The International Conference on Agricultural Spatial Information Applications
Agenda

October 22, 2025

Time	Topics and Speakers	Note
9:00-9:30	**Registration**	
9:30-9:50	**Opening** **Welcome and Remarks**	
9:50-10:00	**Group Photo**	
	Session 1 **Net-Zero Emissions**	
10:00-10:30	Topic: Reimagining the Application of AI in Soil Science Speaker: Dr. Budiman Minasny (The University of Sydney, Australia)	25 + 5min
10:30-11:00	Topic: Assessing the soil organic carbon sequestration potential in agricultural soils of Taiwan Speaker: Dr. Chien-Hui Syu (Taiwan Agricultural Research Institute, Taiwan)	25 + 5min
11:00-11:30	Topic: Water level monitoring in rice field for AWD method verification to reduce GHG emission monitoring using remote sensing approaches Speaker: Dr. Shinichi Sobue (Japan Aerospace Exploration Agency, Japan)	25 + 5min
11:30-12:00	Topic: Impacts of Environmental Drivers and Climatic Extremes on Soil Organic Carbon Stocks in Major Watersheds under Subtropical Climate in Taiwan Speaker: Dr. Shih-Hao Jien (National Chung Hsing University, Taiwan)	25 + 5min
12:00-12:20	**General Discussion**	
12:20-13:30	**Lunch Break**	
	Session 2 **Agricultural Water Resource Management**	
13:30-14:00	Topic: Digital Agriculture Technologies for Irrigation Efficiency: The DATI Project – Three Years of Experience Speaker: Dr. Alessandro Matese (National Research Council - Institute of BioEconomy, Italy)	25 + 5min
14:00-14:30	Topic: Spatial information technologies for agricultural water resources management Speaker: Dr. Chih-Hung Tan (Agricultural Engineering Research Center, Taiwan)	25 + 5min
14:30-15:00	**Coffee Break**	
15:00-15:30	Topic: Anticipating Drought: Data, Scenarios, and Forecasts for Resilient Water Management Speaker: Dr. Ramona Magno (National Research Council - Institute of BioEconomy, Italy)	25 + 5min
15:30-16:00	Topic: SAR Remote Sensing for Soil Moisture Retrieval and Drought Monitoring Speaker: Dr. Nguyen-Thanh Son (National Central University, Taiwan)	25 + 5min
16:00-16:30	**General Discussion**	

The International Conference on Agricultural Spatial Information Applications
Agenda

October 23, 2025

Time	Topics and speakers	Note
9:00-9:30	**Registration**	
	Session 3 **Agricultural Environments Monitoring**	
9:30-10:00	Topic: Land use and rice monitoring in the Mekong Delta, Vietnam Speaker: Dr. Lam Dao Nguyen (Vietnam National Space Center, Vietnam)	25 + 5min
10:00-10:30	Topic: AgriSAR Taiwan – SAR-based Smart Agriculture Monitoring System for Taiwan Speaker: Yunung Lin (Academia Sinica, Taiwan)	25 + 5min
10:30-11:00	Topic: Unveiling the Fire Landscape: Probabilistic Mapping and Causal Factors of Wildland Fires in Central America Speaker: Dr. Miguel Conrado Valdez (National Central University, Taiwan)	25 + 5min
11:00-11:30	Topic: Index Insurance and Sustainable Agriculture Speaker: Dr. Shu-Ling Chen (National Taipei University, Taiwan)	25 + 5min
11:30-12:00	**General Discussion**	
12:00-13:30	**Lunch Break**	
	Session 4 **Resilient Agriculture**	
13:30-14:00	Topic: Resilience and Recovery of Croplands in Mediterranean Environments Speaker: Dr. Piero Toscano (National Research Council - Institute of BioEconomy, Italy)	25 + 5min
14:00-14:30	Topic: Case Studies on Climate Risk Assessment and Adaptation for Crops Speaker: Hsin-Chi Li (National Science and Technology Center for Disaster Reduction, Taiwan)	25 + 5min
14:30-15:00	**Coffee Break**	
15:00-15:30	Topic: Assessing the Effects of Climate Change on Maize Production and Adaptation Strategies: case study in Taiwan Speaker: Chu-Chung Chen (Taiwan Agricultural Research Institute, Taiwan)	25 + 5min
15:30-16:00	Topic: Climate Change Adaptation in Practice: Insights from the Farmer's Perspective Speaker: Dr. Te-Hsiu Huang (Agricultural Technology Research Institute, Taiwan)	25 + 5min
16:00-16:30	**General Discussion**	
16:30-17:00	**Closing Remarks**	