Session A2   Harnessing Big Data for Sustainable Food Security

Co-Chairs	Muhammad Waqar Yasin, Land Information and Management System Centre of Excellence (LIMS-CoE), Pakistan
	Muhammad Abu Bakar Zia, Land Information and Management system (LIMS), Pakistan
	Study on Arable Land Suitability Evaluation in Black Soil Regions under Ground Substrate Constraints WANG Minhua (Center for Geophysical Survey, China Geological Survey, China)
	Integrating AI with GWAS: A Pathway to Enhanced and Sustainable Food Security Muhammad Abu Bakar Zia (Land Information and Management system (LIMS), Pakistan)
	Climate Resilient Agriculture and Role of Big Data Muhammad Waqar Yasin (Land Information and Management System Centre of Excellence (LIMS-CoE), Pakistan)
	High-Precision Monitoring of Spartina alterniflora by Integrating Multi-Source Remote Sensing Data and Deep Learning Models CHEN Gang (Satellite Environmental Application Center, Ministry of Ecology and Environment, China)
	Urbanization exacerbates the risk of extreme drought impacting food security in sub-Saharan Africa LIU Jing (Capital Normal University, China)