

Publishing and sharing

Tools for data management

IPBES Data Management Tutorials

Grégoire Dubois

IPBES task force on knowledge and data
Joint Research Centre of the European Commission

Publishing and sharing your codes and data

- Support to policy, to be effective, requires full **transparency** of the knowledge production process
- This implies that both **data and methods** used for IPBES **are easily retrievable, freely accessible in open access/source** and that the material is hosted somewhere under a long-term plan

Where should you store your data and/or codes?

Zenodo

- **Zenodo** (www.zenodo.org) is a general-purpose open-access repository, free to access and for storage
- It allows researchers to **deposit data sets**, research **software**, reports, and any other research related digital artifacts and get a **unique persistent Digital Object Identifier (DOI)** which makes the stored items easily trackable and citable

Where should you store your data and/or codes?

Zenodo

- Datasets and codes can be easily updated with Zenodo's **versioning** feature
- Current limit is **50 GB** per single dataset (but no limit in numbers)
- Zenodo is operated by the **CERN** which is committed to maintain the Data Centre for as long as CERN exists

Where should you store your data and/or codes?

GitHub

- **GitHub** (www.github.org) is a popular platform for hosting codes with more advanced features for programmers
- Provides a distributed version-control system for **tracking changes** in source code during software development
- GitHub is therefore recommended mainly **during the development** process so one can benefit from improved tools for version control and collaboration.

Where should you store your data and/or codes?

GitHub

- **Collaboration features:** bug tracking, feature requests, task management, and wikis for every project
- **Repositories:** repositories can be public or private
 - Repositories are **private during assessment** development
 - Repositories should be made **public only after the assessment is released**

Zenodo-GitHub: making your code citable

It is important that **references point to the version of the software used** in IPBES assessments.

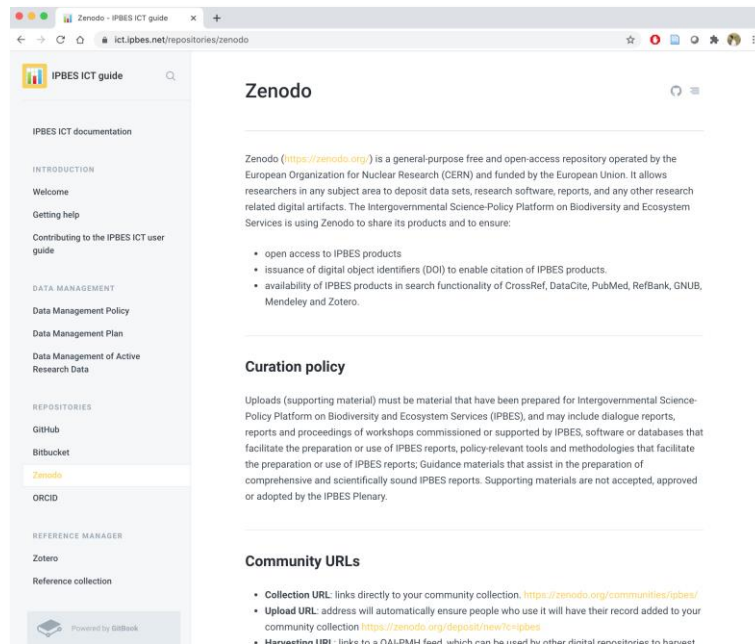
Work shared on **GitHub can be made citable** by archiving the repository and assigning it a **DOI with Zenodo**.

Full instructions at

<https://guides.github.com/activities/citable-code/>

IPBES and ICT

See our public user documentation for IPBES data management and IT services and tools at <https://ict.ipbes.net/>



Thank you!

Data management report details: Data sharing and access consideration

IPBES data management reports

Benedict Omare, Dave Thau, Debora Drucker, and Grégoire Dubois

The Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) – www.ipbes.net
Task force on knowledge and data, and capacity building

Technical support unit on knowledge and data
Senckenberg Society for Nature Research - www.senckenberg.de

For inquiries: tsu.data@ipbes.net