



UiB Open Research Data

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UNIVERSITY OF BERGEN



WHERE can you archive research data?



1. Funding requirements?
2. Community repository?
3. Institutional repository?
4. Other multidisciplinary repository?

Consider capacity, guidance, cost and FAIR-ness



⇒ The most comprehensive
registry of data repositories





UiB Open Research Data

<https://dataverse.no/dataverse/uib>

We are your institutional repository and UiB open data group



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Research data

The University Library offers guidance on various aspects of research data planning and management.

Most major research funders require projects to archive and make available research data. Many publishers also require authors to make the data underlying the findings described in their publications available.

CONTACT

University Library of Tromsø

- Operation and management
- User guides
- DOI service
- Minimum 10 years archiving and disclosure
- Establish subarchives and data volumes
- Training and support for super users

University Library of Bergen

- Archiving of research data according to user guides
- Ensure that the research data can be made openly available
- Clarify ownership and rights
- Training and support for UiB employees and students

Goal: Sustainable and compliant with FAIR principles

- Import in the DataCite search (and thus other search services)
- Certificate



Are we good at sharing our research data?



Big variety between research groups at UoB

Some has a tradition to making their research data available

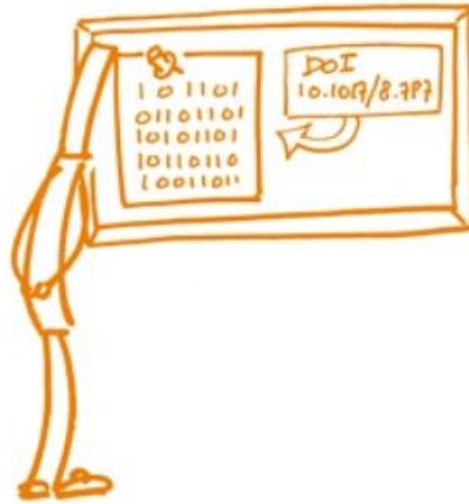
Others are new to open research data



FAIR DATA PRINCIPLES



FINDABLE



ACCESSIBLE



INTEROPERABLE



REUSABLE



- ✓ Unique and permanent identifier, preferably a DOI
- ✓ Rich metadata



Data about data

- ✓ Standardised metadata
- ✓ Standardised (open) file formats
- ✓ Controlled vocabularies
- ✓ Available in an «approved» repository/archive
- ✓ Methods/tools for access is described and made available
- ✓ Data set indexed in databases and search engines
- ✓ Licenced for reuse, preferably CC0
- ✓ Embargo, if necessary

Limitations?

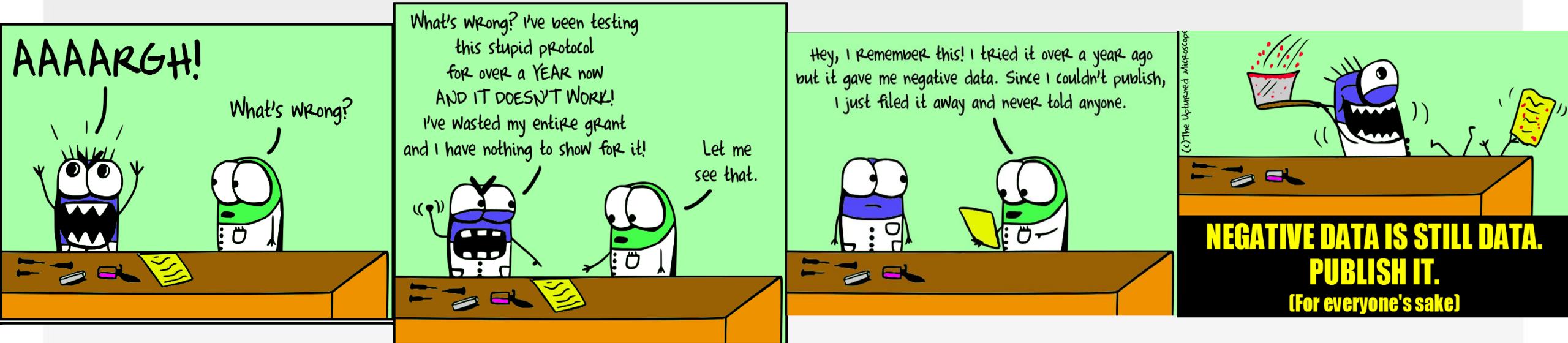


UiB Open Research Data

- Large data files (> 50 GB) and a large amount data files (>1000) in one dataset
- Community archives might have more metadata and more relevant metadata
- We don't have the knowledge to check that the researcher:
 - have used standard vocabularies in their data
 - That the selection of the data are in according to the community standards -> raw data, software, model and/or processed data



Avoid unnecessary replications and get more citations



The Upturned Microscope (2013) *Negative Data*. Available at <https://theupturnedmicroscope.com/comic/negative-data/> (Retrieved 2019-10-21).

Research data

- Are first class research output, not just attachments or negative data that are filed away
- Shall have a reference, like any other scientific publication