

**TITLE: *International Symposium of Eco-Hydrology and Water Security:  
Opportunities & Challenges from Developing Countries***

**VENUE:** Xi'an City, Shaanxi Province, China

**DATE:** 16th – 18th October 2018

**SPONSORS:** Working Group on Representation of Developing Countries (WGRDC) for International Association of Hydrologic Sciences (IAHS); China National Committee for Panta Rhei, IAHS Center for Water Resources Research, Chinese Academy of Sciences (CAS) International Water Resources Association (IWRA); IHP, United Nations Educational Scientific and Cultural Organization (UNESCO)

**ORGANIZERS:** Northwest University; Wuhan University; Xi'an University of Technology; Southern University of Science and Technology; Institute of Geographical Sciences & Natural Resources Research, CAS; Institute of Soil and Water Conservation, CAS; Hohai University; North China University of Water Resources and Electric Power

**THEME:**

Facing global change and dynamic socio-economic development in the new century, water issues including floods, droughts, water pollution, and aquatic ecosystem degradation have become critically urgent issues for sustainable development particularly in developing countries. Large-scale example problems also include surface fresh water driving up, more frequent occurrences of extreme storm events, and global warming impacts on water resources. Subsequently, current development of hydrological sciences involving emerging topics regarding “water for ecosystem” and “water for community” raises two essential topics, namely eco-hydrology and water security. These two topics aim at both global and regional levels of water policy and water strategy, which is crucial for top level sustainable planning of water-based development of urban city and rural areas especially in highly-populated developing regions. This international symposium will focus on water security problem (e.g. water supply, river drying up, water quality, floods etc.) and ecosystem-related water issues (eg., wetland degradation, hydrobiology, ecosystem resilience) in the global community with some focus on developing regions. It is intended to discuss the frontier of eco-hydrology and sustainable development based on environmentally friendly solutions, together with the international frontiers of hydrological science programs, e.g., Panta Rhei from IAHS, new Eco-hydrology Programme from IHP-UNESCO and Future Earth. The symposium will bring together top experts from scientific institutions and international organizations and will provide an open platform for the discussion about theories, methodologies and their practices facing to demands from developing countries in the world including China practices.

**KEYWORDS:** Eco-Hydrology, Water Security, Changing Environment, Developing Country



**CONTACTS:** Secretary General: Prof. SONG Jinxi, [jinxisong@nwu.edu.cn](mailto:jinxisong@nwu.edu.cn)  
Chairman: Prof. XIA, Jun, [xiaj@igsnrr.ac.cn](mailto:xiaj@igsnrr.ac.cn)