

IAHS-PUB-CHINA 2010



THE THIRD INTERNATIONAL SYMPOSIUM OF IAHS-PUB-CHINA

Predictions in Ungauged Basins: Theory and Practices

December 5~7th, 2010, Beijing, China

First Announcement and Call for papers



Background

Prediction in Ungauged Basin (PUB) is an initiative that emerged out of discussions among IAHS members on the World-Wide Web and during a series of IAHS sponsored meetings in Maastricht (July 18-27, 2001), Kofu (March 28-29, 2002) and Brasilia (November 20-22, 2002) about the need to reduce the predictive uncertainty in hydrological science and practice. It was formally initiated as a ten-year plan from 2003 to 2012 as the second international decade in IAHS.

PUB aims to shift the prediction of stream flow, sediment and water quality variables from calibration-based to new, and largely understanding-based methods. It therefore improves the existing hydrological models in terms of their ability to predict in ungauged basins through appropriate measures of predictive uncertainty, and develops new, innovative models and approaches to capture space-time variability of hydrological processes for making predictions in ungauged basins, with a major reduction in predictive uncertainty. For this, PUB has the following objectives:

- Advance the ability of hydrologists worldwide to predict the fluxes of water and associated constituents from ungauged basins, along with estimates of predictive uncertainty.
- Advance the knowledge and understanding of climatic and landscape controls on hydrological processes occurring at all scales, in order to constrain the predictive uncertainty.
- Demonstrate the value of data for hydrological predictions, and provide a rational basis for future data acquisitions, including alternative data sources, by quantifying the links between data and predictive uncertainty.
- Advance the scientific foundations of hydrology, and provide a scientific basis for sustainable river basin management.
- Actively promote capacity building activities in the development of appropriate scientific knowledge and technology to areas and communities where it is needed.

At present, serious water-related problems all over the world are exerting growing impacts on the existences of millions of people in developing countries. In China, water resources are extremely uneven-distributed both temporally and spatially due to its natural and geographical conditions. For the recent years, China has been increasingly perplexed by such water-related problems as flood, drought, water shortage, water pollution and soil erosion. It has already constituted a major constraint to China's economic and social development. On the one hand, to find a solution to these problems, accurate hydrological prediction and estimation is highly needed.

On the other hand, with the new water-related problems appearing, it poses new challenges to hydrological prediction and estimation. In ungauged basins, the challenge is even bigger.

Since 1950s, China has made prominent contributions to the prediction in ungauged basin. Since 2003 with the initiative of IAHS-PUB, much more progresses have been made in China. The IAHS-PUB China National Committee was established in 2004. A series of IAHS-PUB-CHINA international Symposium holding once every two years is determined by the committee in 2005. The first International Symposium of China-PUB was successfully held at Tsinghua University in Beijing, China, in September 2006. The second International Symposium of China-PUB was successfully held at Sichuan University in Chengdu in November 2008. Each symposium has published an IAHS red book.

Among the PUB achievement made so far, some are the thought on theory, or the exploration in new method and new technology and some are practical method based on rich experiences in the application. With the closing to the end of the PUB international decade, for providing the platform to discuss the research progresses of the PUB project, for promoting the generalization of the research results, for building the bridging between the theory and application, for being towards the new way of PUB development, for strengthening the exchanges among hydrologists, managers and engineers and decision makers, for enriching the PUB theory, for satisfying the national key requirements to find solution to the emergent PUB-related problems, the third International Symposium of IAHS-PUB-China will be held in December 5~7th 2010, in the institute of Geographical Sciences and Natural Resources Research, Beijing, China

Themes

The themes of the symposium is the theory and practice of the prediction in ungauged basins. The general topics, but not limited are classified as follows:

- A. New theory and technology of PUB
- B. The operational methods of PUB
- C. Applications and Practices : Global change on hydrological prediction, PUB and eco-hydrology, PUB and water resources management, PUB and environmental protection

Abstracts

Abstracts must clearly indicate the contents of the full paper, including methods adopted and main conclusions obtained. For the convenience of reviewing, some important figures, tables and animations of simulating results can be submitted as a supplementary of the abstract. As for the length of the abstract, it should not be more than one page of A4 paper. The proposed papers must be of good quality in theories or technical approaches. The abstracts shall include author's and co-author's full name, addresses, telephone and fax numbers as well as e-mail addresses. The format of full length paper please refer to *Instructions for Authors* (http://www.informaworld.com/smpp/title~db=all~content=t911751996~tab=submit~mode=paper_submission_instructions). Please send your abstract and full paper to maying@igsnr.ac.cn.

Review and Publication

Manuscripts will be reviewed by international experts. Papers past through peer review and have high qualities will be selected to publish in a special issue of *Hydrological Sciences Journal*.
(2009 Five-Year Impact Factor: 1.914)

Language and Proceedings

The official language of the symposium is English. All papers submitted to the symposium and all academic presentations during the symposium will be in English. Accepted paper abstract will be included in the conference abstract-proceedings.

Date & Venue & Hotel

The conference will be held at Institute of Geographic Sciences and Natural Resources Research, Beijing China on December 5~7th, 2010.

There are several hotels near the institute, such as Foreign Experts Building Beijing, B&B Inn, and Harat Austraders Beijing. Please book your room as soon as possible.

For more information about Institute of Geographic Sciences and Natual Resources Research, please visit:

<http://www.igsnr.ac.cn/>

For more information about the Foreign Experts Building Beijing, please visit:

<http://www.feb-hotel.com/index.php?Locale=zh-cn>

For more information about the Harat Austraders Beijing, please visit:

<http://www.harathotels.com/members/austraders/>

For more information about the B&B Inn, please visit:

<http://test.bbinn.com.cn/>

If you need the local organizing committee's help for booking your hotel, please tell LOC your choice and the LOC will be happy to help you.

Key Date

Call for abstracts close ¹	Oct. 30, 2010
Authors Notified of Acceptance	Nov. 15, 2010
Early registration close	Nov. 15, 2010
Receipt of full length pape*	Nov.30, 2010

¹ Note: Principally we encourgae authors to submit the abstract as soon as possible to meet the deadline. As the time is very limited we also will give full considerations to the abstract submitted after the deadline.

* Note: Principally full length papers should be submitted before the conference. However, to guarantee the quality of paper and to leave more available time for authors to prepare their papers, the full length paper can be submitted during or immediately after the conference.

Conference Fees

	Early Registration(US\$)	Early Registration(US\$)
Authors/ Participants	350	400
Accompanying persons	200	300
Students	200	300

The Conference fees for Authors/Participants include the proceedings, attendance to all technical sessions, lunches and refreshments, welcome reception and conference banquet.

The Conference fees for Accompanying Persons will cover the welcome reception and conference banquet. A social program will possibly be organized, depending on the number of accompanying persons (with additional fees).

The Conference fees for Students include the proceedings and the attendance to all technical sessions.

Traveling and lodging costs will be borne by the attendants themselves. Some nearby technical visits and tours may be arranged on the attendants requirements

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