

Hydroeconomic modelling for transboundary river basin management – Towards more integrated approaches

Wednesday 15 August, Teachers Credit Union Place, Saskatoon

Summary of the side event

The allocation of water amongst competing sectors, particularly hydropower and agriculture, and regions within transboundary river basins remains a challenge. To face this challenge, it is necessary to put in place multi-objective modelling solutions together with complex decision support systems for policymakers. The session will review the use of hydro-economic models to assess policy options for the management of transboundary river basins, including the sharing of both water and benefits, and present results drawn from hydro-economic models developed for various river basins characterized by different levels conflict and cooperation around the world: the Tigris-Euphrates, the Senegal and the Zambezi, among others. The side event will highlight the potential of multi-objective planning in preventing conflicts and promoting cooperation in transboundary river basins.

Objective and outcomes

The objective of the side event is to share the knowledge developed and results achieved with a number of hydro-economic models developed for transboundary river basins and stimulate an engaging discussion around the theme of collaborative management in shared river basins. It will advocate the sharing of experiences around effective transboundary water management solutions and will also actively seek to tease out lessons learnt in translating modelling results to support policymakers in making cohesive decisions.

Agenda

Time	Presentation
9:00 – 9:15	Introduction to the event: overview and objectives <i>Maher Salman, FAO</i>
9:15– 9:30	Keynote speech: informed decision making at the River Basin level <i>Amadou Lamine Ndiaye, OMVS</i>
9:30 – 09:45	Setting the scene: how can hydro-economic models help policy making? <i>Claudia Casarotto, FAO</i>
09:45 – 10:05	Overcoming barriers between hydroeconomic model and policy application <i>Frank Ward, New Mexico State University</i>
10:05 – 10:15	Q&A session
10:15 – 10:30	Health Break
10:30 – 10:50	Benefits and costs of the coordinated development and management of the Senegal River Basin <i>Amaury Tilmant, Université Laval</i>
10:50 – 11:10	HEM for identifying water resource vulnerabilities in data-scarce basins -The case of the Tigris-Euphrates River Basin <i>Charles Rougé, Université Laval</i>
11:10 – 11:20	Q&A session
11:20 – 11:50	Moderated discussion: from research to policy a) Perspective of the policymaker <i>Amadou Lamine Ndiaye, OMVS</i> b) Perspective of the researcher <i>TBD</i> c) Moderated discussion <i>Moderator: Fethi Lebdi, AgWA</i>
11:50 – 12:00	Wrap-up and conclusions <i>Maher Salman, FAO</i>