



InterAcademy Council



First Announcement and Call for Abstracts

International Symposium of Ecohydrology and Water Security

Wuhan and Yichang, Hubei, China

October 18-22, 2013

Sponsors	Wuhan University
	International Water Resources Association (IWRA)
	International Association of Hydrological Sciences (IAHS)
	Global Water System Project(GWSP)
Co-sponsors	InterAcademy Council for Water Programme (IAC-WP)
	National Natural Science Foundation of China (NSFC)
	China Three Gorges Corporation
Organizers	The Research Institute of Water Security, Wuhan University
	State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University
	School of Water Resources & Hydropower Engineering, Wuhan University
	The Department of Hi-tech Industry, Wuhan University
	Three Gorges University
	Institute of Geographical Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences(CAS)
	Institute of Hydro-ecology, MWR and CAS
	Institute of Hydrobiology, CAS

Background and purpose of symposium

The current global development is facing serious water and eco-hydrologic problems. The impacts of climate change and human activities on water cycle and eco-system and water security are increasingly severe. Maintaining a healthy water cycle and ecosystems and ensuring water security are facing many challenges. In order to implement the global sustainable development, the global water security emphasizes the perceptiveness, and scientificity and comprehensiveness, and is closely related with the global food security, and global energy security, and global ecological environment security and global health. The key science issues are Global Water Security Assessment System, Global Water Security Coordinating & Guaranteeing System and Global Water Security Coping Mechanism & Policy. The inter-discipline cross, and multi-organization cooperation are required urgently in order to seek the breakthrough.

In the context of global water security strategy, the regional water security specially emphasizes the sustainable use of water, harmony between human and water, regional flood and drought control, water pollution control and water environment protection. In China, the major basins, such as the Yangtze River, Yellow River, Pearl River and Haihe River basin, are facing different degrees of flood and drought, degradation of water ecosystems, urban serious water problem such as water shortages and water pollution. In Yangtze River basin, the regional development strategy focusing on the “Urban Agglomeration in the Middle Reaches of Yangtze River” covering Hubei province, Hunan province, Jiangxi province and Anhui province, will become the new economic growing pole in China. Solving the above water issues and the protection of ecology and water security are the key to achieve the strategic goals in the region.

The objectives of the symposium, which is sponsored by Wuhan University, International Water Resources Association (IWRA), International Association of Hydrological Sciences (IAHS), are around global and regional water security guarantees of major needs, for basin water cycle and ecological hydrological process, and flood and drought disaster formed mechanism and ecological system of response, and water environment and water pollutions governance and water security guarantees policy of key science problem, Exchange world around of research instance and experience, Discussion on water security in China’s social and economic development and the key technology and measures of the construction of ecological civilization, to promote eco-hydrology and water resource management, environmental strategies and global water security research.



Proposed topics

1. Water cycle and eco-hydrological processes under changing environment

- Monitoring and analysis technology for water-ecosystem
- Understanding and modeling for eco-hydrological processes
- Distributed ecological hydrology modelling
- New technology and development applied to eco-hydrology

2. The mechanism of flood and drought disasters and the response of ecosystem

- Forming mechanism and control for regional disaster
- Forming mechanism and countermeasures for urban waterlogged disaster
- The responses of ecosystem to flood and drought disaster

3. *Water quality management and water pollution control*

- Water quality management through IWRM
- Regional water environment control technology
- Agricultural non-point source pollution prevention and control
- Sudden water pollution prevention and emergency management mechanism

4. *Water security for ecological civilization construction and governance*

- Water security related to foods, energy, agricultural and ecosystem
- Water ecological restoration theory and technology
- Water ecological civilization construction
- Good water governance

Symposium venue and agenda

“International Symposium on Eco-hydrology and Water Security” will be held in two cities, i.e. Wuhan and Yichang. Located in the intersection of the Yangtze River and Hanjiang River, Wuhan is the capital of Hubei province and center city in central China region. Located in the upper and middle reaches of the Yangtze River and 300km far from Wuhan, Yichang is known as "the hydroelectric city". The Three Gorges Dam and Gezhouba Reservoir are located in the territory of Yichang, which is also the only National Health and Civilized City in Hubei Province.

Technical Tours: The Three Gorges Dam

Symposium venue: will be determined

Time: October 18, 2013 : Register

October 19-20, 2013 : Symposium in Wuhan

October 20-21, 2013 : Symposium in Yichang

October 22, 2013 : Post-symposium survey

Important Dates

- One-page abstract (about 300~500 words), including the paper title, author(s), complete name(s), their affiliation(s), mailing address, and Registration form before July 31, 2013
- Accept of Abstract and the second call before August 31, 2013
- Agenda details of the symposium before September 30, 2013

Registration Fee

The registration fee for the symposium will be paid at the meeting site

Members of IWRA and IAHS	200 US\$
Non-members of IWRA and IAHS	220 US\$
Students or accompanying persons	100 US\$

Registration fee includes: opening and closing ceremonies; the banquet; coffee break.

The fee for the post-symposium survey should be paid separately.

Welcome to Wuhan and Yichang



Yellow Crane Tower, Wuhan



East Lake, Wuhan



The Yangtze Three Gorges, Yichang

Contacts

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Registration Form

Name		Gender		Nationality	
Organization					
Position		Occupation		Post code	
Address					
Tel			Fax		
Email					
Academic Report	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Title of academic report					
Technical Tours: Three Gorges Dam	<input type="checkbox"/> Yes <input type="checkbox"/> No				