FAIR
Findable Accessible Interoperable Reusable

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CAUL Repository Event

October 2018

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Pathfinder: AGU Enabling FAIR Data Project

Project objectives:

- **FAIR-aligned repositories**: add value to research data, provide metadata and landing pages for discoverability, and support researchers with documentation, guidance, citation support and curation

- **FAIR-aligned publishers:** align their policies to establish a similar experience for researchers, support data and software citation which resolves to landing pages in repositories. Data are no longer put in supplemental sections of journals.

In essence:

- Push on repositories as home for data
- Push on publishers to move away from data in supplementary section of journals, support data and software citation and link to these objects in repositories

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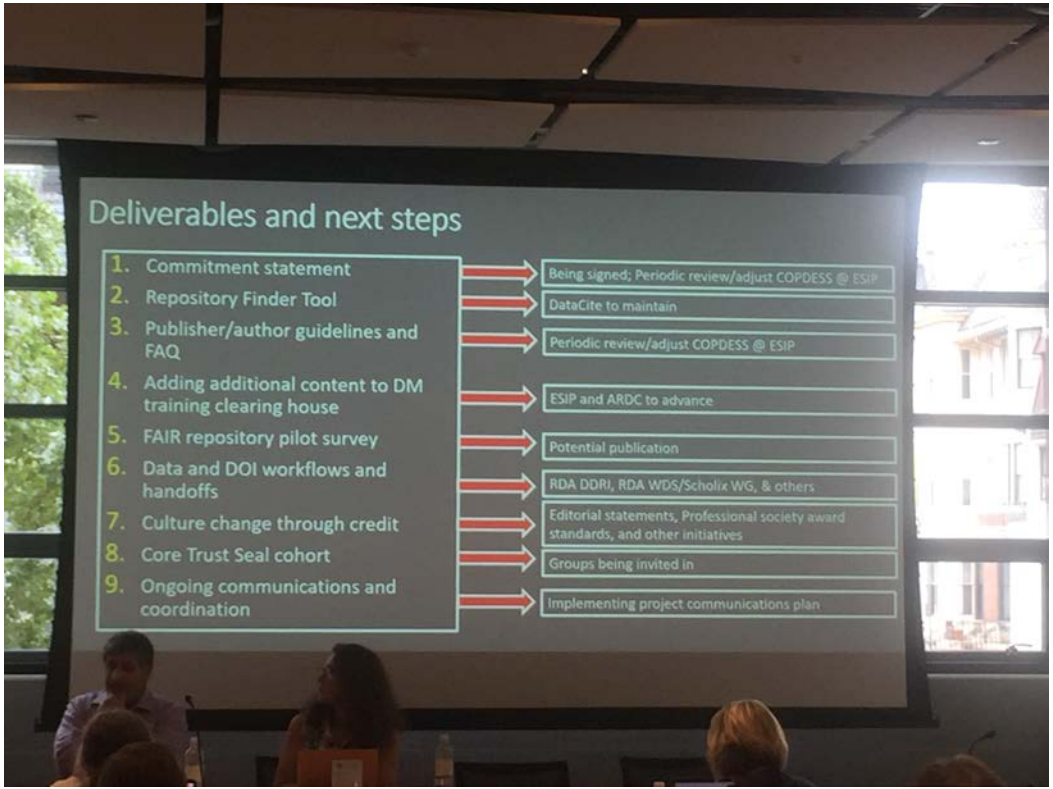
http://www.copdess.org/enabling-fair-data-project/enabling-fair-project

What has been achieved?

Washington DC – September 2018

It will clearly take a community to move forward with the needed culture change - this work isn't possible without your respective efforts, support, and partnership

- Shelley Stall and the Enabling FAIR Data Steering Committee



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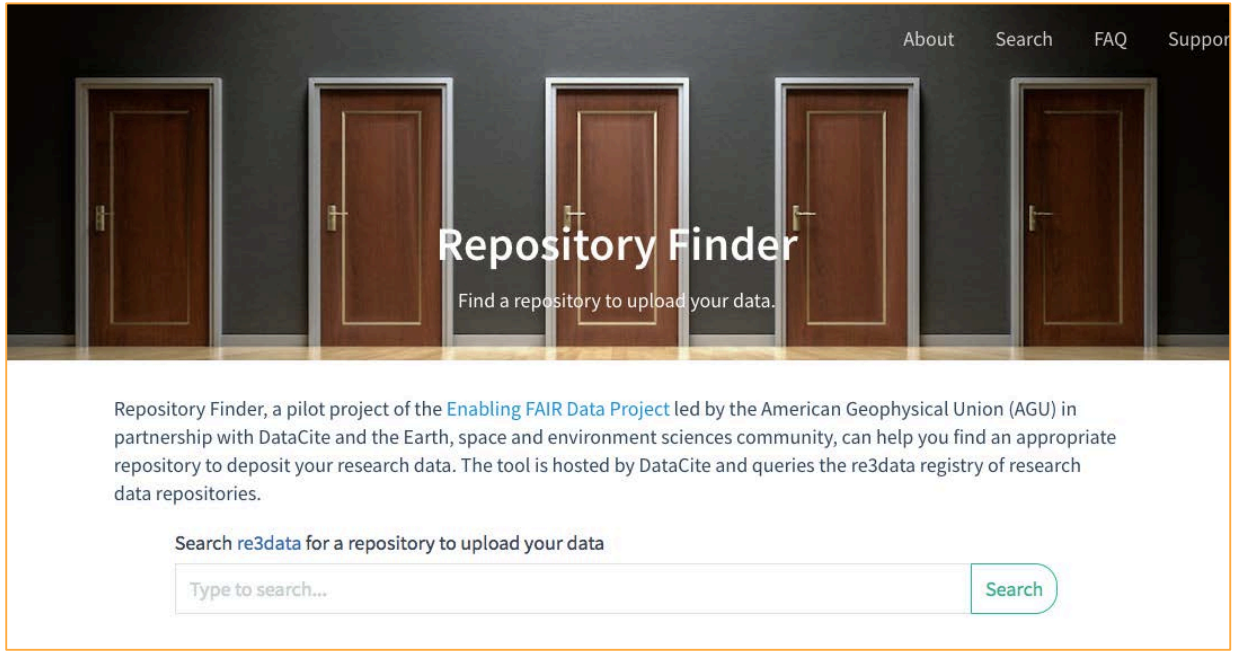
COMMITMENT STATEMENT IN THE EARTH, SPACE, AND ENVIRONMENTAL SCIENCES

Imagine a world where the preponderance of Earth, space, and environmental science data, software, and models are routinely shared in ways that allow easy discovery, recombination, reuse, and to test reliability, and where information about samples, methods, and tools are standardized, available, and linked across publications.

Repository Finder Tool



Built by re3data + DataCite

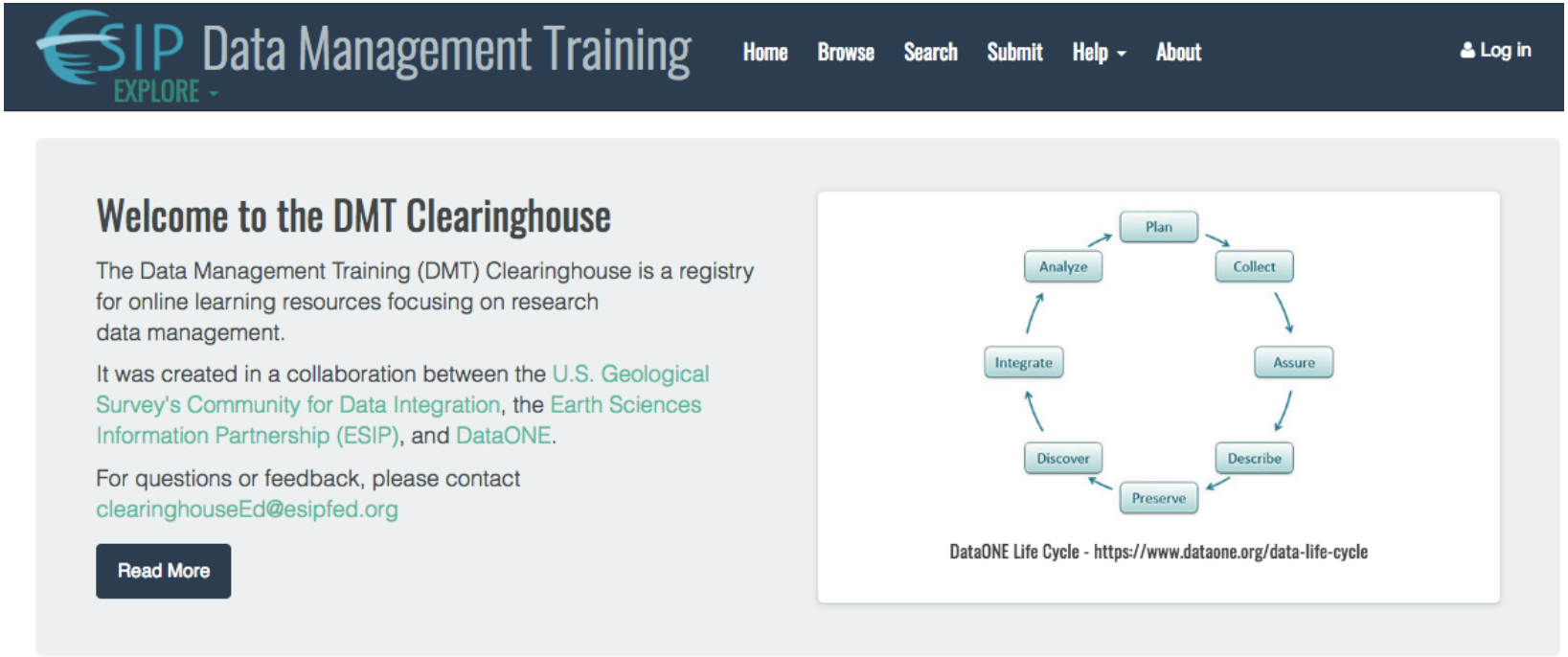
Emphasis on trusted repositories, specifically the Core Trust Seal

https://repositoryfinder.test.datacite.org/

Publisher/author guidelines

- Deposit research data in a FAIR-aligned repository, with a preference for those that explicitly follow the FAIR Data Principles and demonstrate compliance with international standards for data repositories, (e.g. CoreTrustSeal). Supplements to articles must not be used as an archive for data.
- Cite and link to the data in the article. Includes: Citations should include persistent identifiers in well-formed references to data and software allowing that information to be tracked in global information systems for impact, integrity, and innovation (see Scholix).
- Include a Data Availability Statement describing how the data underlying the findings of their article can be accessed and reused
- Provide unrestricted access to all data and materials underlying reported findings for which ethical or legal constraints do not apply.

Data Management Training Clearinghouse



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http://dmtclearinghouse.esipfed.org/

FAIR tagged training materials

What does this all mean for your institutional repository?

- The AGU FAIR pathfinder project may influence subsequent projects in other research disciplines
- Publishers are moving away from data in supplementary sections to data in (largely domain) repositories
- Trusted repositories is a big thing, the Core Trust Seal is growing in importance
- Make sure you're listed in re3data so you can be found in the repository finder tool
- Use persistent identifiers for people (e.g. ORCID) and scholarly outputs (e.g. DOIs)
- Create landing pages with good metadata for discoverability and include a license to support data resuse
- Contribute links to Scholix (via Research Data Australia) so that when a researcher finds a journal article in a publisher database they will find the underlying data in your repository

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NCRIS
National Research Infrastructure for Australia
An Australian Government Initiative

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