The 6th International Forum on Big Data for Sustainable Development Goals (FBAS 2026)

Session Proposal Template

Session Title	Agricultural Monitoring by multi-source remote sensing techniques	
Session Chair(s)	*Name*	Wei Su
	Affiliation	China Agricultural University
	Profile (200-word limit)	Su Wei is a professor and doctoral supervisor at the College of Land Science and Technology, China Agricultural University. She is a member of the Expert Consultation Group of the Ministry of Emergency Management and deputy director of the Key Laboratory of Agricultural Disaster Remote Sensing, Ministry of Agriculture and Rural Affairs. She has been selected as an Innovative Young Surveying and Mapping Science and Technology Talent by the Chinese Society for Geodesy, Photogrammetry and Cartography. And she has got the Teaching Excellence Award of China Agricultural University. Her research is focusing on monitoring agro-meteorological disasters by remote sensing techniques. She has hosted five projects of the National Natural Science Foundation of China, one intergovernmental international science and technology innovation cooperation project between the Chinese and South African governments under the National Key R&D Program, and one project of the Beijing Natural Science Foundation. She has published more than 70 SCI/EI papers as first or corresponding author, has been granted nine national invention patents.
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Preferred Topics	Agricultural Monitoring by multi-source remote sensing techniques	
Session Description (200-word limit)	Crop planted area classification, growth monitoring, agro-meteorological disasters monitoring, yield estimation are vital for food security and sustainable development. This section focuses on the empowerment of agriculture remote sensing including crop growth monitoring, disaster early warning, precision agro-information, crop yield estimation etc. By integrating multi-source remote sensing data (hyperspectral, radar, multispectral), artificial intelligence algorithms, and geospatial analysis techniques, it aims to promote coordinated management of the agriculture–land system, serving the protection of cultivated land redlines, capacity enhancement, and global food security strategies. Topics include but are not limited to crop planted area classification, growth monitoring, agricultural disaster monitoring, digital farmland and precision management, intelligent monitoring of the "non-agricultural" and "non-grain" conversion of arable land, multi-dimensional diagnosis of land health, cultivated land quality evaluation, optimization of agricultural landscape patterns, and agricultural land remote sensing monitoring for carbon neutrality.	
Expected outcomes (50-word limit)	More than 8 speakers for academic communication about quantitative application of multi-source remote sensing techniques.	

Please submit filled session proposal to fbas@cbas.ac.cn before **April 20, 2026**