



SNSF Open Research Data Policy

Overview and first experiences

#SRDD2020

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SNSF policy on Open Research Data

Implementation of the ORD policy in October 2017

Policy statement

The SNSF values research data sharing as a fundamental contribution to the **impact, transparency and reproducibility** of scientific research. In addition to being carefully curated and stored, the SNSF believes research data should be shared as openly as possible.

Funding Regulations Article 47b

«data collected with the aid of an SNSF grant must be made available to other researchers and integrated into recognized scientific data pools»

Data Management Plan

- The submission of a DMP is a **formal requirement**
- DMPs are **not part of the review process** (no access for external reviewers).
- At project submission, DMPs are considered as drafts but a **“plausible” DMP is a condition for the release of funds.**
- DMPs are editable (at any time during the funding period) and the final version has to be submitted at the end of the project grant.

Data sharing – Principles

- SNSF expects data of a publication to be shared.
- Data needs to be shared as soon as possible on a data repository, but **at the latest at the time of publication of the respective scientific output.**
- Additional data can be shared if the researcher wishes to do so.
- Repositories need to be digital and conform to the **FAIR data principles.**

Cost contributions

- A maximal cost contribution of CHF 10'000 per grant is installed for:
 - data archiving costs (“data publishing charges”) and
 - related data preparation costs (prior to and for upload only)
- Data archiving costs are not paid if the data repository is commercial.
- Cost contribution can be exceeded, if justified.

FAIR Data Principles



Source: <https://www.ands.org.au/working-with-data/fairdata/training>



FAIR Data Principles – SNSF “light version”

- Globally unique and persistent identifiers for data (e.g. DOI, ARK, etc.)
- Upload of descriptive and project-specific metadata
- Data license (e.g. creative commons, open data commons, etc.)
- Metadata publicly accessible even in the case of datasets with restricted access
- Structured and machine-readable metadata
- Long-term preservation plan for data

SNSF Monitoring report 2017-2018



February 17, 2020

[Report](#) [Open Access](#)

Open Research Data: SNSF monitoring report 2017-2018

Milzow, Katrin;  von Arx, Martin; Sommer, Cornélia; Cahenzli, Julia; Perini, Lionel

The Swiss National Science Foundation (SNSF) introduced its policy on Open Research Data (ORD) in 2017. This monitoring report gives an overview of the first experiences and provides an analysis of the adherence of researchers to the ORD policy. Data collected in this report come from the applications funded in the project funding scheme, some career funding schemes, and the Sinergia programme between October 2017 and December 2018. The report provides an analysis of the plausibility of the data management plans (DMPs), the requested costs for granting access to research data and the characteristics of the mentioned data repositories.

Please cite this monitoring report as: Milzow, Katrin; von Arx, Martin; Sommer, Cornélia; Cahenzli, Julia and Perini, Lionel (February 2020). Open Research Data: SNSF monitoring report 2017-2018. Zenodo (10.5281/zenodo.3618123)

Contact

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SNSF Monitoring report 2017-2018

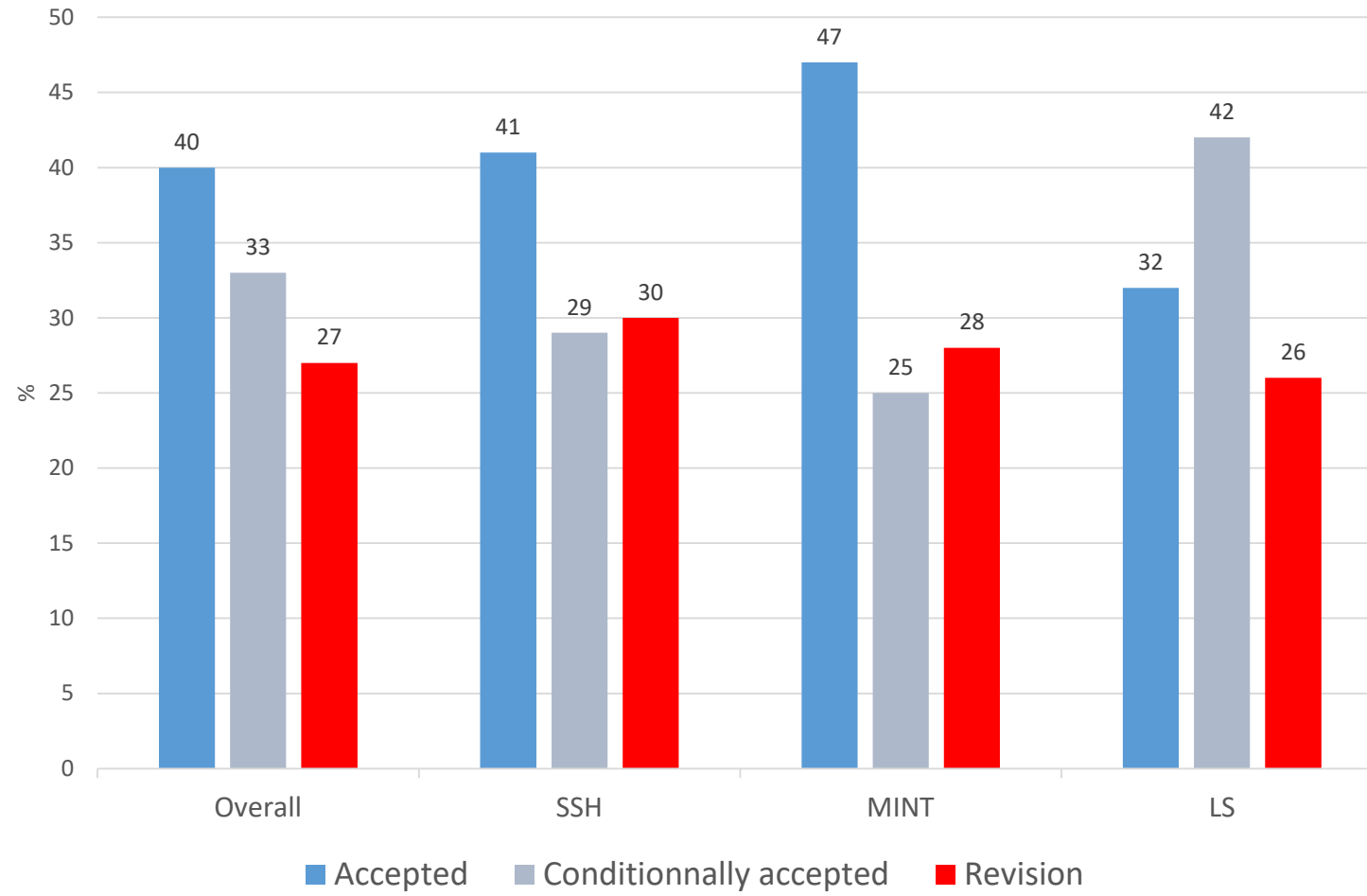
Data collected (N=1'516) from funded applications:

- Project funding scheme (N=1'270; Oct17, Apr18, Oct18)
- Career funding scheme (N=188; PRIMA 17, Eccellenza 18, Ambizione Nov17, doc.ch Sept18)
- Sinergia (N=58; Dec17, Jun18, Dec18)

Aims:

- DMP acceptance rates and reasons for rejection
- Repositories

DMP - acceptance rate



DMP – reasons for comments

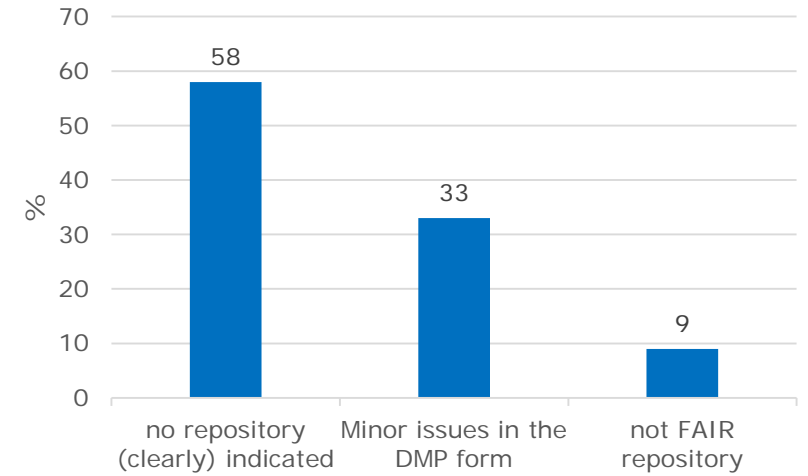
DMP conditionally accepted

No repository clearly indicated

Minor issues

Data repository not FAIR

=> can be updated by the end of project



DMP revision

Publish data on website/annex to publications

Sharing but confounding information

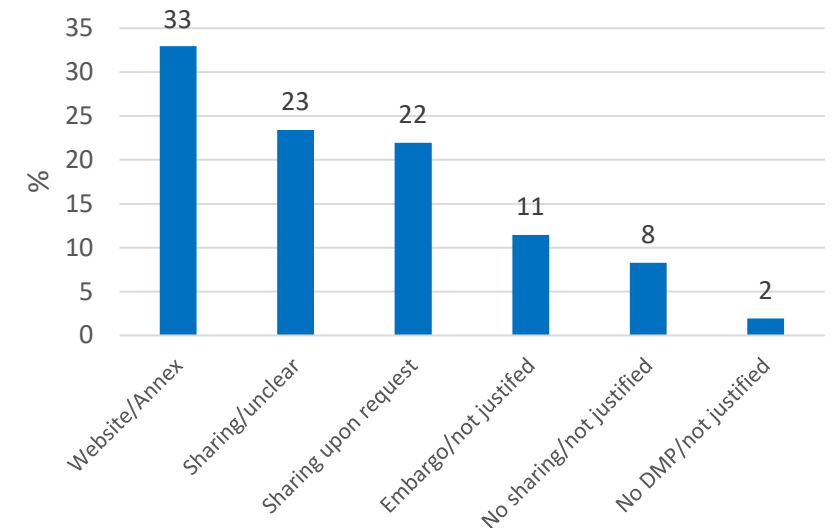
Sharing upon request

Sharing with embargo without explanation

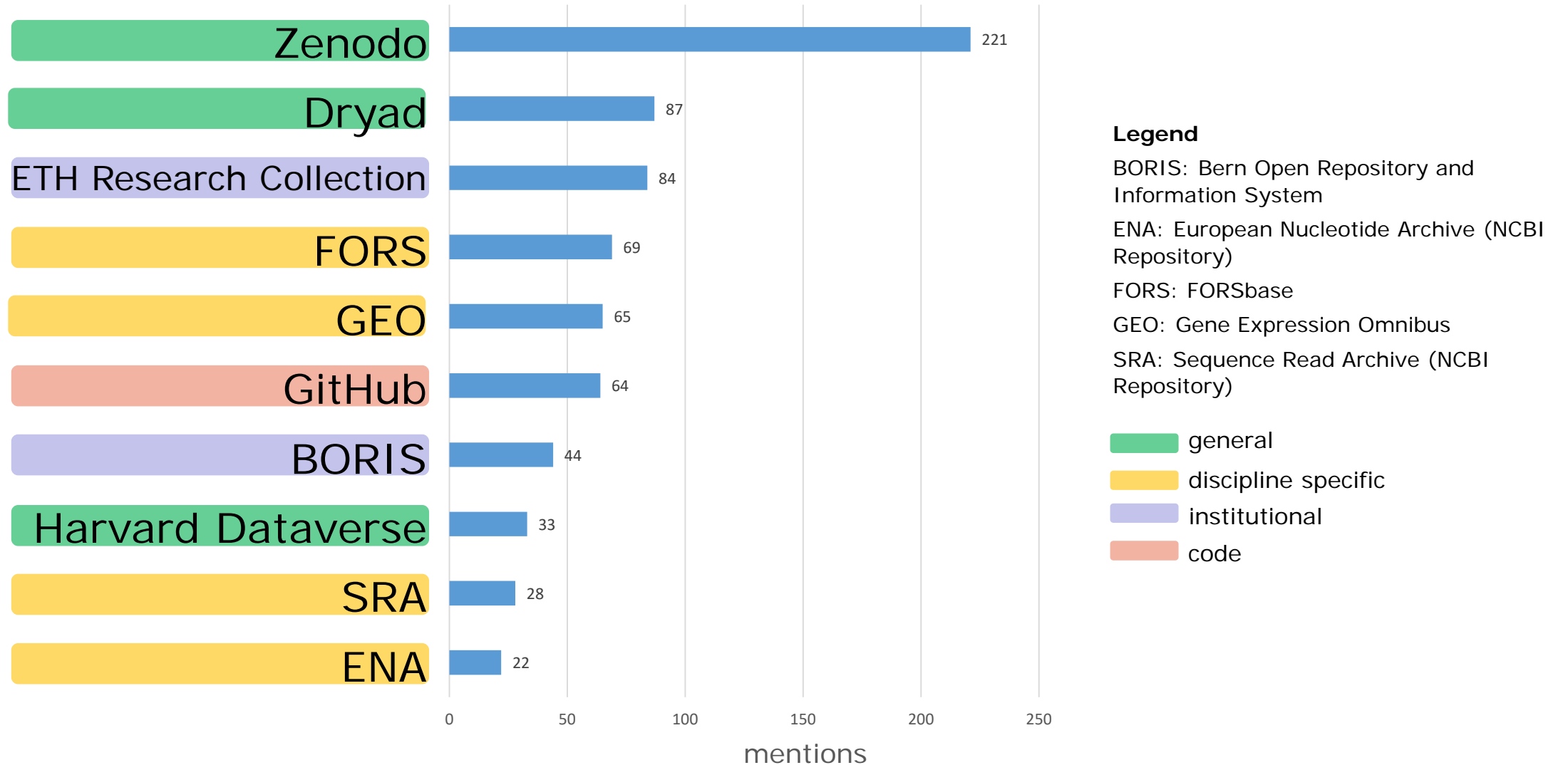
No sharing without explanation

No DMP submitted but project generates data

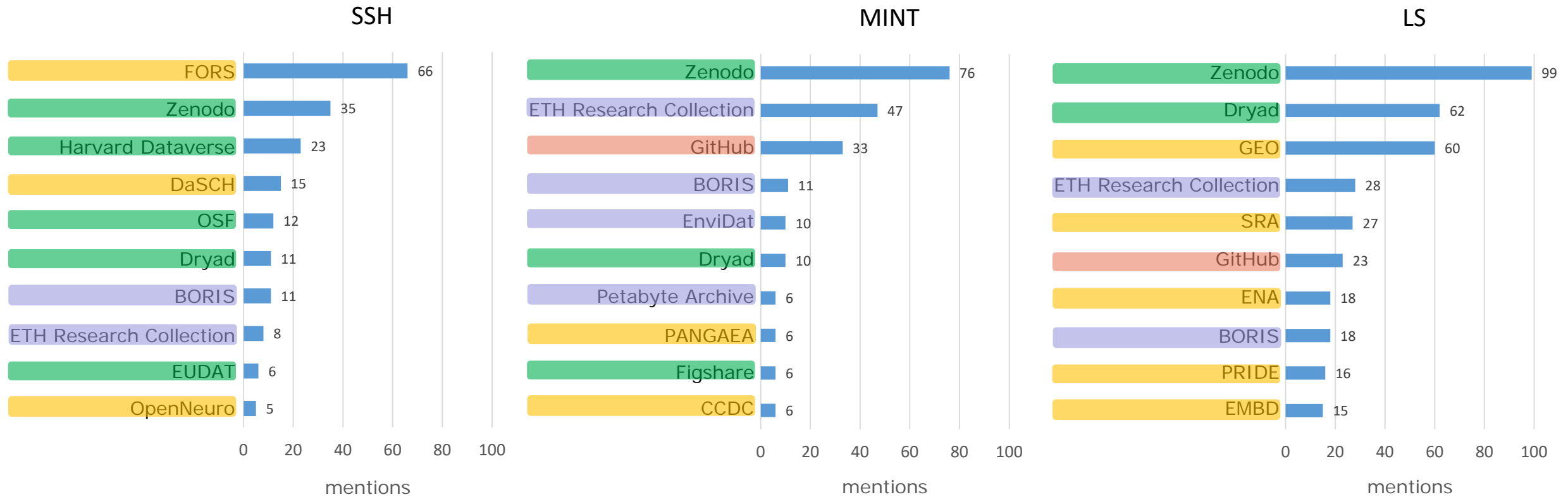
=> to be updated before start of project



ORD – Repositories Top 10 – across disciplines



ORD – Repositories Top 10 – discipline-specific



- general
- disc.-specific
- institutional
- code

BORIS: Bern Open Repository and Information System
 CCDC: Cambridge Crystallographic Data Centre
 DaSCH: Data and Service Center for the Humanities
 EMBD: Electron Microscopy Data Bank
 ENA: European Nucleotide Archive
 FORS: FORSbase

GEO: Gene Expression Omnibus (NCBI database)
 OSF: Open Science Framework
 OpenNeuro: formerly OpenfMRI
 Petabyte Archive: Petabyte Archive Paul Scherrer Institute
 PRIDE: PRoteomics IDentifications Database
 SRA: Sequence Read Archive (NCBI database)

Re3data.org

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 Research Data – SNSF Webpage

Profile

Organisation

Evaluation procedures

Partners

Research policies

- › Animal testing
- › Gender equality
- › International Collaboration
- › Language policy
- › Open Access to Publications
- › **Open Research Data**
- › Promotion of young researchers
- › Scientific integrity
- › Use-inspired basic research
- › Statements and factsheets

Jobs & mandates

Contact

Publications

Events

SNSF Blog

Open Research Data



Research data should be freely accessible to everyone – for scientists as well as for the general public.

The SNSF agrees with this principle. Since October 2017, researchers have to include a data management plan (DMP) in their funding application for most of the funding schemes. At the same time, the SNSF expects that data generated by funded projects are publicly accessible in digital databases provided there are no legal, ethical, copyright or other issues.

Please consult the webpages of the different funding schemes to see whether a DMP is required when submitting an application.

[SNSF policy on Open Research Data](#) 

[Guidelines and Regulations](#) 

[FAIR Data Principles for Research Data Management](#) 

Contact

Open Research Data
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Next steps

- Maintaining and strengthening the learning process with the research communities
- Continuously updated information on SNSF ORD website
- Contribution to the elaboration of a national Open Research Data strategy commissioned by the SERI (with swissuniversities and ETHs).



Contact: ord@snf.ch