



GLOBAQUA

IMPLICATIONS Module

Reporting back

Implications Module: WP8, WP9, WP10

Invited: WP2, WP3, WP11, WP12, WP13

Sessions

A. Implications Module discussions

- Hydrological modeling and Ecosystem Services of Evrotas Case Study (Lead: WP3 and WP8)
- Estimates of Changes of Ecosystem Services under the developed scenarios (Lead: WP2, WP8, WP9)
- Data management (WP2, WP8, WP9, WP10)

B. Discussion on integration of WPs

- Methodology of Integration of Disciplines (lead WP11)
- Decision Support Tool (lead WP11)

Implications module discussion- Evrotas CS

Several concerns were raised:

- Evrotas morphologic is such that makes hydrological modeling difficult, especially for GA that focuses on surface water hydrology.
- Evrotas is a small river basin with potentially low value for deriving policy recommendations at a European scale
- Data availability
 - A low number of gauging stations that cannot provide information to validate the result of the analysis
 - The parts of the RB where information is not available are the parts that differentiate Evrotas from the other case studies
 - Data that exists are mainly obtained by HCMR, but the time series are not long enough to produce sound results.

Implications module discussion- Evrotas CS

Decision:

Modelers will:

- Investigate the availability of information
- Decide on the models they will be using (surface or groundwater models etc.) in Feb. - March

Question:

- Could a less advanced analysis be undertaken for Evrotas? If so, should the DOW be revised?

Implications module discussion- Ecosystem Services

- WP2 will work with WP9 to quantify the climate change, land use and socioeconomic scenarios already constructed in qualitative terms by **October 2016**.
- WP8 will provide estimates of changes in ES under GA scenarios by February/ March 2017 (month 36-38).

Earlier than expected!

Implications module discussion- Data

WP9 will collaborate with WP2 to:

- Produce a database with socioeconomic variables that are comparable between case studies.
- This data will be composed by time series and cross sectional (spatial) variables.
- Panel Econometric models will be developed to analyze this data.
- The validated econometric models will be used for making projections of socioeconomic variables into the future.
- Socioeconomic data will be merged with CC and land use data to simulate changes under the 5 GA scenarios over time and space.

WP2 partners are invited to Athens to collaborate on it.

Session B- Integration

Alberto (WP11) stressed that recommendations should be provided at a latter stage.

- GLOBAQUA should touch upon ecological status
- Clarifications about terms such “pressures” and “stressors”
- A decision support tool could be developed

Session B- Decision support tool

It would take into account:

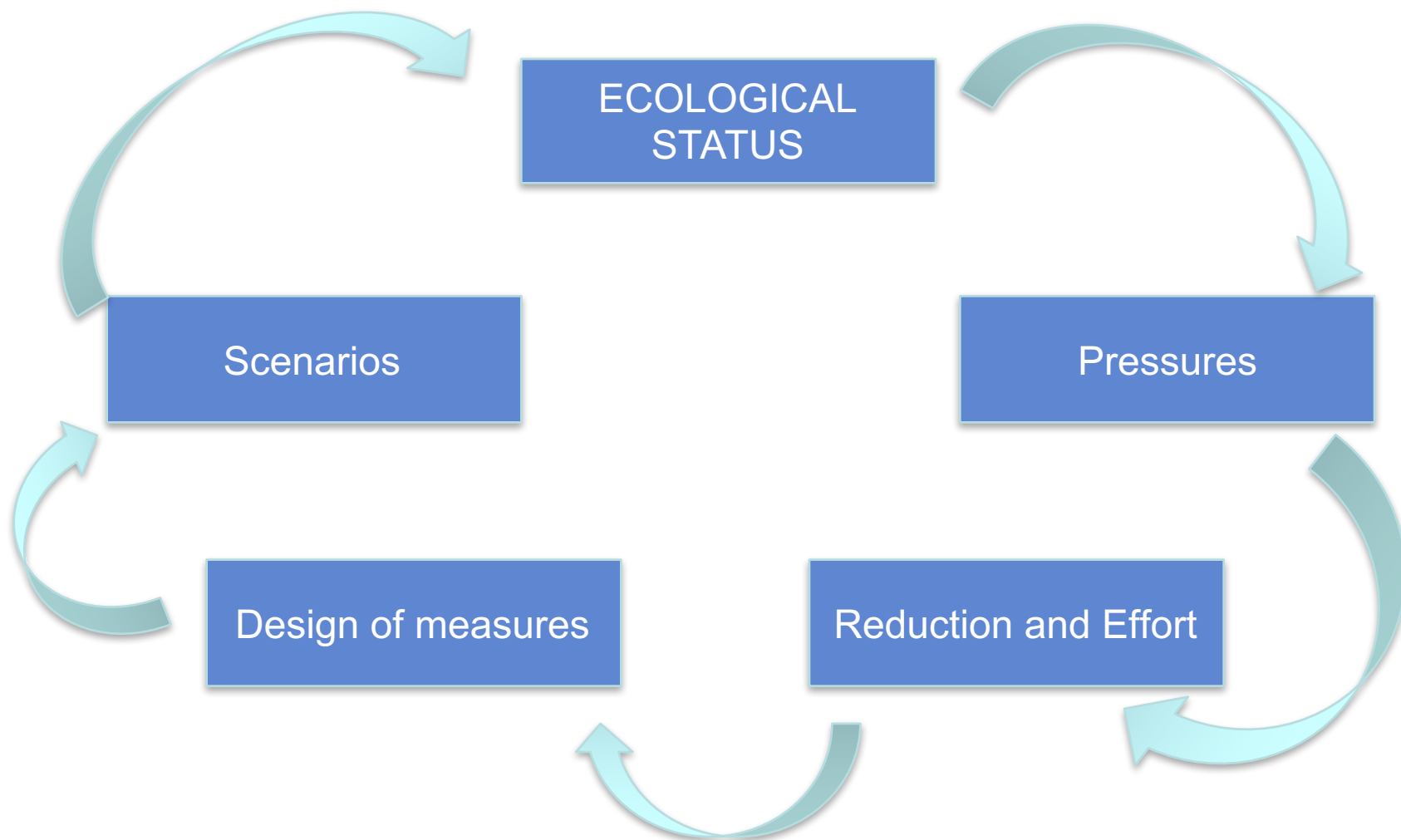
- Results of different natural science WPs.
- WP9 socioeconomic analysis
- Stakeholders opinion (WP10)

It will help choose the best possible option to achieve higher status and reduce pressures, given some “effort”

Session B- Decision support tool

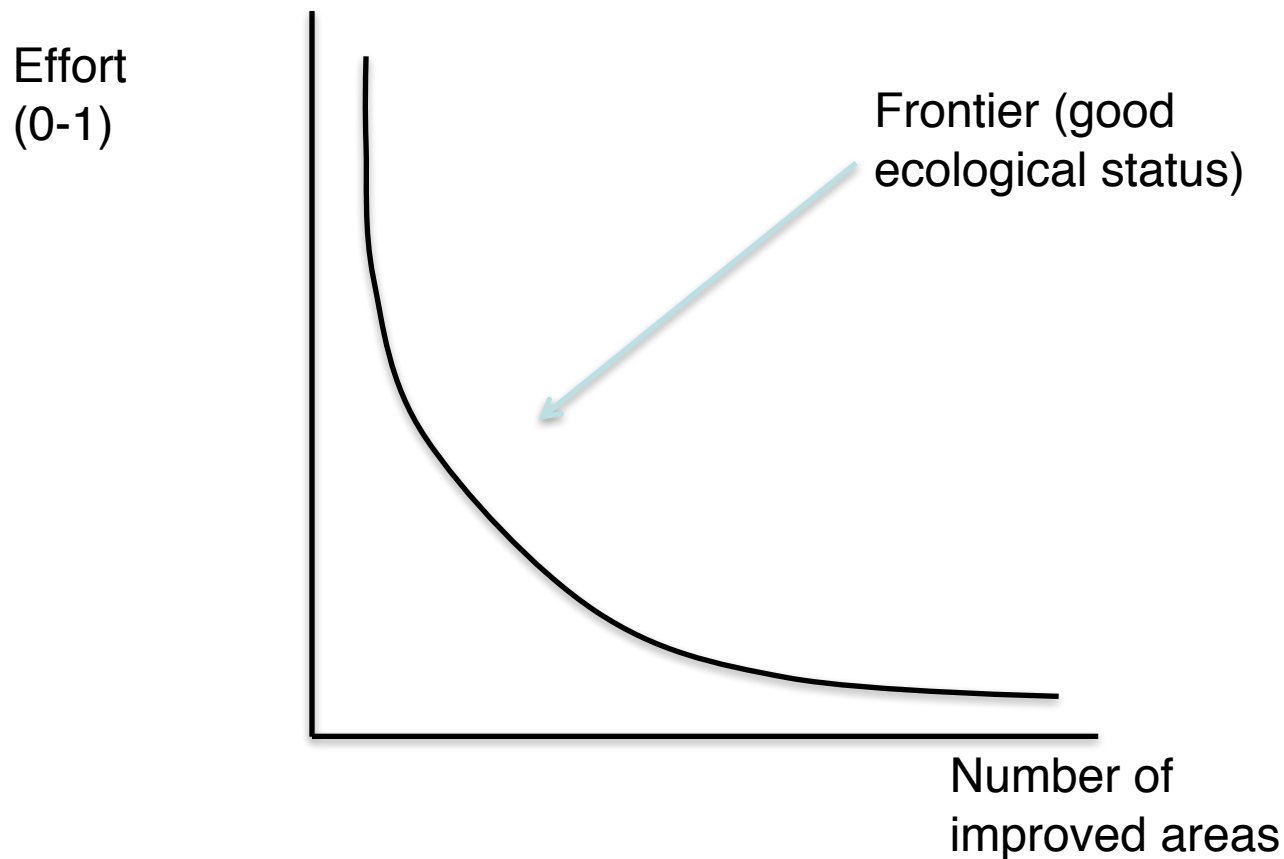


GLOBAQUA



Session B- Decision support tool

Information on pressures will



Session B- Decision support tool

- Phoebe suggested that ATHENA and JRC develop the tool together.
- It will be tested on the case study leaders
- It will be ready in 2017, before the final stakeholders workshop (WP10)
- Stakeholders will reflect on it and the desirability of the suggested programs of measures
- WP11 (Alberto) will create a concept note, where the role of each partner will be discussed

Session B- Policy relevance

- Identification of pressures (source apportionment) – as intended by the WFD
- Designing cost-effective and relevant measures – identification of potential management alternatives in accordance to disproportionate costs

Reporting back

- Potential for incorporating stakeholder/expert input on weighting – importance of public participation and stakeholder involvement is emphasised by the WFD
- Scenario application – could deal with uncertainties associated with multiple pressure interactions

Session B- Policy relevance

Promising concept for practical application to the RBMP

Identification of pressures & source apportionment is key:

- in terms of WFD implementation
- for understanding catchment characteristics and their contribution to the overall impacts
- for the assessment of ecological quality

More integration is needed in using ES indicators so that reflect both ecological and social aspects

Session B- Policy relevance

Designing cost-effective and relevant measures:

- directly links to WFD objectives
- potential for incorporating stakeholder/expert input on weighting – importance of public participation and stakeholder involvement is emphasised by the WFD
- scenario application – could deal with multiple pressure interactions at the catchment level