

International Trends on Open Science Policies and Research Infrastructures

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JpGU has been facilitating sessions related to data and information topics in past meetings, convened by groups/communities with interdisciplinary interests including scientific data centers, data systems, data sciences, and social network services. New dimensions and cross-disciplinary subjects are expected for further contribution to advancing the earth and planetary sciences. Open Research Data and Open Science are increasingly becoming hot topics, in parallel to establishment of ICSU-WDS (2008), G8 Open Data Charter (2013), deployment of RDA (2013), and so forth. RDA is especially concerned with common e-infrastructure. In this digital era, if Open Science practices become daily reality, e-infrastructure or common digital environment will be necessary platform for many research activities. E-infrastructure is becoming a hot topics in G8 GSO (Group of G8 Country Senior Officials) meeting, OECD Open Global Science Forum, Belmont Forum (an international group of funding agencies/funders for global environmental issues). Future Earth, an international new initiative for global environment and the planet earth led by International Council for Science, created a Data Task Force for discussing data sharing and open data/science issues. European Commission has set up High Level Expert Group of European Open Science Cloud (HLEG-EOSC). HLEG-EOSC give the advice to an EC Commissioner (ministerial person) for setting up the EOSC initiative and new call for proposal. EOSC is intended to the infrastructure of global open science, which will contribute to European data sharing and communications on digital infrastructure. Promotion and acceleration of European digital economy, under the EC's vision of Single Digital Market, will be supported by activities of Open Science and Open Innovation.

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