The Water JPI
Joint Programming Initiative
Water Challenges for a Changing World

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Joint Programming for dummies

What a JPI is and is not
Joint Programming

- Is
  - Coordination of the national / regional, public, research, development and innovation programmes in Europe
  - A process based on variable geometry
  - A new way to address RDI problems with European dimension

- Is not
  - An ERANET, although it relates to ERANETs
  - A EU driven process, although the EU is following and feeding the process
Joint Programming

- Ten JPIs evolving
  - Process started in 2008
- The Water JPI started in 2010
  - Years of intense preparation and building trust
  - Coordinated by Spain
  - Co-coordinated by The Netherlands
Current Water JPI Partners and Observers

A group of committed and motivated research managers
Water JPI

- Partner (18+1)
- Observer (5)
- Total (23+1)
JPI Partners: the Programme Logo Gallery

Cyprus

Denmark

Finland

Germany
JPI Partners: the Programme Logo Gallery

France

Cyprus
Denmark
Finland
France
Hungary
Ireland

Israel

Ministry of Energy and Water Resources
משרד האנרגיה והמים

Moldova

Academy of Sciences of Moldova

Ireland

Environmental Protection Agency

Academy of Sciences of Moldova

Marine Institute

Enterprise Ireland

irish Research Council for Science, Engineering & Technology
Investing in People and Ideas
JPI Partners: the Programme Logo Gallery

**Italy**

- PRIN
- MIUR
- ISPRA
- Ministero delle Politiche Agricole Alimentari e Forestali

**The Netherlands**

- NWO
- STW
- Wetsus

**Norway**

- The Research Council of Norway
- NORWEGIAN DIRECTORATE FOR NATURE MANAGEMENT
Highlights on the Vision Document

Distilled information obtained through consensus
The vision document

- The grand challenge: “Achieving Sustainable Water Systems for a Sustainable Economy in Europe and Abroad”
JPI Objectives

- Involving water end-users for effective RDI results uptake.
- Attaining critical mass of research programmes.
  - Involve at least two-thirds of the public National water RDI investment in Europe.
- Reaching effective, sustainable coordination of European water RDI.
- Harmonising National water RDI agendas in Partner Countries.
- Harmonising National water RDI activities in Partner Countries.
  - Develop a catalogue of jointly programmed activities whose global budget amounts to at least 20% of the total water RDI budget of partner Programmes.
- Supporting European leadership in science and technology.
JPI Research Questions

- Maintaining Ecosystem Sustainability
- Developing safe water systems for the citizens
- Promoting competitiveness in the water industry
- Implementing a water-wise bio-based economy
- Closing the water cycle gap
Objectives and research questions

Critical Mass
RDI Agendas
RDI Activities
Effective Coordination
Continued Leadership
End-Users
Sustainable Ecosystems
Safe Water
Competitive Industry
Bio-Economy
Closing the gap
Structuring the JPI efforts, integrating different actors
JPI Governance

- Governing Board, RDI Programme owners
  - Representatives from all partners
- Executive Board, RDI Programme managers
  - Representatives from all partners
- Scientific and Technological Board
  - 17 prominent Scientists 7 technologists
  - Dr. Barceló (P), Dr. Buisman (VP)
- Stakeholders Advisory Group
  - 11 prominent stakeholders
  - WssTP (P), Finnish Environmental Institute (VP)
- Secretariat
Mapping RDI funding in Europe

Identifying agents, procedures, funding and mechanisms
Outcome

- Country summary reports were produced for all countries (30 = JPI + rest of MS + some AC)
- Surveyed / Estimated mobilization of resources through the JPI:

<table>
<thead>
<tr>
<th>Study Target</th>
<th>Countries</th>
<th>National Public RDI Funding (M€)</th>
<th>Funding respect to MS+AC (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>MS</td>
<td>351</td>
<td>94</td>
</tr>
<tr>
<td></td>
<td>AC</td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MS + AC</td>
<td>372</td>
<td>100</td>
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<td>Water JPI</td>
<td>Partners</td>
<td>328</td>
<td>88</td>
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<td></td>
<td>Observers</td>
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<tr>
<td></td>
<td>Part. + Obs.</td>
<td>358</td>
<td>96</td>
</tr>
</tbody>
</table>

- The EC invests 130 M€/yr through the FP (average of FP6 and FP7 so far)
- Total investment in public RDI: about 500 M€/yr in MS+AC+EC
Getting quite busy in 2013 and beyond…
From internal to external communication

- **Internal**
  - 22 newsletters
  - Efforts to communicate and organize activities at our home institutions

- **External**
  - Web page released last July
  - Need to communicate to the European research and innovation communities
EDITORIAL

This is the last Newsletter before summertime. We will be back in October 1st, with the new hydrologic year. It is time to ponder about what we have done in this course:

- We have enlarged the partnership from 14 to 17 members (16 countries plus the European Commission);
- We have enlarged our advisory bodies;
- We have met five times;
- We have attended 22 different meetings worldwide;
- We have consolidated the Water JPI as an influencing institution within the EU and abroad;
- Last but not least, we have prepared a three-year implementation plan, emerging from our shared vision.

PROGRESS IN WATEUR

The indicative date for the completion of WatEur negotiation is July 6th. Progress on this issue has been very intense, and the second iteration was submitted on June 29th.

The WatEur Consortium Agreement will be prepared right after summer, so that a framework for cooperation within this CSA is established before the onset of activities.

Certain WatEur workpackages are already meet to plan for the work ahead. This is great news and a clear indicator of future implementation success.

RESEARCH HIGHLIGHTS

Ground water extraction and sea level rise projections

The research group led by Water JPI Scientific and Technological Board Member Mark Bierkens has obtained a relevant scientific impact with their paper “Past and present contribution of global groundwater to sea level rise” (Wada et al., 2012).
Welcome
to the Joint Programming Initiative “Water challenges for a changing world” which aims at tackling the ambitious challenge of achieving sustainable water systems for a sustainable economy in Europe and abroad through a multidisciplinary approach

The economic challenge

The European water sector is of prime economic importance, as it offers jobs for thousands of citizens across Europe. Investments in water technology around the world increase every year, in a market which has become very competitive.
WatEUr,
Tackling European Water Challenges
WatEUr,
Tackling European Water Challenges

- An FP7 Coordination and Support Action
- 2 M€
- 17 partners
- January 2013 – December 2015
- Will boost Water JPI operation
- (Will require additional administration)
The EIP on Water

- We are (for the most part) upstream from the EIP
- Water JPI represented at the HLSG and the TF
- What can we do in relation to the EIP priorities?
  - Assess current state of research
  - Reveal research needs
  - Map existing innovation efforts
- We can start activities related to the priorities
  - Summarize research results
  - Network existing projects
  - Brokerage events on existing knowledge
…and beyond

- First activities planned for 2013:
  - Refine Mapping of R&I activities
  - Progress towards a Strategic Research and Innovation Agenda
  - First Pilot activities, including call(s) for proposals
  - Search for strategic Alliances outside Europe
  - Strengthen external communication
- Questions to be addressed through consultation and dialogue
Thanks!