

Enabling FAIR Data Initiative



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An international coalition of scholarly publishers, scientific repositories, infrastructure, and government and private funders have come together in an common effort with the project name of [Enabling FAIR Data](#). Their goal being to make data open and [FAIR](#) in the Earth, space and environmental sciences, where FAIR stands for Findable, Accessible, Interoperable and Reusable.

The project is funded by the Laura and John Arnold Foundation with objectives that primarily focus on two stakeholder groups:

- Scholarly publishers: fostering the adoption of a common policy that data is no longer archived in the supplementary information of a manuscript. Instead, all data is to be deposited, documented, and

preserved in a FAIR-aligned repository, and cited in the manuscript with an appropriate data availability statement.

As of this writing there are 60 organizations and individual signatories for the [Commitment Statement](#) with earnest effort to meet the criteria in the next year. We invite you and your communities to also become signatories.

- Scientific repositories: encouraging support for authors and researchers by providing services to ensure data and software, which underpin the published research, are well documented, identified with global persistent identifiers (PIDs), and have landing pages that support both machine and human readable data citation information. The coalition, convened by

the American Geophysical Union (AGU), recently completed its Second Stakeholder Meeting in Washington DC, USA on 12-13 September 2018, marking the launch of a [Commitment Statement](#) where stakeholders are encouraged to become signatories and put into place the policy and process needed to meet criteria for their respective communities.

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To support stakeholders seeking a suitable data repository, an important new tool the [Repository Finder](#) is now available. Many researchers do not yet have a relationship



with a repository that can provide them with the necessary support services. There are over 2000 repositories internationally with different criteria for the types of data they accept, and where researchers are eligible to deposit their data. Repositories that provide support to researchers helping them to document their data to make it more understandable by others are preferred along with meeting the criteria defined in the [Commitment Statement](#).

[DataCite](#), the tool developer, using [re3data.org](#), a registry of repositories as the main content recently published a [blog](#) by Robin Dasler where you can learn more. Repositories that are open to researchers, and support

globally registered Persistent Identifiers are listed.



Additionally, those repositories displayed with a seal indicates a third-party certification of capabilities. CoreTrustSeal is one of these certifications and expected to be increasingly adopted within the Earth, space, and environmental science repository community over the next few years. Having a [CoreTrustSeal](#) certification is not required to be FAIR-

aligned but does indicate, with verification by a review team organized through World Data System, that the repository meets the majority of the Enabling Fair Data project repository criteria and more.

The Enabling FAIR Data coalition has developed a list of [Frequently Asked Questions](#) (FAQs) and answers that it will keep updated to help the community navigate the new journal policies and requirements to deposit data in FAIR-aligned repositories. These new policies will be announced by each publisher as they are ready to apply them with a goal of full implementation over the next year.

