



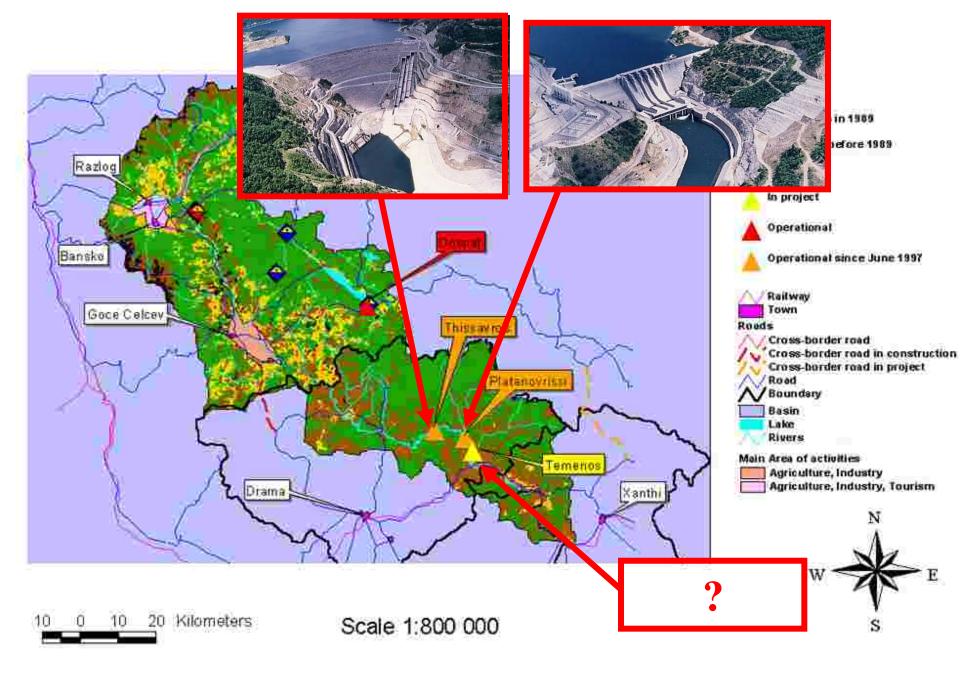


UNECE WORKSHOP ON BENEFITS OF TRANSBOUNDARY WATER COOPERATION Geneva, 22-23May 2014

Costs/Benefits Evaluation and Communication: the Case of Mesta/Nestos River

Jacques Ganoulis
UNESCO/INWEB
Aristotle University of Thessaloniki, GR





Benefits Assessment

Economic within the Basin

- irrigated agriculture (delta region): increase productivity
- hydroelectric power generation: with environmental protection
- water supply of cities and settlements
- eco-tourism development, including water-related recreation
- reducing risks of floods and droughts
- mitigation of climate change impacts

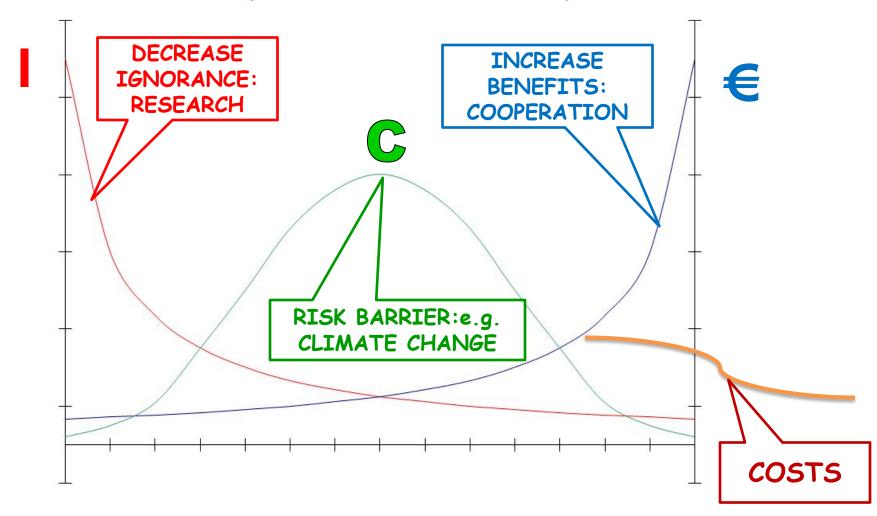
Economic beyond the Basin

- development of international energy networks
- opening markets for goods, services and labour
- generating cross-border investments

• Social, Environmental & Geopolitical

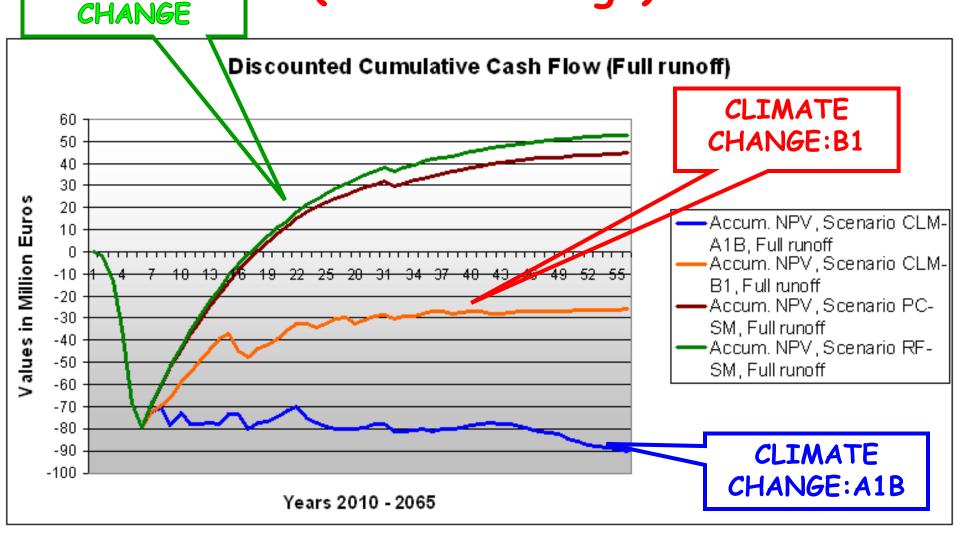
- Unemployment, Biodiversity, Migratory Birds
- Political Stability

From Knowledge to Benefits under Risk (Potential Costs)

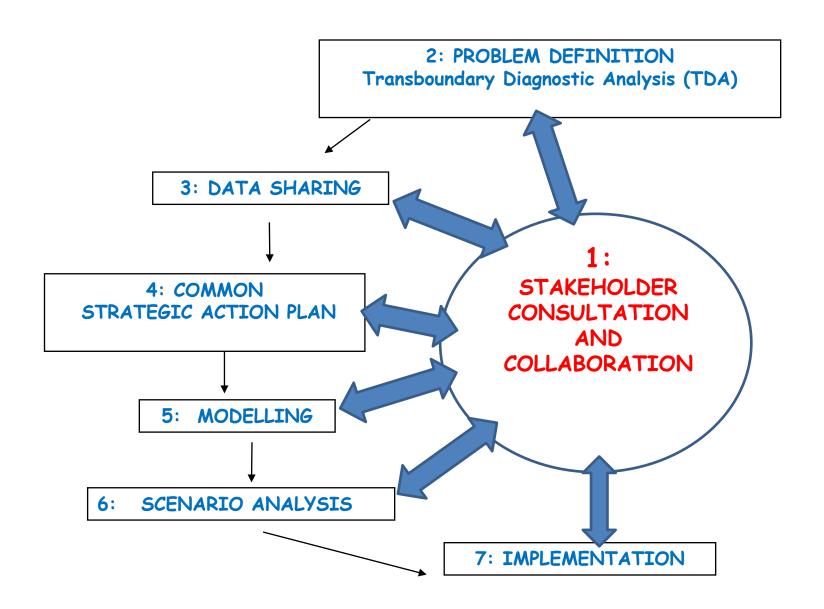


Cost/Benefit of a New Dam under Risk

NO CLIMATE (Climate Change)



A Conceptual Model for Cost/Benefit Assessment



CONCLUSIONS

COLLABORATION BENEFITS BUT ALSO COSTS DUE
 TO RISKS

- · COST/BENEFIT ASSESSMENT THROUGH RISK

 ANALYSIS/IMPROVING KNOWLEDGE
- · APPLICATION OF A CONCEPTUAL MODEL BASED ON STAKEHOLDER INTERACTION