THEMATIC SESSION 2B

Application of big data and AI in water management

🕑 *14:00-15:30, 25 September 2024, Wednesday*
📍 *Beijing International Convention Center, Room 311#*

Various water-related data can be accessed and acquired with the development of sensors, communication technology, and information systems. Large and diverse data (i.e., big data) increase the plausibility of AI implementation. However, to become a seamless solution, many challenges, such as data collection and management, selecting proper algorithms, and integrating the traditional system with the new system with high compatibility, must be addressed. This thematic session aims to discuss how big data and AI resolve problems and issues in water management. It will present examples and best practices of methods, technologies, and tools to gain insights in a digital framework, including sensing, communication, data storage, analysis, and decision-supporting.

SUB-THEME: Digital Transformation in Water Management

ORGANIZER(S): K-water; Ministry of Water Resources (China); Tsinghua University

PROGRAM

14:00-14:05	Opening	Moderator: Eunher Shin
14:00-14:05	Welcoming remark, Introduction session	**Zhongjing Wang:** Professor, Tsinghua University
14:05-15:17	**Speeches**	**Moderator: Eunher Shin**
14:05-14:17	Presentation	**Chen Xiaoze:** Ph.D. Candidate, Tsinghua University
14:17-14:29	Presentation	**Runliang Xia:** Professorate Senior Engineer, Ministry of Water Resources (China)
14:29-14:41	Presentation	**Olli Varis:** Professor, Aalto University
14:41-14:53	Presentation	**Yongbae Jung:** General Director, K-water
14:53-15:05	Presentation	**Jihoon Kim:** Senior Manager, K-water

15:05-15:17	Presentation	TBC
15:17-15:30	**Conclusion**	**Moderator: Zhongjin Wang**
15:17-15:27	Q&As	Floor open for audience questions and comments
15:27-15:30	Recap and Closing comments	**Zhongjing Wang:** Professor, Tsinghua University

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