

u^b

b

**UNIVERSITÄT
BERN**

u^b

Open Access (OA) Open Research Data (ORD)

How to comply with the Swiss National Science Foundation (SNSF) requirements

Manuela Bamert, Open Science, Open Access

Dr. Olga Churakova, Open Science, Research Data Management

E-Mail: openscience@unibe.ch



Image: © UB UniBE



u^b Open Access (OA) Swiss National Strategy

[Swiss National Strategy on Open Access, 31 January 2017 \(PDF\)](#)

- Goal: By 2024 all scholarly publications in Switzerland funded by public money must be OA
- Existed since 2017 and will expire in 2024
- The SNSF has embedded its OA policies in it



u^b

Open Access (OA)

SNSF Policy on OA Publications

- The SNSF has set itself a clear and ambitious goal: by 2020, all publications relating to projects funded by the SNSF are openly accessible ([SNSF OA](#))
- In 2023, the [SNSF joined cOAlition S](#) with stricter OA rules; the rules apply for grants awarded from 2023 onward:
 - Immediate Open Access, no embargo periods accepted for Green OA
 - Only CC-BY-Licenses are accepted
 - SNSF does not fund hybrid OA fees
- Gold OA Books (Monographs and anthologies). Submission via [OA](#) mySNF

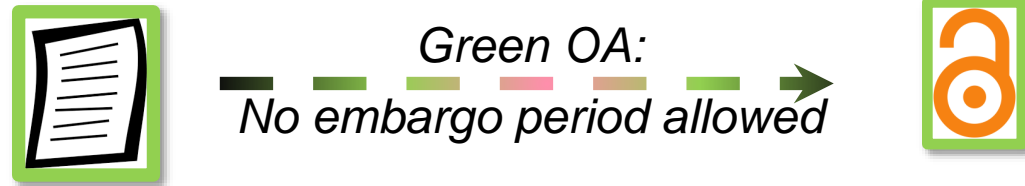


Open Access

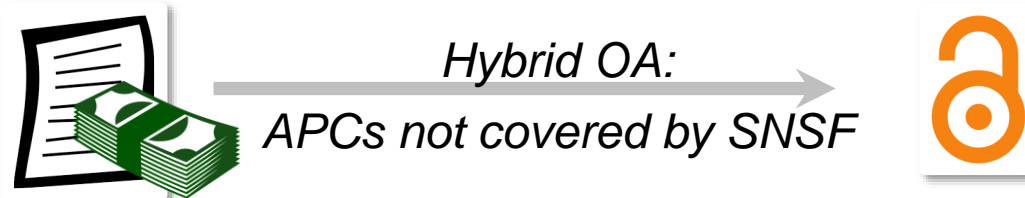
Roadmap for Journal Articles under Plan S



Green Self-archiving of **post-prints** or publisher's version in accepted repositories, e.g. [BORIS publications](#) at the UniBE



Hybrid The OA requirements are met, but SNSF will not cover these costs. Check for [Read & Publish contracts at UniBE](#).



u^b

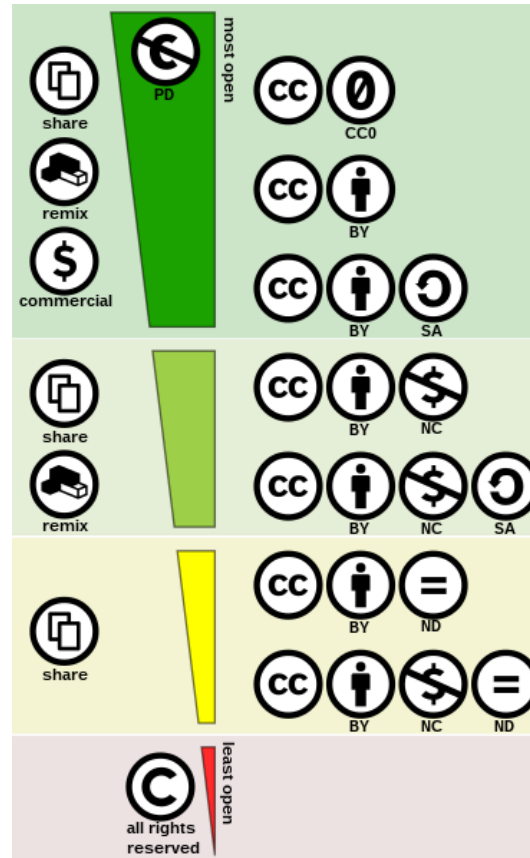
Open Access

License Requirements under cOAlition S



Compliance with cOAlition S and SNSF requires a CC-BY license

Creative Commons (CC) License



- Grant permission to access, re-use, and redistribute material with few or no restrictions.
- Different license elements representing condition for re-use can be combined
- Licenses range from very open to very restrictive. The more restrictions, the trickier it is to combine content under different licenses.



u^b

Open Access Preprint Servers



Not compliant with
the SNSF Open
Access requirements

Khurana, S. (2020). [Commonly used pre-print servers for researchers](#)



u^b

Open Access ChronosHub



A screenshot of the ChronosHub login page. The page has a dark blue background with faint, glowing alphanumeric characters. On the left, there is a login form with two white input fields labeled "Email" and "Password". Below these fields are links for "Forgot Your Password?" and a "Login →" button. A red arrow points to the "Login →" button. On the right side of the page, there is a section titled "Do you have an invoice from a publisher?" with a subtext: "If an APC invoice was sent to you, please upload it to your submission, or email it with the required details." Below this text is a dark button labeled "Email invoice". At the bottom left, there is a "Request Access" section with a button labeled "Request Access - Researcher". The Swiss National Science Foundation logo is visible in the top left corner of the page.



Login or email invoice to
SNSF snsf@chronoshub.io

<https://snsf.chronoshub.io/>



u^b

Open Access ChronosHub Portal

Platform to facilitate OA publishing

- [Check journals](#) for compliance with the SNSF OA Policy
- Get your article processing charges paid directly
- Reuse the data for reporting

The screenshot displays the ChronosHub Portal dashboard with four main navigation cards:

- Check your favorite journals**: Use the Journal Finder with its 40,000+ journals to check whether your favorite journals are compliant with the SNSF Open Access Policy.
- Submit manuscript to publisher**: Submit your manuscript to the publisher through the Journal Finder to reduce administration upon.
- Upload your invoice**: If an APC invoice was sent to you, please upload it to your submission, or email it with the required details. Includes an **Email invoice** button.
- View published articles**: Once your article is published, you can view it in your profile and use this information for further reporting.

Below the cards is a section titled **Stay compliant - Select your funder(s)** with the instruction: "Select the funders involved with your research to make sure you meet compliance." It features a search input field with the placeholder "Enter Funder name" and a dropdown menu showing "Swiss National Science Foundation (SNSF)" with a **Remove from selection** link. At the bottom is a **SAVE AND UPDATE MY SEARCH** button with a checkmark icon.

<https://snsf.chronoshub.io/dashboard/>



Open Access ChronosHub Portal

Comply with the SNSF requirements

Publisher Show all (100)

- Springer Nature 2698
- Taylor & Francis 164
- Elsevier 162
- Nature Publishing Group 127
- Wiley 58
- SAGE Publications 22
- American Chemical Society (ACS) 12
- Institute of Electrical and Electronics Engineers 11

Journal Lists

- Scopus [?] 3024
- Web of Science [?] 2427
- DOAJ [?] 361

Subject areas Show all (331)

- Multidisciplinary 88
- Agricultural and Biological Sciences 2106
- Arts and Humanities 4109
- Biochemistry, Genetics and Molecular Biology 2039
- Business, Management and Accounting 1303
- Chemical Engineering 620
- Chemistry 1084
- Computer Science 1630

License

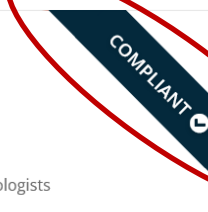
- CC-BY 3032
- CC-BY-NC-ND 209
- CC-BY-NC 95
- CC-BY-NC-SA 3
- CC-BY-SA 3

Environmental and Engineering Geoscience
Publisher: [Geological Society of America](#) | ISSN: 1078-7275
Subject areas: [Earth and Planetary Sciences \(miscellaneous\)](#), [Geotechnical Engineering and Engineering Geology](#), [General Engineering](#), [Environmental Engineering](#)
[Visit Publisher homepage](#) [Visit journal homepage](#)

Environmental & Engineering Geoscience is published quarterly by the Association of Environmental & Engineering Geologists and the Geological Society of America.

This is a Hybrid Journal: the SNSF does not cover the fees.


[WHY IS THIS COMPLIANT? [?]](#) [SHERPA/ROMEO INFO](#) [SUBMIT >>](#)



Energy Geoscience
Publisher: [Elsevier](#) | ISSN: 2666-7592
[Visit Publisher homepage](#) [Visit journal homepage](#)

NOT CURRENTLY COMPLIANT
WITH SWISS NATIONAL SCIENCE FOUNDATION (SNSF) OA POLICY

[WHY IS THIS NOT COMPLIANT? [?]](#) [SUBMIT >>](#)



u^b

Open Access

ChronosHub – further information

How to submit a manuscript: <https://www.youtube.com/watch?v=YLv00lvjL8g>

How to upload an invoice: https://www.youtube.com/watch?v=bXG5TCa9V_c

More information on Chronos Hub: <https://www.youtube.com/watch?v=0GzwcaMI3xQ>



u^b

SNSF Open Access Requirements

Take-Home Message

Requirements (cOAlition S)

- OA 6 months/immediate after publication
- Publications must have a CC-BY-license
- cOAlition S requirements apply to grants awarded from 2023 onwards

Funder information

Make sure that ALL required bibliographic metadata is included and that it is also publicly available:

- Funding body («SNSF»)
- Title of the program
- Grant number
- Publication date (including embargo period, if applicable)
- Digital Object Identifier (DOI)



u^b

Swiss National Science Foundation (SNSF) Open Research Data

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

SNSF

[Concordat on Open Research Data](#)



u^b

Swissuniversities

Open Research Data National Strategy




"Open Research Data (ORD) has to do with facilitating access to and reuse of research data."

"ORD practices support transparent, reproducible research findings."



u^b

SNSF Guidelines on Open Research Data (ORD)

-  **Data underlying publications** must be shared unless there are legal, ethical, copyright or similar obstacles
-  **Data must be shared** at the latest together with the respective publication. Further data can be shared, but this is not mandatory
-  [New SNSF regulations, April 2023](#) submit a **data management plan (DMP)** not later than the project starts and update regularly.



u^b Open Research Data

Choosing a repository

Checklist

- Data are given unique and persistent identifiers (e.g., DOI)
- Metadata publicly accessible and stored permanently (e.g., *author, title/content, version, etc*)
- Clear licensing supported (e.g., [Creative Commons](#))
- Submission form for metadata is provided
- Long-term preservation plan is included (minimum 10 years)

Good to know

- [SNSF repositories list](#) commonly used by researchers (non-exhaustive)
- Re3data.org <https://www.re3data.org>
- [Up to 10'000 CHF](#) for data upload and data preparation for publication on non-commercial repository

[SNSF guidelines](#), art. 5.1

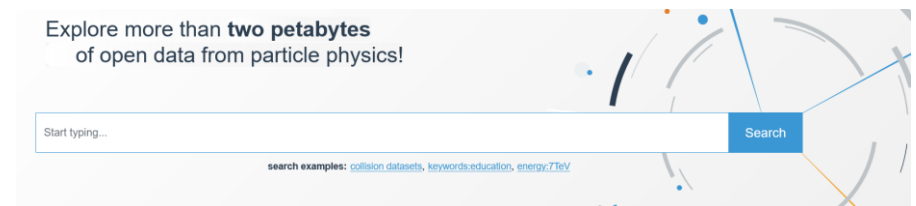
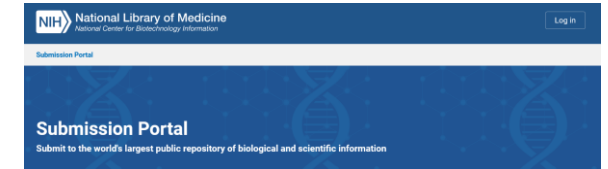


u^b

Open Research Data Repositories – Overview

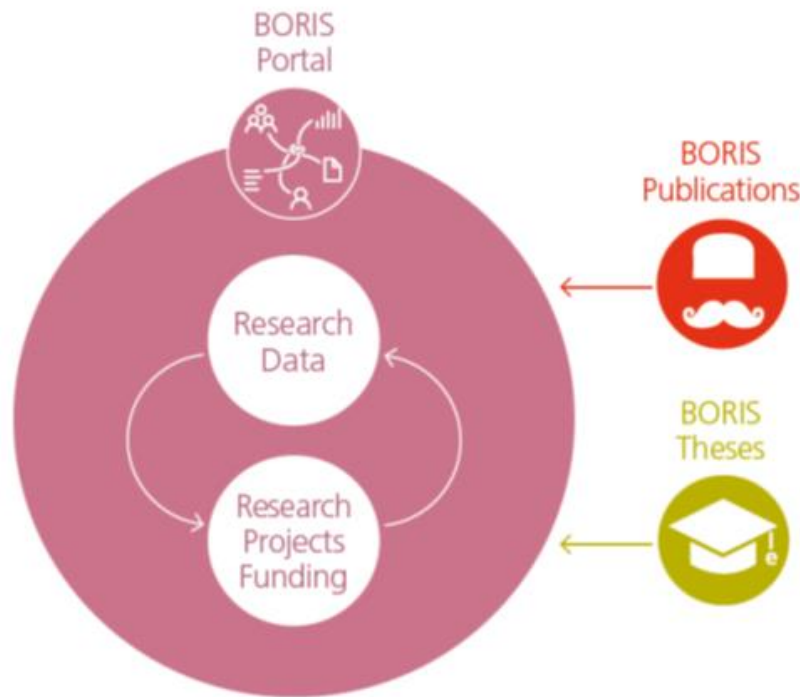
Discipline-specific

- [Nature](#) – a list of recommended repositories
- [CERN Open Data](#)
- International Clinical Trials Registry Platform ([ICTPR](#))
- The image data resource (cell, tissue [IDR](#))
- PANGAEA ([Environmental sciences](#))
- SwissUbase (e.g., [Social sciences](#))
- DaSCH ([Humanities](#))
- NIH-supported data repositories ([Medicine, Genomic data](#))



Open Research Data Institutional Repository – Overview

BORIS Portal Research Data Repository



- Institutional research data repository @ UniBE
- Digital Object Identifier (DOI)
- Metadata description (Dublin Core)
- Metadata stored under [CC0](#) and permanently
- Data documentation upload
- Managing data access
- Licenses
- Policy for long-term preservation (**10 years**)
- For clinical studies permitted (anonymized data only)



u^b Open Research Data Repositories – Overview

Generic - open to researchers from all disciplines



[Zenodo](#) - not-for-profit



DRYAD [Dryad](#) - may charge a fee



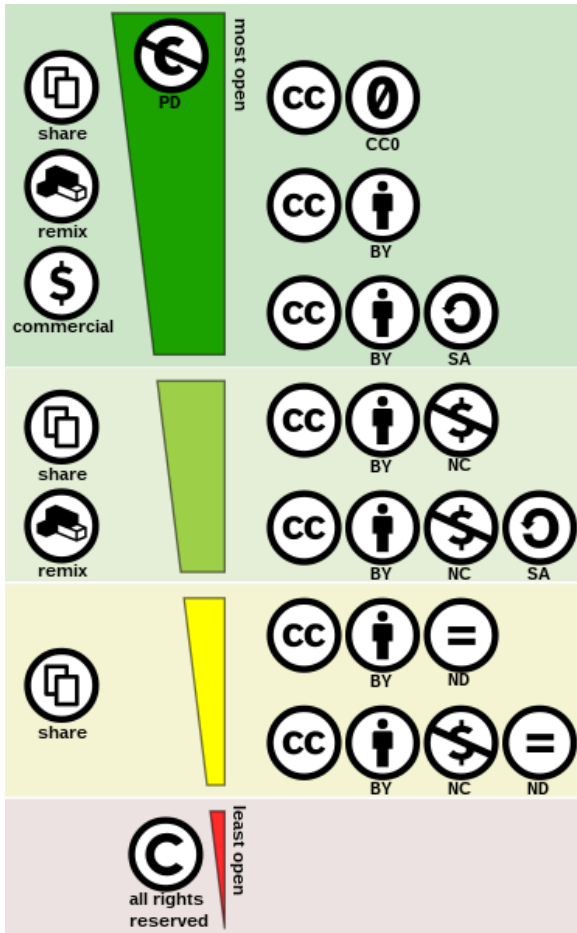
[Figshare](#) - free of charge for academic use for up to 20 GB.
If larger than 20 GB – one time fee will be charged.



[SwissUbase](#) - national cross-disciplinary solution for Swiss universities



u^b Open Research Data Recommendation



- The SNSF allows researchers to choose the best suitable license for the data based on the principle of reusability (see [SNSF Policy on Open Research Data](#)).
- The Open Science Team UniBE recommends [CC 0](#) or the newest version [CC BY](#) licenses to allow maximal reusability.
- If data cannot be openly published due to ethical or legal restrictions, metadata, and supplementary material can be published under [CC 0](#) to fulfil funders' agencies' requirements.

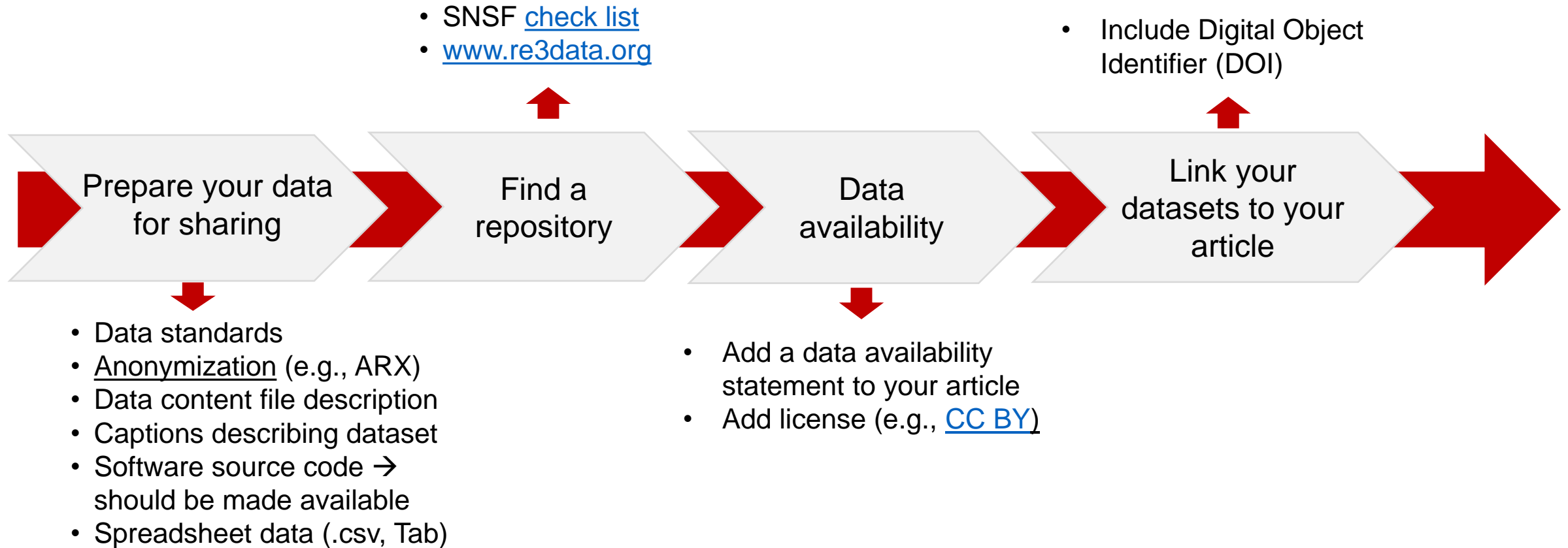
[Open Science UniBE recommendation](#)

[Creative Commons \(CC\) License](#)

"CC License Spectrum" by [Shaddim](#) (CC BY)



u^b Open Research Data Summary



u^b Open Research Data Take-Home Message

Data publishing

- Data underlying publications must be made freely available and stored in research data repository, if there are no legal, ethical, copyright, confidentiality or other clauses
- Metadata should be openly accessible and stored permanently (CC0)
- Applicants must present a data management plan via *mySNF* **not later than project starts**
- The DMP should be regularly updated

SNSF provides

- Up to **10'000 CHF** for data upload and data preparation for publication on **non-commercial repository**



Open Science Newsletter

Stay informed by subscribing Open Science Newsletter:

- Funder's news
- Training sessions and courses
- Developments in Open Access, Research Data

<https://www.unibe.ch/ub/osnews>



u^b

Research Data Management Support Survey

We would like to learn about your wishes and needs in order to optimize our training and consulting services.
Thank you for participating in this short and anonymous survey!

t1p.de/RDMsurvey



Contact

Open Science

Open Access and Open Research Data

openscience@unibe.ch

