

Announcement (23 October 2007)

# Hydro Predict'2008

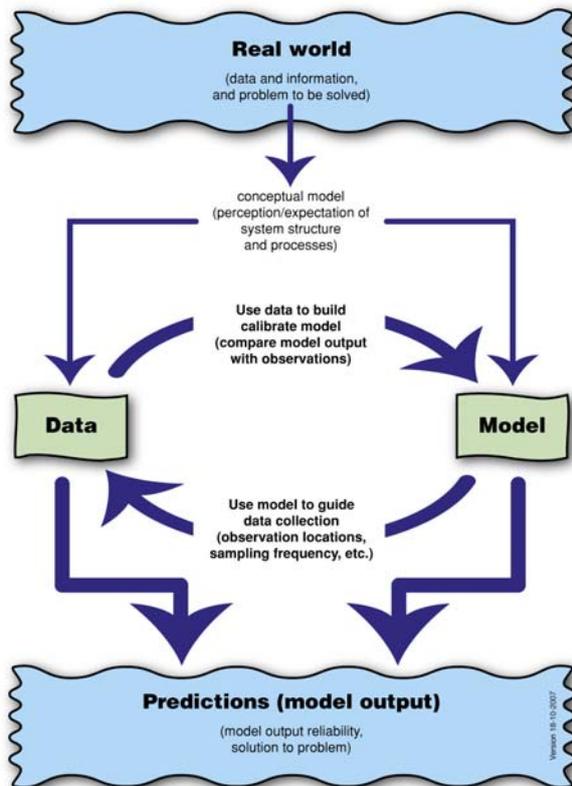
## *International Interdisciplinary conference on Predictions for Hydrology, Ecology, and Water Resources Management: Using Data and Models to Benefit Society*

15-18 September 2008, Prague, Czech Republic

Conference web site: <http://www.natur.cuni.cz/hydropredict2008/>

### SCOPE AND OBJECTIVES

Predictions produced using mathematical models have become a critical part of water resources management as hydrological and ecological systems have been increasingly



affected by human demands. One of the main issues is determining whether discrepancies between data (observations, etc.) and model results occur because of problems with the conceptual models. Another issue is how deficiencies in data and conceptual models affect prediction accuracy and uncertainty. Addressing these issues is made even more difficult when those who develop new methods of data collection and analysis do so without considering the latest theories and models. Data collection that proceeds without the benefit of theory can expend precious resources with little gain. On the other hand, development of theory and conceptual models uninformed by the realities of data collection is unlikely to yield productive results. Either side cannot optimally proceed in isolation.

This interdisciplinary conference will bring together scientists and other experts to discuss how to improve predictions by

joint use of data and models in the following three fields:

- **hydrology** (groundwater, surface water and catchment, including water quality) ;
- **ecology** (wetland, riverrine, estuarine, terrestrial);
- **water resources management** (groundwater, vadose zone, and surface water).

The three fields are connected through the central, critical role played by **water**.

The HydroPredict'2008 conference solicits presentations on innovative technologies and methods of data collection, analysis, integration (combined use) of data and modelling, new techniques and tools for assessment of model performance, and case studies of both successful and problematic applications for the topics related to problems in hydrology, ecology, and water resources management. Presentations that address integration (combined use) of data collection, analysis and modelling are particularly welcome.

The conference aims to facilitate the exchange of scientific knowledge and engineering expertise between scientists, engineers (consultants, practitioners), water resources planners and managers, and policy makers. The conference includes solicited (keynote) lectures on diverse topics, and contributed oral and poster presentations (both to be published in the proceedings).

**The deadline for abstract submission is 1 February 2008.**

### **Scientific Advisory Committee**

Okke Batelaan, Belgium; Marc Bierkens, the Netherlands; Andrew Binley, United Kingdom; António Chambel, Portugal; Jan Fleckenstein, Germany; Graham Fogg, USA; Steven M. Gorelick, USA; Majid Hassanizadeh, the Netherlands; Jason W. Kean, USA; Toshiharu Kojiri, Japan; Harald Kunstmann, Germany; Peter Loucks, USA; Henrik Madsen, Denmark; Hans-Peter Nachtnebel, Austria; Geoff Parkin, United Kingdom; Andrea Rinaldo, Italy; Dan Rosbjerg, Denmark; John Schaake, USA; Andreas Schumann, Germany; Jan Seibert, Sweden; Eric Servat, France; Uri Shamir, Israel; Jaroslav Solc, USA; Edward A. Sudicky, Canada; Ramesh Teegavarapu, USA; Georg Teutsch, Germany; Stefan Uhlenbrook, the Netherlands; Niko Verhoest, Belgium; Alicia Wilson, USA.

### **Venue**

The conference will be held in the Olympik Tristar Hotel, Prague. Due to a full reconstruction and high quality of provided services, the Olympik Tristar hotel belongs to one of the best 3 Star hotels in Prague. The hotel is conveniently located on metro line B, three metro stops from the historical centre of the city.

### **Conference Secretariat HydroPredict'2008**

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### **Conference Organizers**

IAHS (International Commission on Groundwater, ICGW), Charles University (Prague), VUV (Prague), US Geological Survey (USGS) and Universität für Bodenkultur (BOKU, Vienna), and sponsored by UNESCO/IHP, IAH, IAHR, British Hydrological Society, Hydrogeology Section of the German Geological Society (FH-DGG), NHV and ČAH.

