

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

Ready to go?

Pre-conditions for supporting the effective design, selection and implementation of NWRM

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The analysis

We like NWRM...

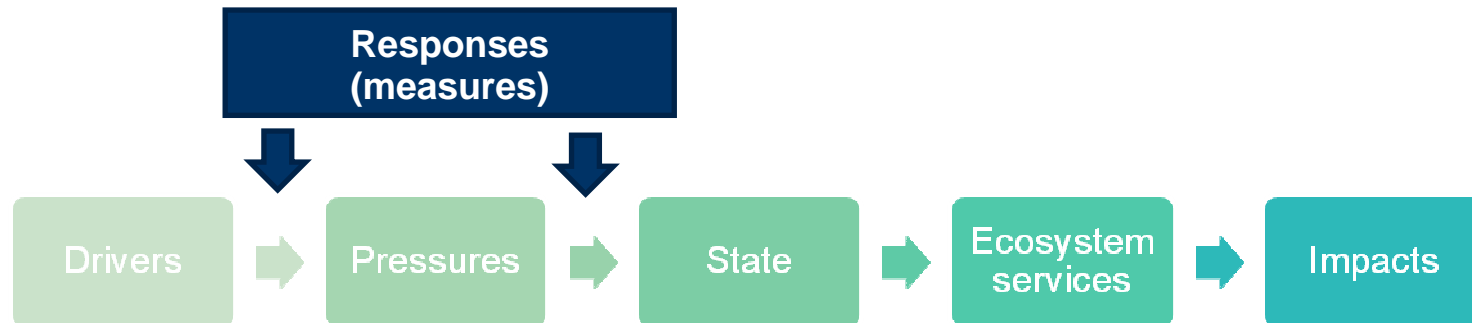
... But they are far from being “mainstream” measures ... yet?

What might help? Focusing on four key issues:

- Knowledge
- Catchment planning
- Governance
- Financing

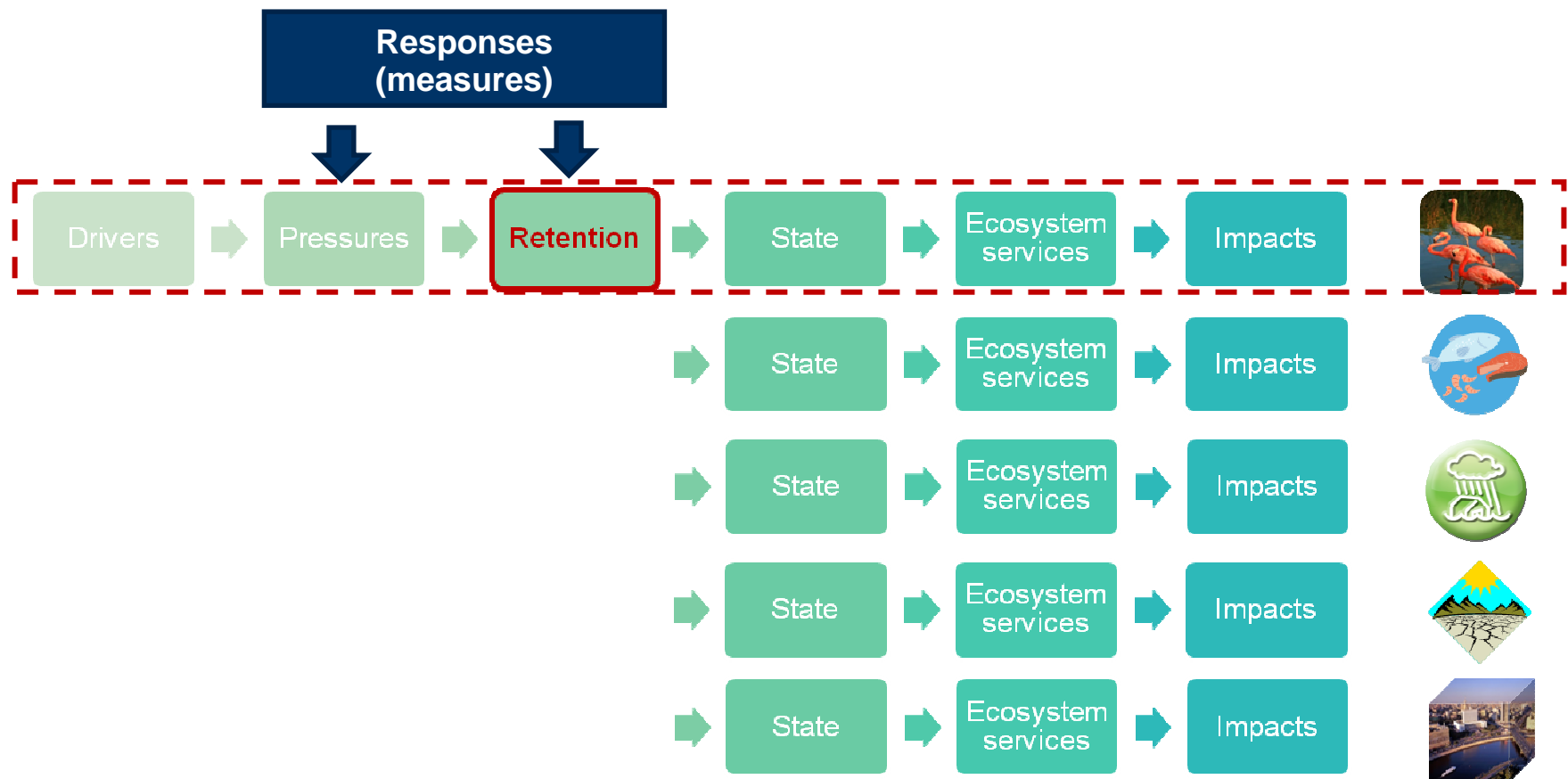
Strengthening the knowledge base (1)

The knowledge we are looking for



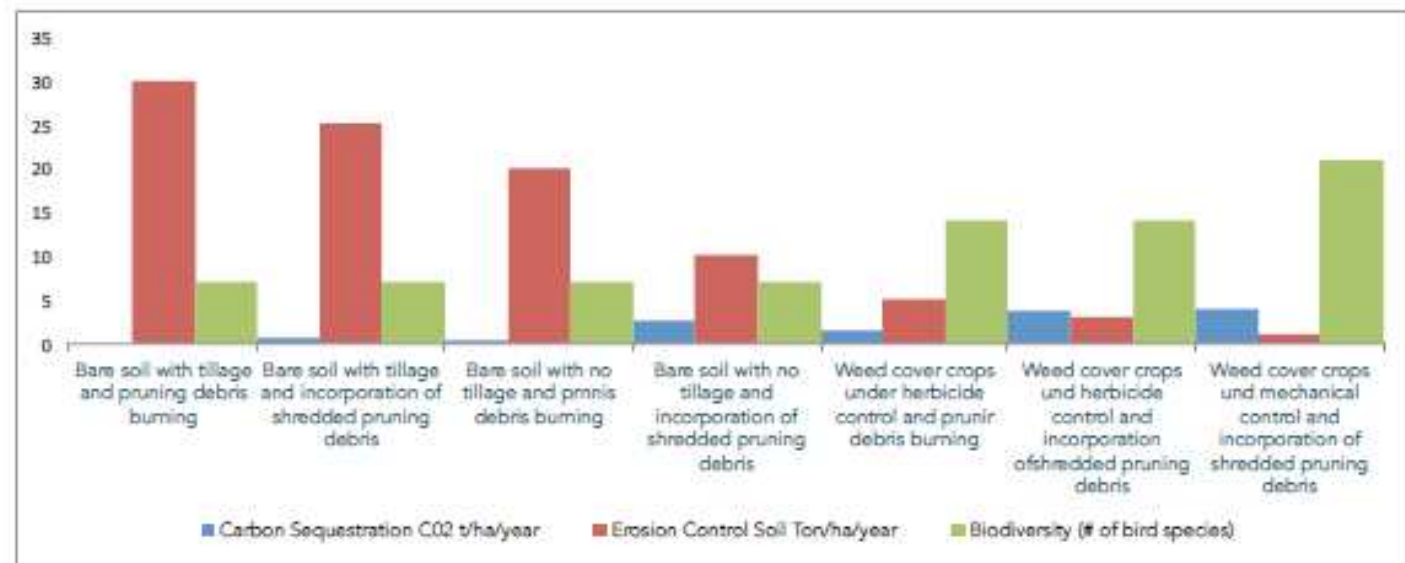
Strengthening the knowledge base (2)

What it implies for NWRM



Strengthening the knowledge base (3)

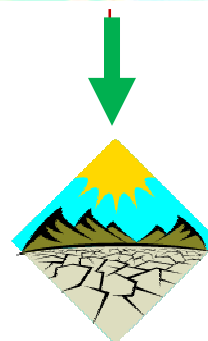
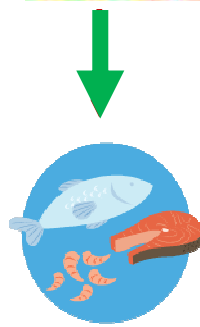
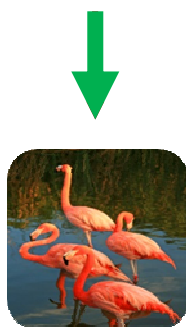
Illustrating it with existing knowledge on soil conservation in the South of Spain that provides quantitative evidence on impacts on carbon fixation, sediment retention and bird diversity...



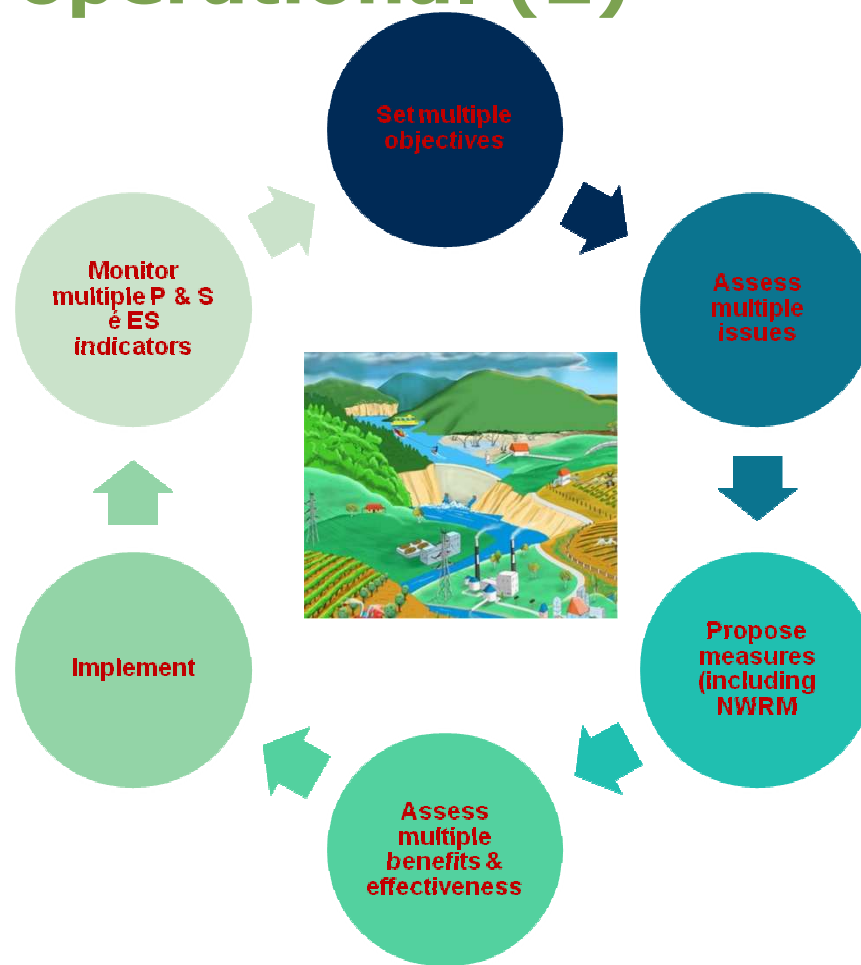
But ... Hardly no information on the effect of these measures on water retention & balances

Making integrated catchment planning truly operational (1)

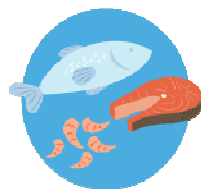
Source: www.blueplanet.nsw.edu.au



Making integrated catchment planning truly operational (2)



From Water to...
(Spatial) Land and Water planning





Establishing the right governance

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

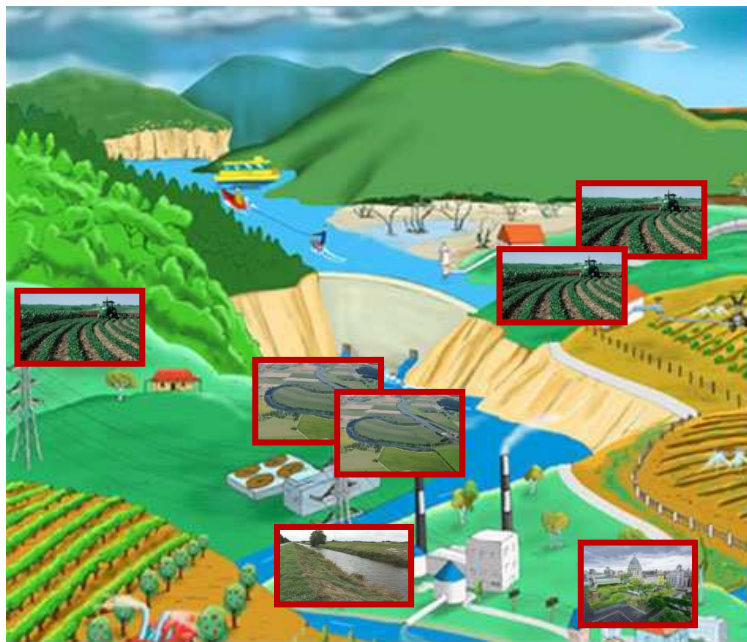


Ensuring the right “integrated” financing (1)

- Opportunities to fund NWRM in EU financing instruments (CAP/RDP, structural/cohesion funds, LIFE, Horizon 2020...)
- 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...

Ensuring the right “integrated” financing ()

- Make best use of the multiple benefits provided to ensure integrated financing



Ecosystem Services Benefits

Provisioning

- ES1 Water Storage
- ES2 Fish Stocks and Recruiting
- ES3 Natural Biomass Production

Regulatory & Maintenance

- ES4 Biodiversity Preservation
- ES5 Climate Change Adaptation and Mitigation
- ES6 Groundwater/Aquifer recharge
- ES7 Flood Risk Reduction
- ES8 Erosion/Sediment Control
- ES9 Filtration of Pollutants

Cultural

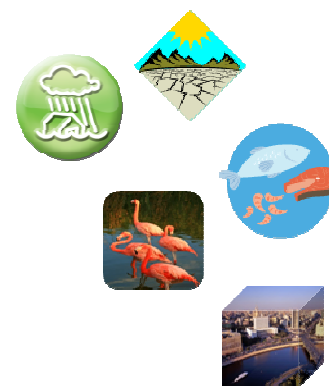
- ES10 Recreational Opportunities
- ES11 Aesthetic/Cultural Value

Abiotic

- ES12 Navigation
- ES13 Geological Resources
- ES14 Energy Production



**Integrated
financing**





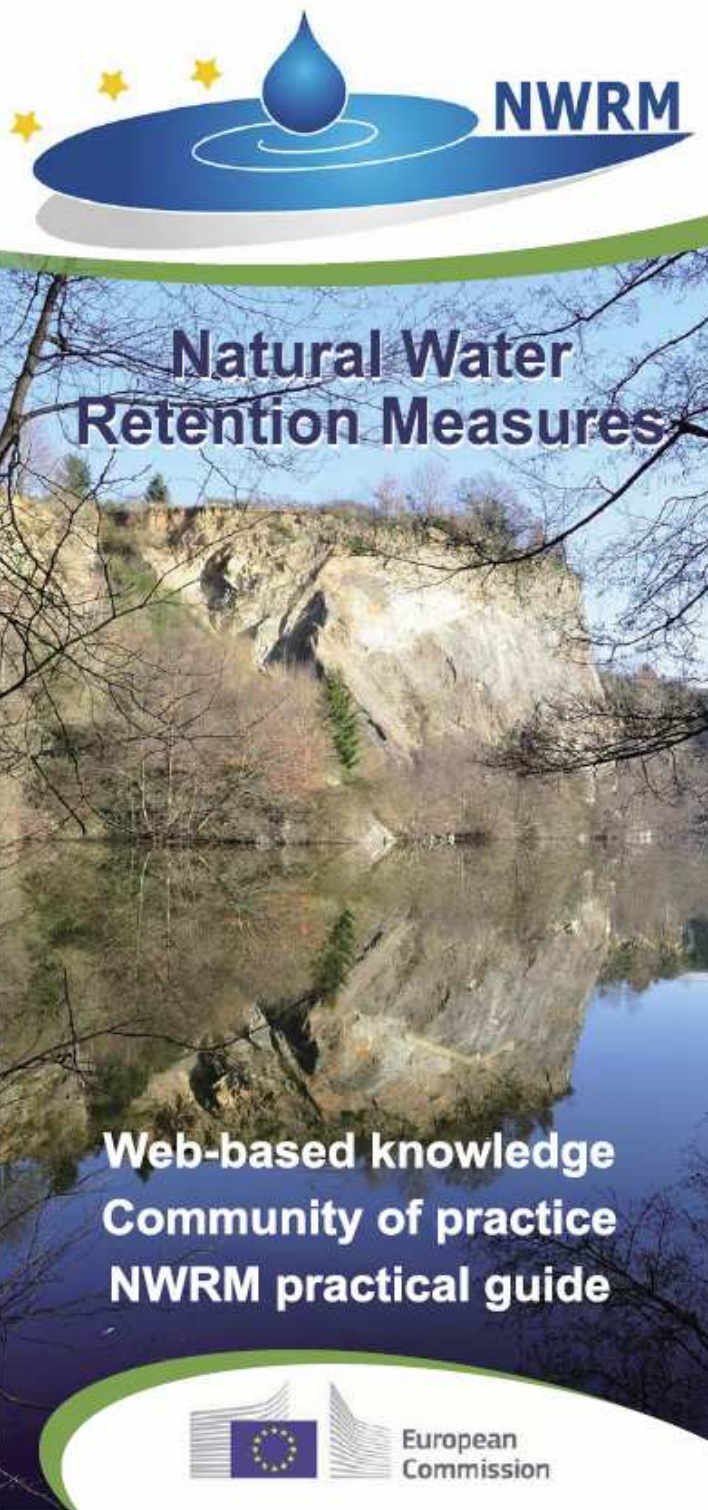
Group discussions

Four different sectors (nature, agriculture, urban, forestry) and proposed measures

Three questions

- Q1 - Additional measures to propose as NWRM?
- Q2 - Which conditions have to be put in place (your sector) for increasing the uptake of such measures?
- Q3 - Wider consideration for enhancing « effective » policy integration that give more chances for NWRM to be « the chosen one » ?

Four groups, time for discussion, a quick reporting back to the plenary



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**Many thanks for your contributions &
attention!**

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