

#### FAST GUIDE #13

# **DATA/CODE PUBLICATION PLATFORMS**

**EPFL LIBRARY** RESEARCH DATA **MANAGEMENT** 

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#### WHY?

Publishing your research data/code might depend on many factors:

- Research ethics (transparency, accountability, reproducibility)
- ✓ Funder's request opening data/code (SNSF, Horizon Europe, etc.)
- ✓ Your research group's policy about publication
- ✓ Increase citations (data and code as academic output)

## Need to anonymize before publication?

Check the Fast Guide #9: Data Masking [1]

WHERE TO PUBLISH DATA/CODE?



Check the most-used platforms adopted by EPFL researchers in this comparative Data platforms dissemination table [2]. It includes platforms for publication, as well as preservation of data and code, and for different scientific fields.



#### CRITERIA TO SELECT A PLATFORM



Institutional / External



Data or Code-oriented / Content neutral



Discipline specific / Discipline neutral



Offers persistent identifiers (ex. DOI)



Supports personal identifiers (ex. ORCID)



Cost is sustainable



Servers' location compliant with laws



Suggested by funders



Max size allowed



Choice of licenses



Specific: ex. preview, metadata, community, etc.

### Simple choice suggestion

Filter the comparative table for a platform that is:



- Suggested by SNSF [3] and the EC [4]
- Trusted, listed by re3data.org
- Hosted in CH or EU
- Able to provide a DOI
- Maintained by a non-profit organization
- Used by your research community

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# Publishing your dataset on Zenodo?

Increase the findability of your work: select the EPFL Community in the upload page [5]



How to make your GitHub code citable? Follow GitHub's documentation<sup>[6]</sup> to make a persistent snapshot of your code on Zenodo

#### 5-STAR SCHEME FOR OPEN DATA [7]

☆☆☆☆★ Make your stuff available on the Web (whatever format) under an open license

 $\cancel{x} \cancel{x} \cancel{x} \bigstar \bigstar$  Make it available as structured data (ex. Excel instead of scan of a table)

☆☆★★★ Make it available in non-proprietary open format (ex. CSV instead of Excel)

 $\rightleftarrows \bigstar \bigstar \bigstar$  Use URLs to denote things, so that people can point at your stuff

★★★★ Link your data to other data to provide context

"As open as possible, as restricted as necessary"

Karel Luyben, president of the EOSC [8]

#### Credits and sources

[1] go.epfl.ch/rdm-fastguide09/

[2] go.epfl.ch/datarepo/

[3] snf.ch/en/WtezJ6qxuTRnSYgF/topic/open-research-data-which-data-repositories-can-be-used /

[4] open-research-europe.ec.europa.eu/for-authors/data-guidelines#:~:text=2.2.%20Select%20a%20Repository

[5] zenodo.org/communities/epfl [6] guides.github.com/activities/citable-code [7] https://5stardata.info [8] doi.org/10.5281/zenodo.6807345

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