

International Symposium on Open Science Clouds (ISOSC) 2023

4-6 September 2023

Beijing, China

CONFERENCE HANDBOOK



Sponsors

Chinese Academy of Sciences (CAS)

China Association for Science and Technology (CAST)

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Committee on Data of the International Science Council (CODATA)

Chinese National Committee for CODATA

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WhatsApp Community



<https://chat.whatsapp.com/CMuYZxUZx0B6wmYSPmc4Nw>

WeChat Community



该二维码7天内(9月6日前)有效,重新进入将更新

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Venue

Main Venue: 601 Room

Primary Zoom Link:

<https://us02web.zoom.us/j/84433052077?pwd=VUYrN3BLSzhvdnZINTZmNk9mZGN6dz09>

Meeting ID: 844 3305 2077

Passcode: 361371

Parallel Sessions: 601 Room/501 Room

601 Zoom Link:

<https://us02web.zoom.us/j/84433052077?pwd=VUYrN3BLSzhvdnZINTZmNk9mZGN6dz09>

Meeting ID: 844 3305 2077

Passcode: 361371

501 Zoom Link:

<https://zoom.us/j/6742043003?pwd=bEkzNHo2bzBXR2srVU5RT0J5RlZHZz09>

Meeting ID: 674 204 3003

Passcode: 877420

GOSC Working Meeting: 1501 Room



501 Room



601 Room



1501 Room

Network

Option 1: Eduroam

Option 2: WIFI SSID: **Cnic-Codata**, Password: **cstnet@2023**

Agenda

3 September 2023

16:00-18:00 Registration, 5th Floor, CAS Informatization Plaza

18:30-21:00 Reception, 6th Floor, CAS Informatization Plaza

4 September 2023 High-level Open Science Summit, Room 601

8:30-9:00 Registration

9:00-10:00 Opening Remarks

10:00-10:30 Break & Group Photo

10:30-12:15

Session 1: Trends of Worldwide Open Science, Room 601

Co-chairs: Prof. Jianhui LI (Vice President of CODATA and Director of CSTCloud Department, CNIC, CAS) and Dr. Simon Hodson (Executive Director of CODATA)

10:30-10:50 Implementing the UNESCO Recommendation of Open Science from the Regional Perspective (Dr. Ai Sugiura, Programme Specialist for Natural Sciences UNESCO Multi-sectorial Regional Office for East Asia, Online)

10:50-11:10 Open Science for SDGs (Prof. Huadong Guo, CBAS)

11:10-11:30 Open Science Cloud Development in Europe (Prof. Luděk Matyska, CERIT-SC)

11:30-11:50 Embracing Open Science in the Deep-time Digital Earth (Prof. Zihui Zhang, DDE)

11:50-12:10 Open Science in the International Science Council (Prof. Motoko Kotani, ISC, Online)

12:10-12:30 Global Open Science Cloud Initiative (Prof. Jianhui LI, CODATA and CNIC, CAS)

12:30-13:30 Lunch & Break

13:30-16:00

Session 2: Review of Global Open Science Infrastructures, Room 601

Session Co-chairs: Prof. HAN Qunli (Executive Director of IRDR IPO), Joseph Muliaro Wafula (Chair of CODATA Kenya)

13:30-13:45 Challenges and Opportunities of Implementing the UNESCO Recommendation of Open Science (Mr. Ezra Clark, Chief of Section, Science Technology Innovation Policy, UNESCO, Online)

13:45-14:00 ISC Role in Promoting Open Science (Dr. Salvatore Aricò, ISC, Online)

14:00-14:15 Nation Open Data Platform in China (Prof. Hui Zhang, Beihang University)

14:15-14:30 Open Science Platform in Malaysia (Prof. Noorsaadah Abd. Rahman, MOSP)

14:30-14:45 Open Science Platform in Japan (Prof. YAMAJI Kazutsuna, NII)
14:45-15:00 Open Science in Mongolia (Ms. Otgonsuud Badrakh, Mongolian Academy of Sciences, Online)
15:00-15:15 Open Science Platform in Korea (Prof. Jungho Ho-Um, KISTI, Online)
15:15-15:30 Australian Research Data Commons (Dr. Rosie Hicks, ARDC, Online)
15:30-16:00 Group Discussion
16:00-16:15 Break

16:15-18:00

Session 2: Review of Global Open Science Infrastructures, Room 601

Session Co-chairs: Prof. Gang Chen (Professor, IHEP, CAS), Dr. Milan Ojsteršek (Professor, University of Maribor in Slovenia)

16:15-16:30 Open Science Platform in Slovenia (Dr. Milan Ojsteršek, UM)
16:30-16:45 African Open Science Cloud (Dr. Tshiamo Motshegwa, AOSP)
16:45-17:00 China Science and Technology Cloud (Dr. Lili Zhang, CNIC, CAS)
17:00-17:15 Open Science in Kenya (Dr. Joseph Muliaro Wafula, JKUAT)
17:15-17:30 Open Science in Latin America (Federico Cetrangolo, La Referencia, Online)
17:30-17:45 Synthesis and Analysis: How the Global Open Research Commons Interest and Working Groups are Characterising Open Research Infrastructures (Dr. Andrew Treloar, RDA GORC, Online)
17:45-18:15 Group Discussion
18:30-20:30 Banquet

5 September 2023 Parallel Sessions, Room 601/501

9:00-12:30

Parallel session 3a: Open Science Cloud Policy and Governance, Room 601

Session Co-chairs: Mr. Francis P. CRAWLEY (Chair of CODATA IDPC), Dr. Lili ZHANG (Executive Director of GOSC IPO)

9:00-9:15 Framing OSC policy and governance practices in terms of science and societies expectations (Mr. Francis P. Crawley, CODATA, IDPC)
9:15-9:30 Challenges and solutions found in implementing Open Science policies in the Malaysian Open Science Platform (Prof. Noorsaadah Abd. Rahman, MOSP)
9:30-9:45 Fostering Open Science: CNSA - A Repository for Biological Data Sharing and Collaboration (Dr. Weiwen Wang, CNGB)
9:45-10:00 Open Science Policies, Governance, and Recommendations for a Global Open Research Commons (Dr. Charles J Woodford, GORC, Online)
10:00-10:15 Q&A
10:15-10:30 Break
10:30-10:45 Implementing open science policy in interdisciplinary research and multilateral science cooperation (Ms. Mercury Fox, CODATA, CEDS)
10:45-11:00 Establishing ethics and open science policies and governance structures for a national funding agency (Dr. Abdallah Adlan Adlan, Saudi National Institute of Health, Riyadh, Saudi Arabia)

11:00-11:15 Ethical governance of open science (Prof. Elif Ekmekci, CODATA, IDPC, TOBB ETU, Ankara, Turkey)

11:15-11:30 Open Science policies and governance in the European Union (Prof. Lidia Borrell-Damian, Science Europe, Online)

11:30-11:40 Implementing the European Code of Conduct for Responsible Open Science Practices (Prof. Antonio Loprieno, ALLEA, Online)

11:40-12:30 Group Discussion

12:30-13:30 Lunch & Break

Parallel session 3b: Open Science Cloud Technologies, Room 501

Session Co-chairs: Prof. Jianhui LI (Vice President of CODATA), Dr. Yin Chen (Senior Community Support Officer, EGI)

9:00-9:15 An International Technical Framework for a Global Open Science Cloud (Dr. Yuepeng Li, Dr. Haiming Zhang, CNIC)

9:15-9:30 Data and Technical Interoperability in the African Open Science Platform (Dr. Tshiamo Motshegwa, AOSP)

9:30-9:45 BigFlow: The End-to-End Workflow Framework for Cross-Center Scientific Data Analysis (Dr. Huajin Wang, CNIC, CAS)

9:45-10:00 Open Infrastructure and Technologies in the ARDC Nectar Research Cloud (Dr. Paul Coddington, ARDC, Online)

10:00-10:15 Blockchain Supporting Open Science (Prof. Bin Hu, ICT, CAS)

10:15-10:30 Break

10:30-10:45 AI supporting open science towards SDGs with EO (Prof. Yuchu Qin, AIR, CAS)

10:45-11:00 Authentication and Authorization Infrastructure for Open Science in China - CSTCloud (Mr. YiHua Zheng, Mr. Ziming Liu, CNIC, CAS)

11:00-11:15 Authentication and Authorization Infrastructure for Open Science in Europe - EOSC (Dr. Nicolas Liampotis, GRNET, Online)

11:15-12:00 Group Discussion

12:30-13:30 Lunch & Break

13:30-17:30

Parallel Session 4a: Open Science Cloud Stories to Tackle Humanity Challenges, Room 601

Session Co-Chairs: Prof. Juanle Wang (Professor, IGSNRR, CAS) and Dr. Lauren Maxwell (Heidelberg University)

13:30-13:45 Open Science and SDG-13 Assessment over Southeast Asia (Prof. Monthip Sriratana, NRCT)

13:45-14:00 Open Science in Integrated Research on Disaster Risk (Prof. Qunli Han, IRDR)

14:00-14:15 Disaster Risk Reduction Knowledge Services (Prof. Juanle Wang, IGSNRR, CAS)

14:15-14:30 Sensitive Data Federation Analysis Model in Population Health (Dr. Lauren Maxwell, Heidelberg University)

14:30-14:45 Open Science in International Union of Biological Sciences (Prof. Yiming Bao, IUBS)

14:45-15:00 Open Science for Disaster Mitigation (Prof. Gretchen Kalonji, Sichuan University)

15:00-15:15 Regional Open Science Cooperation for Managing Risk in ESCAP/WMO (Prof. Jinping Liu, ESCAP/WMO)

15:15-15:30 Open Science in Global Biodiversity Information Facility, GBIF (Dr. Joe Miller, GBIF, Online)

15:30-15:45 Targeted Data Publishing to Digitise and Increase Openness, and Accessibility of Critically Important Public Health Data (Dr. S.C. Edmunds, GigaScience)

15:45-16:15 Group Discussion

16:15-16:30 Break

Parallel Session 4b: Open Science Cloud Stories for Exploratory Discovery, Room 501

Session Chair: Prof. Luděk Matyska (Executive Director of CERIT-SC), Prof. Juncai MA (Professor, IM, CAS)

13:30-13:45 Open science Cloud Stories in JRC-ISPRA (Dr. MELCHIORRI Michele, Dr. EHRlich Daniele, Dr. KEMPER Thomas, JRC-ISPRA, Online)

13:45-14:00 Open Science in International Union of Theoretical and Applied Mechanics (Dr. Francisco Chinesta, IUTAM, Online)

14:00-14:15 Incoherent Scatter Radar Data Fusion and Computation (Dr. Ingemar Haagstrom, EISCAT and Ms. Junyi Wang, IGG, CAS)

14:15-14:30 Open Data Infrastructures in Astronomy (Prof. Chenzhou Cui, NAOC CAS)

14:30-14:45 Open Data in Material Science (Prof. Shuichi IWATA, USTB, University of Tokyo)

14:45-15:00 Open Science in Deep-time Digital Earth (Dr. Zhenhong Du, Dr. Sensen Wu, Zhejiang University)

15:00-15:15 Open Science in World Federation for Culture Collections (Prof. Juncai Ma, WFCC)

15:15-15:30 Radio Astronomy Exploration in the Era of Intelligent Computing (Dr. Huaxi Chen, Zhejiang Lab, chenhuaxi@zhejianglab.com)

15:30-15:45 Open Reproducible Raw Diffraction Data for Access in Pandemics – (Prof. John R Helliwell, University of Manchester, Prof. Genji Kurisu, Osaka University, Japan, Online)

15:45-16:15 Group Discussion

16:15-16:30 Break

16:30-17:15 Panel Discussion

Panel chair: Dr. Simon Hodson

Panelists: Barend Mons, Ludek Matyska, Noorsaadah Abd. Rahman, Tshiamo Motshegwa, IWATA Shuichi, Lili Zhang

Digital Version, Updated by 1, September

Potential topics: Co-building mutual trust between different research clouds/open science infrastructures for future science

17:15-17:45 Closing Remarks

Day 3 GOSC Initiative Working Meetings (internal, invitation only, Room 1501)