

Implementation of open science and data policies at American Geophysical Union

*Kiyoshi Suyehiro¹, Brooks Hanson²

1. Japan Agency for Marine-Earth Science and Technology, 2. American Geophysical Union

The American Geophysical Union (AGU) is helping lead a number of initiatives related to “open science” and “open data” and is partnering with other societies in several of these, including JpGU. These policies are broadly conceived as to serve the science community better and consequently the general public worldwide. Current AGU members are around 60,000. Overall 15% of these are from the Asia-Pacific region and Japan is second to the U.S. in membership. JpGU and its member societies have had long inter-relationship with AGU, for example the past Western Pacific Geophysics Meetings and the recent 2017 joint JpGU-AGU meeting. An additional joint meeting is being planned for 2020 and a variety of collaborative activities for AGU’s Centennial in 2019. Thus, the two unions are overlapping in members and are coordinating to better serve the broad geoscience community, including in expanding outreach.

In 2016, AGU reaffirmed its statement originally made in 2011 on the support of free and open communication of scientific findings. In publishing, AGU has been expanding its open-access journals and hybrid open access has also been increasing. AGU’s newest journal, *GeoHealth*, is open access, and AGU’s fastest growing journals are open-access: *JAMES*, *Earth’s Future*, and *Earth and Space Science*. AGU will be launching another open-access title later this year. In meetings, AGU has been expanding streaming of talks and sessions to allow remote participation. Since 2015, remote sessions have been “attended” by researchers on every continent.

A core focus over the past several years has been to enable open data in the Earth and space sciences. This effort is in line with the position statement first adopted in 1997 Earth and space science data are a world heritage and should be credited, preserved, open, and accessible as an integral responsibility of scientists, data stewards, and sponsoring institutions. AGU has been working with the science community to realize these core values through various efforts, such as the COPDESS (Coalition on Publishing Data in the Earth and Space Sciences) and a current effort to implement FAIR data standards and practices (Findable, Accessible, Interoperable, and Reusable).

We will report on the current state and future outlook of these efforts.

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