



2022 International Forum on Big Data for Sustainable Development Goals

September 6-8, 2022 Beijing, China

Second Announcement

2022 International Forum on Big Data for Sustainable Development Goals

Theme: Digital Technology Empowers Global Sustainable Development

Format: Hybrid (online and onsite with main venue in Beijing, China)

Date and Time: September 6-8, 2022 (UTC+8)

Sponsor: Chinese Academy of Sciences (CAS)

Hosts: International Research Center of Big Data for Sustainable Development Goals

Aerospace Information Research Institute, Chinese Academy of Sciences

International Partners:

- Alliance of International Science Organizations
- Committee on Data of the International Science Council
- International Society for Digital Earth
- Integrated Research on Disaster Risk
- International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO
- Digital Belt and Road Program
- Pan-Eurasian Experiment
- World Geospatial Industry Council

Co-organizers:

- Key Laboratory of Digital Earth Science, CAS
- State Key Laboratory of Remote Sensing Sciences



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- Institute of Geographic Sciences and Natural Resources Research, CAS
- Computer Network Information Center, CAS
- Innovation Academy for Microsatellites of CAS
- Northwest Institute of Eco-Environment and Resources, CAS
- Institute of Botany, CAS
- Institute of Oceanology, CAS
- South China Sea Institute of Oceanology, CAS
- Institute of Zoology, CAS
- Institute of Microbiology, CAS
- Institute of Atmospheric Physics, CAS
- CAST-UN Consultative Committee on Disaster Risk Reduction
- Peking University
- Nanjing University
- Wuhan University
- Sun Yat-sen University
- The University of Hong Kong
- Jiangxi Normal University
- Nanjing Normal University
- China University of Geosciences, Wuhan
- Ocean University of China
- Chinese Academy of Surveying and Mapping
- CAS-TWAS Centre of Excellence on Space Technology for Disaster Mitigation
- Climate Change Research Strategy Center, National Research Council of Thailand
- Institute for Scientific Research of Aerospace Monitoring, Russia
- University of Helsinki, Finland
- University of Zambia, Zambia
- University of South Carolina, USA
- Chouaib Doukkali University, Morocco
- Institute of Methodologies for Environmental Analysis, National Research Council, Italy
- University of Peshawar, Pakistan
- University of Energy and Natural Resources, Ghana



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Organization

Chair:

GUO Huadong, International Research Center of Big Data for Sustainable Development Goals

Scientific Committee:

Chairs: XU Guanhua, Ministry of Science and Technology of the People's Republic of China

Markku KULMALA, University of Helsinki, Finland

Members: (Alphabetical order by last name)

Alessandro ANNONI, Valery BONDUR, CHEN Ge, CHEN Jingming, Deliang CHEN, Hiromichi FUKUI, Gregory GIULIANI, GONG Peng, GONG Ke, GONG Jianya, HE Changchui, Simon HODSON, Natarajan ISHWARAN, Christopher JUSTICE, Gretchen KALONJI, LI Deren, MENG Xiaofeng, Graciela METTERNICHT, Szabolcs MIHÁLY, Zaffar Sadiq MOHAMED-GHOUSE, Stefano NATIVI, Elibio RECH, Barbara RYAN, Monthip SRIRATANA, Igor SAVIN, Jens-Christian SVENNING, WU Guoxiong, WU Yirong, XIA Jun, WU Lan, ZHANG Bing, ZHANG Renhe

Organizing Committee:

Chairs: CHEN Fang, LIAO Xiaohan

Vice-Chairs: YAN Dongmei, LIU Jie, JIA Gensuo, LI Jianhui

Members: (Alphabetical order by last name)

CHEN Hongyu, CHENG Xiao, CHI Xuebin, FAN Xiangtao, GUO Qinghua, HAN Qunli, HE Guojin, JI Liqiang, Amos T. KABO-BAH, Kamal LABBASSI, Rosa LASAPONARA, LI Chaolun, LI Guoqing, LI Xin, LI Xiaosong, LI Xinwu, LIN Hui, LIU Qinhuo, LU Shanlong, LU Xiancai, LU Linlin, LV Guonian, MA Juncai, MA Keping, Massimo MENENTI, MENG Jihua, Martino PESARESI, Atta-ur-RAHMAN, SHI Jiancheng, Bob SU, SUN Zhongchang, WANG Cuizhen, WANG Fan, WANG Lizhe, WANG Xinyuan, WANG Changlin, WU Lan, WU Bingfang, XUE Cunjin, ZHANG Li, ZHU Jiang



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Keynote Speakers

(To be Updated)



GUO Huadong

Director General of International Research Center
of Big Data for Sustainable Development Goals,
Academician, Chinese Academy of Sciences



Irina BOKOVA

Former Director-General of UNESCO,
Co-Chair of the International Science Council's
Global Commission on Science Missions for
Sustainability



Markku KULMALA

Professor of University of Helsinki
Academician, Academy of Finland



Jippe HOOGEVEEN

Land and Water Division Officer, Food and
Agriculture Organization of the United Nations



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Parallel Sessions

(To be Updated)

SDG2 (Zero Hunger)

- Supporting Zero Hunger (SDG2) with Big Earth Data
- Supporting Sustainable Agriculture with Remote Sensing

SDG6 (Clean Water and Sanitation)

- Big Data Assist Integrated Water Resources Management
- Big Earth Data for Protecting Water Environment
- Digital Wetlands for Sustainable Development Goals
- Big Earth Data to Monitor Water Resource Stress and Water Use Efficiency

SDG7 (Affordable and Clean Energy)

- Big Earth Data Helps Achieve SDG7 Clean Energy Goals
- Digital Energy and Sustainable Development

SDG11 (Sustainable Cities and Communities)

- Sustainable Urban Development with Big Earth Data
- Satellite Remote Sensing for SDGs
- Space Technology and Big Data Facilitate the

Sustainability of Cultural Heritage

- Smart City Supported by Big Data
- Earth Observations for Sustainable Urban Environment
- Big Earth Data for Building Beautiful China

SDG13 (Climate Action)

- Accelerating Climate Change Mitigation and Adaptation
- Changing Water Availability and Water Hazards in Current and Future Climates
- Three Poles and SDGs
- Radiation and Energy Balance of the Earth System and its Impacts

SDG14 (Life below Water)

- Ocean Science in Support of the Sustainable Development
- Big Data for the Construction of Marine Ecological Civilization
- Big Data Mining Supports Sustainable Development of Coastal and Marine Areas

SDG15 (Life on Land)

- Big Earth Data in Support of SDG 15 “Life on Land”



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-Big Data in Support of Sustainable Forest Conservation and Management

-Biodiversity Big Data Supporting SDGs

- Sustainable Use of Terrestrial Ecosystems

-Big Data Enable Africa Great Green Wall

SDG17: Partnership for the Goal

-Partnership for an Innovative Sustainable Future: Global SDG Partnership

Digital Technology: Digital Transformation Changing the World

- Digital Earth Theory, Technology and Application

- A New Paradigm for SDGs Research Driven by Big Earth Data

-LiDAR Remote Sensing Technology for Sustainable Development Goals

-Digital Governance and Decision Support for SDG

-SDG Big Data Platform Technology and Application

Youth Innovation

-Young Scientist Forum - Youth Innovation for our Shared Goal

Digital Belt and Road

-Digital Technology for Agricultural Monitoring and Food Security

-High-definition Earth Observation for Heritage

Conservation

-Digital Technology for Urban Sustainability

- Climate Action and Sustainable Development in High Mountain Asia and Arctic Region/PEEX SDG13 Side Event

-Data Sharing for Sustainable Development Goals

- Digital Technology in Support of Water and Land Management for Sustainable Development

-Digital Technology for Sustainable Development and Management of Coast and Sea

-Harness Technologies, Data and Knowledge for Disaster Risk Reduction

-Digital Technology for Environmental Change Assessment and Sustainable Development



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Attendance and Registration

All participants (including Speakers, Regular Participants and Student Participants) need to register. Opening and Closing events are open access to all registered participants for free. Academic events (including plenary and parallel sessions, etc.) will be available exclusively for registered participants who paid registration fee.

For regular participant, the registration fee is 220 USD. For student participant, the registration fee is 120 USD. Kindly visit the website to register the forum.

We welcome experts from governments, research institutes, universities, United Nations agencies, international organizations, and industries in the field of big data for sustainable development worldwide to attend the forum. For more details, please visit the forum website: <https://fbas2022.scimeeting.cn/en/web>.



Contact Us:

Secretariat of 2022 International Forum on Big Data for Sustainable Development Goals

Email: fbas@cbas.ac.cn

Tel.: +86-10-82178356