

IAHS-ICWQ International Workshop on Sustainable Water Quality: relationship between exploitation and protection of water resources

Date: 29-30 November, 2019

Venue: Sun Yat-sen University, Zhuhai, China

Host:

Center for Water Resources and Environment, Sun Yat-sen University, China
Guangdong Engineering Technology Research Center of Water Security Regulation and Control for Southern China
Guangzhou Fengzeyuan Water Science and Technology Co. Ltd., China
Hydraulic Engineering Society of Guangdong Province

Support:

National Natural Science Foundation of China
Scientific Research Program of Hydraulic Engineering of Guangdong Province, China

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Hafzullah Aksoy - Prof., Istanbul Technique University, Turkey
Alberto Montanari – Prof., University of Bologna, Italy
Gulam R. Babayev - Prof., Geology & Geophysics Institute, Azerbaijan
Fi-John Chang – Prof., National Taiwan University, Taipei, China
Anil Mishra – Program Specialist, Section on Hydrological Systems and Water Scarcity,
UNESCO

Background:

Along with climate change and intensive human activities, global water crisis will be a longstanding problem faced by people. Safety water is always the top issue in dealing with water crisis. While water demand and water exploitation are in continuous growing under social-economy development. Water resources protection and rational water exploitation are the key to guarantee water security for sustainable development. There exists an obvious need for global understanding on the relationship between water development and protection. What is the redline of water environmental capacity for regional exploitation especially for developing countries? What are the right policy and feasible countermeasures for aquatic ecosystem protection taken by the government? Through presentation and discussion of case-studies and analyses at different scales, this workshop will cover broad subjects related to water use and water protection: safe drinking water, water pollution, water-use efficiency, freshwater governance, water-related ecosystems, etc.

Topics:

Discuss the role of water quality in the water-energy-food-ecosystem nexus for the goal of sustainable development, specifically in:

- ✓ Water rights and water allocation
- ✓ Safe drinking water strategy
- ✓ Water pollution control
- ✓ High-efficiency sustainable water-use
- ✓ Freshwater governance
- ✓ Water-related ecosystem protection

Purposes:

- ✓ benefit global understanding of the relationship between water development and protection
- ✓ Warn people the redline of water environmental capacity for regional exploitation especially for developing countries
- ✓ Help the government to make the right policy and take feasible countermeasures for water pollution control

Output:

PIAHS - water quality as a key role of water security for sustainable development

Important Dates:

- ✓ Deadline for abstract submission: 10 Nov. 2019.
- ✓ Abstract of no more than 300 words should be sent to Dr. Yihan Tang: 609300407@qq.com ; Mr. Ruida Zhong: zrd2017@163.com
- ✓ Workshop reception: 28 Nov. 2019

Invited speakers:

Hao Wang
Jianyun Zhang
Jun Xia
Chunhong Hu
Zhifeng Yang
Chongyu Xu
Christophe Cudennec
Kate Heal
Fi-John Chang
Wouter Buytaert
Amir AghaKouchak
Elango Lakshmanan
Yanqing Lian
Alena Bartosova

Program:

2days, including presentations and discussion sessions.

29 Nov. 2019: Opening ceremony, keynote speakers, presentations and discussions.

30 Nov. 2019: Presentations, discussions, summary and closing ceremony.

1-2 Dec. 2019: (1) Half day visit to the mouth of the Pearl River Delta, and the Hong Kong – Zhuhai – Macau Bridge, the longest cross-sea bridge in the world; (2) Self-paid trips to Hong Kong and Macau.

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About Zhuhai City, China:

Zhuhai city, a very beautiful coastal city, is in the southwest of the Pearl River estuary in Guangdong Province of China, with Hong Kong in the east and Macao in the south. It is a key point of the 21st-Century Maritime Silk Road. As one of China's first special economic zones, the city has always prioritized ecological development, boasting one of the best environments in China.

Local lands have been reasonably developed, low-end industry is kept in check, and the population count is nicely balanced with its overall quality of living. The Hong Kong-Zhuhai-Macao Bridge, the world's longest cross-sea span and the first of its kind in China, makes Zhuhai the only mainland city to directly connect Hong Kong and Macao by roadway.

Ever since the Guangdong Pilot Free Trade Zone (FTZ) Hengqin Area came into operation in 2015, the city has played an increasingly important role in China's Belt & Road Initiative. It has cooperated with Macao to build a world-class tourism and leisure center and China-Portugal economic and trade cooperation platform. Economic and trade relations with Latin American countries have also been continuously strengthened through diversification and the furthering of secure access to the outside world.

Zhuhai is the only city in China to be named one of the top 40 national tourism destinations for its overall cityscape. It has Chimelong Ocean Kingdom, the biggest of its kind worldwide, and Ocean Spring Resort, the No.1 ocean hot-spring facility in this country. International events that have favored the city include the China International Aviation & Aerospace Exhibition, China International Circus Festival, WTA Elite Trophy Zhuhai, Beach Music Festival, and International Mozart Competition for Young Musicians.

