

# Enabling FAIR Data in the Earth, Space, and Environmental Sciences: Encouraging all Researchers to Document, Share, and Cite Scientific Data

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## 1. American Geophysical Union

AGU's data position statement, recently updated, affirms that **“Earth and space science data are a world heritage, and an essential part of the science ecosystem. All players in the science ecosystem—researchers, repositories, publishers, funders, institutions, etc.—should work to ensure that relevant scientific evidence is processed, shared, and used ethically, and is available, preserved, documented, and fairly credited.”**

([https://www.agu.org/Share-and-Advocate/Share/Polymakers/Position-Statements/Position\\_Data](https://www.agu.org/Share-and-Advocate/Share/Polymakers/Position-Statements/Position_Data))

The statement includes key objectives for the Geosciences:

Champion Open and Transparent Data Enable a Robust Science Ecosystem Create Effective Culture Change

Our research ecosystem is diverse and interconnected involving researchers, publishers, editors, repositories, institutions, librarians, societies, funders and more. The effort to evolve practices for open and FAIR data sharing in support of Open Science requires all participants.

At the American Geophysical Union we are convening and encouraging adoption of updated data practices across the ecosystem to support open and FAIR data and the resources needed by researchers to comply with this updated guidance. The Enabling FAIR Data Commitment Statement gives a path specific to each stakeholder to support progress.

(<https://copdess.org/enabling-fair-data-project/commitment-statement-in-the-earth-space-and-environmental-sciences/>)

With JpGU, EGU, and AOGS as partners in this effort, we continue to steadily make progress toward making open and FAIR data a common practice in the Geosciences. We will share the current progress and provide recommendations for how participants can encourage incremental actions in their own organizations.

Keywords: Open Science, Open Data, FAIR Data