

Challenges and Response Strategies for Water Resources in Islands and Coastal Regions Under Changing Climate

Session Number: SS-1-22

Time: Sept 13, 16:00-17:30

Location: Room 9

Lead Organiser: Sun Yat-sen University, China

Co-organiser: Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), China

Moderator: Prof. Wenjie Dong, Professor, Director, School of Atmospheric Sciences, Sun Yat-sen University, China

Speakers	Title
Dr. Wenjie Dong , Professor, Director, School of Atmospheric Sciences, Sun Yat-sen University, China	Development and Applications of the Earth System Model SYCIM
Dr. Danya Xu , Senior Researcher, Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), China	Numerical Simulation of the Coastal Inundation Around Guangdong-Hongkong-Macao Greater Bay Area
Dr. Lei Li , Professor, School of Atmospheric Sciences, Sun Yat-sen University, China	Application of Machine Learning in Massive Rainfall Data Mining: Taking Shenzhen as an Example
Dr. Zhangcai Qin , Professor, School of Atmospheric Sciences, Sun Yat-sen University, China	Land-water-emissions nexus along coastal blue carbon ecosystems
Dr. Yineng Li , Senior Researcher, South China Sea Institute of Oceanology, Chinese Academy of Sciences (CAS), China	A Multi-mode Neural Network for the Long-term Ocean Wave Hindcast around the Island Coastal Region
Panelists	Contents
Dr. Wenjie Dong , Professor, Director, School of Atmospheric Sciences, Sun Yat-sen University, China	Challenges and Response Strategies for Water Resources in Islands and Coastal Regions Under Changing Climate