Session E4   Climate and Disasters

Time: 10:30-12:11, 7th September   Room: 305A

Co-Chairs	ZHANG Xiang, China University of Geosciences (Wuhan)
	JI Peng, Nanjing University of Information Science and Technology
	LIU Xingpeng, Northeast Normal University
	Aminjon Gulakhmadov, National Academy of Sciences of Tajikistan

Time	Title
10:30-10:45	**Integrated Risk Zoning for Accurate Disaster Management at the Watershed Scale** ZHOU Lei (Beijing University of Civil Engineering and Architecture, China)
10:45-11:00	**The role of VPD on the urban heat islands and heat waves interaction over CONUS** WANG Linying (Institute of Atmospheric Physics, Chinese Academy of Sciences)
10:00-11:15	**Rapid Transition from Heavy Precipitation to Extreme humid heatwaves in Global Hotspot Regions** FANG Jian (Huazhong Normal University, China)
11:15-11:30	**Drought Recurrence Across China Under Diverse ENSO and IOD Modes (1941–2023)** LIU Zhenchen (Hohai University, China)
11:30-11:45	**Widespread global exacerbation of extreme drought induced by urbanization** HUANG Shuzhe (Wuhan University, China)
11:45-11:47	**Excess water availability in northern mid-high latitudes contiguously migrated from ocean under climate change** GUAN Yansong (The Chinese University of Hong Kong, China)
11:48-11:50	**Attribution of the 2021 compound drought-heatwave event over Central Asia to multiple drivers** YANG Yaqi (China University of Geosciences, China)
11:51-11:53	**Analyzing Drought-Induced Vulnerability of Industrial Water and Domestic Water: A Case Study of the Beijing-Tianjin-Hebei Region** CHEN Zihan (Zhengzhou University, China)
11:54-11:56	**Global increase in future compound heat stress-heavy precipitation hazards and associated socio-ecosystem risks** ZHOU Zhiling (Changjiang River Scientific Research Institute, China)
11:57-11:59	**Hazard Assessment of High-Intensity Forest Fires in Northeast China Based on Machine Learning** MA Bing (Northeast Normal University, China)
12:00-12:02	**Ensemble Learning-Based Simulation and Assessment of Compound Heatwaves in the Yangtze River Delta Region**

	ZHANG Xinyi (Nanjing University of Information Science & Technology, China)
12:03-12:05	**Crop Dynamic Root Depth Matched High-resolution Multi-layer Soil Moisture Dataset and Corresponding Agricultural Drought Index** LIU Xin (China University of Geosciences, China)
12:06-12:08	**High-intensity forest fire early warning in fire-prone areas** GA Rima (Northeast Normal University, China)
12:09-12:11	**The Physiological and Structural Responses of African Vegetation to Extreme Drought based on Multi-spectral Satellite Remote Sensing Datasets** ZHAO Yuqiao (China University of Geosciences, China)