







Water Science reaching Policy and Industry – Snapshot of the Horizon2020 framework

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WFD

Adopted on 20.12.2000

Commission



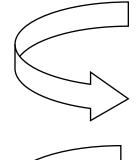
(and parent legislation)

Anticipating – Feeding with research outputs linked to well defined Poliv milestones

River basin districts
Delineation water bodies
2005

Analysis of pressures and impacts 2005

Classification of bodies 'at risk'



Design of monitoring Programmes 2006

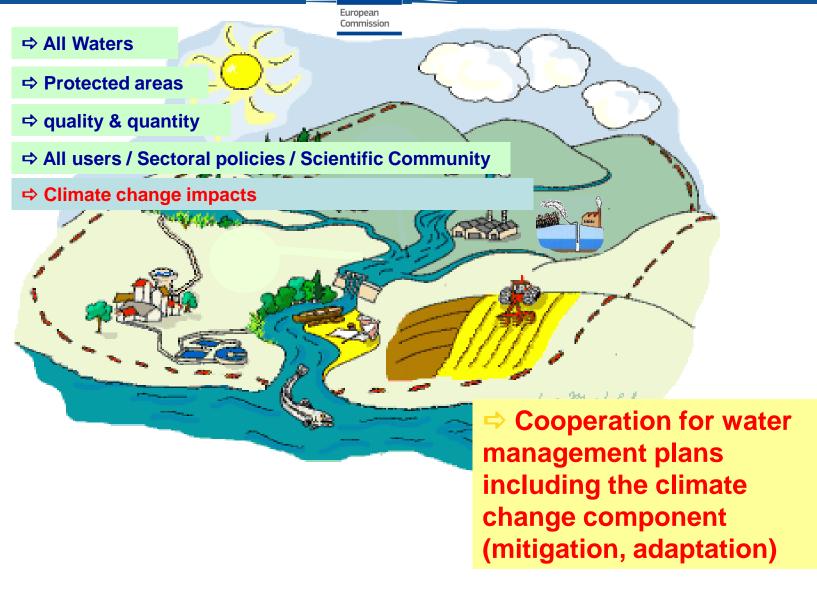
RBMP - 2009/2015

6 years cycle / Review

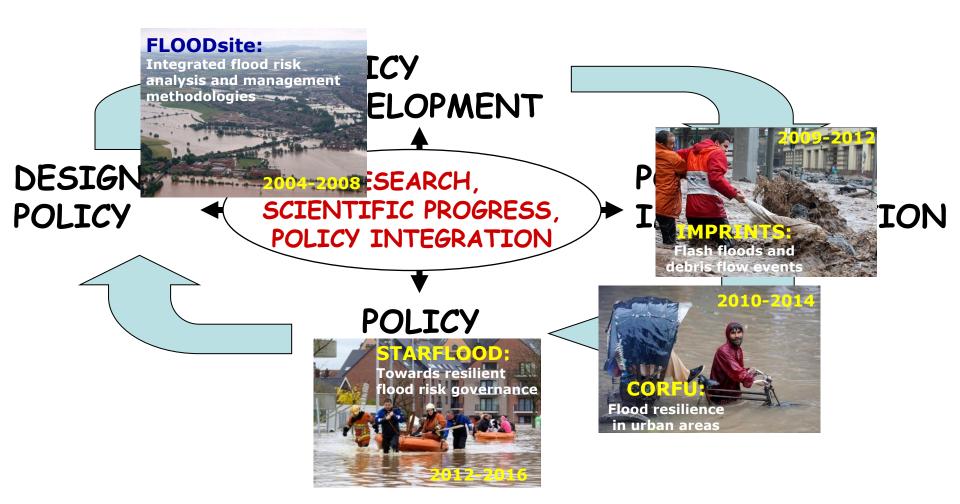
Programmes of Measures 2012

GOOD STATUS
OBJECTIVE

Working on a catchment level: regional scale!



Links with policy milestones - ex. floods



European Commission

Key underlying principles

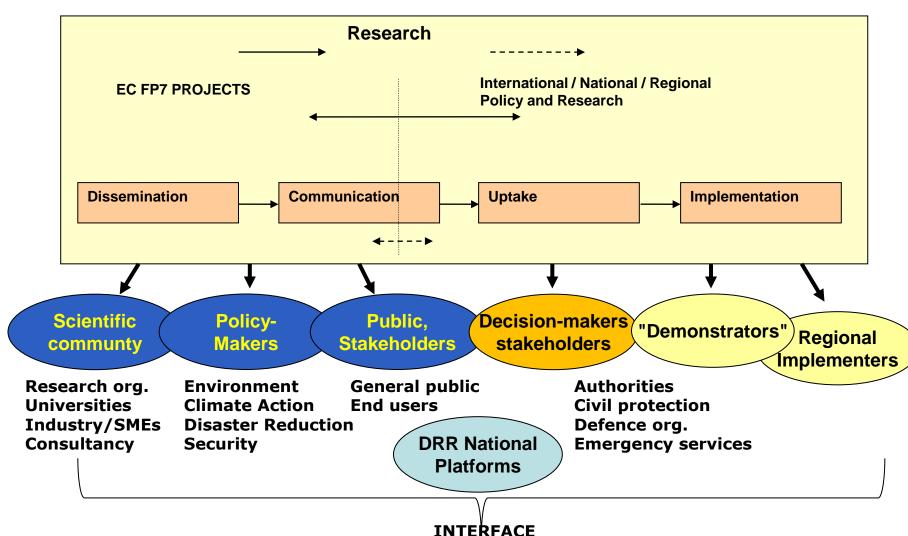


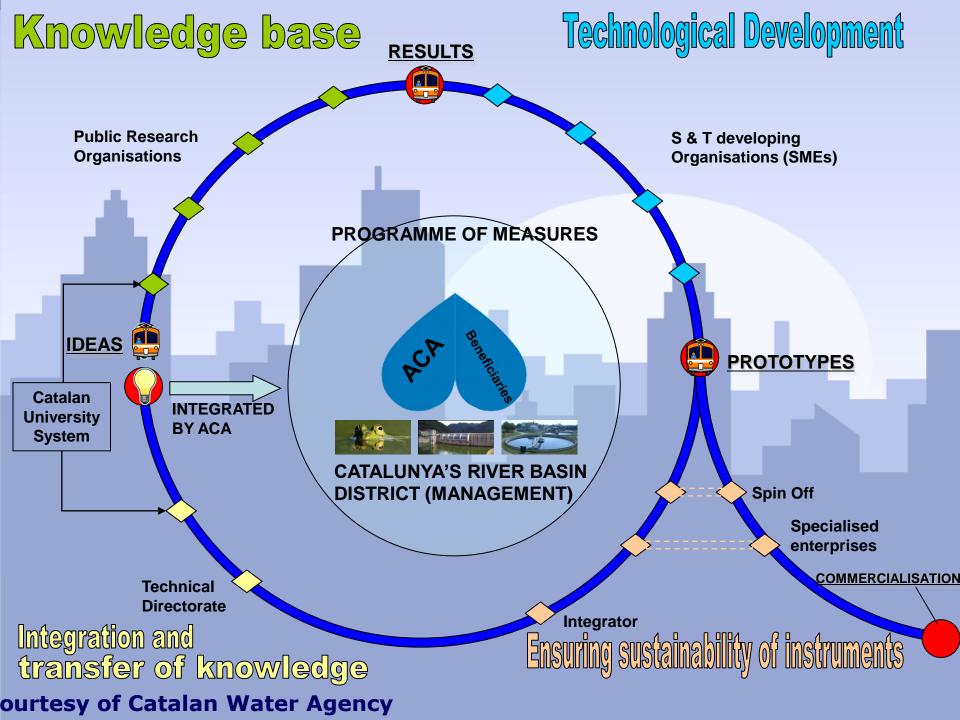
• Building on experience (incl. scientific knowledge), planning and programmes already in place; using existing cooperation structures such as river basin agreements



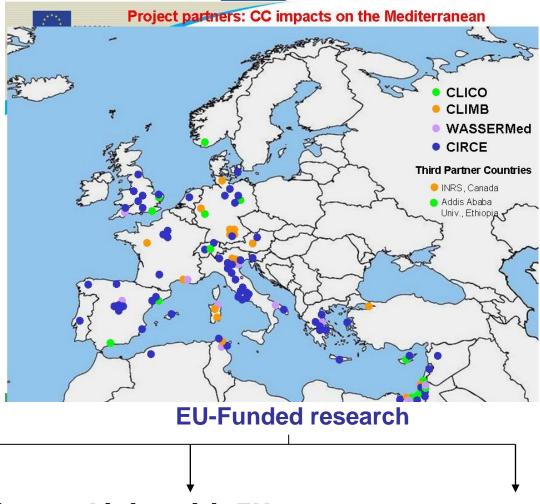
Research Implementation







Networking efforts to limit fragmentation

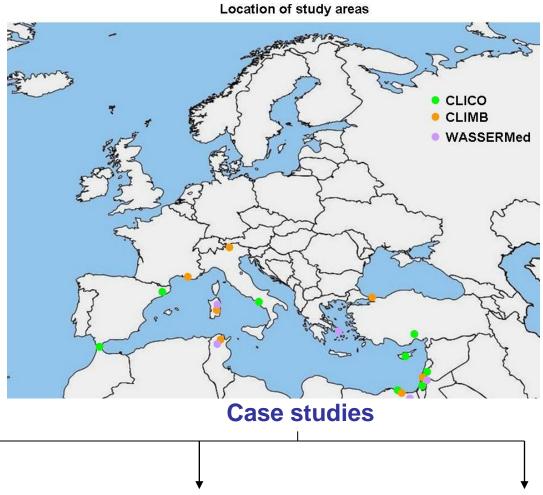


RTD synergies, **Critical mass?**

Links with EU, stakeholders?

Joint dissemination National, regional strategies, communication efforts (single voice)?

Using case studies as a link to regional scale



Project data: EEA, WISE?

projects, incl. **INTERREG?**

Links with regional Links with River Basin **Authorities, local science** providers, others?

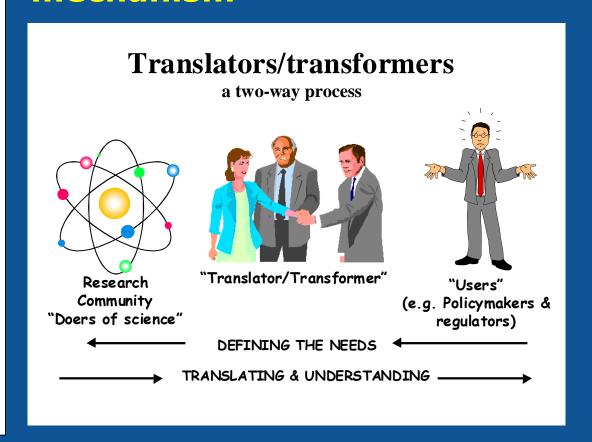
who - is your audience or the users of the information?

what - do they need to know?

how - is it best presented?

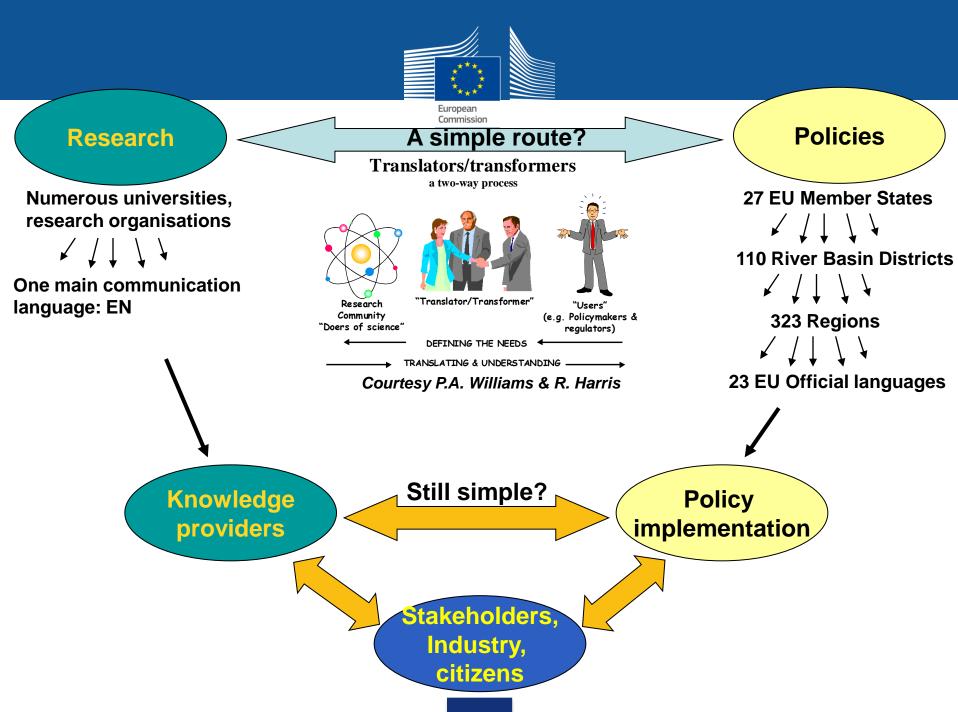
when - do they need the information?

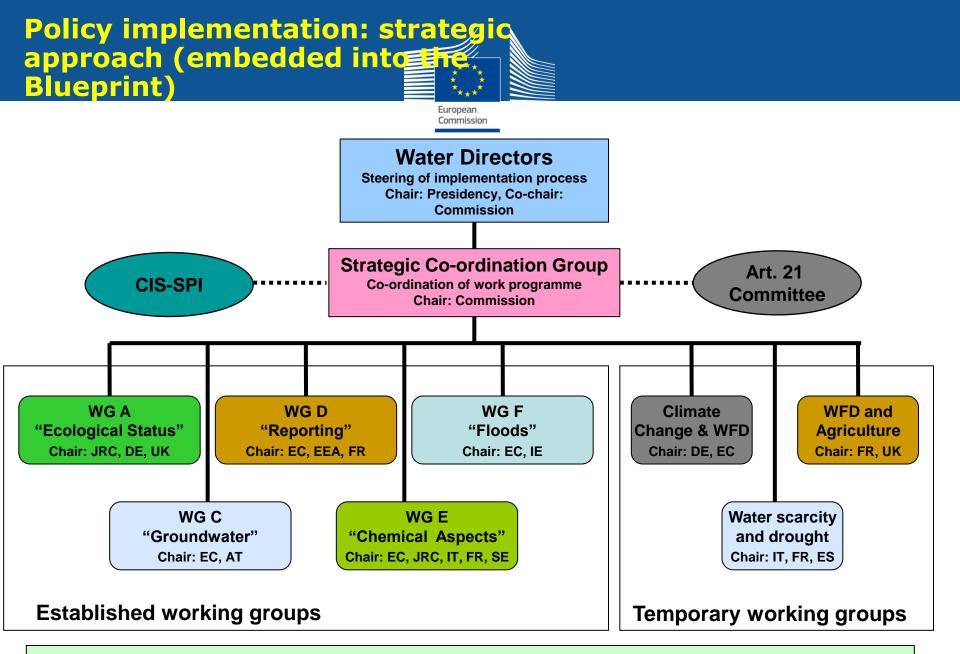
Needs for "mediation" mechanism



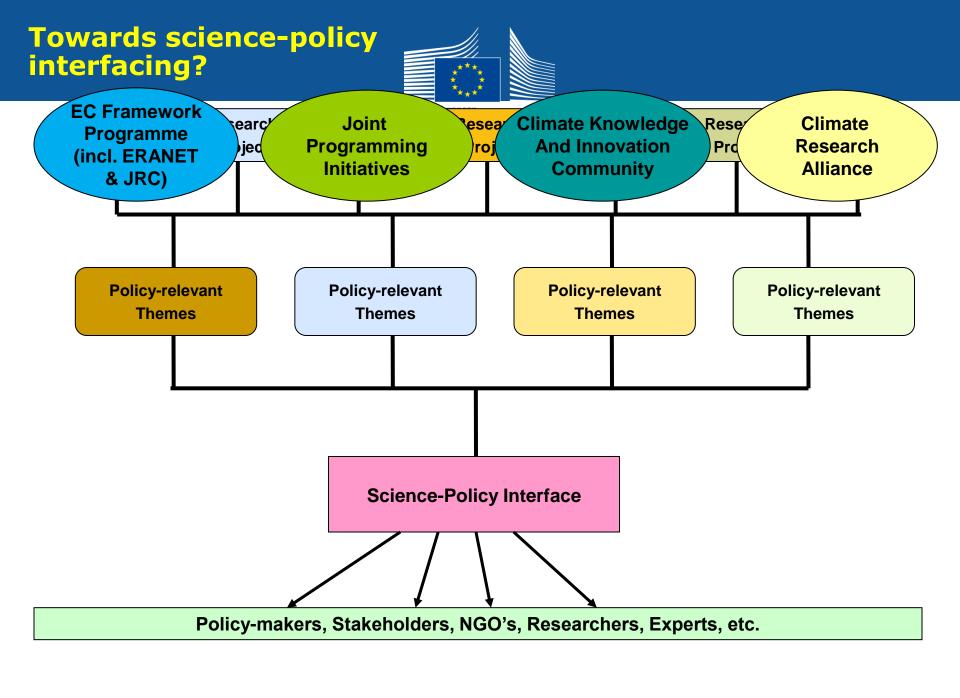
How to ensure an efficient "transforming" work?

Courtesy of Peter Allen-Williams (IWRM.Net) & Bob Harris





Stakeholders, NGO's, Researchers, Experts, etc.





Horizon 2020 is different

- A strong challenge-based approach, allowing applicants to have considerable freedom to come up with innovative solutions
- Simplified list of possible actions (e.g. research and innovation -100%; innovation actions - 70%,...)
- Less prescription, strong emphasis on expected impact
- Cross-cutting issues mainstreamed (e.g. social sciences, gender, international...)



A strategic programming approach

- Work programme preparation based on guidance obtained from a strategic programming exercise
- Work programmes with a 2 year-duration
- Leitmotif of the first work programme is the economic crisis and the path to sustainable growth - Horizon 2020 can make a significant contribution to this effort
- 'key drivers' used to identify areas on which resources and effort will be focused for maximum impact
 - focusing on sustainable competitiveness, innovation and growth;
 - measures to leverage engagement of industry, including SMEs;
 - access to finance;
 - developing new knowledge and contributing to skills;
 - deployment of enabling technologies;
 - measures to address the research and innovation divide;
 - supporting strong partnership with Member States; and
 - strategic approach to international cooperation.



Focus Areas

- Strategic programming identifies focus areas, each covered by a specific call, that:
 - Bring together activities from different challenges and enabling technologies
 - Provide support across the innovation chain from research, to development, to proof of concept, piloting, demonstration projects, and to setting standards and policy frameworks.
 - Make use of the full spectrum of funding schemes and types of action e.g. research and innovation actions, innovation actions, ERANets, SME instrument...
 - Integrate different perspectives, including from the social sciences and humanities, gender perspectives, and international strategy



Work Programme topics

Structure reflects the challenge based approach

- 3 key features

Specific Challenge

 sets the context, the problem to be addressed, why intervention is necessary

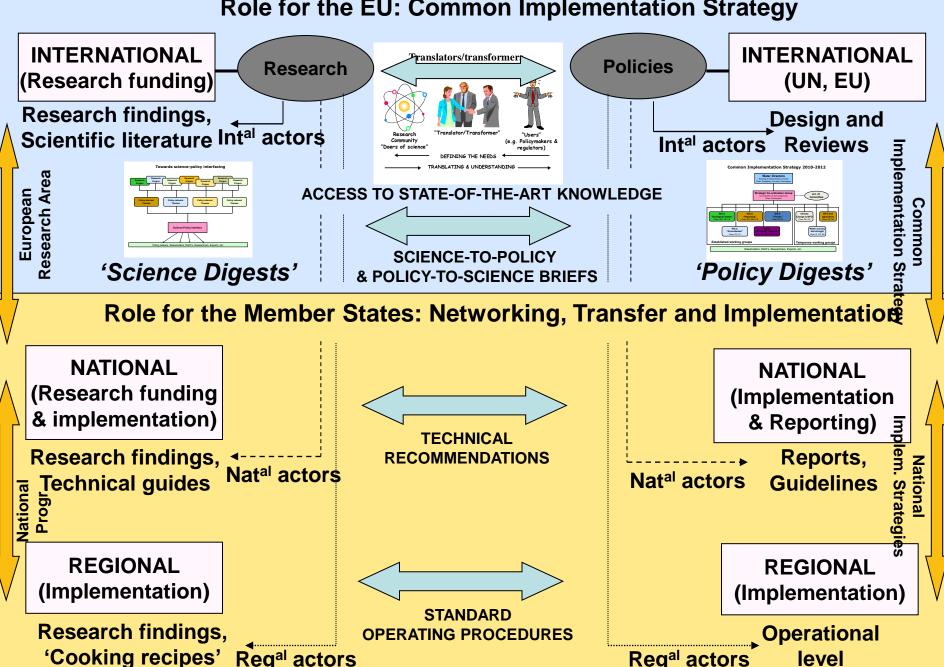
Scope

 delineates the problem, specifies the focus and the boundaries of the potential action BUT without overly describing specific approaches

Expected Impact

 describe the key elements of what is expected to be achieved in relation to the specific challenge

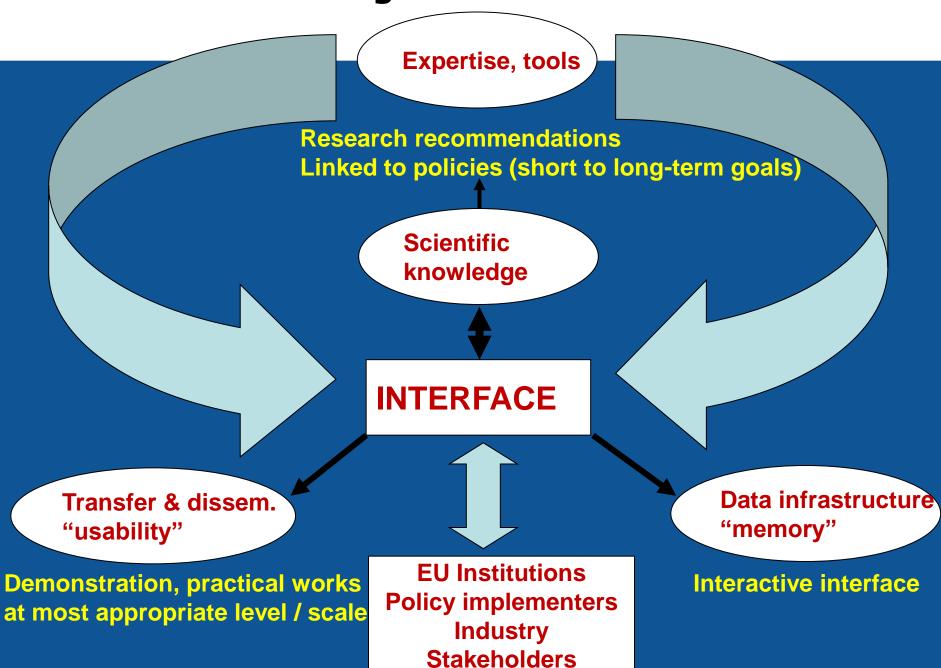
Role for the EU: Common Implementation Strategy



Regal actors

level

The ultimate challenge?



Conclusions Some challenges...



- Challenge 1 Increasing and streamlining communication of knowledge derived from EU research projects to reach targeted audiences: needs for professional communication strategy with various vectors, e.g. layman factsheets, tailored seminars, established dialogue at all project steps, e-leaning etc.
- Challenge 2 Improving accessibility and transfer of water research results through a "cascade-type" communication, e.g. factsheets, guidance documents, technical guidelines discussed and agreed among scientists, policy-makers and stakeholders, with established links to demonstration / capacity building initiatives at regional/local level
- Challenge 3 Strengthening the water Science-Policy-Industry Interface to become results-oriented: linked to the above needs and challenges and requiring an effective "institutionalised" transfer mechanism with professional "mediators"

Thank you for your attention!