

A sub forum on "Digital Watersheds Supporting Sustainable Development" was successfully held 5th International Forum on Big Data for Sustainable Development Goals

On September 8, 2025, the 5th International Forum on Sustainable Development Big Data successfully concluded in Beijing. This forum has attracted over 700 representatives from nearly 50 countries and 17 international organizations around the world to discuss the key role of big data in promoting global sustainable development.



As an important part of the conference, the Digital Watersheds Professional Committee, headed by Xia Jun, a professor of Wuhan University and an academican of the CAS Member, jointly held a sub forum with Zhejiang University of Technology on the theme of "Digital Watersheds for Sustainable Development". The sub forum was held on the afternoon of September 7th in Conference Room 305C, attracting more than 40 experts and scholars from China, Pakistan, Uzbekistan and other countries to participate in the exchange.

Academician Xia Jun specially recorded a video speech. He pointed out in the video that digital watersheds, as an important technological path for achieving sustainable management of water resources and ecological civilization construction, are increasingly becoming the core direction of global water science research and practice. He briefly looked forward to the development trend of digital watershed technology in the future, emphasized the importance of interdisciplinary integration and international

cooperation, and called on more young scholars to engage in research in this field.

Twelve experts and scholars from well-known universities and research institutions at home and abroad, including Tsinghua University, Yunnan University, Wuhan University, Sichuan University, and Zhejiang University of Technology, gave academic presentations covering multiple cutting-edge topics such as digital watershed modeling, water resources management, water ecological environment protection, carbon and nitrogen assessment, and disaster assessment. The attending representatives conducted in-depth discussions on how to use digital technologies such as big data, remote sensing, and artificial intelligence to improve watershed simulation accuracy, watershed management level, and address water security challenges brought about by climate change.

This sub forum not only showcased the latest achievements in digital watershed research, but also provided a high-level communication platform for relevant research institutions at home and abroad, further promoting the application and promotion of digital technology in sustainable development of water resources and ecological environment.