

Research Data: Sharing and Publishing

An increasing number of journals now require research data to be published as a part of the article submission process.

- Check if research data sharing is required by your target journal and what data sharing expectations include (data access platform, formats, and so on). This information is typically included in author guidelines for the journal or its publisher.
- Feel free to [consult NTK information specialists](#) if you need help finding the data sharing policy of your target journal or in identifying and using a commonly-used data repository, if the journal does not specify this.

Terms you may encounter

- *Data availability statement*: [Wiley](#), [Taylor & Francis](#), and [Springer Nature](#) templates.
- *Data sharing*: Usually refers to storing your data set(s) on an open data repository.
- *Peer review of shared data sets*: Some journals now include peer review of shared data sets to check them for data logic, consistency, quality, anomalies, and other factors. May include FAIR Guiding Principles for scientific data management and stewardship.

Select a repository

1. Check **field-specific repositories** endorsed by the research community (see section 2.2.1 *Non-exhaustive list of Open Research Europe-approved repositories* in [Open Research Europe Data Guidelines](#)).
2. Where a field-specific repository does not exist, you can use a **general data repository** (such as [Zenodo](#)).
3. Try to **search** for a suitable repository on [OpenDOAR](#) or [re3data.org/](#).

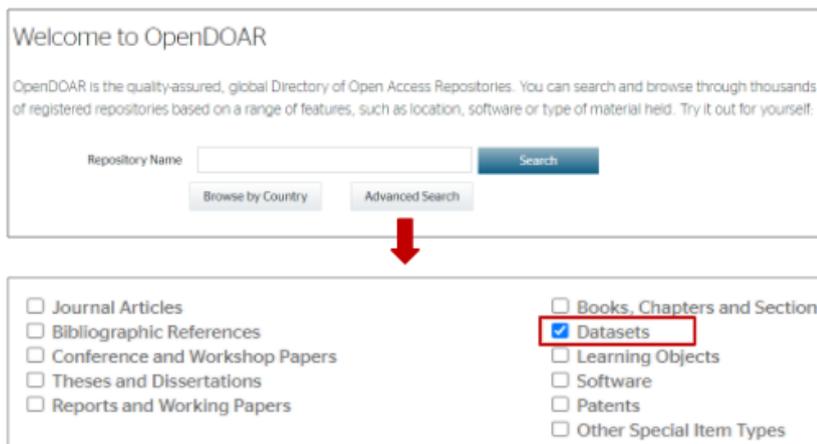
There are many factors to consider while choosing a repository. Some of the most important are:

- Data standards specific to the topic of your research (see <https://fairsharing.org/>).
- Reliability: appropriate expertise of repository provider and/or certification.
- Availability of DOI(s) and/or accession number(s).
- Long-term preservation policy.

The Directory of Open Access Repositories (OpenDOAR):

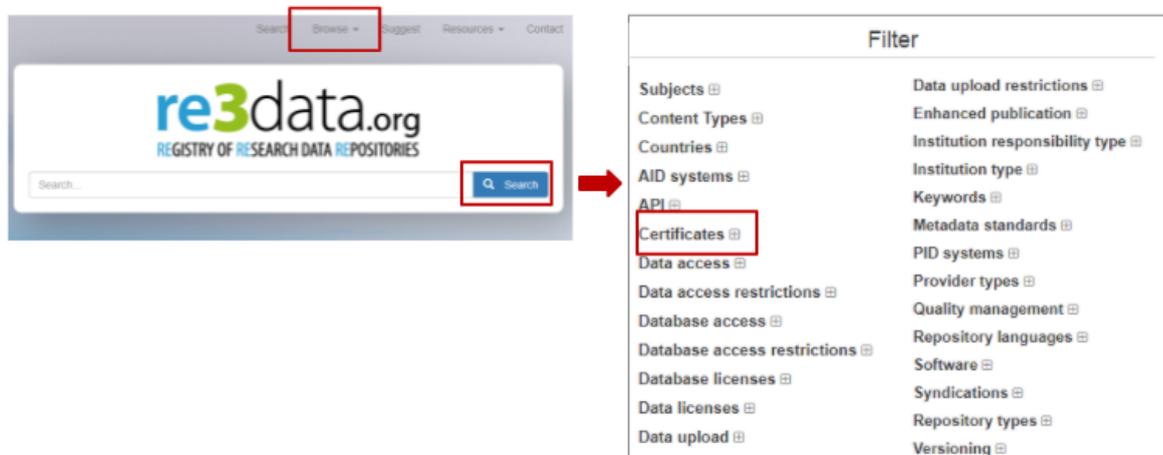
<https://v2.sherpa.ac.uk/opensoar>

- OpenDOAR is a directory of open, academic repositories reviewed and approved by the editorial team according to quality inclusion criteria.
- Limit your search to *Datasets* within the *Advanced search* menu to filter data repositories. Use other criteria as well (e.g., Subjects) to get a manageable number of results.



Registry of Research Data Repositories: <https://www.re3data.org/>

- Registry of Research Data Repositories is a tool that offers an overview of existing international repositories for research data, including basic information about data repositories and links to them.
- Click on *Search* to see all repositories, then use filters to identify the proper repository. You can also open the menu *Browse* and choose your subject, content type or country.



Additional resources:

- European Commission. (n.d.). *Open Research Europe Data Guidelines*. <https://open-research-europe.ec.europa.eu/for-authors/data-guidelines/>
- GOFAIR. (n.d.). FAIR Principles. <https://www.go-fair.org/fair-principles/>
- MIT. (n.d.). *Data management: Journal requirements*. <https://libraries.mit.edu/data-management/share/journal-requirements/>
- NTK. (2021). *STEMskiller: Research data*. <https://www.techlib.cz/en/84208-research-data>

Please do not hesitate to contact us via email, info@techlib.cz, or by phone at (+420) 232 002 535, Monday to Friday, 9:00-17:00.