

# The Water JPI

Joint Programming Initiative  
Water Challenges for a Changing  
World



Water JPI Secretariat,



# 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

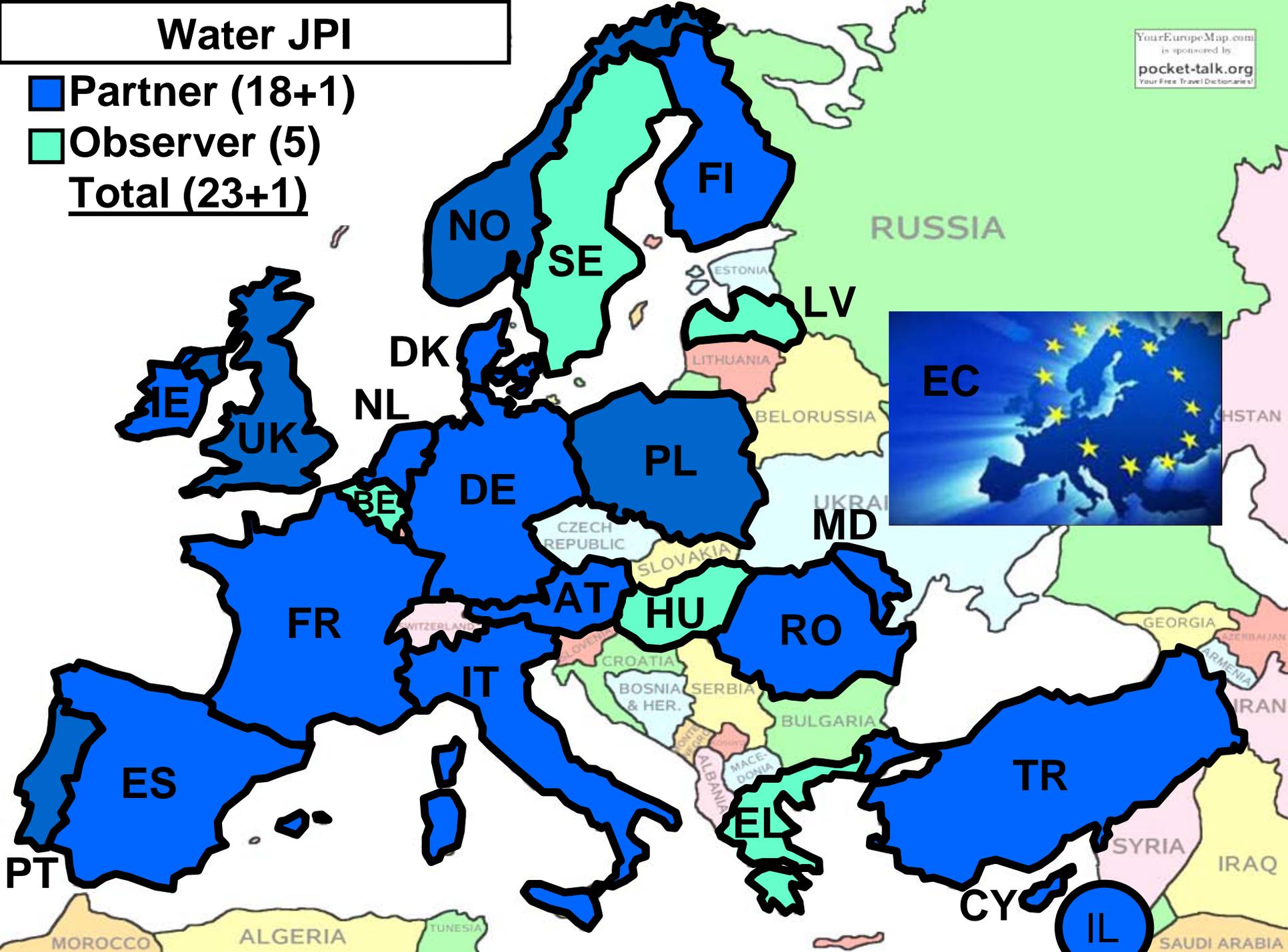
# Water JPI

■ Partner (18+1)

■ Observer (5)

Total (23+1)

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# JPI Partners: the Programme Logo Gallery

## Cyprus



## Denmark



Danish Ministry  
of the Environment

## Finland

AKVA GROUP



METLA



MINISTRY OF AGRICULTURE AND FORESTRY

Ministry of Education and Culture

Opetus- ja kulttuuriministeriö

Undervisnings- och kulturministeriet



S Y K E

## Germany



Bundesministerium  
für Bildung  
und Forschung



FONA  
Research for Sustainable  
Development  
BMBF



JÜLICH  
FORSCHUNGSZENTRUM

# JPI Partners: the Programme Logo Gallery

## France



## Ireland



## Israel



## Moldova



Academy of Sciences of Moldova

# JPI Partners: the Programme Logo Gallery

## Italy



## The Netherlands



## Norway



# JPI Partners: the Programme Logo Gallery

## Poland

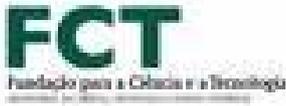


Ministry  
of Science  
and Higher  
Education

Republic of Poland

**European Regional Centre for Ecohydrology**  
under the auspices of UNESCO  
International Institute of the Polish Academy of Sciences

## Portugal



**MCTES** MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR  
Ministry of Science, Technology and Higher Education

## Romania



AUTORITATEA NATIONALA PENTRU CERCETARE STIINTIFICA

*UE Fiscodi*

## Spain



## Turkey



The Scientific and Technological Research Council of Turkey

## United Kingdom

NATURAL  
ENVIRONMENT  
RESEARCH COUNCIL



Centre for  
Ecology & Hydrology

NATURAL ENVIRONMENT RESEARCH COUNCIL



Department for Environment  
Food and Rural Affairs



## 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”



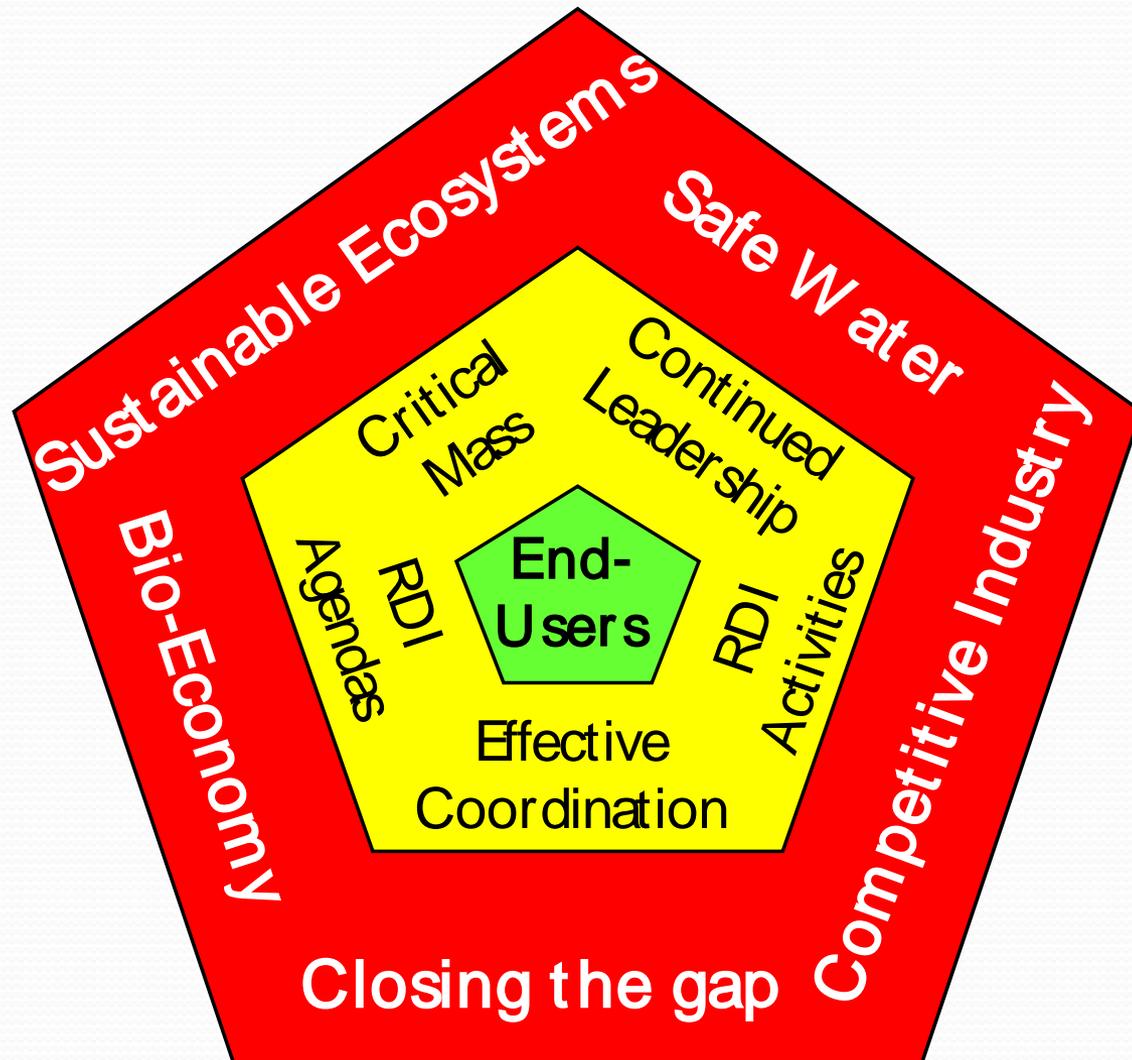
# JPI Objectives

- 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





# Water JPI Governance



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:

Study Target	Countries	National Public RDI Funding (M€)	Funding respect to MS+AC (%)
Europe	MS	351	94
	AC	22	6
	MS + AC	372	100
Water JPI	Partners	328	88
	Observers	30	8
	Part. + Obs.	358	96

- 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



# Upcoming activities



Getting quite busy in 2013 and beyond...

# From internal to external communication

- Internal
  - 21 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

Issue # 19

## EDITORIAL

This is the last Newsletter before summertime. We will be back in October 1<sup>st</sup>, 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 6<sup>th</sup>. Progress on this issue has been very intense, and the second iteration was submitted on June 29<sup>th</sup>.

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 contribution of global groundwater level rise" (Wada et al., 2012). It quantifying the groundwater

# www.waterjpi.eu



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## 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.

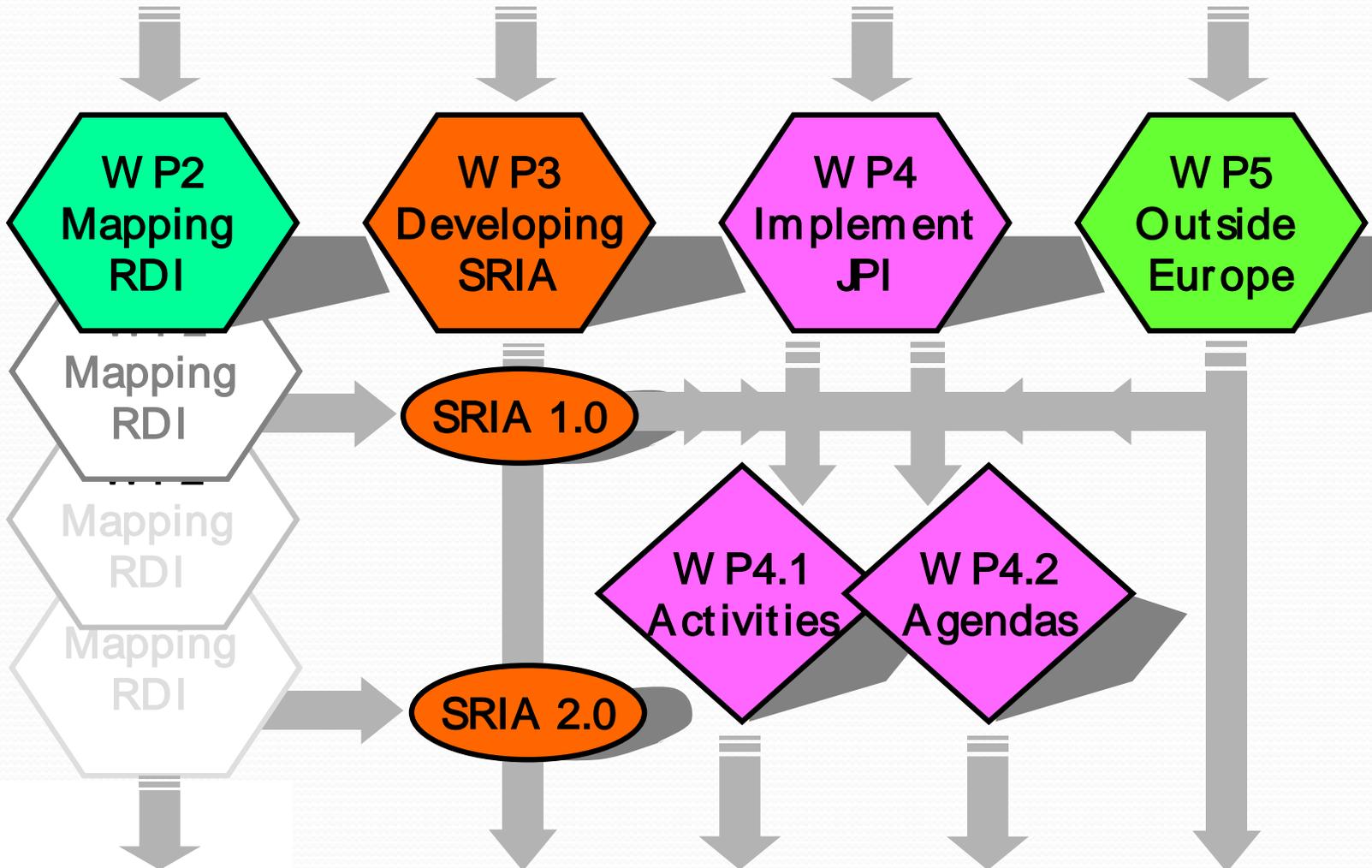
# WatEUr, Tackling European Water Challenges



# 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)

# W P1. Management and Coordination



# W P6. Communication and Dissemination

# 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

