

Regional groundwater cycling, evolution and environmental processes research

Session Number: SS-6-22

Time: Sept 12, 16:00-17:30

Location: Room 10

Lead Organiser: Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences (IHEG)

Co-organiser:

International Association of Hydrogeologists, China National Chapter

Key Laboratory of Water Cycling and Ecological geological process, Fujian Province

Moderator: Prof. Zhenjiao Jiang, Jilin University

Speakers	Title
Prof. Yasong Li, The Institution of Hydrogeology and Environmental Geology, CAGS	Introduction of the session
Panelists	Contents
Prof. Lihe Yin, Urumqi Comprehensive Survey Center of Natural Resources, CGS	Groundwater-dependent ecosystems in China: Where they are and how they vary
Prof. Yasong Li, The Institution of Hydrogeology and Environmental Geology, CAGS	Groundwater circulation and hydrogeochemical evolution in the coastal zone of Xiamen, southeast China
Prof. Peiyue Li, Chang'an University	Groundwater quality research in Northwest China
Prof. Yuejun Zheng, China Institute for Geo-Environmental Monitoring	Research on groundwater resource zoning in China
Prof. Yueqing Xie, Nanjing University	Variations and sources of dissolved inorganic carbon in coastal unconfined and confined aquifers of the Yangtze River Delta

Moderator: Prof. Yueqing Xie, Nanjing University

Panelists	Contents
Prof. Shi Yu, Institute of Karst Geology, CAGS	Groundwater Spatio-temporal distribution characteristics and source analysis of heavy

	metals in Guilin area
Prof. Zhenjiao Jiang , Jilin University	Paleovalley aquifer identification based on a deep learning model
A.P. Yong Xiao , Southwest Jiaotong University	Development and driving mechanisms of groundwater flow systems in hyper-arid endorheic basins: a case from Tibetan Plateau
Prof. Rong Ma , The Institution of Hydrogeology and Environmental Geology, CAGS	Ecological risks arising for the regional water resources in Inner Mongolia due to a large-scale afforestation project