

# Fifth Meeting of the Executive Board



Decision making for  
progress in all fronts

Madrid, February 6,  
2012

# Opening of the meeting



by Enrique PLAYÁN, President,  
and Hans KUYPERS, Vice  
President

# Tour de Table



Since a number of us are new in this business...

# Approval of EB Meeting #4 Minutes



by Enrique PLAYÁN

# EB Meeting 4 resolutions

1. The minutes of the third meeting of the Executive Board were approved without amendments
2. The Executive Board expresses a warm welcome to Austria as a new Water JPI partner
3. The EB approves progress in the CSA activities and encourages partners to effectively involve the Water JPI Advisory Boards
4. No actions will be taken on a possible KIC on Water at this time
5. GB#3 will be held on May 14th, 2013. The meeting location is still to be determined.
6. The Water JPI supports this proposal for infrastructure, and mandates the Coordinator to prepare and submit an expression of interest.
7. The Water JPI encourages partners to contribute to the success of this initiative.

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# Update on Water JPI Partnership



by Enrique PLAYÁN

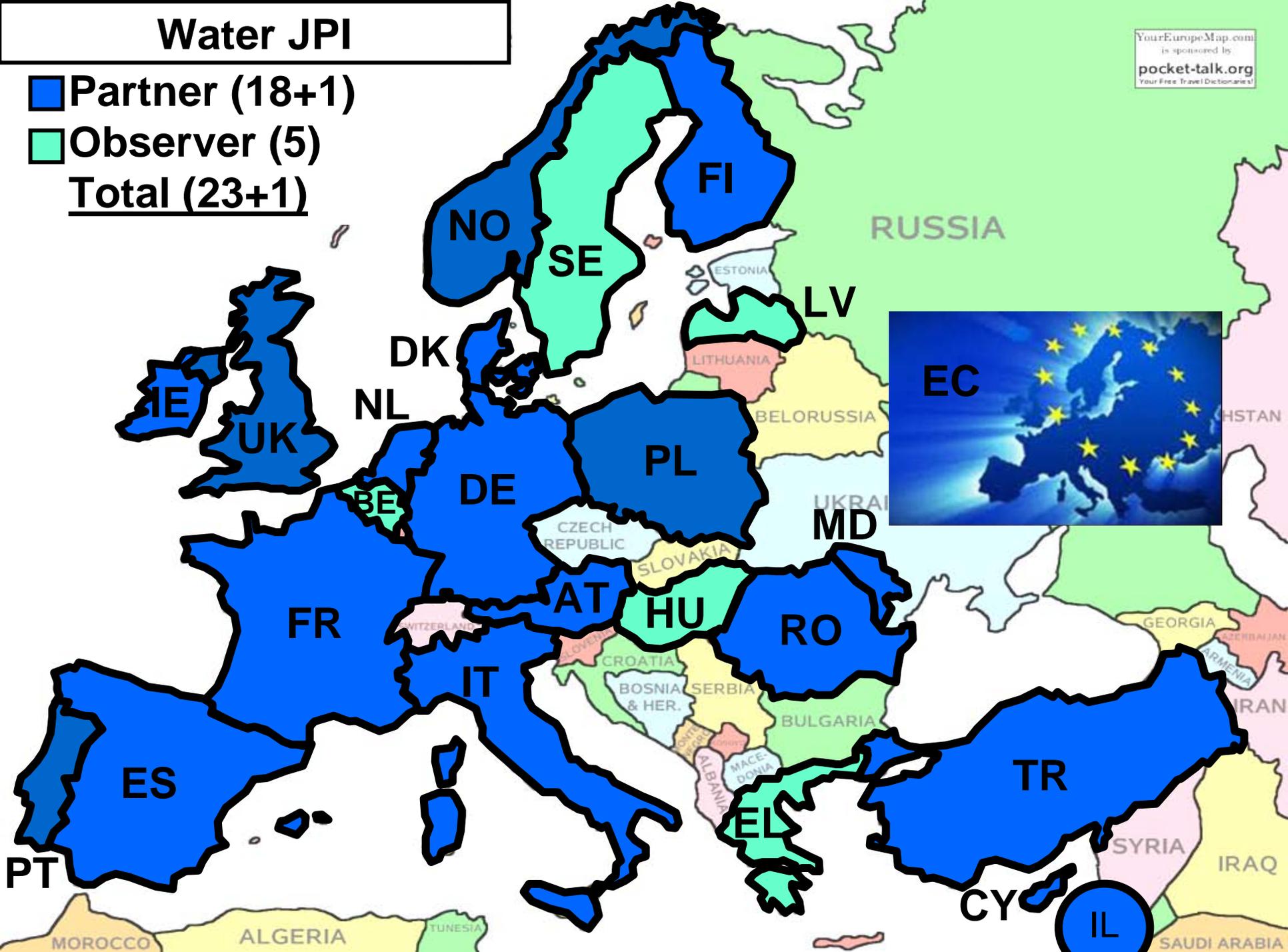
# Water JPI

■ Partner (18+1)

■ Observer (5)

Total (23+1)

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Your Free Travel Dictionary!



# Moldova, new Water JPI Partner

- We warmly welcome Moldova, Associated Country to the Framework Programme as new partner
- Participating through the Academy of Sciences of Moldova
- Represented by:
  - Gheorghe DUCA (GB)
  - Igor SEROTILA (EB)
- A short introduction to the Academy of Sciences of Moldova by Mr. Serotila
- We look forward to intense cooperation!

# Coordination and Management



by WatEUr WP1 Team,  
led by MINECO, Spain

# Report on Coordination Activities

## Past external meetings

- Meeting of the FORESTERRA ERANET, Roma, October 18
- Drought symposium, Cyprus Presidency, Nicosia, October 30
- Third meeting of the CIS-SPI, Brussels, November 14-15
- International Scarce Conference, Valencia, November 26
- The Task Force of the EIP on Water, Brussels, November 30
- Informal JPIs forum, Brussels, Dec. 10
- The High Level Steering Group, EIP on Water, Brussels, Dec 17
- Final Meeting of the NOVIWAM project, Seville, Jan 21

# Coordination activities

- Building a Secretariat for the Water JPI
- In execution of the WatEUr Grant Agreement, MINECO and its Third Party FECYT have been recruiting two dedicated positions for the Water JPI Secretariat.
- The selection process has not been completed
- **Project Manager**, has been covered by **Ms. Armela DINO**
  - Will report to the Coordination Team
  - Will be responsible for coordination activities in the Water JPI and in WatEUr.
  - Will contribute to develop a higher political profile
  - Will cooperate with the Coordinator to grant increased visibility.
- **Junior Project Manager**, will
  - Support the activities of the Coordination Team,
  - Ensure proper execution of the administrative financial and clerical responsibilities related to WatEUr and the Water JPI.

# Report on Coordination Activities

## Foreseen external meetings

- Joint Programming Event, Dublin, February 28 – March 1<sup>st</sup>
  - Any comments on it from the most involved partners?
- First Acqueau workshop, Brussels, Feb. 19<sup>th</sup>
- EIP on Water Task Force, March 5<sup>th</sup>
- Biodiversity and Ecosystem Research Infrastructures in Europe, Brussels, March 19-20
- COST Strategic Event on Water, Brussels, April 16-

# Water JPI Launching and WatEUr kick-off meeting

- The Launching is a JPI Activity
- WatEUr is subsidiary to the Water JPI
- Any comments on yesterday's meetings?
- Proposal to adopt a resolution endorsing the meetings

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**Request for a decision**



# A map of European research and innovation funding organizations



# A provisional map of EIPs and JPIs

Joint  
Programming

MORE YEARS  
BETTER LIVES



European  
Innovation  
Partnerships



Active and Healthy ageing  
Water

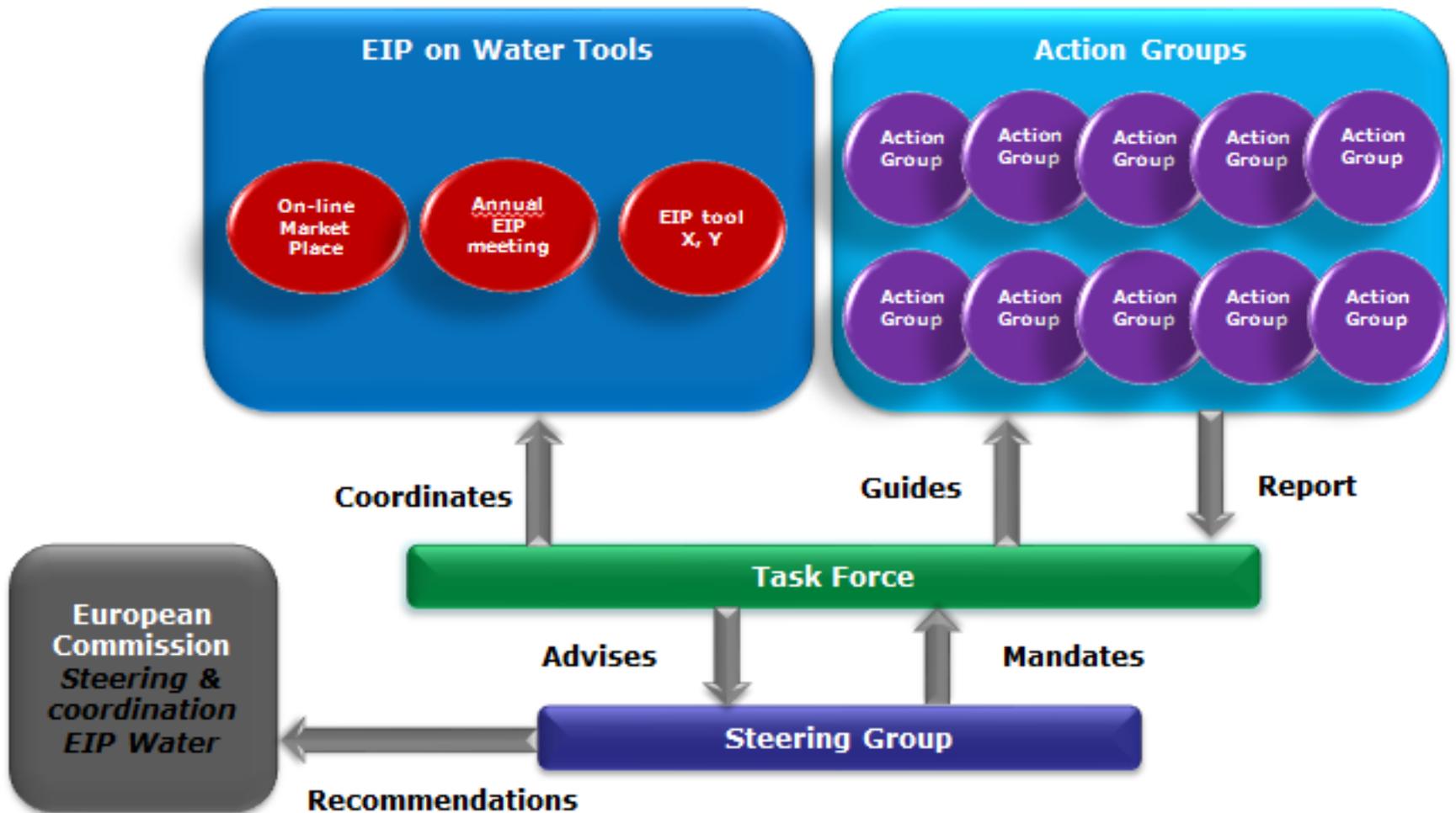


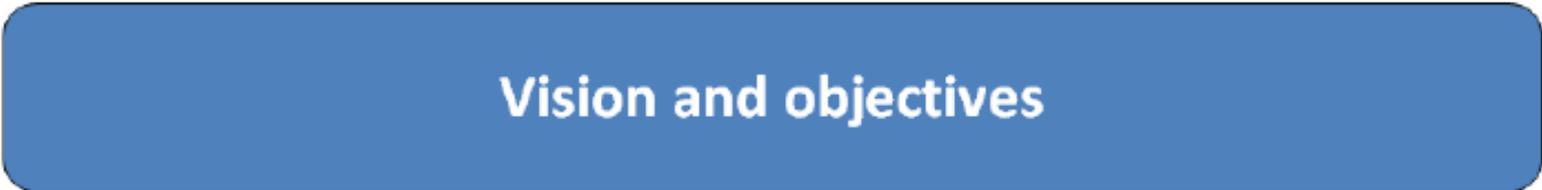
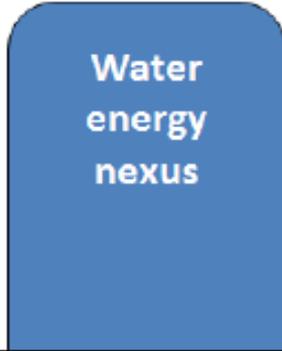
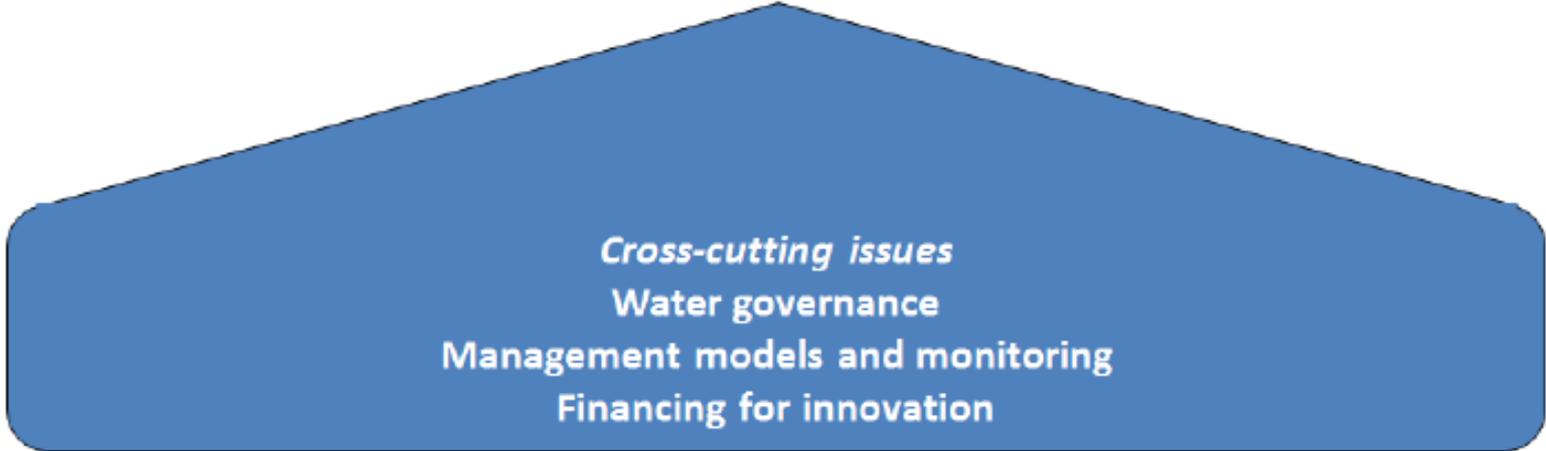
Productive and Sustainable Agriculture  
Raw Materials

...

JPI-Climate

# EIP on Water: Governance





# JPI vs. EIP: Objectives and implementation

## **JPI Objectives**

- Involving water end-users for effective results uptake
- Attaining critical mass
- Coordinating water RDI
- Harmonising RDI agendas
- Harmonising RDI activities
- Supporting European water leadership

## **JPI Research Questions**

- Ecosystem sustainability
- Safe water for citizens
- Competitiveness in industry
- Water-wise bioeconomy
- Closing water cycle gap

## **EIP Objectives**

- Facilitate, support and speed up the development and deployment of innovative solutions to water challenges
- Create market opportunities for these innovations both inside and outside of Europe

## **EIP Priorities**

- Water reuse and recycling;
- Water and wastewater treatment;
- Water-energy nexus;
- Flood and drought risk management;
- Ecosystem services.
- Water governance;
- Decision support systems and monitoring;
- Financing for innovation

# Interaction with the EIP on Water

- SIP approved by the TF a few days after the meeting on Nov. 30<sup>th</sup>
- SIP adopted by HLSG on Dec. 18<sup>th</sup>
  - Open call for Action Groups, deadline April 4<sup>th</sup>
  - Action Groups are thematic. For instance:
    - Priority: Water and Energy Nexus
    - Actions:
      - Approaches for reducing energy consumption related to drinking water production, wastewater treatment, industrial water use, and irrigation for agriculture.
      - Innovative and widely applicable solutions for energy recovery and/or surplus energy production both from water in natural systems as well as from anthropogenic water use.
      - Develop and demonstrate widely applicable concepts and solutions for water use related to energy production, urban and industrial hot/cold water systems.
  - Will execute actions based on priorities

# The EIP is saying...

- The SIP... a wide catalogue for action
  - Some issues may need to be narrowed down, and new topics could be introduced to be included
  - TF to develop “headline targets” for the EIP on Water, linked to the defined priorities
  - Include topics such as desalinization and shale gas
- Action Groups... evolving concept, need for definition, learning by doing
- Gathering commitments by HLSG members

# The EIP is saying...

- Funding:
  - Find ways to bring in private funding
  - European, national and local public funding
  - EU Funding:
    - Horizon 2020 for research and innovation, the Common Agricultural Policy and the Regional and Structural policy
    - EIP needs to lobby before EU institutions
- Water needs to be on the top of the political agenda. This requires strong political awareness of water challenges, in an international context

# The EIP is saying...

- Quality control in action groups
- Monitoring and evaluation
- Integration with other initiatives

# The Water JPI and EIP

- How is our participation going?
- Does the JPI see interest in further involvement?
- Is there a role to play in the Action Groups?

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**Request for a decision**



Coffee break

# Progress in H2020: JPI

- “For the implementation of Horizon 2020, account shall be taken of the need to build **appropriate synergies and complementarities between national and European research and innovation programmes**, in particular in areas where coordination efforts are made through the **Joint Programming Initiatives**”
- “**Union support to Joint Programming Initiatives** may be considered through the instruments referred to in Article 20, subject to the conditions and criteria laid down for such instruments”

# Progress in H2020: JPI

- “Horizon 2020 shall contribute to the **strengthening of public-public partnerships**, as and when appropriate, where actions at regional, national or international level are jointly implemented within the Union“
- “Particular **attention shall be paid to joint programming initiatives** between Member States”
- “Public-public partnerships may be supported either within, or across, the priorities set out in Article 5(2), in particular through:
  - an **ERA-NET instrument** using grants to support public-public partnerships in their **preparation, establishment of networking structures, design, implementation and coordination of joint activities as well as Union topping up of no more than one joint call a year and of actions of a transnational nature**;
  - **top-up funding shall be conditional on a prior indicative financial commitments in cash or in kind** of the participating entities to the joint calls and actions. The ERA-NET instrument may include, where possible, an **objective to harmonise rules and implementation modalities of the joint calls and actions**.

# Progress in H2020: JPI

- “Workprogrammes... shall contain, where appropriate, **information on coordination with research and innovation activities carried out by Member States, including in areas where there are joint programming initiatives.** “
- “**Priority setting** may also take into account the **strategic research agendas of European Technology Platforms, Joint Programming Initiatives or inputs from the European Innovation Partnerships.** Where appropriate, **public-public partnerships** and public-private partnerships supported through Horizon 2020 will also **contribute to the priority setting process and to the implementation,** in line with the provisions laid down in Horizon 2020.”

# Progress in H2020: JPI

- **“Public-public and public-private partnerships may receive support from Horizon 2020, provided they address Horizon 2020 objectives, they contribute to realising the ERA, they meet the criteria laid down in Horizon 2020 and they have shown to make significant progress under the Seventh Framework Programme for Research, Technological Development and Demonstration (FP7).”**

# Progress in H2020: Challenge 2

- Title “EUROPEAN BIOECONOMY CHALLENGES: FOOD SECURITY, SUSTAINABLE AGRICULTURE AND FORESTRY, MARINE AND MARITIME AND INLAND WATER RESEARCH”
- “...**environmentally-friendly, resource-efficient** and resilient agriculture and forestry systems that supply sufficient food, feed, biomass and other raw-materials and deliver ecosystems services...”
- “...increasing productivity and resource efficiency, including **water use efficiency**, of agriculture...reducing leaching of nutrients and other chemical inputs from cultivated lands into terrestrial and aquatic environments...”

# Progress in H2020: Challenge 5

- Title “CLIMATE ACTION, RESOURCE EFFICIENCY AND RAW MATERIALS”: (5.2) Protection of the environment, sustainable management of natural resources, **water**, biodiversity and ecosystems
- 5.2.1. Further our understanding of biodiversity and the functioning of ecosystems, their interactions with social systems and their role in sustaining the economy and human well-being.
  - Research on **marine, polar, fresh water, terrestrial and urban ecosystems, including groundwater** dependent ecosystems, will improve our understanding of the complex interactions between natural resources and social, economic, and ecological systems, including natural tipping points, and the resilience, or fragility, of human and biological systems

# Progress in H2020: Challenge 5

- 5.2.2. Developing integrated approaches for the sustainable management of water-related challenges
  - ...address these pressures and will provide **integrated strategies, tools, technologies and innovative solutions** to improve **water quality**, cope with **imbalances** between water demand and availability or supply at different levels and scale and address **water related risks** whilst sustaining the integrity, structure and functioning of the aquatic **ecosystems** in line with the prevailing EU policies.
- 5.2.3. Provide knowledge and tools for effective decision making and public engagement
  - underpin **policy decisions needed to manage natural resources and ecosystems** so as to avoid, or adapt to, disruptive climate and environmental change and to promote institutional, economic, behavioural and technological change that ensure sustainability.

# Water JPI coordination with H2020

- Jan 17, a meeting was held between
  - The Environment Directorate (Andrea TILCHE, Director, Environment; Luisa PRISTA, Head of Unit Environmental Technologies; and Michel SCHOUPPE, Liaison Officer for the Water JPI)
  - The water JPI (Marina VILLEGAS, Rosa RODRÍGUEZ-BERNABÉ, Enrique PLAYAN, Hans KUYPERS, Bart Jeroen BIERENS, Patrick FLAMMARION and Elena GIUSTA).
- The meeting served to discuss:
  - JPI milestones progress towards a Research and Innovation Agenda;
  - The relationship between the Horizon 2020 Specific Programme and the Water JPI SRIA;
  - Programming for a Horizon 2020 ERANET for topping up of the Joint Activities to be launched in 2014;
  - Contribution to define the water topics in the yearly Horizon 2020 Work Programmes; and
  - Progress in H2020 and JPI contributions to the definition and implementation of the EIP.

# Water JPI coordination with H2020

- The President of the Governing Board presented the ambition of the Water JPI to transform the landscape of European Water Research and Innovation.
- The EC announced a series of meetings with selected stakeholders to progress in the definition of the first work programme.
- The first such meeting should be taking place by mid-March.
- It is important to raise the political profile of the Water JPI to contribute to reinforce water in the EU Agenda.

# H2020 Advisory Groups

- Received invitation to register candidates for the Advisory Group on Challenge 5 of the EC.
- “Advisory groups will provide high quality and timely advice for the preparation of the Horizon 2020 calls for project proposals.”
- Advisory groups will start their work during spring of this year to provide advice in time for the first Horizon 2020 calls (launched by the end of 2013).
- Deadline 6 March 2013 at 5 p.m.

# H2020 Advisory Groups

- Candidates can submit applications in their own name or supported by organizations
- Open questions:
  - Who should the Water JPI present as candidate?
  - Should we only consider candidacy to Challenge 5?
  - What about Challenge 2?
  - What about other areas of Horizon 2020?

# WatEUr CSA monitoring

- Objectives
  - Implement efficient quality control
  - Support coordinator in project management
  - Help to sustain the Water JPI after completion of WatEUr
- Development of Monitoring Tool
  - Identifying indicators for WP1-6 in collaboration with all partners
  - Contact with WP leaders every 3-4 months to assess progress
  - Webpage Intranet could be used to exchange data
  - Progress/delays will be discussed with coordinator
- Interrogations
  - 1st questionnaire (beginning of 2013) among all partners to investigate collaboration in the project and expectations towards JPI Water. (mid term report)
  - 2nd questionnaire (mid-2015) will focus on achieved results and future collaboration. (final report)

# Water RDI Mapping in Europe



by WatEUr WP2 Team,  
Led by FCT, Portugal  
Co-led by DN, Norway

<b>I</b> <b>INSTITUTIONAL IDENTIFICATION</b>	<b>II</b> <b>GOVERNMENTAL STRATEGIES ON WATER RDI</b>	<b>III</b> <b>FUNDING SCHEMES ON WATER RDI</b>	<b>IV</b> <b>WATER RDI RESEARCH PERFORMING</b>
<b>III</b> <b>FUNDING SCHEMES ON WATER RDI</b>		<b>IV</b> <b>WATER RDI RESEARCH PERFORMING</b>	
<ul style="list-style-type: none"> <li>▶ <b>Actors and areas of Water RDI funding</b></li> <li>▶ <b>Strategies and thematic priorities</b></li> <li>▶ <b>Amounts of funding</b></li> <li>▶ <b>Cooperation with companies/industry</b></li> <li>▶ <b>Calls for projects</b></li> <li>▶ <b>International cooperation</b></li> <li>▶ <b>Available data and evaluation of Water RDI</b></li> </ul> <p><b>Only competitive funding</b></p>		<ul style="list-style-type: none"> <li>▶ <b>Areas for RDI</b></li> <li>▶ <b>Infrastructures</b></li> <li>▶ <b>Stakeholders engagement</b></li> <li>▶ <b>International cooperation</b></li> <li>▶ <b>Areas of Water RDI</b></li> <li>▶ <b>Water RDI funding</b></li> </ul> <p><b>Both competitive and non competitive?</b></p>	

## QUESTIONNAIRE STRUCTURE *(Provisional)*

### **Questionnaire Instructions – please read carefully before answering the form**

- **If your organization is a Governmental organization responsible for Water RDI definition of strategies, please answer to groups I and II of this questionnaire.**
  - **If your organization is a funding agency/entity/company of Water RDI, please answer to groups I and III of this questionnaire.**
  - **If your organization is a performing (research actor) institution/agency/company in Water RDI, please answer to groups I and IV of this questionnaire.**
  - **If your organization has more than one role (e.g. funding and research performer), please do not forget to answer to all the groups that fit in its nature.**
- **Except for “Yes/No” answers, all the other cross/box questions are of multiple choice.**
- **For the open questions, a brief description is required.**

## **Clarification of some concepts presented in the questionnaire:**

**Basic Research** – *“Basic research is experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view (Source: Frascati Manual.)”*

**Applied Research** – *“Applied research is original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific practical aim or objective (Source: Frascati Manual.)”*

**Innovation** – *“Technological product and process (TPP) innovations comprise implemented technologically new products and processes. A TPP innovation has been implemented if it has been introduced on the market (product innovation) or used within a production process (process innovation). TPP innovations involve a series of scientific, technological, organizational, financial and commercial activities (Source: Oslo Manual).”*

**Competitive funding** – *Open Calls, comparative evaluation.*

**Real Common Pot** – *Countries pool their national contributions to a common and centrally administered call budget.*

**Virtual Common Pot** – *Countries and regions pay for their own participants, without involving transnational flows of national funding.*

**Mixed Mode** – *A blend of the above described typologies of funding, requiring a joint ranking list as the evaluation result.*

**Infrastructure** - *The term ‘research infrastructures’ refers to facilities (e.g. labs), resources and related services used by the scientific community to conduct top-level research in their respective fields, ranging from social sciences to astronomy, genomics to nanotechnologies.*

**Marie Curie Fellowships** - *Marie Curie Fellowships are European research grants available to researchers regardless of their nationality and field of research.*

# I INSTITUTIONAL IDENTIFICATION

- **Name of the Institution/Entity**

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- **Country**

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- **City/Locality**

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- **Function of the person responsible for the survey completion**

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- **Name of the person responsible for the survey completion**

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- **E-mail contact of the person responsible for the survey completion**

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- **Link to your organizations' web-page (url)**

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• **Type of Institution/Entity:**

- Governmental Agency**
- Public University/Research Unit**
- Private University/Research Unit**
- Non-profit Public Organization**
- Non-profit Private Organization**
- Public Company**
- Private Company**
- Public Laboratory**
- Private Laboratory**

• **Attribution of the Institution/Agency/Company**

- Setting up governmental strategies in Water RDI**
- Funding of Water RDI**
- Performing Water RDI**

## Strategic priorities for Water RDI

1. Does your organization have strategic priorities for Water RDI?

- Yes    No

2. Please upload your organizations studies/regulations that may complement the perspective of your strategies for Water RDI. Alternatively, you can add an URL for access. Please use documentation in English, whenever possible.

3. If you have chosen “Yes” in question 1, please identify the strategic priorities defined by your organization to boost Water RDI:

- Sustainable Ecosystems** *(Monitoring of threats, risk assessment.)*
- Healthier Water Systems** *(Water quality and societal wellbeing.)*
- Improving Water use in the Industry** *(Innovative technologies required by water industry, market oriented solutions.)*
- Water bio-based Economy** *(Intensification of agriculture and use of agrochemicals, more efficient agricultural systems.)*
- Closing the Water Cycle Gap** *(Reconciling water supply and demand, water re-use, energy, recovery of valuable substances, monitoring and control, interaction with natural resources.)*
- Other. Please specify:** \_\_\_\_\_

**4. Please identify the prioritized areas within your Water policies:**

- Planning and Management of Water Resources**
- River Basin Management**
- Wastewater Management/ sanitation**
- Water Scarcity**
- Coastal Zones Management**
- Ecological and Chemical status**
- Rural Water**
- Urban Water**
- Potability**
- Effects of and adaptation to Climate Change**
- Economic use of Water Resources, please indicate which of the following is explored within your funding:**

- Hydro-power**
- Transports**
- Fishing**
- River beaches, etc.)**

- Evaluation of environmental impacts. Please indicate which of the following is explored within your funding:**

- Impacts in general**
- Pollution from point sources**
- Pollution from diffuse sources**
- Impacts from hydro morphological alterations/water regulations**
- Reduction of river continuity**
- Alien species**
- Water abstraction**
- Other. Please specify: \_\_\_\_\_**

**5. If your country has strategic priorities within Water RDI, please identify which fields below are included in those strategies:**

- Public RDI Policies**
- Private RDI Policies**
- RDI Projects**
- Only Research Projects**
- Only Development and Innovation Projects**
- Fellowships/Mobility**
- Infrastructures**

**6. Please identify the scientific areas where Water RDI is represented within your organization policies:**

- Life and Health Sciences**
- Natural and Environmental Sciences**
- Exact Sciences and Engineering**
- Social Sciences and Humanities**

**7. Please indicate the most relevant drivers for a Water RDI strategic design in your organization:**

- National Legislation/Policies/ Funding**
- EU Legislation/Policies/Funding**
- National Public-Private Initiatives**
- Other. Please Identify: \_\_\_\_\_**

**8. Does your organization have a Scientific Council or similar with a specific approach on Water RDI?**

- Yes**    **No**

**9 . Please indicate the main focus of your organization`s strategy in the definition/management of programs in Water RDI. If more than one, please indicate the approximate percentage funded between them:**

- Basic Research** \_\_\_\_\_ %
- Applied Research** \_\_\_\_\_ %
- Innovation** \_\_\_\_\_ %

### **Research Programs**

**10. Is your organization owner/co-owner of a Research Program in Water RDI?**

- Yes**    **No**

**If you have answered "No", please go to question 12.**

**11. Please identify the name of the Research Program(s):**

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## Available data and evaluation

**12. Does your organization manage a systematic national inventory of Water researchers?**

- Yes  No

**13. Does your organization directly manage activities of Evaluation and Selection for funding activities (projects, mobility, fellowships, infrastructures) in Water RDI?**

- Yes  No

**14. Does your organization manage/have access to a systematic national list of reviewers/pool of experts in Water RDI?**

- Yes  No

**15. Does your organization manage/have access to a systematic international pool of reviewers/experts in Water RDI?**

- Yes  No

**16. Please identify the agents that mostly support your organization with data for your national Water RDI policy:**

- Government Advisory Committees**
- Academic Institutions/Studies**
- Private Company/Consultancy Studies**
- EU reporting/studies**
- Other. Please justify: \_\_\_\_\_.**

## Infrastructures

**17. Does your country hold specific infrastructures for Water RDI?**

Yes  No

If you have answered “No”, please go to question 22.

**18. List up to five of the infrastructures held by your country, and fill in the relevant information in the table below:**

	Infrastructure	Organizations responsible for the infrastructure	Type of organization (choose the applicable option)	Are these infrastructures included in the ESFRI Roadmap?
1			<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public-Private	<input type="checkbox"/> Yes <input type="checkbox"/> No
2			<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public-Private	<input type="checkbox"/> Yes <input type="checkbox"/> No
3			<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public-Private	<input type="checkbox"/> Yes <input type="checkbox"/> No
4			<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public-Private	<input type="checkbox"/> Yes <input type="checkbox"/> No
5			<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public-Private	<input type="checkbox"/> Yes <input type="checkbox"/> No

**19. Do the infrastructures (one or more) mentioned in question 18? receive a specific funding to cover their research activities and functioning?**

- Yes    No

**20. Please identify the organization(s) that ensure the funding referred above.**

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**21. Indicate percentage of the total cost of the infrastructure covered by received funding.**

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### **Stakeholders Engagement**

**22. Does your organization benefit from stakeholders engagement in the Water RDI domain?**

- Yes    No

**If you have answered “No”, please go to question 25.**

**23. Choose the relevant description of stakeholders with whom your organization collaborates:**

- Government**
- University**
- Companies/Entrepreneurs**
- International Experts/Peer Reviewers**
- Non-profit public organizations**
- Non-profit private organizations (NGOs)**
- Environmental groups. Please specify** \_\_\_\_\_.
- Other. Please specify:** \_\_\_\_\_.

**24. How would you evaluate the level of cooperation with stakeholders performed by your organization in Water RDI?**

- Strong**
- Medium**
- Weak**

### **International cooperation**

**25. Does your organization directly manage international cooperation in Water RDI?**

- Yes**
- No**

**If you have answered “No”, please go to question 30.**

**26. Please identify the type of your international cooperation in Water RDI:**

- Definition of Programs**
- Water RDI Management Consortia**
- Open Calls** (*Mainly for RDI projects and fellowships.*)
- Mobility** (*RDI fellowships and other grants abroad.*)
- Staff Exchange** (*Short period abroad to promote the exchange of knowledge, work methodologies and approaches among managers, policy/project/scientific officers.*)

**27. Please indicate the main nature of your international cooperation in Water RDI:**

- Bilateral**
- Multilateral**

**28. Please indicate up to 3 European countries with whom your organization cooperates the most in Water RDI:**

1 - \_\_\_\_\_

2 - \_\_\_\_\_

3 - \_\_\_\_\_

**29. Please indicate up to 3 non-European countries with whom your organization cooperates the most in Water RDI:**

1 - \_\_\_\_\_

2 - \_\_\_\_\_

3 - \_\_\_\_\_

## **Technology Transfer**

**30. Does your organization own a Technology Transfer (connection of R&D to companies/industry) Office/Working Group with a Water RDI approach?**

Yes    No

**31. If you have chosen “Yes” in question 28, please briefly describe the main activities of the mentioned Office/Working Group.**

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# FUNDING SCHEMES ON WATER RDI

## Actors and areas

- Main focus of RDI, indicated distribution between them in %:
  - Basic research
  - Applied research
  - Innovation
- Funding distributed between different types of Institutions
- Regulatory sources as drivers for Water RDI Programs/Projects

# Strategies and thematic priorities

- **Strategic priorities distributed between the research questions addressed in the Vision document**
- **Thematic priorities for funding:**
  - Planning and Management of Water Resources
  - River Basin Management
  - Wastewater Management/ sanitation
  - Water Scarcity
  - Coastal Zones Management
  - Ecological and Chemical status
  - Rural Water
  - Urban Water
  - Potability
  - Effects of and adaptation to Climate Change
  - Economic use of Water Resources
    - Hydro-power
    - Transports
    - Fishing
    - River beaches, etc
  - Evaluation of environmental impacts.
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    - Pollution from point sources
    - Pollution from diffuse sources
    - Impacts from hydro morphological alterations/water regulations
    - Reduction of river continuity
    - Alien species
    - Water abstraction
    - Other. Please specify: \_\_\_\_\_

# Activites/fields funded

	National Public funding	National Private funding	EU funding	Other – please specify
RDI Programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> ----- ----- --
RDI Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> ----- ----- --
Only Innovation Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> ----- ----- --
Infrastructures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> ----- ----- --
Fellowships/ Mobility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> ----- ----- --

## Funding

- Evaluate the funding of,
  - programs,
  - projects,
  - infrastructures,
  - fellowships/mobility (national, european, beyond Europe)
- Comparing funding of Water RDI-activities and funding of RDI activities in general
- Average annual amount (euro/year) during 2007 – 2012
- Average number of activities within each field 2007-2012

## Cooperation with companies

- Evaluation of effectiveness of cooperation in projects, infrastructures
- Evaluation of efforts of funding
- **Calls for projects**
- Periodicity of calls
- Average/maximum amount funded per project
- Average duration of projects
- Funding of foreign organizations/companies – percentage funded in projects

## International cooperation

- Type of funding,
  - real common pot, virtual common pot, mixed mode
- Participation in European instruments:
  - JPIs, ERANETS, etc

## Available data and evaluation of Water RDI

- Access to lists of national experts, pool of international reviewers
- Use of evaluation panels
- International and national
- Outputs which the organizations monitors/evaluates through Scientific committees/evaluation panels

# Water RDI performing

- Areas for RDI, same Strategic and thematic alternatives as for funding institutions.

# Infrastructure

	Infrastructure (please list up to 5 infrastructures)	Type of infrastructure (choose the applicable option)	Are the infrastructures included in the ESFRI Roadmap?	Are the infrastructures associated to National RDI Agendas (Planning)
1		<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public- Private	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2		<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public- Private	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
3		<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public- Private	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4		<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public- Private	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5		<input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Public- Private	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

- Funding of the infrastructures,
  - funding organization, funding scheme, percentage of funding

# Stakeholders engagement

- Participants
- Evaluation of cooperation
- **International cooperation**
- Type of cooperation
  - Bilateral/multilateral
  - Definition of programs
  - Water RDI Management Consortia
  - Open calls
  - Mobility
  - Staff exchange
- European instruments in which the country participates
- Indicate three countries with whom the organization cooperates (European, Non-European)
- Identify the foreign institutions with whom the organization cooperates

## Water RDI funding

- Type of expences executed within the funding received:
  - Human Resources
  - Travel
  - Consumables
  - Equipment
  - Buildings Adaptation
  - Bibliography
  - Conferences/Workshops
  - Organization Fees
  - Overheads
  - Other, please specify\_\_\_\_\_

## Water RDI funding

- **Water RDI**

- Average annual sum during 2007-2012 (Euro/year)
- Average annual number of projects 2007-2012

- **RDI all themes.**

- Average annual sum 2007-2012 (Euro/year)
- Average annual number of projects 2007-2012

- **Distributed into:**

- RDI projects
- Only innovation projects
- Infrastructures (National, European, beyond Europe)
- Fellowships/mobility

# Towards SRIA (Strategic Research and Innovation Agenda) version 1.0



by WatEUr WP3 Team,  
Led by IRSTEA, France,  
Co-led by AKA, Finland

# Towards SRIA (Strategic Research and Innovation Agenda) version 1.0

- Discussion of the results of the Pilot Call questionnaire on research and innovation topics.
- Presentation, discussion and adoption of a plan for the production of the first version of the agenda and interim documents.
- The Third meeting of the Advisory Boards can be planned to the benefit of this goal.

# PILOT CALL

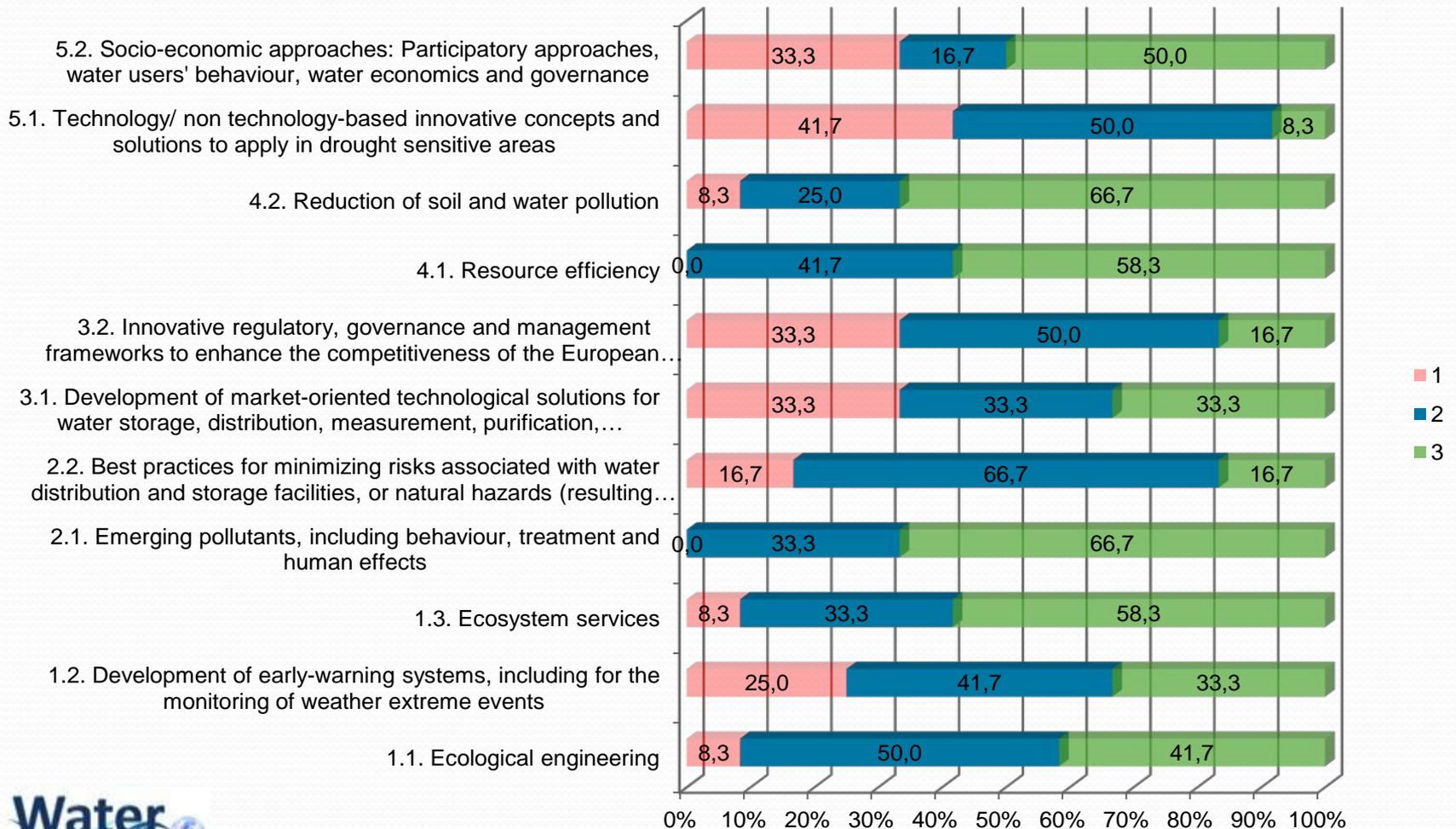
## Questionnaire (12 responses)



# Question: Research sub-topics ranking results

- Presentation of very preliminary results
- Aim of the questionnaire:
  - To get an understanding of the interest of the institutions to participate in a call that tackles different research issues
  - To « test and design » the questionnaire
- 12 responses to the questionnaire (9 valid responses for the research items)

# Question: Research sub-topics ranking results



# Question: Research sub-topics ranking results

- High interest in topics **2.1** « Emerging pollutants, including behaviour, treatment and human effects » and **4.2** « reduction of soil and water pollution »
- Other high-ranked topics: **1.3** « ecosystem services »; **4.1** « resource efficiency »
- Low-ranked topic: **5.1** « technology/non technology-based innovative concepts and solutions to apply in drought sensitive areas »

# PILOT CALL Questionnaire (12 answers)

Other than theme questions



# PARTICIPANTS

## **Would your institution be interested in participating in a pilot call for projects of Water JPI in 2013**

- Yes 7 (MINECO, FCT, AKA, EPA, RCN, France –ONEMA, DCSR)
- No 1 (NL Agency)
- Depends 4 (NERC, JULICH, BMLFUW, TUBITAK)

## **Theme**

- Wide: 6
- Narrow: 4 (possibly limited funds?)

## **No. of partners (and countries)**

- MINECO: 3-6/8 (3); FCT: 3-10 (3); AKA: 3-∞(3); EPA: 3->15(3); RCN: 3-∞(3); JULICH: 3-?(3); DCSR: 3- ∞ (3)
- **No objections against Non-WATER JPI funding organisations participating in the pilot call (e.g. observers)**

# CALL FORMAT

## **Submission of the projects?**

- Two steps process: 4
- Only full proposals: 5

## **Evaluation process?**

- Evaluation by a review panel plus external referees: 5
- Evaluation by a review panel: 5
- No preference: 1

## **Timing for call publication (months)**

- 5-6 deadline by 9: 2
- 6-7 deadline by 9: 0
- 6-7 deadline by 10: 6
- Other: call publication in 8-9 (JULICH), call publication in 8 deadline by 11

# Would your institution support participation of companies in the consortia?

- Companies can participate but they are not eligible for funding
  - YES: 3
  - NO: 3
- Will your institution be able to finance totally or partially the participation of national private companies?
  - YES: 5
  - NO: 1
  - DEPENDS: 3
- Only public research organizations can participate in the consortia
  - YES: 2
  - NO: 5

# Funding

- **Budget**

- MINECO: 1-1,2M€; FCT: 200k; AKA: 25-150k/y; EPA: 50-100k; RCN: 4-600k; JULICH: depends, BMLFUW: 10k/y; ONEMA: 500k; DCSR: 0,5-1M€

- **Commitment promise 2013 (month)**

- MINECO (5); FCT (4); AKA (6), EPA (3); RCN (5); JULICH (5); BMLFUW (spring); TUBITAK (?); France (11); DCSR (6)

- **Type of funding instrument**

- Virtual common pot: 8
- Real common pot: 3 (BMFLUW, France, Denmark)

# On which parameters your institution decision will be depending on (5)

- Availability of funding: 5
- Priorities decision by your institution: 5
- Participating institutions or countries: 2
- Thematic areas proposed by other partners: 3-4
- Other
  - NERC: Many factors, including: Scale of funding/ Alignment with other European & other international priorities & initiatives eg. H2020 Belmont Forum/Lead in timing
  - JULICH: selected thematic areas agreed on by JPI Water
  - DCSR: possibility to participate in the call to be known in June
    - **(probably on all others too?)**

**If your answer to question in line 3 was No,  
please answer the following questions (1)**

**Why would your institution not participate?**

- Unavailability of funding (NL Agency)
  - **(probably on all others too?)**

# The pilot Water JPI call



by WatEUr WP4 Team,  
Led by NERC, United  
Kingdom

Co-led by Jülich, Germany

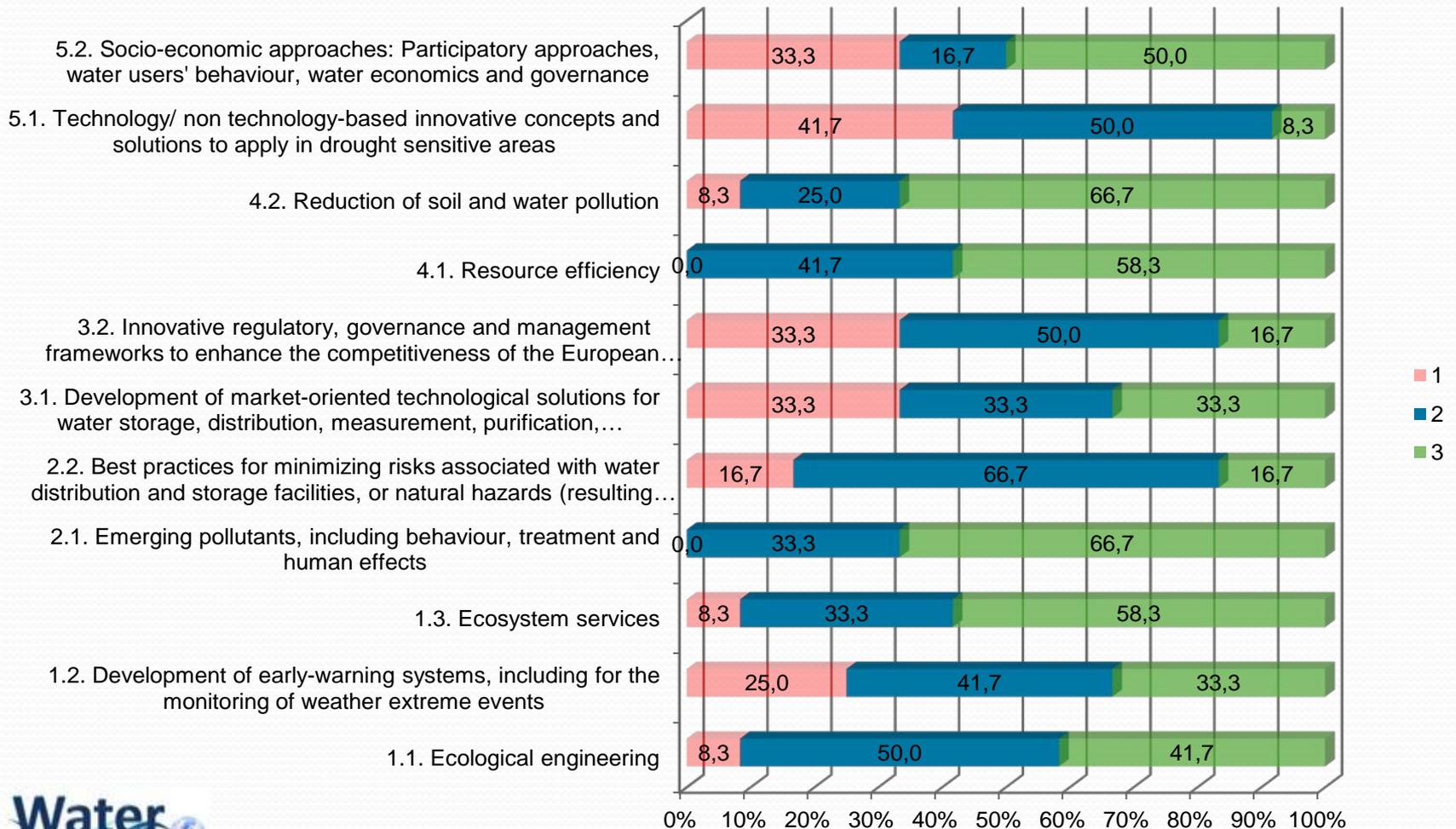
# The pilot Water JPI call

- Discussion of the results of the Pilot Call questionnaire on call morphology.
- Presentation and discussion of the main traits of the Pilot Call, which will be approved for launching by GB#2 in May 14th. Adoption of resolutions on Call characteristics.

# Question: Research sub-topics ranking results

- Presentation of very preliminary results
- Aim of the questionnaire:
  - To get an understanding of the interest of the institutions to participate in a call that tackles different research issues
  - To « test and design » the questionnaire
- 12 responses to the questionnaire (9 valid responses for the research items)

# Question: Research sub-topics ranking results



# Question: Research sub-topics ranking results

- High interest in topics **2.1** « Emerging pollutants, including behaviour, treatment and human effects » and **4.2** « reduction of soil and water pollution »
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- Low-ranked topic: **5.1** « technology/non technology-based innovative concepts and solutions to apply in drought sensitive areas »



Lunch break

# WP 5

Coordination with activities  
outside Europe



Hans Kuypers  
AgencyNI  
Ministry of Economic affairs  
The Netherlands

# Planning WP 5

<b>Goals</b>	<b>Results</b>	<b>Activities</b>	<b>Start</b>	<b>Completion</b>
1. More insight in water RDI programmes outside Europe	1.1 List of countries outside Europe with significant RDI programme on water + ranking	1.1.1 Inventarisation of potential partners	4/2013	9/2013
		1.1.2 Building up a list with selection criteria	4/2013	5/2013
		1.1.3 Selecting top 10	9/2013	10/2013

# Planning WP5

<b>Goals</b>	<b>Results</b>	<b>Activities</b>	<b>Start</b>	<b>Completion</b>
2. More insight in existing cooperation between JPI countries and countries outside Europe	2.1 List of existing cooperations + ranking	2.1.1 First inventarisation of existing cooperations	4/2013	9/2013
		2.1.2 Ranking most occurring	9/2013	10/2013

# Planning WP5

<b>Goals</b>	<b>Results</b>	<b>Activities</b>	<b>Start</b>	<b>Completion</b>
<b>3. Effective cooperation outside Europe</b>	<b>3.1 Top 5 countries to intensify cooperation with</b>	<b>3.1.1 Criteria to compare countries, themes, gaps and oppotunities</b>	<b>10/2013</b>	<b>1/2014</b>
		<b>3.1.2 Comparison of 2 top 10 lists</b>	<b>1/2014</b>	<b>3/2014</b>
		<b>3.1.3 Selection of top 5 to cooperate with</b>	<b>3/2014</b>	<b>3/2014</b>

# Coordination of the communication and dissemination activities



by WatEUr WP6 Team,  
Led by ISPRA, Italy  
Participants: MIENCO,  
NERC, EPA, JÜLICH

# Objectives

1. Enabling the **exchange of information** on relevant national and regional activities and agendas
2. Facilitating the **coordination** of such initiatives, the sharing of information, experiences, best practices, methodologies, innovative products and the **development of synergies** among all JPI partners and stakeholders
3. Providing information to wider audiences and also **efficient knowledge transfer** to particular users



# MAIN TOOLS

- The project WEBSITE
- Flyers
- Leaflets
- Posters
- Press releases



**Newsletter**

- The monthly NEWSLETTER

# FIRST ACTIVITIES

- At the end of July 2012 we opened the **preliminary webpage of the WATERJPI** [www.waterjpi.eu](http://www.waterjpi.eu) making available for public consultation all documents related to this initiative.
- A **poster** was presented during the **CIS-SPI third event** held in Brussels on 14<sup>th</sup> -15 th November 2012.

# THE WEBSITE

After the signature of the WatEUr Grant Agreement  
in December 2012

**we inserted a**

**link to the Coordination and Support Action**

**in the website [about-wateur](#) in order to provide  
information about the objectives of the CSA, the  
partnership, the workpackages.**



# THE NEW WEBSITE

- Last December ISPRA started the procedure to subcontract the ITC services for the **new improved version of the WATER JPI and WatEUr website.**

A call for tenders was published on ISPRA's webpage on the 13 December 2012 [isprambiente](http://isprambiente) and we received three expressions of interest.



- Before Christmas holidays we invited these three ITC firms to send their best offer to provide the service required and specified in the tender specifications.

# SUBCONTRACTING

- At the end of the fixed term we received only one offer and the commission charged by our DG to carry out all steps of this tender is completing the procedures necessary to sign the contract with the **ALPHA Consult *ltd* based in ROME.**



- We should have the **new website in March** according to the milestone foreseen in the CSA

# THE JPI NEWSLETTER

- The new version was circulated on **22<sup>nd</sup> January 2013** to the list of JPI contacts provided by Enrique including partners, observers, members of EB ,GB, STB, SAG.



- The newsletter was also sent to the **recipients** indicated by the Coordination team, to the list of almost **200 Italian contacts compiled by ISPRA**, to other **approximately 1000 e-mails of colleagues** who have been partners in other projects and EU initiatives. *Many of them are working in water related institutions based in European Eastern countries like Poland, Bulgaria, Romania.*

# MORE CONTACTS



- I feel we should improve our **capacity to disseminate the Water JPI activities enlarging this contacts database.**

*So, please prepare a list of possible recipients of the JPI newsletter in your country and send it to me.*



- I also need your cooperation to create an **archive of beautiful photos of water** to be published on the website and the newsletter. At the moment I have a collection of some pictures made by a colleague but I will run out in few months.



# COOPERATION REQUIRED



Please provide me also with **information about water research issues** you would like to see published on our newsletter.

*Also news about upcoming events or workshops proceedings, scientific papers etc are very welcome.*



# NEXT STEP

## THE WATER JPI COMMUNICATION STRATEGY



It is due on ***April 2013.***

The first draft will be ready by the

***mid/end of March***

for circulation

among the WatEUr partners

***Thank you for your kind attention***

# Towards the Third meeting of the Governing Board (May 14<sup>th</sup>, 2013)



by Enrique PLAYÁN

# GB #3

- May 14<sup>th</sup>, 2013, Copenhagen
- Identifying contents for the agenda
  - Reviewing and eventually approving progress in WatEUr
    - Selecting item(s) for the pilot call
    - Adopting the Pilot Water JPI Call
    - Assessing project start-up
  - Tracking progress in related initiatives
  - Reviewing Water JPI main documents
    - Vision
    - ToR Management Structure

# GB #3

- Electing GB leadership, according to the ToR:
- “The roles and functions of the GB include: To elect the President and Vice-president of the GB for a period of two years”
- “The terms of office of President and Vice-president shall begin on the first day after their predecessors' terms of office, with the possibility of one reappointment”
- “The President of the EB will be appointed by the president of the GB upon his election. The vice-president of the EB will be appointed by the vice-president of the GB upon his election. The terms of office of President and Vice-president of the EB shall begin on the first day after their predecessors' terms of office, with the possibility of one reappointment. “

# GB #3

- Need to run elections for President and Vice-President
- Spain and The Netherlands will present candidates for these positions.
- The process is now open for more candidacies, up to the day of the meeting
- Electing new governance will be the first non-routine item on the agenda.

# Towards the Sixth Meeting of the Executive Board (September-October, 2013)



by Enrique PLAYÁN

# EB #6

- Selecting a date
  - EB #4 was held on October 17, 2012
- Identifying contents for the agenda
  - Reviewing and eventually approving progress in WatEUr
  - Tracking progress in related initiatives
  - Reviewing Water JPI main documents
- Inviting partners to offer a meeting location

# Any other business



by Enrique PLAYÁN

# Debriefing on the outcome of STB#2



by Damià Barceló,  
President

# JPI- STB Madrid February 5-6 2013- Final Document March 15<sup>th</sup>, 2013

- The Scientific and Technological Board (STB) of the JPI Water met in Madrid on February 5-6<sup>th</sup>, 2013 and recommended specific priority topics for consideration in the forthcoming call for proposals. This document represents a summary of the discussion following on from STB document approved in Brussels on October 18-19<sup>th</sup>, 2011.
- The research and technological recommendations have been presented to the Governing and Stakeholder Advisory Group of the JPI at the last session of the meeting in Madrid. The priority areas summarized in this document are recommended to form the basis of the first call of the JPI Water that is envisaged to take place the second half of 2013. In their deliberations the STB considered two relevant documents from the European Commission: 1) The European Innovation Partnership on Water- EIP Water-, and 2) the most recent draft document available of the Horizon 2020.

# Selected topics

## 1. Impact of Climate (Global) Change on Water Resources under different scenarios

Risk-management of water-related extreme events, such as floods and droughts, is a critical component of climate change adaptation. A key challenge is how to manage risks related to extreme events in a holistic way. This requires innovation in dealing with uncertainties such as scenario planning and adaptive and robust decision-making. The projects that will be supported through this topic should provide valuable understanding of hydrological pathways and processes, improvements to models at different scales, from catchment to river basin scale, (including socio-economic drivers), with a final goal of assessing ecosystem sustainability under different scenarios for climate change and socio-economic development and in different environmental, socio-economic and cultural contexts. Overall the projects in this topic will provide to river basin managers useful information and tools for a better implementation of the revisions of the river basin management plans of the Water Framework Directive. It will support the coordination with the Floods Directive and the Council conclusions on Water Scarcity, Drought and adaptation to Climate Change, and it will take into consideration as well the Water-Food-Energy nexus in policy implementation.

## **2. New and Emerging Contaminants and Risks (e.g. antibiotic resistance, nanomaterials,) in waters**

Projects on this topic should address the issue of new and emerging contaminants like for example pharmaceuticals, personal care products, perfluorinated and organosilicon compounds, as well as emerging risks such as antibiotic resistance, cyanotoxins and nanomaterials present in treated as well as in receiving waters. Projects funded should consider as well rapid analysis and detection systems focused on new and emerging contaminants. They will also aim to provide new data on the fate and behavior of these emerging compounds and risks and to human and environmental health.

### 3. Overall solutions for wastewater treatment and reuse

Wastewater treatment and reuse has been identified as a key research topic at European level in responses to the challenges of global water security as a consequence of an increasing demand from population growth, agricultural production and water scarcity driven by climate change. It is also recognized that Europe is a global leader in providing technological solutions for water treatment either wastewater or drinking water.

Projects supported in this topic should endeavor to develop robust and cost-effective technological solutions for wastewater treatment and reuse taking into account different water uses such as groundwater recharge, irrigation for agriculture (\*), water for industry and potable water. Projects should identify solutions to overcome not only technological aspects for safe treated water, but also issues related to ecosystem sustainability as well as the adaptation of health quality standards, public acceptance and relevant financial constraints.

## 4. Water Platform and Observatory

The STB identified a horizontal/infrastructure oriented topic that is not a research topic by itself but it is an element of support to the research that will give capacity building and networking to the JPI Water. The STB considered one priority topic already mentioned in the previous summary of the STB, the so called Geosciences Observatory, and added to it more water related issues that were considered of importance by the STB. The Water and Platform Observatory will bridge and integrate already existing network of hydrological observations at EU level, like for example the TERENO-, the HOBE, LOCAR as well as with other networks outside EU such as the Critical Zone Observatories in the USA. The Water Platform and Observatory should aim to provide a unique research infrastructure of benefit to JPI Water, Horizon 2020 as well as nationally funded research within EU. Finally this Water and Platform Observatory should create a “Water-Hub” encouraging the collaboration between the private and public sector.

# SAB report

by Durk Krol, WssTP,  
President

How to design the Water  
JPI Agenda taking into  
consideration H2020 and  
the EIP on Water?



# Why

- Proper analyses arguments in favor and against JPI to ensure effective JPI - building bridges for individual countries.
- Build on existing work & create own identity (how?)
  - Not repeat work already done and provide added value in regard to:
    - EIP, WssTP, ACQUEAU,...
    - H2020, LIFE+, ERDF (smart specialization), ...
  - Doings things differently
    - Creating shared/ sharing infrastructure, data and software
    - Use system-based analyses approach
    - Promote funding coordination regional, national, and EU level
- SAB should proactively contribute to the questionnaire for the mapping exercise what topics MS want to cooperate or not!

# H2020 – helicopter analyses!

- Gap analyses:
  - Continued need for fundamental research to provide a base for the next generation technology (outside market considerations)
  - Industrial Leadership
    - Add novel technologies
    - Remote sensing to be included in space
    - ICT and Biotechnology also important
  - Societal challenges:
    - All dimensions relevant
    - Transport should include 3 dimensions:
      - Water as bulk product
      - Water as a means of transport
      - Risk management

# EIP Water – helicopter analyses!

- Basic concept fine BUT EIP already a traditional approach!
- Missing:
  - Water system design innovation
  - Water-energy-**food**
  - Infrastructure low priority
  - Specific regional challenges, ex flood defense
- Barriers: show evidence of benefits to policy makers!

# Next steps & homework

- Provide clarity on future role fiches
- Link fiches with mapping national programmes
- Consultation in network organisations.
- Expansion SAB
  - Rhine, Meuse, Donau committee
  - Governmental policy rep

# Summary of decisions adopted in the meeting and Closure



by Enrique PLAYÁN



Thanks