



## THEMATIC SESSION 4C

### Energy use and carbon cycle for sustainable hydropower development

🕒 10:30-12:00, 25 September 2024, Wednesday  
📍 Beijing International Convention Center, Room 201#BC

To meet net zero goals and provide the backbone to tripling renewables by 2030, hydropower needs to double by 2050. Hydropower is not just energy delivery. It provides a range of other invaluable services to energy grids, such as storage and flexibility to balance solar and wind, while also supporting communities through agriculture services, water management and climate mitigation. Pumped storage hydropower is gaining momentum, and its potential to shore up the energy grid is rapidly becoming clear to world leaders. With these elements in mind, the outlook for hydropower is bright and challenging in equal measure.

In a world facing increasing climate and geopolitical challenges, policymakers and the industry need to act now. At present, China's hydropower sector maintains a rapid development trend. The completion of a number of major projects and global leadership in the relevant technologies, all signal the process of energy transition and high-quality development. At the same time, the coordinated development of hydropower, pumped storage, wind power, photovoltaic and other renewable energy sources also provide an important starting point for achieving the "net zero" target, and will usher in enormous opportunities in the near future.

**SUB-THEME:** Water for Food and Energy Security

**ORGANIZER(S):** China Institute of Water Resources and Hydropower Research (IWHR); International Center on Small Hydropower; International Hydropower Association (IHA).

## PROGRAM

<b>10:30-10:40</b>	<b>Opening</b>	<b>Moderator: CHEN Liang</b>
10:30-10:35	Welcome remarks and introduction of guests	<b>CHEN Liang:</b> Professor, IWHR; Executive Secretary, IHA China Office
10:35-10:40	Opening address	<b>LIU Yi:</b> Vice President, IWHR; Director, IHA China Office
<b>10:40-11:00</b>	<b>Keynote speech</b>	<b>Moderator: CHEN Liang</b>
10:40-10:45	Presentation	<b>FEI Wantang:</b> Chief Expert of the Pumped Storage Special Committee, China Energy Research Association.
10:45-10:50	Presentation	<b>John Dore:</b> Lead Water Specialist, Australia's Department of Foreign Affairs and Trade (DFAT)
10:50-10:55	Presentation	<b>HAN Changlin:</b> Deputy General Manager, Beijing IWHR Technology Co., Ltd
10:55-11:00	Presentation	<b>XIE Lei:</b> Manager of Energy Policy, IHA
<b>11:00-11:15</b>	<b>Ceremony</b>	<b>Moderator: CHEN Liang</b>
11:00-11:10	Ceremony	Joint launch of "2024 World Hydropower Outlook (Chinese Version)"
11:10-11:15	Coffee Break	
<b>11:15-11:55</b>	<b>Leaders' Salon</b>	<b>Moderator: Pablo Valverde</b>
11:15-11:55	Panel discussion	<b>LIU Yi:</b> Vice President, IWHR/Director, IHA China Office
	Panel discussion	<b>Anton Louis Olivier:</b> Chair, IHA
	Panel discussion	<b>HUANG Yan:</b> Deputy Director, International Center on Small Hydropower
	Panel discussion	<b>Chen Shiun:</b> Senior Vice President, Sarawak Energy Berhad (SEB)
	Panel discussion	<b>YU Bin,</b> Deputy Chief Economist, China Three Gorges Corporation (CTG)
11:55-12:00	Closing remarks	<b>Anton Louis Olivier:</b> Chair, IHA

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