



THEMATIC SESSION 4D

Emerging technologies and governance for WEF nexus

🕒 16:00-18:00, 24 September 2024, Thursday
📍 Beijing International Convention Center, Room 305#-E

Extreme climate change and the rapid development of urbanization have brought unprecedented pressure on the utilization and management of water resources in China and Asia as a whole, and have also had a great impact on food and energy resources, which are closely linked to water resources. Most Asian countries, including China, have been practicing decentralized planning and management of strategic basic resources such as water, energy and food, which has led to inefficient use of water resources, irrational energy structure, deterioration of food production, and even serious waste of resources. Based on the concept of water-food-energy synergy, research and practice on water-food-energy synergistic security in Asian countries have been widely carried out, and it is necessary for Asian countries to jointly respond to the crisis in the security of water resources and food by utilizing the platform of the Asian International Water Week to publicize and exchange international emerging technologies and management models.

SUBTHEME: Water for Food and Energy Security

ORGANIZER(S): Nanjing Hydraulic Research Institute
Nanchang Institute of Technology

PROGRAM

16:00-18:20	Opening	Moderator: WANG Xiaojun
16:00-16:05	Welcome remarks and introduction of speakers	WANG Xiaojun: Professor, Nanjing Hydraulic Research Institute
16:05-16:10	Opening address	CHEN Mingzhong: Director-General, Department of Rural Water Resources and Hydropower, Ministry of Water Resources of China
16:10-16:15	Opening address	WU Shiqiang: Vice President, Nanjing Hydraulic Research Institute

16:15-16:25	Group photo	Moderator: WANG Xiaojun
16:25-17:05	Speeches and discussion	Moderator: DAI Jiangyu
16:25-16:35	Balancing solar farming, food security, and groundwater conservation goals in California's Central Valley	Biz Yoder: Professor, Duke University, USA
16:35-16:45	Managing Water-Food-Energy-Carbon Nexus for Sustainable Development	LIU Junguo: President, North China Electric Power University Academician of the Swiss Academy of Engineering Sciences, Foreign Academician of the European Academy of Sciences
16:45-16:55	Presentation	Thanapon Piman: Senior Research Fellow, SEI Asia
16:55-17:05	Hydrologic Extremes, Hydropower, and Reservoir Emissions Intertwined in the Lancang-Mekong River Basin	TANG QiuHong: Professor, Institute of Geographic Sciences and Natural Resources Research, CAS
17:05-17:15	Reversing the Water Cycle: Our energy and land use are changing to meet the climate, pollution and biodiversity loss crisis, how should our use of water also change to become truly sustainable	Simon Spooner: Professor, Associate Director of AtkinsRéalis
17:15-17:25	Tea Break	Moderator: DAI Jiangyu
17:25-	Speeches and discussion	Moderator: ZHU Yongnan
17:25-17:35	Experience in the National Water Council, Water Technology Devices in Indonesia and Regulations	Pradygdha Kumayan Jati: Program Manager, IBEKA Foundation, Indonesia
17:35-17:45	Sustainable River Management under Water-Food-Energy Nexus Approach	WANG Xiaojun: Senior Engineer of Professor level, Deputy Director of Department of Rural Water Management, Nanjing Hydraulic Research Institute
17:45-17:55	Presentation	Ziqian Gong (TBC): Senior Research Fellow, RTI International's Center for Water Resources
17:55-18:05	Understandings on the coordinated protection of water food security in China	He Guohua: Professor, China Institute of Water Resources and Hydropower Research
18:05-18:15	Emerging Approaches to Transboundary WEF Governance in the High	Zia Madani: Assistant Professor, University of Tsukuba

	North: Exploring Legal Frameworks for Nexus-Thinking	
18:15-18:20	Conclusion	Moderator: ZHU Yongnan
18:15-18:20	Closing remarks	LIU Junguo: President, North China Electric Power University Academician of the Swiss Academy of Engineering Sciences, Foreign Academician of the European Academy of Sciences

For more information about the 3rd Asia International Water Week, please visit <https://3-aiww.scimeeting.cn>.