



**Global Water
Partnership**
Central and Eastern Europe

Participation options in the JRC Scientific Support to the Danube Region Strategy – Danube Water Nexus

DRS Priority Area 4 Steering Group Meeting

Budapest, 28 March 2014

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www.gwpforum.org

Outline of the presentation

- What happened since PA4 5th SG meeting? (5 June 2013)
- 3rd JRC Danube Water Nexus Modelling Seminar
- Proposal ideas to support the Danube Water Nexus

2nd JRC Danube Water Nexus Modelling Seminar

(Ispra, 27-28 May 2013.)



Integration of the results of the High Level Meeting held in Bratislava on 16 May 2013 into the Danube Water Nexus concept.

- What happened since PA4 5th Steering Group meeting?

Joint Stakeholder Conference on „Transboundary water issues in a macro-regional context: the Danube basin” within the framework of the Pillar „Protecting the Environment” of the EU Strategy for the Danube Region

(Budapest, 11 – 12 September 2013.)



• What happened since PA4 5th Steering Group meeting?

- Identification of tasks to be carried out by external experts (dominantly from the Danube Basin countries)
- Contracting the tasks with the external experts
- Preparation and organisation of the 3rd JRC Danube Water Nexus Modelling Seminar

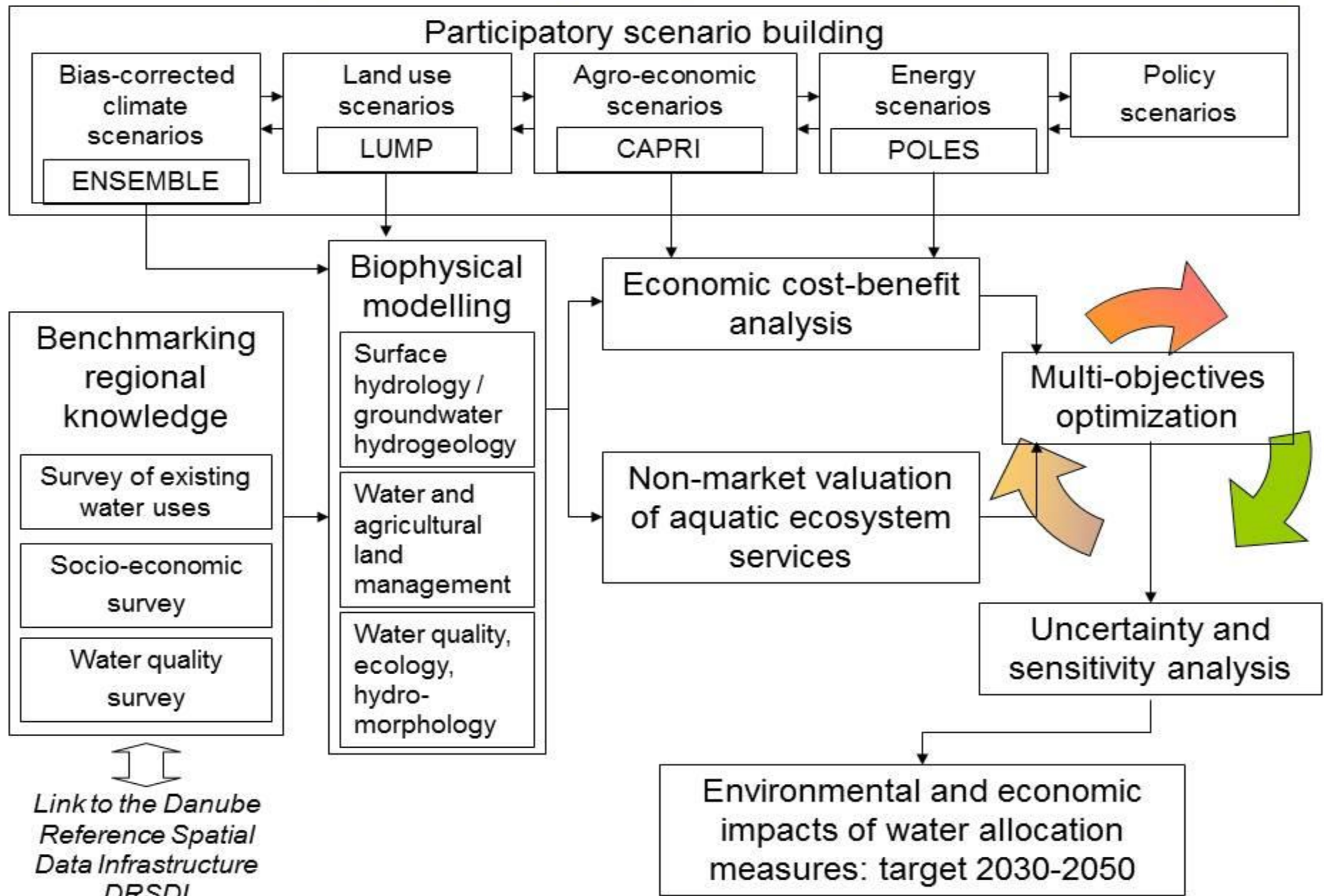
3rd JRC Danube Water Nexus Modelling Seminar

(Ispra, 16-17 January 2014)



Detailed JRC presentations about the modelling method to be used for water – agriculture – energy – ecosystem in the Danube Water Nexus programme

Danube Water-Agriculture-Energy-Ecosystems Nexus (Danube Water Nexus)



• Detailed discussion of External Experts tasks

- Past and modelling studies
- Scenarios

i. What are the most preferred scenario calculations to be carried out within the Danube Nexus:

- desalination,
- Irrigation efficiency increase,
- water re-use by industry,
- treated urban waste water re-use for irrigation,
- increase of mini-hydropower,
- increase of large hydropower facilities, and
- what is the motivation for this;

II. Scenarios for improving shipping or cost/benefit estimation of shipping vs. other means of transport

III. Which (environmental, economical and water related) indicators need ideally to be included in the analysis of these scenarios

IV. Overview of previous scenario studies in the Danube Basin,

- Navigation
- Sediment
- Groundwater
- Water quality
- Case studies - Non-point source pollution modelling
Tisza Basin
Száva Basin

- **First proposal idea**

- University of Debrecen (UD) led consortium
- Linking to DWN Tisza Case Study
 - climate change vs. flood – drought – irrigation – storage – and low land run-off modelling
 - management strategies - optimization
- Partners from Tisza basin countries, plus JRC and ICPDR Tisza Group

- **JRC positions and its changes**

- **UD participation in a Horizon 2020 proposal**

- **It is still on table to compile a proposal about the first proposal idea and submit the a H2020 proposal in Q1 2015**



**Thank you
for your attention**