

[EE] Evening Poster | M (Multidisciplinary and Interdisciplinary) | M-GI General Geosciences, Information Geosciences & Simulations

[M-GI23]Open Science as a New Paradigm: Research Data Sharing, Infrastructure, Scientific Communications, and Beyond

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Open Science is growing as a new research paradigm to accelerate scientific innovation. Deployed by ICSU-WDS (2008), G8 Open Data Charter (2013), Research Data Alliance (2013), OECD Global Science Forum's research projects (2016), and G7 Science Ministers' Communique (2017), it commonly refers to the top-down policies to make results of publicly-funded research freely available and accessible. On the other hand, this term also refers to the participatory bottom-up approaches such as citizen science, crowdfunding, and transdisciplinary research (Kitamoto 2016). It is noted that both approaches envision the transformation of research process to more findable, accessible, interoperable, and inclusive one.

As a follow-up of the Great Debate "Role of open data and open science in Geoscience", this session reviews the current broad spectrum of Open Science, by welcoming a wide range of oral presentations and posters covering (but not limited to) open research data, open source licenses, data papers and journals, data repository, data sharing infrastructures and platforms, citizen science, crowdsourcing, crowdfunding, transdisciplinary research, capacity building, international networking, and deployment in earth and planetary sciences.

[MGI23-P01]Activities to facilitate the research-oriented use of spatial data and GIS at CSIS, The University of Tokyo

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This presentation introduces the activities of Center for Spatial Information Science (CSIS), a national Joint Usage / Research Center at The University of Tokyo, Japan, to enhance the use of spatial data and geographical information system (GIS) for academic research purposes. We offer an online system called Joint Research Assist System (JoRAS), which enables users to apply for a new project to access various spatial data, and administrators to review and accept the project. This scheme supports academic researchers to obtain detailed spatial data, which are hardly be published as open data. Also, the spatial database of JoRAS accepts original spatial data, generated by individual researchers, to be registered with an accessibility limited to research purposes. We also provide opportunities for hands-on sessions regarding the use of the spatial data and GIS, where academic researchers from various disciplines are interested in using GIS and spatial data.