



THEMATIC SESSION 4B

Improving water-use efficiency for food and energy production

🕒 10:30-12:00, 26 September 2024, Thursday

📍 Beijing International Convention Center, Room 201#-BC

The global population has reached 8 billion and is projected to reach or exceed 9.8 billion by 2050. Population growth, along with urbanization and accelerated industrialization, has significantly increased the demand for water, food, and energy. Balancing environmental protection and quality of life while ensuring food, water, and energy security will be a major long-term challenge for scientists, policymakers, and technologists in the coming decades. Notably, agriculture accounts for more than 60% of global water withdrawals, with approximately 70% of the world's freshwater resources used for irrigation. There is a critical interdependence between water, food, and energy. The challenge today is to maximize crop yields and energy production with every drop of water. This objective lies at the core of the "water-food-energy nexus" concept. As water scarcity increases, improving the efficiency and productivity of water resources in food and energy production becomes even more essential. This thematic session brings together a group of experts to discuss various strategies for enhancing water-use efficiency in these crucial areas.

SUB-THEME: Water for Food and Energy Security

ORGANIZER(S): China Institute of Water Resources and Hydropower Research; Chinese National Committee on Irrigation and Drainage

PROGRAM

10:30-10:40	Opening	Moderator: WU Wenyong
10:30-10:35	Welcome remarks and introduction of speakers	WU Wenyong: Professor, China Institute of Water Resources and Hydropower Research
10:35-10:40	Opening address	GAO Zhanyi: HP, International Committee on Irrigation and Drainage

10:40-11:55	Speeches and discussion	Moderator: WU Wenyong
10:40-10:55	Presentation	Marco Arcieri: President, International Committee on Irrigation and Drainage
10:55-11:10	Presentation	Mohsin Hafeez: Director of Water, Food and Ecosystems, International Water Management Institute
11:10-11:25	Presentation	Ai Sugiura: Programme Specialist for Natural Sciences, UNESCO Regional Office for East Asia
11:25-11:40	Presentation	Elizabeth Cui: Senior VP of DAYU Group, GM of Agro-Water, GM of International Dept.
11:40-11:55	Presentation	WANG Jianhua: Vice President of China Institute of Water Resources and Hydropower Research
11:55-12:00	Conclusion	Moderator: WU Wenyong
11:55-12:00	Closing remarks	GAO Zhanyi: HP, International Committee on Irrigation and Drainage

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