(Second Announcement)

A 840

The 14th International Symposium on Digital Earth

21–25 April 2025 Chongqing, China Theme: Digital Earth Facilitating Sustainable Development Goals **P**

The Sustainable Development Goals (SDGs) are at the core of the United Nations 2030 Agenda for Sustainable Devel-opment. Currently, the implementation of the 2030 Agenda faces multiple challenges. How to address the challenges of sustainable development and support the achievement of global SDGs has become a global focus. The advance ment of digital earth technology, especially the rapid development of digital transformation, has shown great potential in solving sustainable development problems. To promote international exchanges and cooperation in the field of digital earth globally, the International Symposium on Digital Earth has been successfully held in 10 countries for 13 series of conferences, attracting much attention and support. From April 21 to 25, 2025, the 14th International Symposium on Digital Earth, jointly hosted by the International Society for Digital Earth (ISDE) and Southwest University, will be held in Chongqing, China. With the theme of " Digital Earth Facil-itating Sustainable Development Goals", the conference aims at the hot frontiers and major scientific issues in the field of digital earth at home and abroad, promoting digital earth technology to play a greater role in achieving the SDGs. Taking this conference as an opportunity, it will also meet the major strategic needs of the construction of Dig ital Chongqing and comprehensively promote the imple mentation of Chinese modernization in Chongqing. Through this conference, experts and scholars from the scientific community, education sector, government departments industry enterprises, international organizations and institutions in the field of global digital earth will be further gath ered to share the latest theories, technologies and application progress of digital earth, exchange new ideas, new dis coveries and new progress in technological innovation and application demonstration, thus contributing to the prog ress of digital earth science and technology in China and promoting the role of earth big data science and technolo gy in major scientific discoveries and the national strategy of self-reliance and self-improvement in science and tech nology.

The relevant matters are hereby notified as follows:

CONFERENCE DATE AND VENUE

April 21 - 25, 2025

Date:

Venue: Chongqing Yuelai International Convention Center, China

CONFERENCE ORGANIZERS

Organizers: International Society for Digital Earth (ISDE) Southwest University

Hosts:

Chinese National Committee of the International Society for Digital Earth International Research Center of Big Data for Sustainable Development Goals School of Geographical Sciences, Southwest University Chongqing Yuelai Liangjiang International Hotel

Conference Management Co., Ltd. Co-organizers (in no particular order):

International Society for Photogrammetry and Remote Sensing

IEEE Geoscience and Remote Sensing Society African Association of Remote Sensing of the Environment Moroccan Association of Remote Sensing of the Environment

Bulgarian Cartographic Association Australian Surveying & Spatial Sciences Institute Faculty of Science, Masaryk University, Czech Republic Committee on Data of the International Science

Council Alliance of National and International Science Organizations for the Belt and Road Region Digital Belt and Road Program

Integrated Research on Disaster Risk of the International Science Council International Centre on Space Technologies for Natural and Cultural Heritage under the Auspices

of UNESCO CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation China Association for Science and Technology — United Nations Consultative Office on Integrated

Research on Disaster Risk Neogeography R&D Group, Russia Indonesian Society for Remote Sensing

Peking University Tsinghua University

Beijing Normal University Wuhan University

Nanjing Normal University

The Chinese University of Hong Kong Capital Normal University

China University of Geosciences (Wuhan)

Ocean University of China Institute of Oceanology, Chinese Academy of Sciences Chongqing School, University of Chinese Acade-

my of Sciences Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences

School of Geography and Tourism, Chongqing Normal University School of Smart City, Chongqing Jiaotong University The Geographical Society of Chongqing

State Key Laboratory of Remote Sensing Science Laboratory of Target Microwave Properties Key Laboratory of Earth Observation of Hainan Province, China

Chongqing Jinfo Mountain Karst Ecosystem National Observation and Research Station Chongqing Engineering Research Center for Remote Sensing Big Data Application

Chongqing Key Laboratory of Karst Environment

CO-CHAIRS OF 14TH ISDE

Huadong Guo, Academician of the Chinese Academy of Sciences, Honorary President of the International Society for Digital Earth Csaba Kőrösi, The 77th President of the United Nations General Assembly

Co-chairs:

Guanhua Xu, Academician of the Chinese Academy of Sciences, Former Minister of Science and Technology of China Alessandro Annoni, President of the International Society for Digital Earth

ORGANIZING COMMITTEE

Co-chairs:

Changlin Wang, Secretary-General of the International Society for Digital Earth Qiang Tang, Dean of the School of Geographical Sciences, Southwest University Gretchen Kalonji, Former Assistant Director General for Natural Sciences, UNESCO

Vice Chairs:

Zhen Liu, International Society for Digital Earth Dong Liang, Chinese National Committee of the International Society for Digital Earth Fang Chen, International Research Center of Big Data for Sustainable Development Goals



To be Updated

>> PARALLEL SESSIONS

Classification	Session Title	Convener
	Advances in Hyperspectral Remote Sensing Artificial Intelligence	Lianru Gao; Kun Tan; Weiwei Sun; Wei Li
	Empowering Digital Disaster Reduction	Wang Lizhe; Ming Dongping; Xu Chong
	Characterize Forest Coverage and Carbon Density Dynamics using Remote Sensing Technology	Yong Pang; Liming Du; Shili Meng; Xiyu Chen
	Digital Mountain Modelling and Application	Ainong Li; Huaiyong Shao; Wei Zhao; Amin Naboureh
	Digital Transformation of the Agri-Food System	Yuanchao Hu; Prajal Pradhan; Xue Wang
(1)Theories, Models, and Key Technolo- gies of Digital Earth	Harnessing big data, remote sensing, and artificial intelligence for SDG (sustainability nexus) modelling	Prajal Pradhan; Fang Chen; Min Cao; Jian Lin
	Mapping Earth's Surface Changes and Quantifying Environmental Costs	Bakhtiar Feizizadeh; Omid Ghorbanzadeh; Amin Naboureh
	Remote Sensing Intelligence Mapping	Xin Huang; Jiayi Li
	Remote sensing of plant diversity from terrestrial to aquatic ecosystems	Yuan Zeng; Paolo Villa; Zhaoju Zheng
	Remote Sensing of the Terrestrial Ecosystem Carbon Cycle	Xiaobin Guan; Zhaoying Zhang; Xinyao Xie
	The theory and method of Information Geography in advancing natural resource development	Rui Zhu; Hou Jiang; Bei Cheng
	Better Earth: Towards Global Harmony with Digital Earth	Eugene Eremchenko; Samrat Ray
	Big data in support of LDN	Xiaosong Li; Amos Tiereyangn Kabo-bah
	Big Earth Data and Ecosystem Services	Dongjie Guan; Zhifeng Liu; Lilei Zhou; Qun Ma
	Coastal Zone Big Data and Remote Sensing	Fenzhen Su; Fengqin Yan; Qi Wang
(2) Big Earth Data Sharing, Applications, and Services	Development and Application of data mining & Al Algorithms in Spatial Earth Big Data	Yongzhang Zhou; Hui Yang; Huixiao Ji
	Digitalization of soil and water resources	Lin Chen; Song Xiaodong; Jiang Penghui; Zhao Wei
	Leveraging Digital Earth for SDGs Implementation	Labbassi, Kamal; Min Cao
	Ocean Big Data: Intelligent Analysis, Reconstruction, and Application	Chaolun Li; Shilin Tang; Yineng Li
	Protecting Wetlands with remotely sensed data for Our Common Future	Zongming Wang; Jiangwei Guo; Zhenguo Niu; Dehua Mao
	Application of Key Autonomous driving Technologies in the Innovative Design of Remote Sensing Satellites	Ruofel Zhong; Ruisheng Wang; Mi Wang; Xue Wan
	Big Earth data sharing, application and service	Dongmei Yan; Jie Jiang; Li Zhang
	Demonstration application in the field of digital ocean	Ge Chen; Xiaoming Li; Baoxiang Huang; Shilin Tang
	Earth Observation for Environmental Impact Assessment of Mining	Kai Qin; Nisha Bao; Yajun Tian
(3) Demonstrative Applications in the	LiDAR Remote Sensing for Sustainable Development: Innovations and Applica- tions in Digital Earth	Dan Zhao; Sheng Nie; Cheng Wang; Yong Pang
Field of Digital Earth	New theories, technologies and applications of digital watershed for sustainable development	Xi Chen; Qiming Zhou; Alphonse Kayiranga
	Remote sensing data fusion and geospatial applications	Linwei Yue; Qiangqiang Yuan; Yinghong Jing; Liupeng Lin
	Remote Sensing Monitoring and Applications in Cloudy and Rainy Environments	Zhiwei Li; Guoqiang Shi; Hongsheng Zhang
	The Applications of Laser Scanning Technologies for Sustainable Development and Management of Forest Ecosystems	Wenjian Ni; Cheng Wang; Jiayuan Lin; Yao Wang
	Digital hydrology and water resources for sustainable development	Li Jia; Yaoming Ma; Yuanbo Liu; Tianjie Zhao
	Digital Science Fosters the Sustainable Development in Earth's Poles	Jiancheng Shi; Rongxing Ll; Xiao Cheng
	Harnessing Digital Agriculture for Sustainable Development	Bingfang Wu; Wenbin Wu; Miao Zhang
	Harnessing the Power of Digital Tech for Regional Sustainability	Hong Jiang; Zhaoming Zhang; Eshetu Shifaw
(4) Digital Earth for Supporting the Achievement of Sustainable	Intelligent Extraction and Application of Sustainable Development Elements	JianPing Pan; MingChang Wang; QiangYi Yu; Ming Hao
Sustainable Development Goals	Space Tech-Oriented Heritage Value Recognition, preventive monitoring and sustainable assessment	Fulong Chen; Timo Balz; Ana Pereira Roders
	Transition of DBAR Science, Technology, and Innovation Implementation for Global Sustainability to 2030	Gretchen Kalonji; Yubao Qiu
	Youth-Led Earth Observa- tion Innovation: DBAR ICOE Ghana's Approach to Water-Energy-Land Nexus Management	Amos Tiereyangn Kabo-bah; Xiaosong Li; Jia Li
	Satellite Observations for Carbon and Pollutant Source Monitoring and Management	Dacheng Wang; Zhaocheng Zeng; Kai Qin; Aixia Yang

art Territory and Smart Transportation Pengjun Zhao; Junqing Tang; Haoran Zhang; Qiyang Liu Spatial Information Peng Yue; Wenxiu Gao;

Of Development of Digital Earth Industry and Enterprises	Promoting Industry Development	Yuanzheng Shao; Jiantao Bi	
	The Global Human Settlement Layer for monitoring the implemen- tation of international frameworks	Christina Corbane; Linlin Lu; Michele Melchiorri; Martino Pesaresi	
	Thermal Infrared Remote Sensing for Global Climate Change Analysis	Zunjian Blan; Xiang- yang Liu; Yazhen Jiang	
(6) Digital Earth Supporting Innovation and Development of Countries along the Belt and Road Initiative	Al-Enabled Virtual Geographic Environments	Min Chen; Songshan Yue; Weilian Li	
	Geo-Information Technolo- gy Enabling Cultural Heritage Conservation & Inheritance	Anrong Dang; Xiangqian Zhang; Ruixia Yang	
	Meteorology and the national security	Yong Xue; Yuan Cheng; Gerrit de Leeeuw	
	Multi-source sensing for urban environment and infrastructure	Feifei Tang; Maolin Chen; Zhixin Yang; Chuan Hu	

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CONFERENCE AGENDA

	April 21	April 22	April 23	April 24	April 25	
	AM All-Day Registration	Opening Ceremony	Parallel Sessions	Parallel Sessions		
AM			Parallel Sessions	Parallel Sessions		
			Plenary Session	Parallel Sessions	Parallel Sessions	Technical Tour
PM			Parallel Sessions	Closing Ceremony		
		All-Day E	xhibition			

CALL FOR ABSTRACTS

This conference will feature oral presentations (including plenary keynote speeches and session presentations) and poster presentations. Representatives who will give oral presentations in sessions and participate in poster presentations are required to register for the conference and submit abstracts (in English) online. When submitting the abstract, the topic of the session must be selected. The organizing committee will notify the authors whose abstracts have been accepted following a careful review.

IMPORTANT DATES				
February 20, 2025	Abstract Submission Deadline			
February 28, 2025	Abstract Acceptance Notification			
March 15, 2025	Early Bird Registration Deadline			

REGISTRATION 1. Registration Fees			
Registration Categories	Early Bird Registration (By March 15, 2025)	Regular Registration (By April 21, 2025)	
Regular Partici- pants	2500 RMB	2800 RMB	
Student Partici- pants	1500 RMB	1800 RMB	
ISDE Individual Member	2000 RMB	2300 RMB	
ISDE Student	1200 RMB	1500 RMB	

Student participants need to provide valid student certificates. Postdocs, laboratory technicians, etc. do not fall into the student category.

Remarks:

2. Registration and Payment

Participants are requested to log in to the conference website for registration. Those who have previously registered by email can update or complete their registration information on the website. The conference website and registration QR code are as follows:

 The registration package does not include hotel accommodation fees.

https://isde2025.event.evtr.cn/



(Registration QR code)

Payment methods are as follows:

Remittance and Transfer			
Payee Name	Chongqing Yuelai Liangjiang International Hotel Conference Management Co., Ltd.		
Registration Number	91500112592256287Y		
Remittance Account Number	3108 1501 0400 00092		
Name of the Opening Bank	Agricultural Bank of China Co., Ltd. Chongqing Liangjiang Yuanyang Sub-branch		
Bank Identification Code	103653008152		
Payment Instructions:			

① Please be sure to note "ISDE2025 + Name + Affiliation + Mobile Phone Number", and upload the remittance or transfer voucher to the conference website, or send the screenshot of the voucher named "Name + Affiliation" together with the participation reply form (including the report/poster application form) in Attachment 2 to the conference secretariat email isde-2025@swu.edu.cn.

 For group payment, please indicate the names of group members. If separate invoices are required, please pay separately. To reduce waiting time in line, participants are encouraged to pay in advance by online scanning or remittance. If you choose to pay on site, you also need to register online and fill in the invoice information.
The registration fee will only issue electronic ordinary invoices with the name of the affiliation, which will be uniformly issued after the conference.

③ Participants who pay with personal cards are requested to confirm with their affiliation's finance department in advance whether they can be reimbursed. If reimbursement is not possible due to personal reasons, no refund will be made.

3. Refund Matters

Participants who have paid the registration fee but cannot attend the conference for some reason can send the screenshot of the remittance or transfer voucher named "Refund + Name + Affiliation" to the conference secretariat email isde-2025@swu.edu.cn. The refund will be processed 30 working days after the conference.

4. Invoice Collection

For all participating delegates who have already paid the fees and require an invoice, please log in to the conference website, click on "Apply for Invoice" in the personal center, and fill in the accurate invoicing information. Chongqing Yuelai Liangjiang International Hotel Conference Management Co., Ltd. will issue "conference service" invoices (both value-added tax electronic ordinary invoices and value-added tax special invoices) based on the remittance amount and send them to the email addresses filled in by the participating delegates Generally, the invoices will be processed within 15 working days after the registration. However, in case of the monthly financial settlement, the invoice issuing date will be postponed. Therefore, participating delegates who urgently need invoices for reimbursement, under the condition of having confirmed their registration and payment, may contact the conference secretariat at the email address isde-2025@swu.edu.cn before April 15th, 2025 to apply for pre-conference invoice issuance.

5. On-site Registration Date and Venue

Registration Date

April 21, 2025

Registration Venue

The Foyer on the First Floor of Chongqing Yuelai International Convention Center

CONFERENCE ACCOMMODATION

1. Accommodation Information

Accommodation for this conference is self managed and there will be no unified arrangement for shuttle services. The conference representatives will go to the conference venue and accommodation hotel on their own. The accommodation information for the agreement can be found on the conference website. Attendees can choose and book in advance through phone, website, and other means.

2. Transportation Information

 Chongqing Jiangbei International Airport T2: Take Metro Line 10 and transfer to Metro Line Guobo.
(Enter from Gate 6A of Jiangbei Airport T2 Terminal

[towards Wangjiazhuang] → Transfer at Yuelai Metro Station to Metro Line Guobo [towards Lijia] → Exit from Gate 1 of the International Expo Center → Walk 911 meters to reach Chongqing Yuelai International Convention Center)

(2) Chongqing Jiangbei International Airport T3: Take Metro Line 10 and transfer to Metro Line Guobo. (Enter from Gate 4 of Jiangbei Airport T3 Terminal [towards Wangjiazhuang] → Transfer at Yuelai Metro Station to Metro Line Guobo [towards Lijia] → Exit from Gate 1 of the International Expo Center → Walk 91 meters to reach Chongqing Yuelai International Convention Center)

(3) Chongqing North Railway Station (High-Speed Railway Station): Take Metro Line 10 and transfer to Metro Line Guobo.

(Enter from the North Square of Chongqing North Railway Station [towards Wangjiazhuang] → Transfer at Yuelai Metro Station to Metro Line Guobo [towards Lijia] → Exit from Gate 1 of the International Expo Center → Walk 911 meters to reach Chongqing Yuelai International Convention Center)

 (4) Chongqing West Railway Station (High-Speed Railway Station): Take Metro Line 5, transfer to Metro Line 6, and then transfer to Metro Line Guobo.
(Enter the metro at Chongqing West Railway Station and take Metro Line 5 [towards Yuegangbeilu] →

Transfer at Ranjiaba Metro Station to Metro Line 6 [towards Beibei] \rightarrow Transfer at Lijia to Metro Line Guobo \rightarrow Exit from Gate 1 of the International Expo Center \rightarrow Walk 911 meters to reach Chongqing Yuelai International Convention Center)



Map of Chongqing Yuelai International Convention Center Location

TECHNICAL TOUR

The post-conference expedition route set by the 14th International Symposium on Digital Earth is a one-day tour of relevant sites of the Chongqing Jinfo Mountain Karst Ecosystem National Observation and Research Station. The specific itinerary and schedule are as follows.

Serial Number	Route Name	Location	Time	ltinerary Arrangement	Remarks
Route 1	Qingmu- guan - Guang- yang Island	Qingmuguan Field Experimental Base in Beibei District, Chongqing Guangyang Island	08:00 - 17:00	Morning Route: Depart from Yuelai Convention and Exhibition Center at 08:00, arrive at lingenuguan Field Experimental Base in Beibei District at 10:00, and investigate Jiangjia Spring, including open-air Karst caves, underground river outlet monitoring stations, etc. At 11:00, investigate the field stations and large sample plots related to Hutou Village. Return to Guiyuan Hotel of Southwest University in Beibei District of Nuch at 12:00 (or it can be southwest University in Beibei District at 14:00 and hand scenic Area University in Beibei District at 14:00 and head to Guangyang Island. Seaton Area Island Scenic Area	Open to both Chinese and foreign participants
Route 2	Jinfo Mountain - Nanchuan Field Experi- mental Station	Jinfo Mountain in Nanchuan	07:00 - 16:00	Morning Route: Depart from Yuelai Convention and Exhibition Center at 07:00 and arrive at Jinfo Mountain Scenic Area at 10:00. Visit the Chongging Jinfo Mountain Karst Ecosystem Field Scientific Observation and Research Station and related scenic spots in the area from 10:00 to 15:00. Lunch and rest are arranged at restaurants in the scenic area. Return to Yuelai Convention and Exhibition Center at 16:00.	This route is only available to Chines participants.

SPONSORSHIP AND EXHIBITION

Industry enterprises in the field of Digital Earth are warmly invited to sponsor the conference. In addition, a technology exhibition will be held during the conference, welcoming enterprises related to Earth big data, artificial intelligence, Earth observation and navigation technology, network technology, virtual reality, visualization technology, high-performance computing and simulation, integrated Earth information processing technology, spatial data management and analysis software, sensor technology, surveying and mapping technology, and other areas relevant to Digital Earth. For details on sponsorship and exhibition opportunities, please refer to the conference website.

CONTACT US

Conference Secretariat: Lei Fan

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January 23, 2025

School of Geographical Sciences, Southwest University Email: isde-2025@swu.edu.cn Forum/Session Contact: Wenxuan Xu

School of Geographical Sciences, Southwest University Email: wenxuanswu@swu.edu.cn

Sponsorship and Exhibition Contact: Yuchuan Luo School of Geographical Sciences, Southwest University Email: lyc20230703@swu.edu.cn

Accommodation and Reception Contact: Hongli Li Chongqing Yuelai Liangjiang International Hotel & Convention Management Co.,Ltd. Email: henrietta.li@cqylicc.com