

Infrastructures and tools for research data management

Coffee lecture series

Research Data Management Network, HS 2022



What is re3data?

Re3data is a global registry of research data repositories that covers research data repositories from different academic disciplines.

It includes repositories that enable permanent storage of and access to data sets to researchers, funding bodies, publishers, and scholarly institutions.

re3data promotes a culture of sharing, increased access and better visibility of research data.

<https://www.re3data.org/about>



What is re3data not?

- Re3data is not a meta search engine for research datasets
(like The Research Data Connectome, datacite, google dataset sear.ch, ...)
- A register of somehow evaluated repositories (e.g. enabling FAIR, non-profit).
For being registered in re3data a repositories must ...
 - be run by a legal entity
 - clarify access conditions and terms of use
 - have focus on research data

<https://www.re3data.org/suggest>

History and partners

The registry has gone live in autumn 2012, funded by German Research Foundation (DFG)
In March 2013, re3data and Databib announced to merge their two directories into one service that is managed under the auspices of DataCite since the end of 2015.

Starting in January 2020, the German Research Foundation (DFG) is funding re3data's project "re3data - Community Driven Open Reference for Research Data Repositories (COREF)" over a period of 36 months.

Project partners in re3data are the
Berlin School of Library and Information Science at the Humboldt-Universität zu Berlin,
the Helmholtz Open Science Office at the GFZ German Research Centre for Geosciences,
the KIT Library at the Karlsruhe Institute of Technology (KIT) and
the Libraries of the Purdue University.

The German partners are actively involved in the German Initiative for Network Information (DINI) and current research data management activities.

<https://www.re3data.org/about>; https://docs.lib.purdue.edu/lib_fspress/2/

Who is adding data to the re3data?

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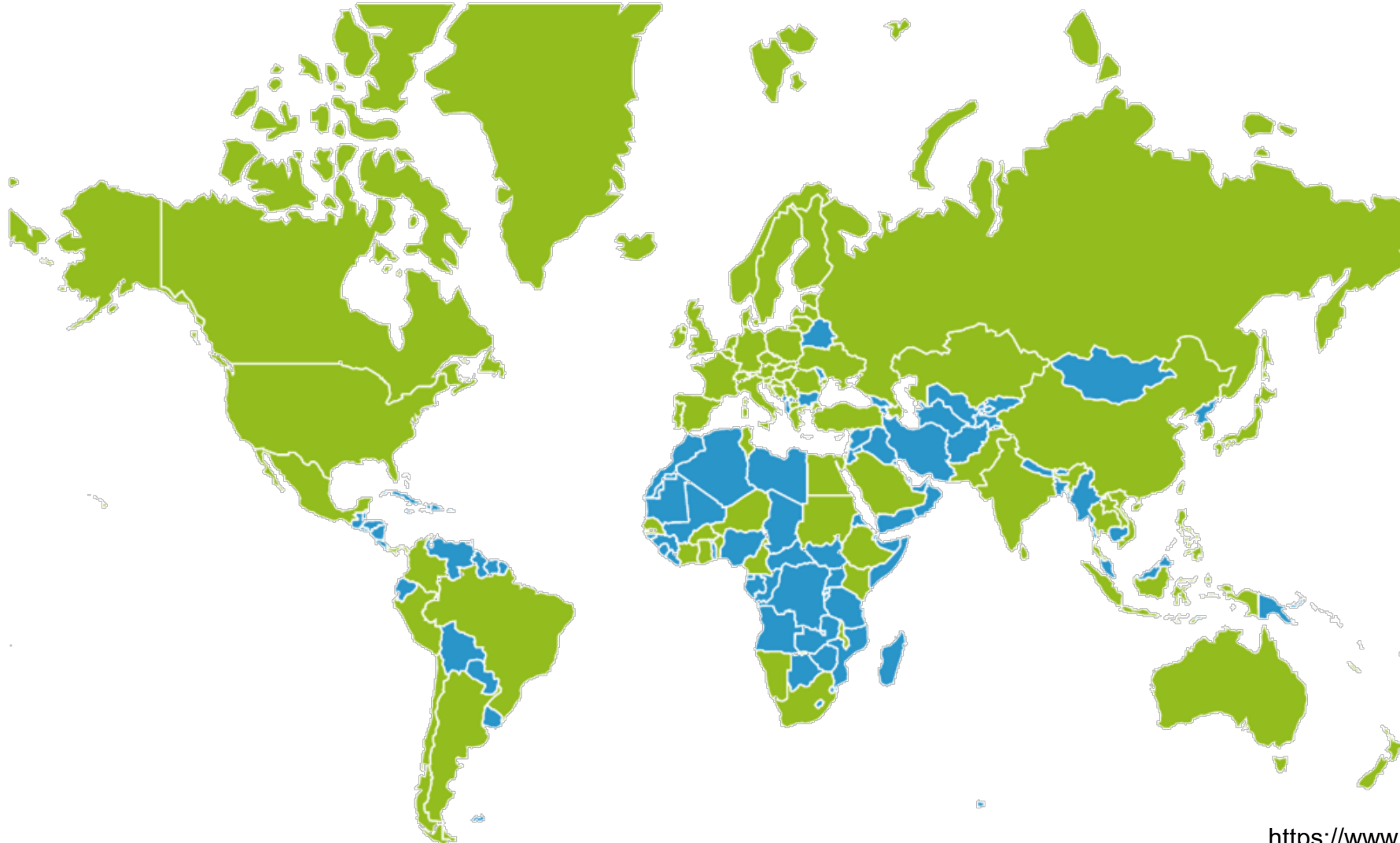
Sarah Williams

University of Illinois

Michael Witt

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Coverage of re3data



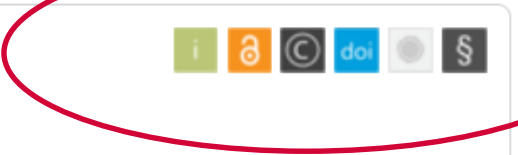
<https://www.re3data.org/browse/by-country/>

Which information do you get from re3data?



Search result with short information

Found 6 result(s)



Zenodo
Research. Shared

Subject(s) Humanities and Social Sciences Life Sciences Natural Sciences Engineering Sciences

Content type(s) Standard office documents Networkbased data Images Structured graphics Audiovisual data
Scientific and statistical data formats Raw data Plain text Structured text Archived data other Source code

Country European Union

ZENODO builds and operates a simple and innovative service that enables researchers, scientists, EU projects and institutions to share and showcase multidisciplinary research results (data and publications) that are not part of the existing institutional or subject-based repositories of the research communities. ZENODO enables researchers, scientists, EU projects and institutions to: easily share the long tail of small research results in a wide variety of formats including text, spreadsheets, audio, video, and images across all fields of science. display their research results and get credited by making the research results citable and integrate them into existing reporting lines to funding agencies like the European Commission. easily access and reuse shared research results.



Open-source Scientific Software and Service Repository
OSSR

Subject(s) Astrophysics and Astronomy Particles, Nuclei and Fields Astrophysics and Astronomy Physics Natural Sciences
Particles, Nuclei and Fields

Short information on research data repositories



The repository provides additional information on its service.



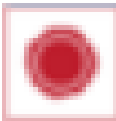
Provides open access to its data



The terms of use and licenses are provided by the repository



The repository uses persistent identifier to make its provided data persistent, unique and citable



The repository is certified or supports a repository standard.



The repository provides a policy.



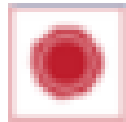
Findable

- Persistent Identifier (e.g. DOI)
- Metadata is online



Accessible

- (Meta)data is online available
- Restrictions of access are defined



Interoperable

- Standardized controlled vocabularies
- Open/common data formats (txt, csv, xml, tif, wav, ...)



Reusable

- extensive documentation
- Licenses of use (CC0, CC BY, ...)

Live tour: <https://www.re3data.org/>





University
of Basel

Thank you for your attention.