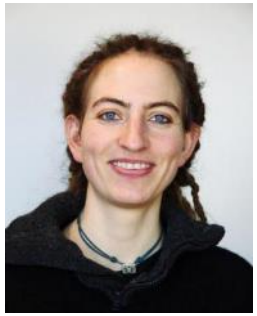
Data Management Planning at UiB

ELIXIR Data Management Planning workshop 26.09.2022

Jenny Ostrop
University of Bergen Library
Research Data Team

UNIVERSITY OF BERGEN

University Library Research Data Team



Courses and guidance:

- Open Science
- Open Data: why, how and where?
- Data Management Plans
- Finding & reusing research data
- UiB Open Research Data

More information on our web pages:

Open Access to Research data
Data Management Plans

Contact us: research-data@uib.no

The library provides guidance

https://www.uib.no/ub

UNIVERSITY OF BERGEN

Norsk

Education Research Library For students For employees About UiB

Employee Pages

Employment conditions | Work support | Service functions | Competence | Policy and strategy

UiB > Employee Pages >

OPEN SCIENCE

The University of Bergen Policy for Open Science

Openness, transparency, and knowledge exchange are core values for the University of Bergen. Technological changes and increased digitalization have created new opportunities for research, education, innovation, and artistic research.

Adopted by the University Board on September 24, 2020

https://www.uib.no/en/foremployees/142184/university-bergen-policy-open-science

UiB Policy for Open Science

adopted by the University Board 24.09.2020

- Open access to research publications and artistic research
- Open access to research data
- Open Innovation
- Citizen Science
- Open educational resources

https://www.uib.no/en/foremployees/142184/university-bergen-policy-open-science

Open access to research data

The goal of the University of Bergen is that data resulting from research activity should be made readily available for reuse in accordance with FAIR-principles.

https://www.uib.no/en/foremployees/142184/university-bergen-policy-open-science

Data description | Metadata & data quality | Storage & Backup | Legal & ethical issues | Long-term preservation & sharing | Responsi-bilities & resources

[Science Europe – Practical Guide to the International Alignment of Research Data Management]

Forskningsrådet
The Research Council of Norway

European Commission

FAIR-Aware Additional Guidance to the Science Europe DMP assessment rubric; DCC – DMP checklist

Resources at

How will data and metadata be **stored and backed up**?

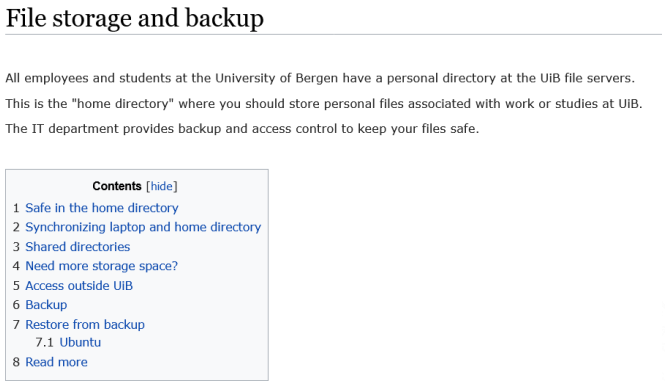
- use institutionally managed storage with automatic backup (**NOT**: laptops, stand-alone hard drives, USB sticks! Follow 3-2-1 rule if you cannot rely on managed storage)

- Do you have sufficient storage resources?

File storage at UiB IT

- Default: 50GB in personal directory & 1TB on OneDrive

- Price list active storage: https://it.uib.no/Prisliste_IT_tjenester
- Long-term storage (cold storage): https://it.uib.no/Billy
- Contact via UiBhjelp



File storage and backup

All employees and students at the University of Bergen have a personal directory at the UiB file servers.
This is the "home directory" where you should store personal files associated with work or studies at UiB.
The IT department provides backup and access control to keep your files safe.

Contents [hide]

1 Safe in the home directory
2 Synchronizing laptop and home directory
3 Shared directories
4 Need more storage space?
5 Access outside UiB
6 Backup
7 Restore from backup
7.1 Ubuntu
8 Read more

https://it.uib.no/en/File_storage_and_backup

Large datasets (TB range)

Sigma2 & NIRD

Subject-specific platforms (storage based on NIRD)

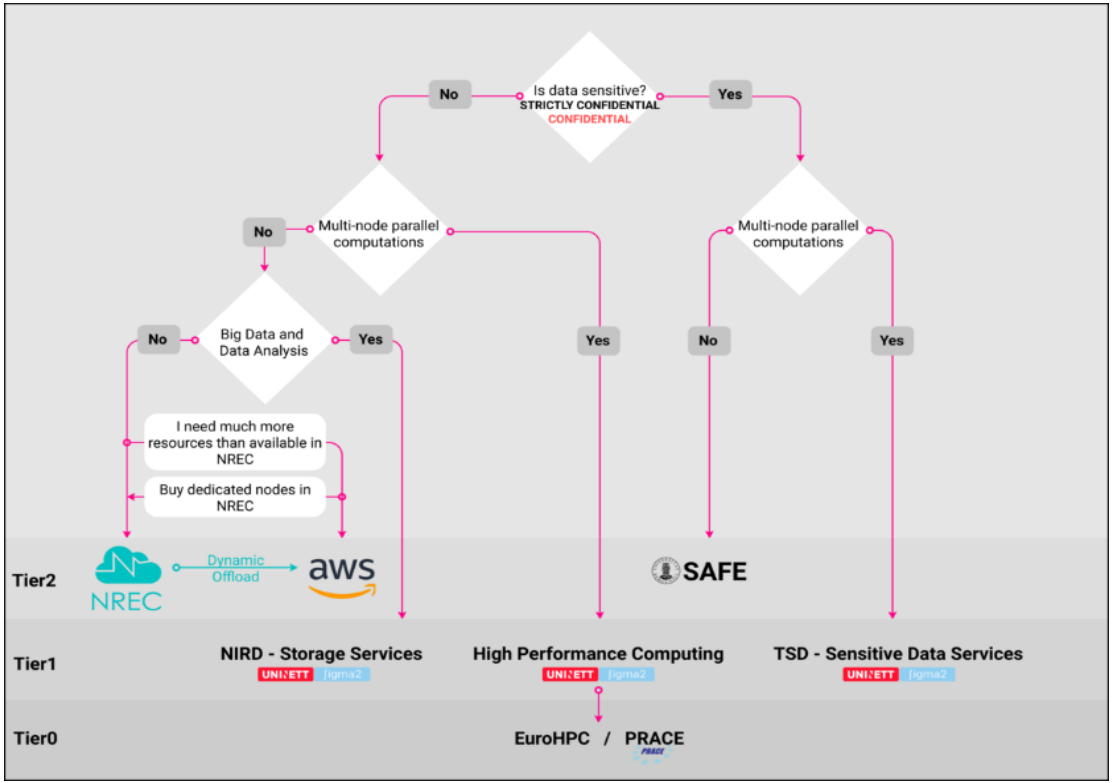
NeLS

Norwegian e-Infrastructure for Life Sciences

INES

https://www.sigma2.no/; https://www.sigma2.no/nird-service-platform

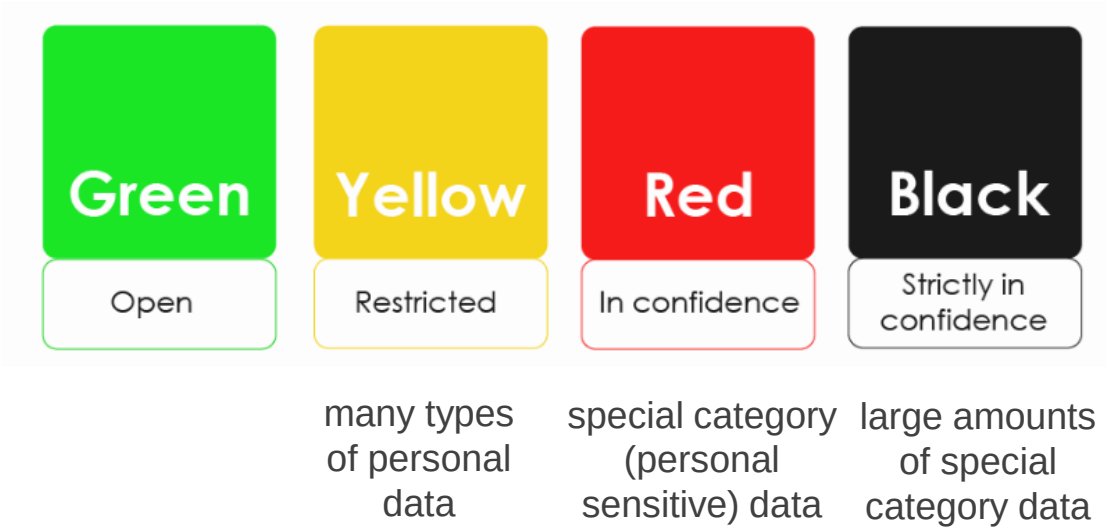
High-performance computing (HPC)



HPC training events: https://www.sigma2.no/training

https://wiki.uib.no/hpcdoc/index.php/Main_Page

How is **data security** and protection of sensitive data taken care of?



https://www.uib.no/lagring; https://www.uio.no/english/services/it/security/lsis/data-classes.html

Data description → Metadata & quality → Storage & Backup → Legal & ethical issues → Long-term preservation & sharing → Responsi-bilities & resources

How is **data security** and protection of sensitive data taken care of?

Green

Open

Yello

Restricte

many type
of person
data

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a

If you have sensitive data @UiB

SAFE

https://www.uib.no/safe

https://www.uib.no/lagring; https://www.uio.no/english/services/it/security/lsis/data-classes.html

What **legal/ethical issues** are there and how will they be taken into account? Which legislation is applicable?

- Processing of personal data, how will compliance with legislation and data security be ensured?
- How will intellectual property rights (IPR) and ownership be managed?
- What ethical issues and codes of conduct need to be considered?

Personal Data and Privacy Gateway (Personvernportalen)

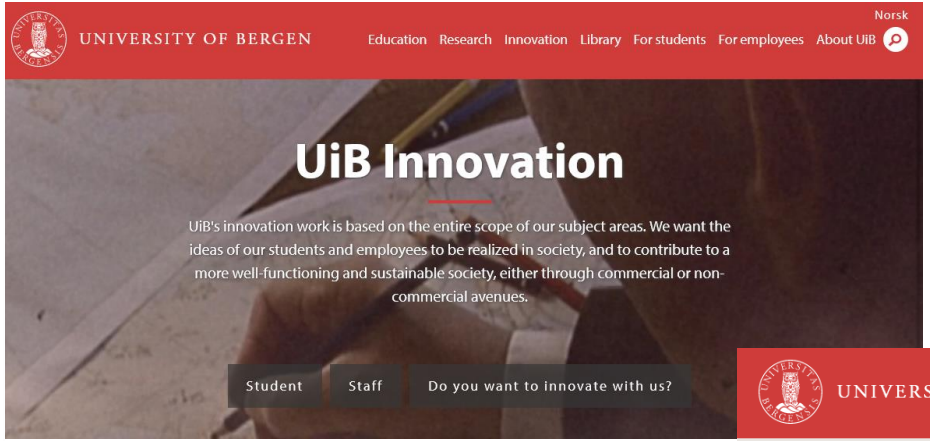
- UiB's data protection officer (Personvernombud): Janecke Veim

- Mandatory registration: RETTE

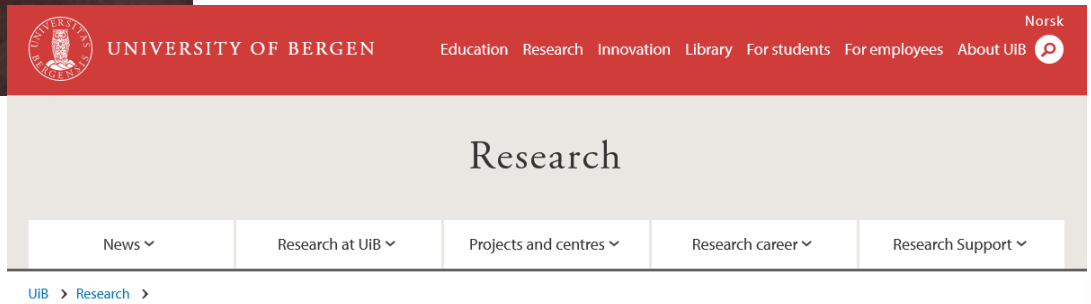
https://www.uib.no/en/personvernportalen [English: less information]

https://rette.app.uib.no/

Intellectual Property Rights (IPR)



https://www.uib.no/en/innovation



https://www.uib.no/en/research/74837/vis-innovation-and-commercialization

Which data **repository/archive** are you planning to submit to?

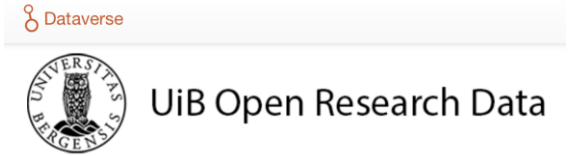
- Describe persistent identifiers, file formats, metadata standards, controlled vocabularies,... → compliance with **FAIR principles**

- Restrictions to data sharing? (information security, IPR,...)

Data repositories

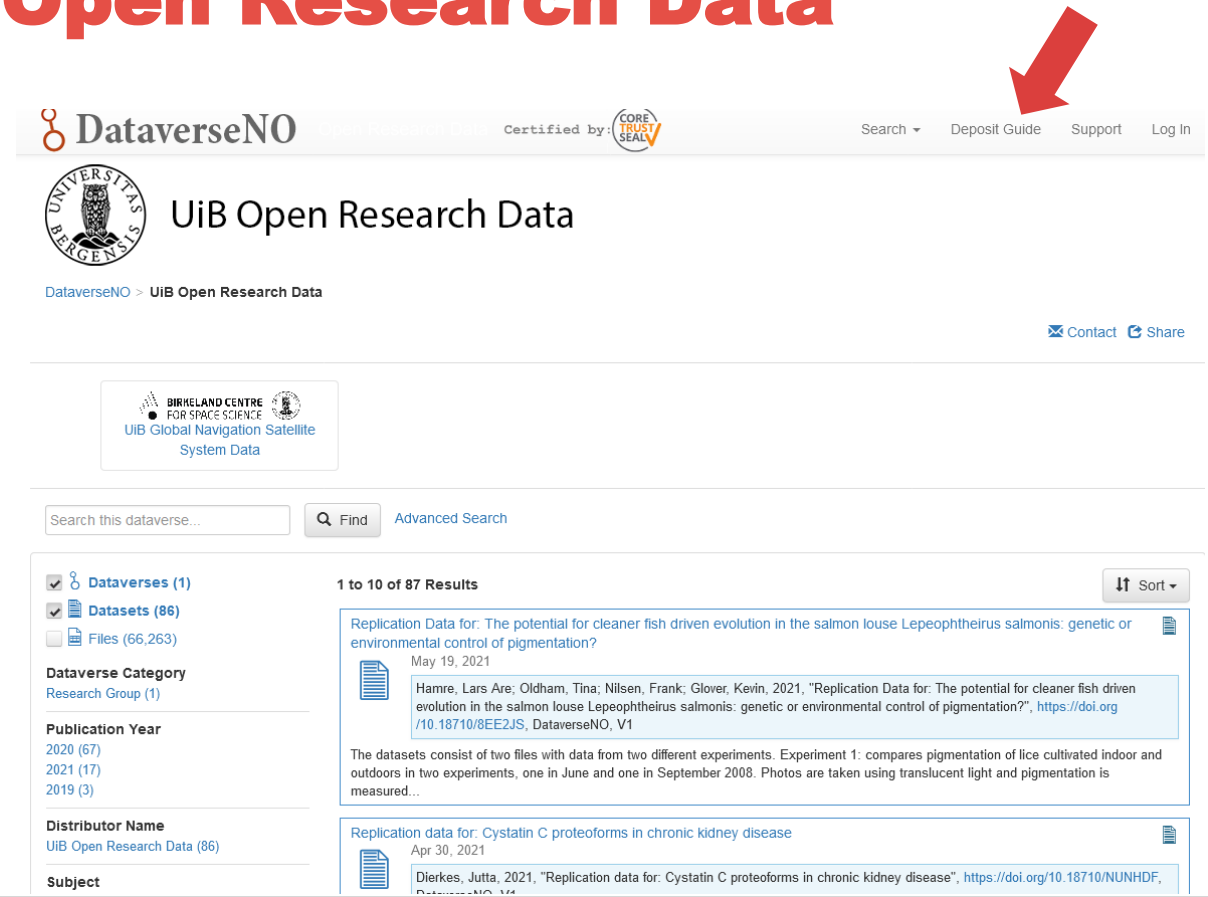
1. Community repository

2. Institutional repository



3. Multidisciplinary repository

UiB Open Research Data



https://dataverse.no/dataverse/uib; Sandbox: https://test.dataverse.no/dataverse/uib

Who will be **responsible** for data management?

- Consider to use controlled vocabulary for role definitions (e.g. DataCite Metadata Schema contributorType)

What **resources (cost & time)** will be allocated to data management and ensuring that data will be FAIR?

- Resources:
  Utrecht University – Costs of data management
  UK Data Service - Costing data management

Further resources

openscience.no
incl. event calendar

CESSDA Data Management
Expert Guide

PhD on Track -
Open Science

ELIXIR RDM Kit

Open courses autumn 2022

OPEN SCIENCE

Introduction to Data Management Plans (DMP)

OPEN SCIENCE

Data Management Plan WORKSHOP

19.08.[norw.], 30.09., 25.11.

OPEN SCIENCE

How can you make your research data open and FAIR?

02.09., 09.12.[norw.]

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Finding & reusing research data

11.11.

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Open access - step by step

16.09.

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Make your research visible using researcher profiles

14.10.

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OPEN ACCESS WEEK 2022

24.-28.10.

https://www.uib.no/en/ub/calendar

research-data@uib.no

@UiB_UB @DLabUiB @jennyostrop

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