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Type: **Session**

## Building an Open Data Collaborative Network in Asia-Oceania

*Monday 13 October 2025 14:30 (1h 30m)*

### Session Title:

Building an Open Data Collaborative Network in Asia-Oceania

### Session Contents:

One of the primary objectives in the current Open Science movement is to initiate new research fields and technologies leveraging the vast amounts of data now being generated across numerous scientific domains. Adherence to the FAIR Principles for data has been recognized as a standard for data-oriented activities, driving the development of Open Data infrastructures. These include enhanced and integrated metadata catalogues, persistent identifiers (PIDs), metadata standards for research data management, and certification of data repositories to ensure the long-term stewardship and management of quality-assessed data. Additionally, many academic institutions are adopting persistent identifiers for people, places, and other entities as a best practice for preserving and providing access to data generated by their research activities.

Despite these advancements, significant efforts are still required to address the challenges surrounding scientific research data, particularly regarding its sharing and reuse. While the importance of multidisciplinary data integration is widely acknowledged, data reuse by scientists—whether within their own discipline or across others—remains challenging in terms of the FAIR Principles. Issues such as difficulties in discovering and accessing data or insufficient metadata to enable seamless analysis are common. Furthermore, when sharing research data with the public domain, including policymakers, additional contextual information is often required to ensure proper understanding.

To address these challenges, it is crucial to foster collaboration among researchers and scientists across various disciplines and countries. Establishing systems that facilitate interaction between research data users and providers is key to improving data sharing, reuse, and interdisciplinary integration.

Building on Open Data and Open Science principles, this session invites “**Lightning Talks**” on topics related to data-oriented activities in Asia and Oceania within the context of a globally developing society. For example, data-sharing platforms have been developed as a result of discussions held during previous WDS and CODATA conferences. An interactive discussion session will also be convened following the set of talks.

The purpose of this session is to build consensus among stakeholders on various aspects of research data management, aligning with open research policies and the FAIR principles. The session will explore new approaches for promoting interdisciplinary and collaborative research, advance data management solutions, and facilitate efficient data reuse across diverse scientific disciplines. These efforts will be supported by evidence and feedback from communities across Asia and Oceania.

This session is related to the following **SciDataCon 2025 conference themes**.

- Rigorous, responsible, and reproducible science in the era of FAIR data and AI
- Open research through Interconnected, Interoperable, and Interdisciplinary Data
- Empowering the global data community for impact, equity, and inclusion
- Infrastructures to Support Data-Intensive Research - Local to Global

**Lightning Talks:** (each 5 min.) (Presenters were fixed)

- Johnathan Kool (Australian Antarctic Division), “International Collaborative Data Management –Challenges and Opportunities”
- Noorsaadah Abd Rahman (Malaysian Open Science Alliance), “Malaysian Open Science Platform”
- Juanle Wang (China Academy of Science), “Challenges of Open science data governance and China’s practice”

- Pei-shan Liao (Research Center for Humanities and Social Sciences, Academia Sinica), “Sharing Social Science Data: The Importance and Challenges”
- Sa-kwang Song (Korea Institute of Science and Technology Information), “Research Data Management Platform at KISTI: DataON and Beyond”
- Madiareni Sulaiman (University College London), “Navigating the Research Data Management Compliance Maze as an Indonesian Early-Career Researcher: Unravelling Policies Across Borders”
- Chandra Shekhar Roy (Bangladesh Bureau of Statistics), “Open Government Data (OGD) at Bangladesh NSO”
- Chantelle Verhey (World Data System International Technology Office) , “Polar data Discovery and Mobilization Pathways”
- Masaki Kanao (Research Organization of Information and Systems), “International Symposium on Data Science (DSWS); Asia & Oceania Collaboration”

(Presenters were fixed)

**Structured Discussion:** (30 minutes)

Following the Lightning Talks (5 minutes each) by presenters from individual centers and organizations across Asia and Oceania, the session conveners will facilitate a **Structured Discussion** (30 minutes) involving both the speakers and the audience. The main topics for the panel discussion include:

- What types of scientific data can be shared under the FAIR Principles using existing platforms within the Asia and Oceania community?
- How can advanced technologies for creating and sharing data, developed by individual centers and organizations, be effectively shared across the region?
- What policy arrangements are needed to facilitate data sharing on a regional basis, and who can enact them?
- What are the practical challenges in increasing data sharing within the Asia and Oceania community, and what realistic solutions can be proposed in alignment with global strategies and regulations?

The lightning talks and structured discussion will provide valuable insights, sparking discussion on how to establish international collaborative networks related to open data in the Asia and Oceania region, and the development of concrete international cooperative frameworks. The primary goal of the session is to build consensus among stakeholders on various aspects of research data management, ensuring alignment with open research policies and the FAIR principles in the region.

**Conveners:**

- Masaki Kanao (Research Organization of Information and Systems)
- Johnathan Kool (Australian Antarctic Division)
- Juanle Wang (China Academy of Science)

**Suggested session types**

- Lightning Talks and Structured Discussion
- (Lightning talks are through invitation only)

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**Track Classification:** SciDataCon2025 Specific Themes: Empowering the global data community for impact, equity, and inclusion