



Towards a Community of Practice for Collaborative Modelling

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With the support:



WORLD BANK GROUP



Collaborative Modelling

- ▣ Call for inclusive development for ensuring sustainable implementation of Water Management
- ▣ Models have become important tools in Water Management
 - Interactive, faster, better visualization
 - Increased complexity and data requirements
 - Difficult to engage stakeholders in model development. Increased stakeholder engagement in model use.
 - Stakeholders and decision makers start to question the models
- ▣ Needed:
 - Involvement of stakeholders in modelling process
 - Simple versions of models to be developed and used in stakeholder processes



On-going developments

▣ Academic groups on participatory modelling

SESYNC Participatory Modelling: 32 fellows

Michigan University, Australian National University, University Twente, ANU, King's College, IESP, University of Maryland, Karlstads universitet, United States Geological Survey, University of Colorado, CIRAD....



On-going developments


- ▣ **Applied research organizations and Development Partners**
 - USACE-IWR – shared vision modelling
 - Deltares – collaborative modelling
 - GWP – supporting technique for network partners

PERSPECTIVES PAPER

Global Water Partnership

Collaborative modelling

– Engaging stakeholders in solving complex problems of water management



Analytical models play an ever-increasing role in the complex world of water resources planning and management. They support key decision-making for managing flood risk, building dams, managing groundwater, and bringing together the social, economic, and environmental issues and challenges of integrated water resources management (IWRM).

But models only provide us with one view of the world. There are other views, like those of stakeholders who live and work in river basins. If decisions about water management are to be widely accepted and implemented, asking stakeholders to approve pre-selected solutions is not good enough.

This paper argues for bringing stakeholders and technical experts together in a formal procedure much earlier in the planning process, and for developing models not just for analytical purposes but to build consensus, trust, and improve decision-making. This approach is called 'collaborative modelling.'

This Perspectives Paper was prepared by Laura Bocco Corina and Guillermo Francisco Alvarado. It is intended to generate discussion within the network and the larger water and development community.

www.gwp.org www.gwptoolbox.org

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Training workshop for young volunteers, members of the GWP Network

@ Chronique May 2015

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4/18/2017

Collaborative modelling engages stakeholders in IWRM planning

Global Technical Committee (TEC) members mingled with the regional TEC and some partners of GWP West Africa on 10th to 12th April 2017 in Accra, Ghana. The occasion was a training on Collaborative modelling for decision support in Integrated Water Resources Management.


For Jerome Dell'Arcipoli, TEC Chair, the GWP TEC group and

NEW PERSPECTIVES PAPER

Collaborative modelling – Engaging stakeholders in solving complex problems of water management

VIDEO ON COLLABORATIVE MODELLING TRAINING IN ACCRA

Collaborative Modellin...



On-going developments

▣ Project preparation and implementation

- World Bank – Project preparation and implementation
- Academic Groups
- Applied research organizations: USACE-IWR, Deltares
- Development Partners: International & Local NGOs

THE WORLD BANK DEVELOPMENT DATA GROUP & THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT DATA

Call for Proposals: Collaborative Data Innovations for Sustainable Development

CALL FOR EXAMPLES OF EFFECTIVE USE OF RISK DATA THROUGH VISUALIZATION AND COMMUNICATION

Deadline : Will be evaluated on a rolling basis, Final deadline Friday June 16th 12pm EST

Can you help us crack the code to leverage risk data in ways that generate real world action and protection from natural hazards? What examples can you share with us of how risk data has been used practically and effectively to spur decisions by national and local authorities, the private sector, communities or individuals?

The Global Facility for Disaster Reduction and Recovery (GFDRR) of the World Bank is partnering with Resurgence and Visonomy to bridge the gap between data collection, data sharing, risk modelling on the one hand, and real-world decision-making and behavioral change on the other. In the first instance, we are seeking to strengthen the [Open Data for Resilience Initiative \(OpenDRI\)](#) of the GFDRR, but we are also working to create a Framework and Guides for the wider disaster risk reduction, early warning and resilience sectors.

We hope to feature in the Guides a number of case studies outside OpenDRI, and we are encouraging submissions for inclusion. These examples should be grounded in the use of risk data itself, and not simply around behavior change.

Specifically, we are looking for examples on the effective use of data to make impact through approaches such as:

Collaborative Data Collection and Modelling

- Participatory mapping and data collection that has built the trust and ownership of risk information by communities at risk;
- User centred design and co-development of risk modelling platforms or decision support tools to meet specific target groups and decision-making needs;
- Co-construction and use of modelling platforms that have allowed different groups to contribute to /act on risk analysis;

Related Initiatives

[Open Data for Resilience Initiative](#)

Related Topics



[Risk Communication & Perception](#)

Related Regions

[Global](#)

Community of Practice Collaborative Modelling

- Outreach and Communication online platform
Knowledge exchange, and Information about cases, documentation, experts.
- Formal organization structure
Multi-disciplinary, different groups
- Yearly 2-day meeting
Knowledge Exchange, organizational structuring
- Policy, Research, practical initiatives
Joint projects, research and publications

 Launching it at iEMSS2018 congress in June 2018 in Colorado, US 

Learning by doing and learning from each other