2nd GOSC Workshop 2021

Date: 22nd October, Friday
Time:

- 11:00-14:15 PM Central European Summer Time (CEST)
- Check the right time for your timezone

Webpage: https://indico.egi.eu/event/5464/sessions/4772/#20211022
Connection: go.egi.eu/egi2021gosc (Presscode: **202110**)

Description

Together with EGI Foundation, the Computer Network Information Center (CNIC) of the Chinese Academy of Science, and CODATA, we welcome you to join the Second Global Open Science Cloud (GOSC) workshop, aiming to give an overview of GOSC activities and discuss the potential collaboration through GOSC. We invited the well-developed CODATA GOSC Working Groups and Case Studies Groups. It will be the first time for them getting together to share group discussions and activities. We also invite global advanced digital infrastructures practices Open Science including, Open Science Grid Community (OSGC) in US, Australian Research Data Common (ARDC), Chinese Science and Technology Cloud (CSTCloud), Malaysia Open Science Platform (MOSP), African Open Science Platform (AOSP), and South African Open Science Cloud (SAOSC). This will be an extension of European Open Science Cloud (EOSC) discussion during the conference, and will be a unique opportunity to review the global open science infrastructure development, share experiences, and identify concrete collaborations.

The workshop will have 2 x 90min sessions:
1. GOSC activities and development
2. Global collaborations through GOSC

We welcome all to join, together we can build this new GOSC community. In particular, we invite attendance by:

- Research community and research infrastructure representatives with needs and experience supporting global collaborations;
- Digital infrastructure representatives open to participating in a global resource federation;
- CODATA GOSC Working Group Members
- Experts on e-infrastructure and technology developing and operating solutions for federated access to data, computing, software and applications

Agenda:
Session One: Overview of GOSC Activities *(Chair: Jianhui Li, Director, CNIC, China)*
This session will review the GOSC objectives and report on existing activities in CODATA GOSC Working Groups and selected Case Study Groups.

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5' **Opening Address**, *by Prof Jianhui Li, Director, CNIC, China*
15' **An overview of GOSC for the eScience Community**, *by Dr Simon Hodson, Executive Director, CODATA, EU*
8' **GOSC Policy**, *by Dr Lili Zhang, Research Scientist, CNIC, China*
8' **GOSC Infrastructure**, *by Dr Happy S., Centro Manager for the South African cyberinfrastructure, CSIR, South Africa*
8' **GOSC Data Interoperability**, *by Dr Milan Ojsteršek, Head of Laboratory, University of Maribor, Slovenia*
8' **Radar Case Study**, *by Dr Ingemar Häggström, Head of operations, EISCAT, EU*
8' Sustainable Development Goal-13 Case Study, *by Dr Lili Zhang, Research Scientist, CNIC, China*
30' Discussions
Break 15'
Session Two: Collaboration through GOSC *(Chair: Mark D. EGI.eu)*
This session invites global digital Infrastructures and Cloud resources in different countries, regions, and continents. It is a unique opportunity to review the global open science infrastructure landscape, share experiences, and identify concrete collaborations.

- 12:45-14:15 PM Central European Summer Time
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5' **Opening Address**, *by Dr Mark D., Senior Advisor, EGI.eu*
15' **ARDC Nectar Research Cloud & GOSC- embedding national digital infrastructure in the global research ecosystem**, *by Dr Carmel Walsh, Director of Eresearch Infrastructure & Services, ARDC, Australia*
10' **A pilot for GOSC testbed -- federation Chinese CSTCloud with EGI**, *by Dr Haiming Zhang & Dr Zuliang Guo, Research Scientists, CNIC, China*
10' **Malaysia Open Science Platform and community requirements for GOSC**, *by Dr Chee Sun Liu, Senior Lecture, University of Malaya*
15' **African Open Science Platform (AOSP) and South African Open Science Cloud (SAOSC)**, *by Dr Anwar V., Director, DIRISA, South Africa*
15' **15-year's Open Science experiences in OSG**, *by Prof Miron Livny, Professor, University of Wisconsin-Madison, US*
20' Discussions

Speakers:

	**Dr Simon Hodson** has been Executive Director of CODATA since August 2013. He has contributed to influential reports on Current Best Practice for Research Data Management Policies and to the Science International Accord on Open Data in a Big Data World. He chaired the European Commission's Expert Group on FAIR Data which produced the report Turning FAIR into Reality. He is currently vice-chair of the UNESCO Open Science Advisory Committee, tasked with drafting the UNESCO Recommendation on Open Science, which is intended for adoption in November 2021. As a significant part of his CODATA role, Simon is tasked with preparing a major ISC and CODATA Decadal Programme on 'Making Data Work for Cross-Domain Grand Challenges', which will improve the coordination of specifications for data integration and interoperability for interdisciplinary research.
	**Prof Jianhui Li** is the director of Science and Technology Cloud Department at the Computer Network information Center (CNIC) of the Chinese Academy of Sciences (CAS), and a Professor at the University of Chinese Academy of Sciences (UCAS). He obtained PhD on computer science from the Institute of Computing Technology of CAS in 2007. In 2016, He founded "China Scientific data", which is the first open access data journal for scientific data publication in China. Currently, he is leading the design, development and operation of CSTCloud (China Science and Technology Cloud), which is the national level open science platform. He also serves as the CODATA vice president.
	**Prof Miron Livny** is a senior researcher and professor specializing in distributed computing at the University of Wisconsin–Madison. Livny has been a professor of computer science at Wisconsin since 1983, where he leads the HTCondor high-throughput computing system project. Miron is also a principal investigator and currently the facility coordinator for the Open Science Grid project, Director of the Center for High Throughput computing, CTO of Wisconsin Institutes for Discovery, and Director of Core Computational Technology of the Morgridge Institute for Research. In 2006, along with Raghu Ramakrishnan, Professor Livny won the SIGMOD Test of Time award for his seminal work on distributed databases.

	**Dr Carmel Walsh** is the Director, eResearch Infrastructure & Services at the Australian Research Data Commons (ARDC). The ARDC provides Australian researchers with competitive advantage through data. It does this by enabling the Australian research community and industry access to nationally significant, data intensive digital research infrastructure, platforms, skills and collections of high quality data. Carmel leads on storage and compute with a focus on the national research cloud compute service for Australian researchers, the ARDC Nectar Research Cloud, and national Data Retention project.
	**Dr Happy Sithole** is the Centre Manager for the South African cyberinfrastructure (CI) system, NICIS since 2019. He is responsible for the coordination of this system so that it meets the demands of the South African National System of Innovation, in support of the Department of Science and Innovation. This involves the three main entities of the CI, Centre for High-Performance Computing (CHPC), South African National Research Network (SANReN), Data Intensive Initiative of South Africa (DIRISA). Prior to becoming the CI centre manager, Sithole spent 12 years as the director of the Centre for High Performance Computing. He completed his PhD in materials science at the University of Limpopo.
	**Dr Ingemar Häggström** is the Head of operations, EISCAT Scientific Association. EISCAT is running the only incoherent scatter radars in Europe for atmospheric and geospace research. A new system, the imaging radar EISCAT_3D, and are now being built. He presents EISCAT and EISCAT_3D in the global scale of geospace research, and how scientists can interact with and access the resources of the infrastructure. This involves interchanges with similar radar facilities around the world and a system for setting up a common (meta)data federation, federated processing and data movements.
	**Dr Anwar Vahed** is the Director for the Data Intensive Research Initiative of South Africa (DIRISA). DIRISA, together with the Centre for High Performance Computing (CHPC) and the South African National Research Network (SANReN), forms the technological component of the National Integrated Cyberinfrastucture System (NICIS) of South Africa. Anwar has developed the National Strategic Framework for Big Data and led research in Big Data analytics for earth observation at the South African Council for Scientific and Industrial Research (CSIR). He serves on several international forums in the data sciences such as the Research Data Alliance (RDA), US National Institute of Standards and Technology (NIST) and CODATA.

	**Dr Milan Ojsteršek** is the Head of Laboratory for heterogenous computer systems, FERI, University of Maribor. He received the PhD in computer science from the University of Maribor in 1994. Milan leads the Laboratory for heterogenous systems at the Faculty of Electrical Engineering and Computer Science on University of Maribor. His research and project work focuses on heterogeneous computing systems, digital libraries, natural language processing, web application development, web technologies, knowledge management, semantic web and service-oriented architecture.
	**Dr Lili Zhang** is a research scientist at the Computer Network Information Center of Chinese Academy of Sciences and also a member of CODATA International Data Policy Committee. Her research focuses on open data and open science policy, practice; information economics. Lili is the co-chair of CODATA GOSC Policy Working Group, SDG-14 Case Study Working Group. She will present the work plan and activities happened in these working groups.
	**Dr CheeSun Liew** is a senior Lecturer at the Department of Computer System & Technology, Faculty of Computer Science & Information Technology, University of Malaya. He received a PhD in Computer Science from Edinburgh University. His research focuses on data-intensive computing, Grid, High Performance Computing etc. CheeSun is involved in Malaysia Open Science Platform (MOSP) and will introduce the development of Open Science in Malaysia.