Towards a Community of Practice for Collaborative Modelling

Eelco van Beek

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Global Water Partnership

Deltares
Enabling Delta Life

With the support:

IWR

WORLD BANK GROUP

UNESCO

IHE DELFT

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**

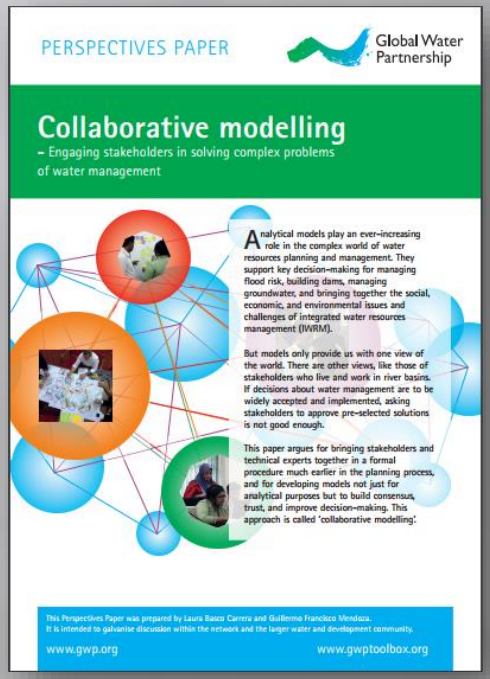
  SESYNC Participatory Modelling: 32 fellows

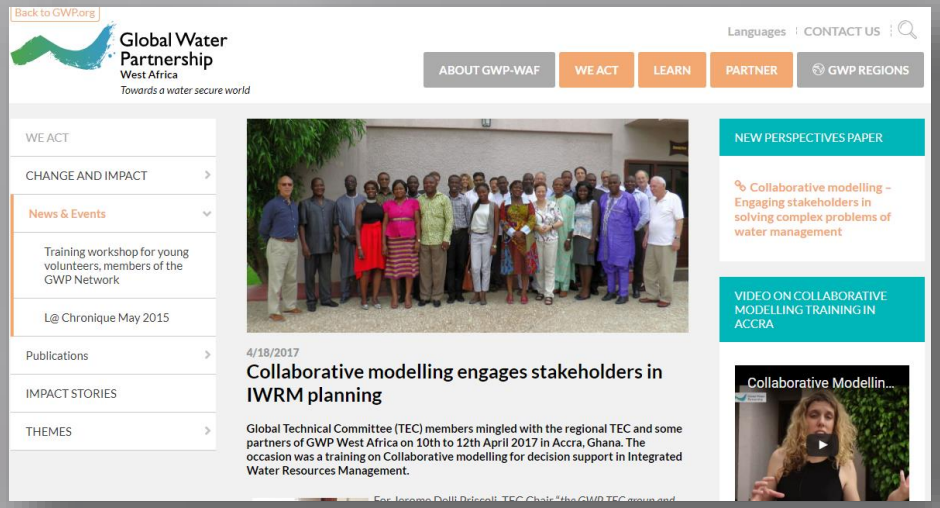
  Michigan University, Australian National University, University Twente, ANU, King's College, IESP, University of Maryland, Karlstads universitet, United States Geological Survey, University of Colorado, CIRAD….

www.participatorymodeling.org

On-going developments

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





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

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 Vizonomy 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.

Related Initiatives
Open Data for Resilience Initiative

Related Topics
Risk Communication & Perception

Related Regions
Global

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;**

Community of Practice
Collaborative Modelling

- Outreach and Communication online platform
  Knowledge exchange, and Information ab… cases, documentation, experts.
- Formal organization structure
  Multi-disciplinary, different … oups
- Yearly 2-day meeting
  Knowledge Exch… ganizational structuring
- Policy, Rese… practical initiatives
  Joint pr… projects, research and publications

Launching it at iEMSs2018 congress in June 2018 in Colorado, US

Le… ng by doing and learning from each other