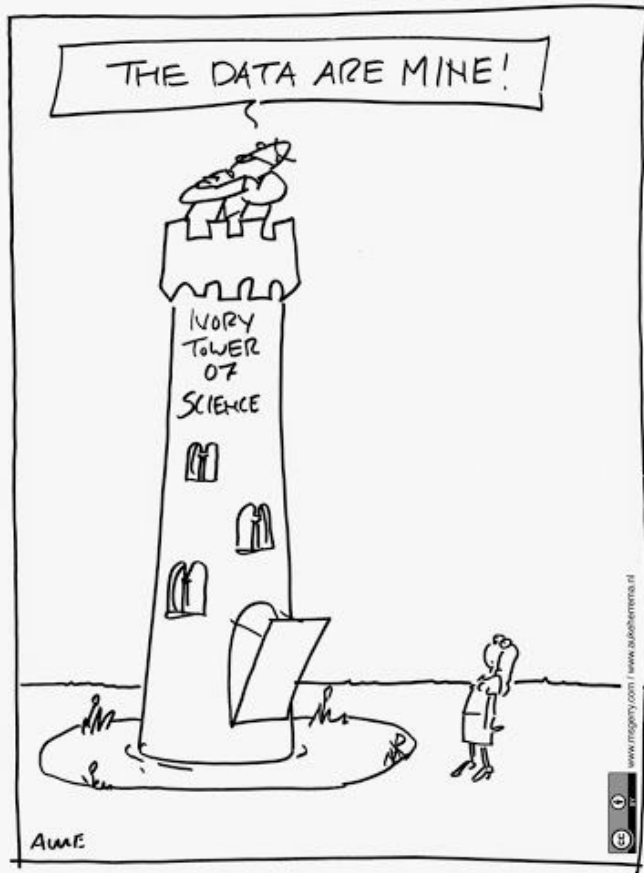# FAIRsFAIR and the Repository Finder Tool

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Head of Infrastructure Services, DataCite

FAIRsFAIR: Fostering Fair Data Practices in Europe

- Provide practical solutions for the use of the FAIR data principles throughout the research data life cycle.
- Fostering FAIR data culture and the uptake of good practices in making data FAIR.
- Development of global standards for FAIR certification of repositories and the data within them
- Contributing to the policies and practices that will turn the EOSC programme into a functioning infrastructure.

FAIRSFAIR
Fostering Fair Data Practices in Europe

Key Facts

- Starting date - 01/03/2019
- Duration - 36 months
- 22 Partners from 8 Member States

FAIR₂FAIR — Fostering Fair Data Practices in Europe

WP 1 — Project Management

WP 2 — FAIR practices: semantics, interoperability, and services

WP 3 — Data Policy and practice

WP 4 — Certification (of Repositories)

WP 6 — FAIR Competences

WP 7 — FAIR Data Science Curricula & professionalisation

WP 5 — Engagement, Communication & Uptake

Activities cutting across Work Packages

Sustainability · Landscape analysis, etc. · FAIR repositories/services · Knowledge base · Engagement and uptake · Competences · Training

FAIRsFAIR
Fostering Fair Data Practices in Europe

DATA PRACTICES
- ◆ **Reports**
  - ◇ FAIR requirements for persistence and interoperability
  - ◇ Guidelines for ontology design and vocabulary interoperability
  - ◇ Basic framework for services enabling FAIR (including software)
- ◆ **Solutions for interoperability and machine accessibility for FAIR-aligned repositories**
- ◆ **Prototype for interoperability of repositories**
- ◆ **Workshops and hackathons: Recommendations for FAIR Semantics and Semantics in FAIR**

DATA POLICY
- ◆ **Reports**
  - ◇ Recommendations on data policy and analysis of practice
  - ◇ Integration of meta-data catalogues
  - ◇ White paper on alignment and synchronisation around FAIR, Open Science and EOSC
- ◆ **Support programme for repositories to reach FAIR compliance**

CERTIFICATION
- ◆ **European network of trustworthy repositories enabling FAIR data**
- ◆ **Support and guidance for certification of data repositories**
- ◆ **Tool to identify relevant trustworthy certified repositories**
- ◆ **Pilots to support the assessment of FAIR data in trustworthy repositories**

TRAINING, EDUCATION AND SUPPORT
- ◆ **Reports**
  - ◇ FAIR data in European higher education
  - ◇ Training for researchers in FAIR data science and its impact
- ◆ **FAIR competence centres tailored to different communities**
  - ◇ Three annual schools in core data skills for researchers
  - ◇ Five instructor training (train-the-trainer) events
- ◆ **FAIR competence framework for higher education**
  - ◇ Three annual FAIR data education stakeholder workshops
- ◆ **FAIR competences adoption handbook for universities**
  - ◇ Three workshops on integrating FAIR data competences
  - ◇ Case studies on good practices in FAIR competences education

◆ MAIN OUTPUTS
March 2019 - February 2022

T4.4 Registry for FAIR repositories [M1-36]

The aim of this task is to build on and expand DataCite's re3data service to find relevant certified repositories.

Milestones

- M4.7 Improved description of data repositories [M18]
- M4.8 Introduce additional components and practices to metadata schema and align them with FAIR data practices [M24]

Deliverable

- D4.7 Tools for finding and selecting certified repositories for researchers and other stakeholders [M36; DATACITE]

Certification
(of Repositories)

re3data

re3data stores detailed information on more than 2,500 research data repositories.

Repository Finder

Find a repository to upload your data.

Repository Finder, a pilot project of the Enabling FAIR Data Project led by the American Geophysical Union (AGU) in partnership with DataCite and the Earth, space and environment sciences community, can help you find an appropriate repository to deposit your research data. The tool is hosted by DataCite and queries the re3data registry of research data repositories.

As part of the FAIRsFAIR project, which aims to supply practical solutions for the use of the FAIR data principles throughout the research data life cycle, the Repository Finder is extended to query for repositories relevant to FAIRsFAIR Project.

Search re3data for a repository to upload your data

| Type to search... | Search |

or

See the repositories in re3data that meet the criteria of the Enabling FAIR Data Project.

See the repositories in re3data that meet the criteria of the FAIRsFAIR Project.

FEEDBACK

Repository Finder

◉ Search re3data for a repository to upload your data
◯ See the repositories in re3data that meet the criteria of the Enabling FAIR Data Project
◯ See the repositories in re3data that meet the criteria of the FAIRsFAIR Project

Type to search...	Search

1,663 Repositories

Sort by Name ⇳

1000 Functional Connectomes Project

The FCP entailed the aggregation and public release (via www.nitrc.org) of over 1200 resting state fMRI (R-fMRI) datasets collected from 33 sites around the world.

life sciences   neurosciences   systemic neuroscience, computational neuroscience, behaviour

cognitive neuroscience and neuroimaging   medicine   mental health

⊙ More info about 1000 Functional Connectomes Project

Work in progress

Repository finder has been extended to filter by

- Open access data
- Persistent Identifiers
- Certified repository

○ Search re3data for a repository to upload your data
○ See the repositories in re3data that meet the criteria of the Enabling FAIR Data Project
● See the repositories in re3data that meet the criteria of the FAIRsFAIR Project ⬤

☑ The repository provides open access to its data 🔓

Research data hosted by the repository are accessible without restrictions.

☑ The repository uses persistent identifiers 🔵

Persistent identifiers such as DOIs uniquely identifier datasets, enable the linking to publications, and help with discovery.

☑ The repository is certified 🔴

Certifications make sure repositories follow community standards and best practices

Change criteria for this search ✏️

Type to search...   Search

111 Repositories   Sort by Name ⬍

4TU.Centre for Research Data   🔴
4TU.ResearchData

4TU.ResearchData, previously known as 3TU.Datacentrum, is an archive for research data. It offers the knowledge, experience and the tools to share and safely store scientific research data in a standardized, secure and well-documented manner. 4TU.Centre for Research Data provides the research community with: Advice and support on data management; A long-term archive for scientific research data; Support for current research projects; Tools for reusing research data.

life sciences   basic biological and medical research   biophysics   bioinformatics and theoretical biology

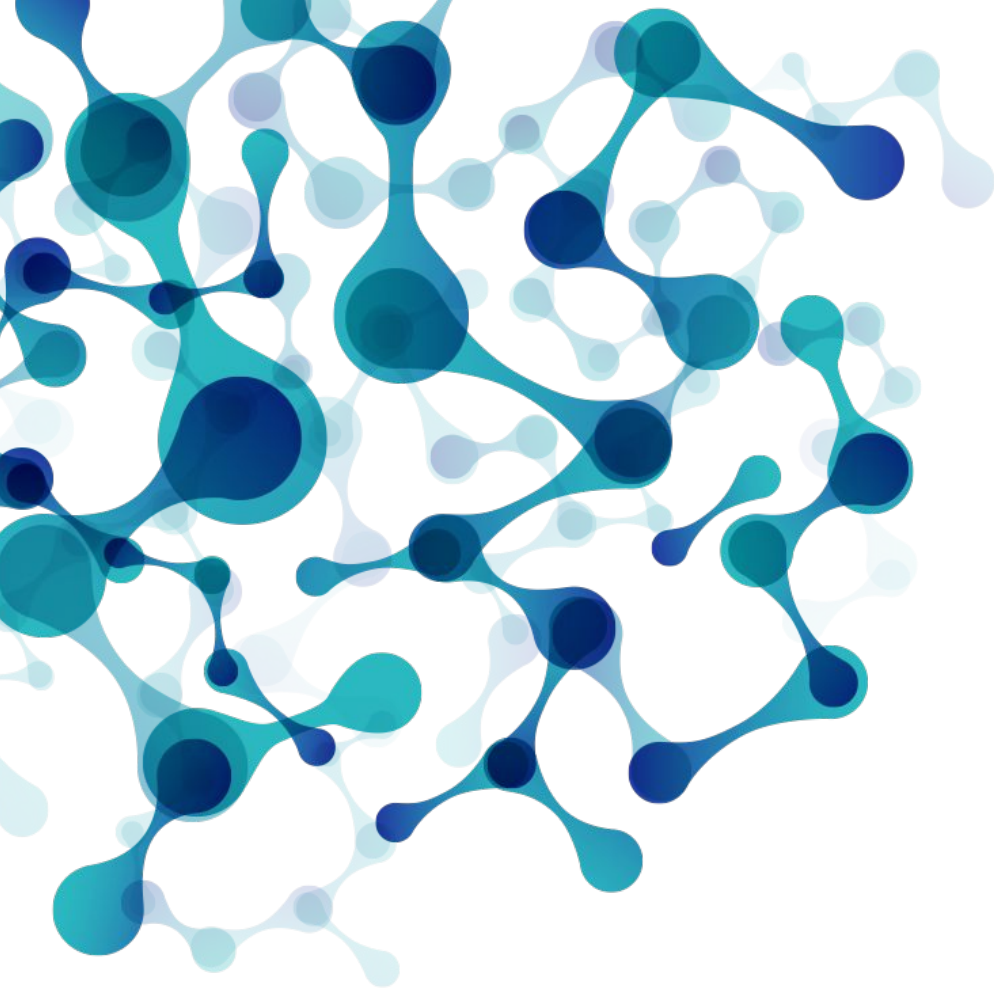agriculture, forestry, horticulture and veterinary medicine   soil sciences   biology   agriculture, forestry, horticulture and veterinary medicine

Get in touch

- The Repository Finder Tool
    - https://repositoryfinder.datacite.org/
- Code Base
    - API - https://github.com/datacite/schnauzer
    - Frontend - https://github.com/datacite/dackel

Thank you!

https://datacite.org

Twitter: @datacite