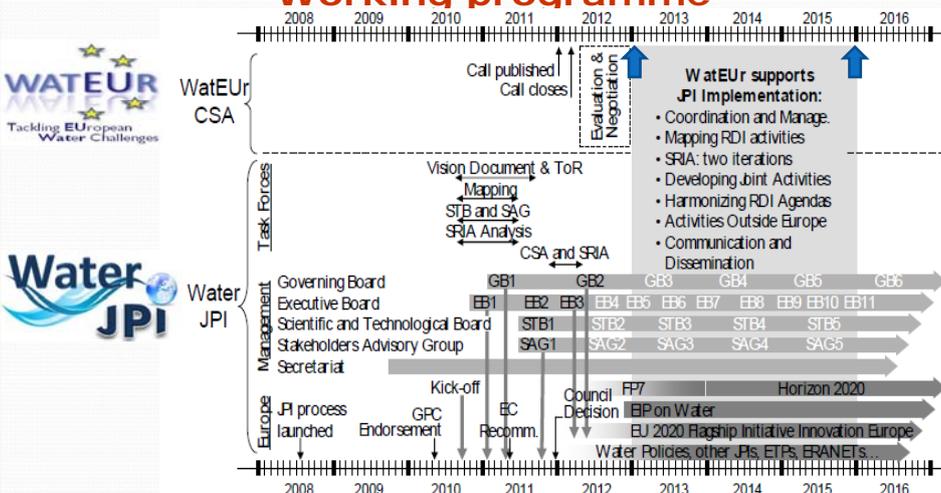
- Refine Mapping of R&I activities
- Progress towards a Strategic Research and Innovation Agenda (SRIA 0.5)
- First implementation activities, including a pilot call for proposals
- Search for strategic Alliances outside Europe
- Strengthen external communication



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Working programme



WatEur CSA

- Call published / Call closes (2012)
- Evaluation & Negotiation (2012)
- Vision Document & ToR
- Mapping
- STB and SAG
- SRIA Analysis
- CSA and SRIA

Water JPI Management

- Governing Board (GB1-GB6)
- Executive Board (EB1-EB11)
- Scientific and Technological Board (STB1-STB5)
- Stakeholders Advisory Group (SAG1-SAG5)
- Secretariat

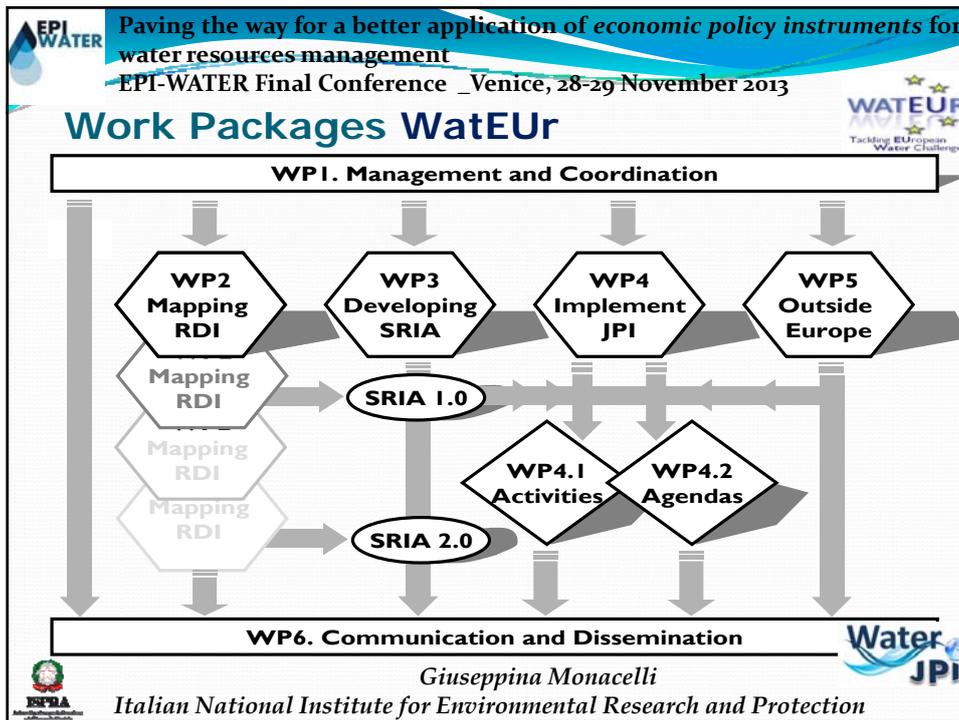
Europe JPI process

- JPI process launched (2008)
- GPC Endorsement (2009)
- Kick-off (2010)
- EC Recomm. (2011)
- Council Decision (2012)
- FP7 on Water (2013)
- EU 2020 Flagship Initiative Innovation Europe (2013)
- Water Policies, other JPIs, ETIPs, ERANETs (2013-2016)

WatEur supports JPI Implementation:

- Coordination and Manage.
- Mapping RDI activities
- SRIA: two iterations
- Developing Joint Activities
- Harmonizing RDI Agendas
- Activities Outside Europe
- Communication and Dissemination

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**Water JPI Pilot Call announcement:
 Emerging water contaminants – anthropogenic pollutants and pathogens**

Timeframe of the Pilot Call
 20 September 2013 Pre-announcement of the Pilot call
 1 November 2013 - Launch of the Pilot call for proposals
 19 December 2013 at 12:00 (CET) and 13:00 (FI) - Deadline for the full proposals
 February - April 2014 – Evaluation of the proposals
 May - October 2014 – Call Steering Committee (CSC) meeting to make the funding recommendations
 National organizations make the final funding decisions -> national decision to the applicants
 Autumn 2014 - Earliest possible start of the funded proposals



11 funder bodies for a budget of about 9 M€

Call reference documents available on JPI www.waterjpi.eu

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Water JPI

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The Pilot call will be addressed to...

- **Public sector:**
eg. academic institutions, research institutes
- **Private sector :**
eg. private research organizations, companies
- It is wished for the involvement of *Small and Medium Enterprises (SME)* in order to improve the technological advancement

The interaction between public and private sectors is based on the Water JPI joint multi-disciplinary approach including economic, ecological, technological and societal challenges and all subjects involved.

- The Italian Research Ministry MIUR funds the Pilot call with a special fund dedicated to public-private partnerships (300.000-400.000 €)

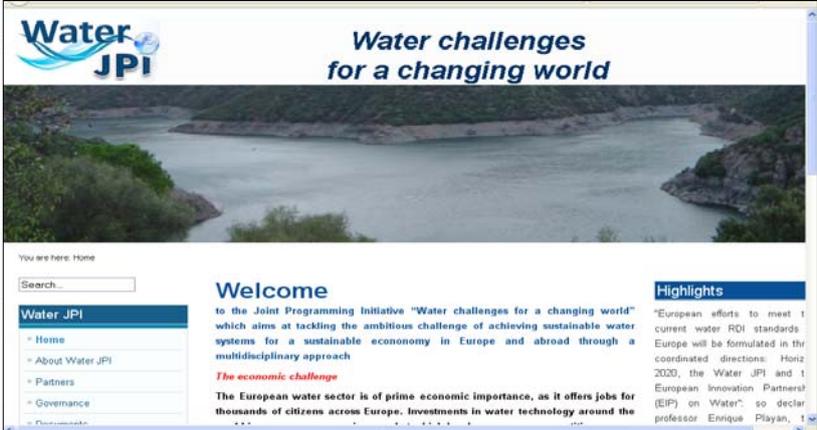
Other common calls are envisaged in 2014 and 2015 also with the support of ERANETs

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For more information on the Vision Document of the Water JPI and other details, please consult the website www.waterjpi.eu



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MANY THANKS
for your kind attention



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