



NWRM

Natural Water Retention Measures

Web-based knowledge
Community of practice
NWRM practical guide



European
Commission



Office
International
de l'Eau

Pilot Project - Atmospheric Precipitation - Protection and efficient use of Fresh Water: Integration of Natural Water Retention Measures in River basin management

Service contract n°ENV.D.1/SER/2013/0010

Which pre-conditions for supporting the effective design, selection and implementation of NWRM?

Pierre Strosser
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Linking Floods Directive and Water Framework Directive
October 8th & 9th, 2014 – Rome, Italy





The analysis

We like NWRM...

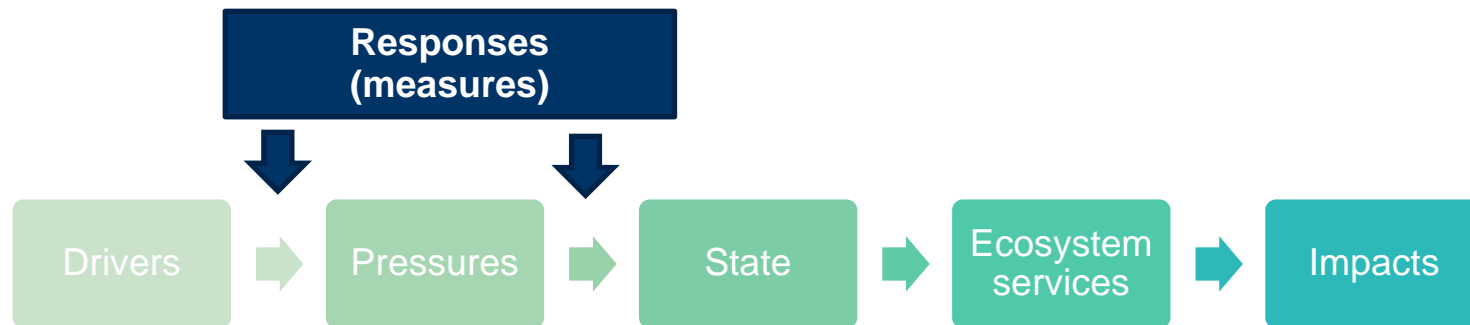
... But they are far from being “mainstream” measures... yet!

What might help? Focusing on four key issues:

- Knowledge
- Catchment planning
- Governance
- Financing

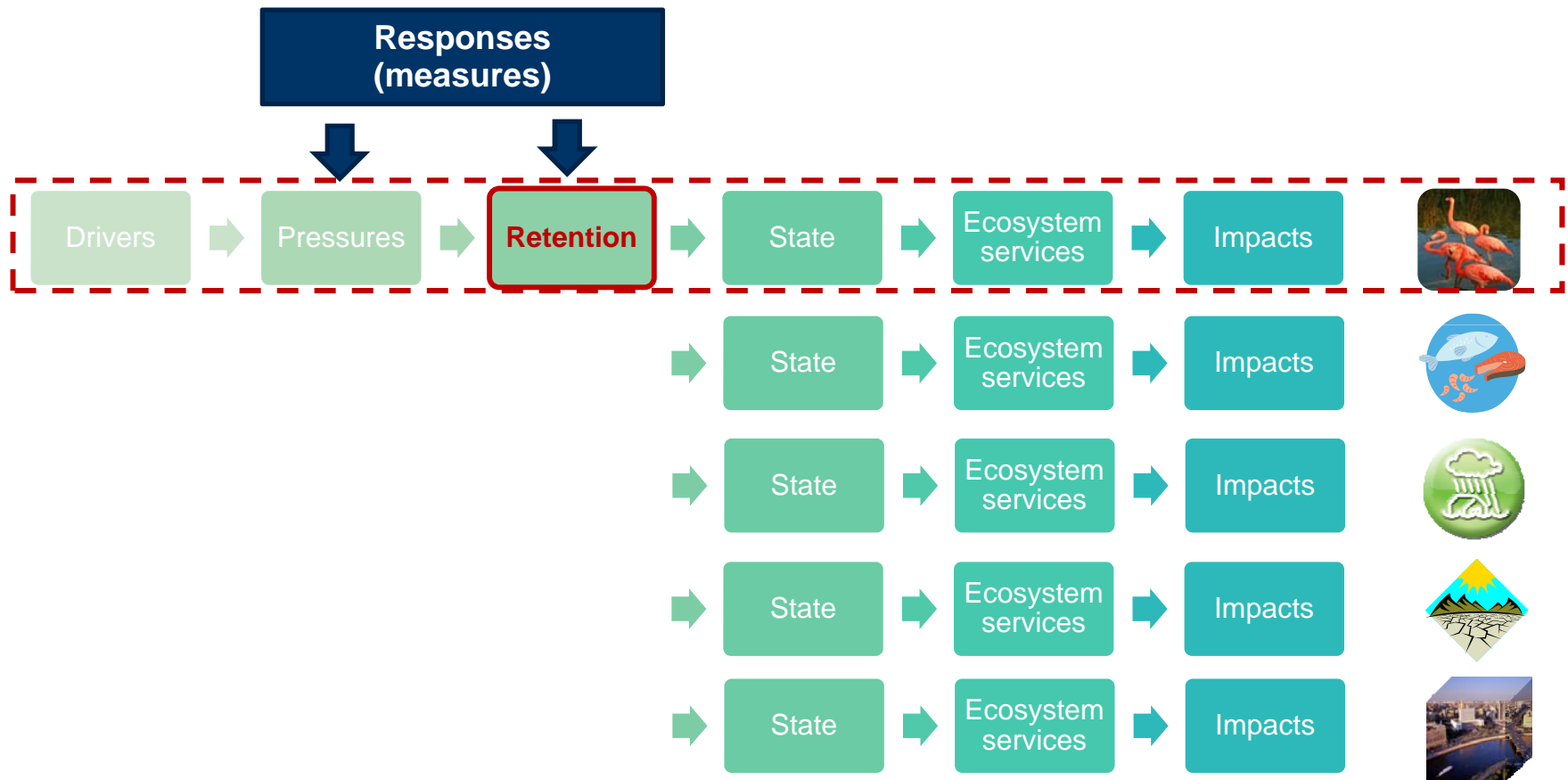
Strengthening the knowledge base (1)

The knowledge we are looking for



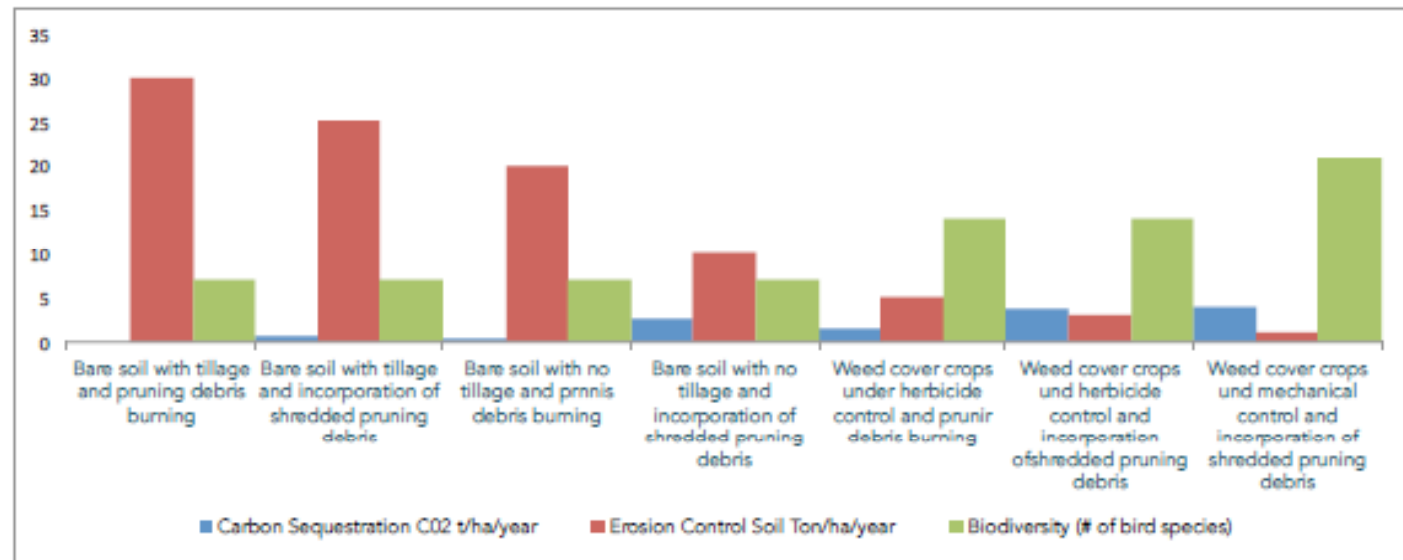
Strengthening the knowledge base (2)

What it implies for NWRM



Strengthening the knowledge base (3)

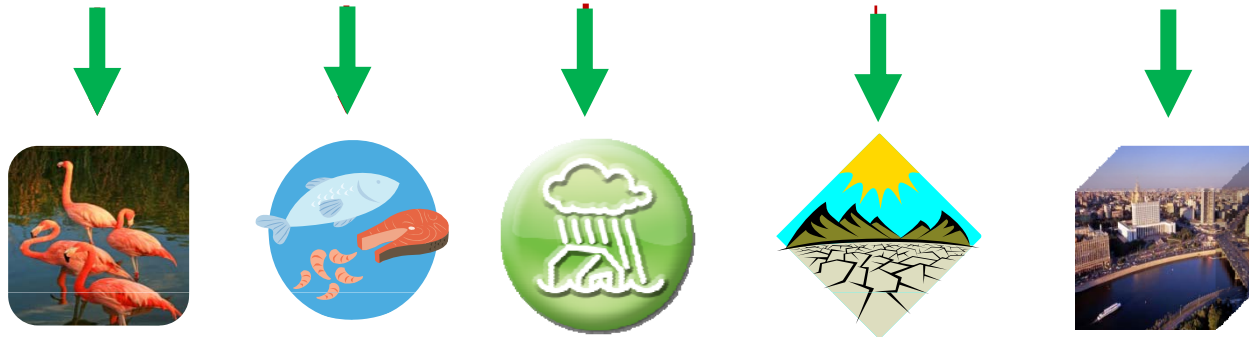
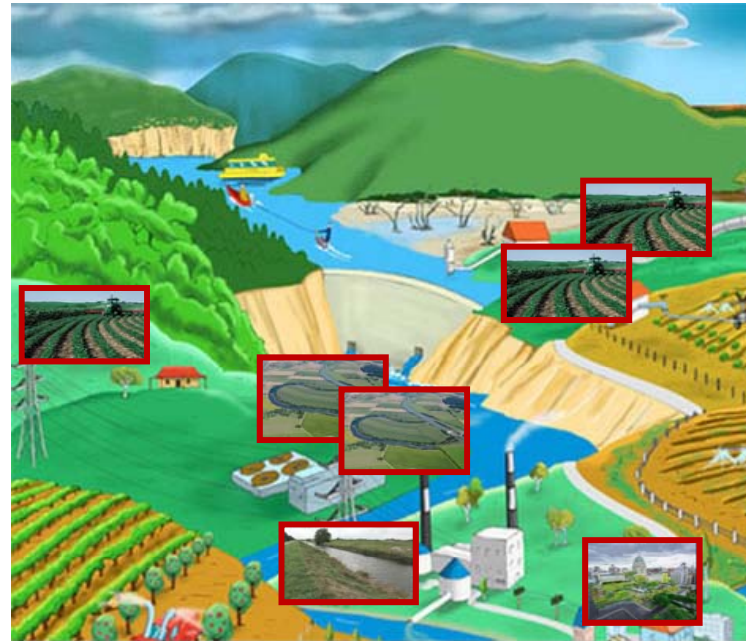
Illustrating it with existing knowledge on soil conservation in the South of Spain that provides quantitative evidence on impacts on carbon fixation, sediment retention and bird diversity...



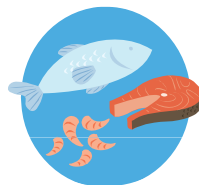
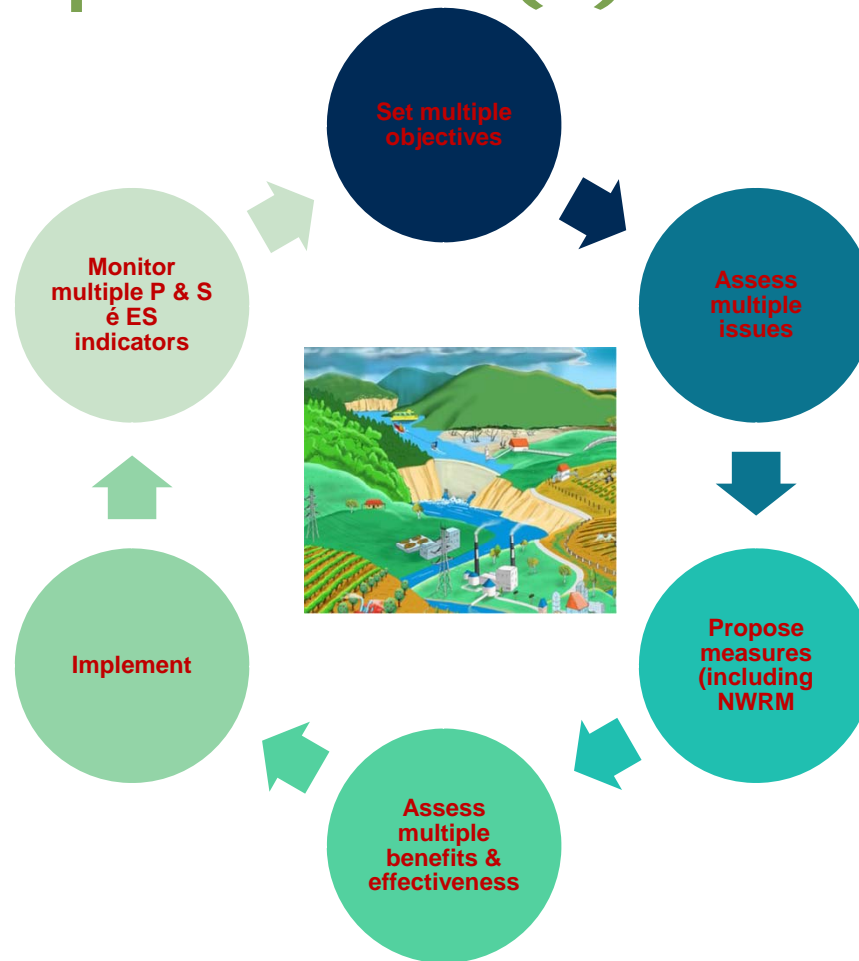
But ... Hardly no information on the effect of these measures on water retention & balances

Making integrated catchment planning truly operational (1)

Source: www.blueplanet.nsw.edu.au



Making integrated catchment planning truly operational (2)





Establishing the right governance

- From water stakeholders to catchment stakeholders
- Mechanisms for establishing synergies between different policy processes (in particular when selecting actions/measures)
- « Integrated » (territorial) information, communication & awareness raising

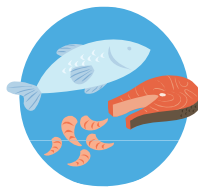
Ensuring the right “integrated” financing

- Do look for a wide diversity of funding schemes – public but also (private) innovative funds
 - ◆ payments for Ecosystem Services, product labelling and certification, bio-carbon markets or biodiversity compensation funds...)
- Opportunities to fund NWRM in EU financing instruments (CAP/RDP, structural/cohesion funds, LIFE, Horizon 2020...)
- Make best use of the multiple benefits provided to ensure integrated financing

Birds/habitats



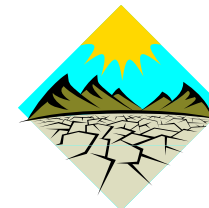
WFD



Floods



Climate change



Urban dev.



Questions, additional contributions?

To be filled during the discussion



Strengthening the knowledge base: what should be key priorities?

Brainstorming session



In conclusion?

Key messages from the session

Additional issues requiring further work (= > including research)

What could be "next" for the CIS process

What could be next on NWRM "elsewhere"



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On behalf of DG Environment & of the NWRM pilot project team

Many thanks for your contributions & attention!

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