Data Management Planning at UiB

University of Bergen Library
Jenny Ostrop
research-data@uib.no
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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

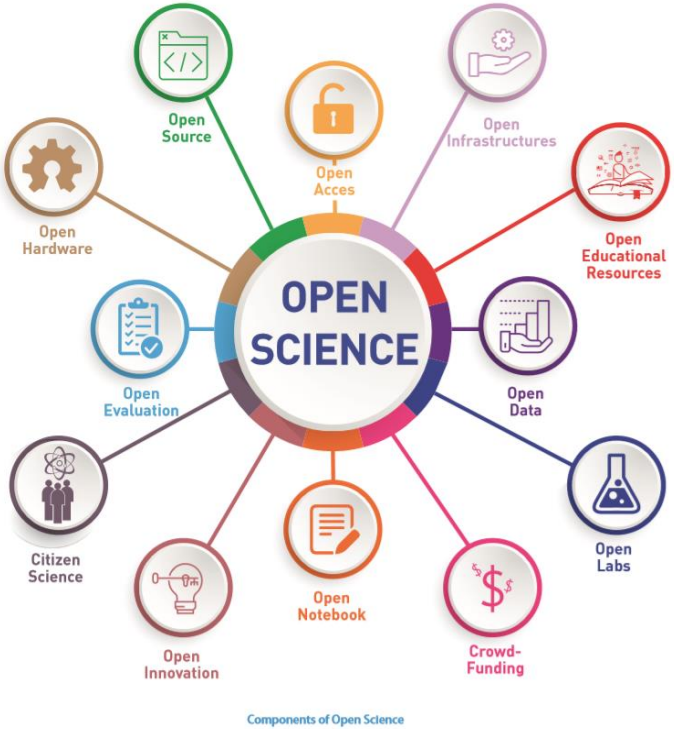
Openness, transparency, and knowledge exchange are core values for the University of Bergen. Technological changes and increased digitalization have created new opportunities for research, education, innovation, and artistic research.

Adopted by the University Board on September 24, 2020

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

UiB's policy for Open Science

"Both the EU and the Research Council of Norway have policies for open science and the Norwegian government has established guidelines for open access to research data and research articles which are preconditions for activities at UiB."

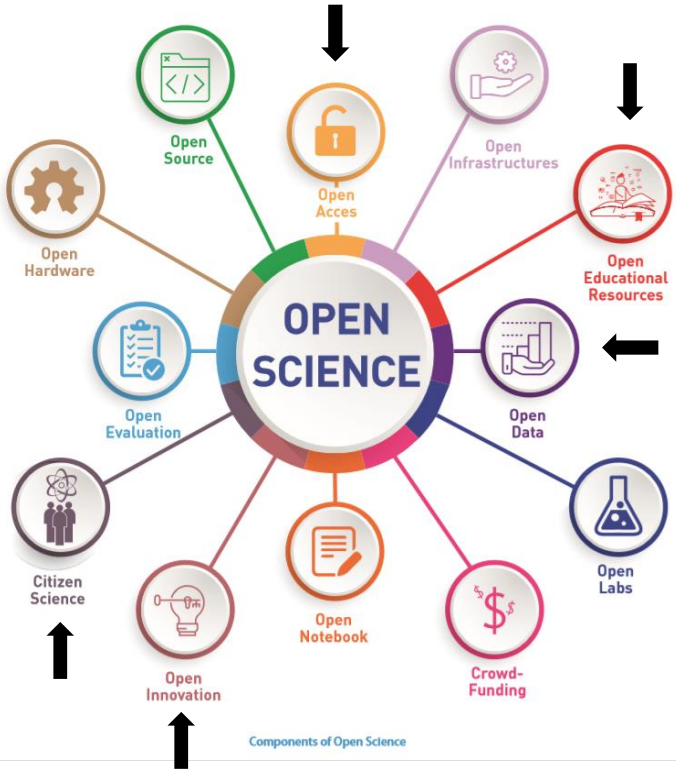


Source: https://en.unesco.org/sites/default/files/open_science_brochure_en.pdf

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

UiB's policy for Open Science

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



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UiB's policy for Open Science

"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

UiB's policy for Open Science

UiB has established the following principles for open access to research data:

(...)

- Researchers and students at UiB will have access to relevant training and guidance in research data management.
- All research projects lead by researchers at UiB will have a data management plan.

(...)

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

University Library Research Data Team

Kjersti H. Enerstvedt (PhD)
Senior Academic Librarian
Subject specialist for Earth Sciences and Technology
Kjersti.Enerstvedt@uib.no

Jenny Ostrop (PhD)
Senior Academic Librarian
Subject specialist for mathematics and computer science
Jenny.Ostrop@uib.no

Courses and guidance:

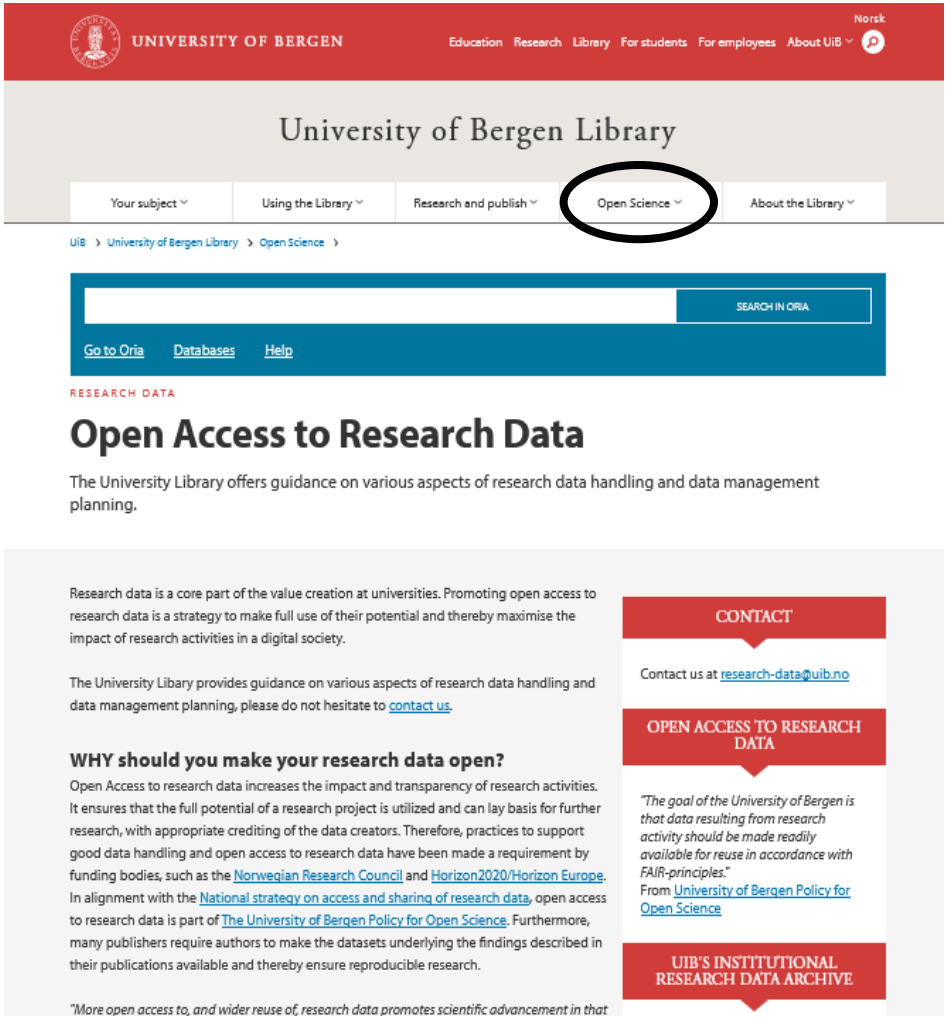
- Open Science
- Open Data: why, how and where?
- Data Management Plan
- UiB Open Research Data

More information on our web pages:

Open Access to Research data

Data Management Plans

Contact us: research-data@uib.no



https://www.uib.no/en/ub/111372/open-access-research-data

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University of Bergen Library

Your subject | Using the Library | Research and publish | Open Science | About the Library

UiB › University of Bergen Library › Research and publish ›

SEARCH IN ORIA

Go to Oria Databases Help

DATA MANAGEMENT

Data Management Plans

A data management plan or DMP is a formal document that outlines how data are to be collected and handled both during a research project, and after the project is completed

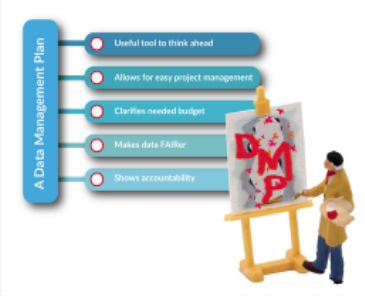

Photo: CESSDA ERIC

WHY do you have to write a Data Management Plan?

CONTACT

Contact us at: research-data@uib.no

COURSES

We offer open courses in Data Management every semester. If you want a course tailored for your department or research group, please contact us.

Upcoming courses:
Introduction to DMP (in Norwegian) (16.04.2021)
DMP for life science projects (21-22.04.2021)
DMP workshop (07.05.2021)

https://www.uib.no/en/ub/143694/data-management-plans

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

Science Europe – Practical Guide toe the International Alignment of Research Data Management

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

Resources at

UNIVERSITAS BERGENSIS

Science Europe – Practical Guide toe the International Alignment of Research Data Management

Data description

Metadata & quality

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Science Europe – Practical Guide toe the International Alignment of Research Data Management

Storage of data & metadata

- Storage of data & metadata: use managed storage with automatic backup
- NOT: laptops, stand-alone hard drives, USB sticks etc.

File storage at UiB IT

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

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

- Contact via UiBhjelp

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

Large datasets (TB range)

Sigma2 & NIRD

subject-specific platforms
(storage based on NIRD)

NeLS

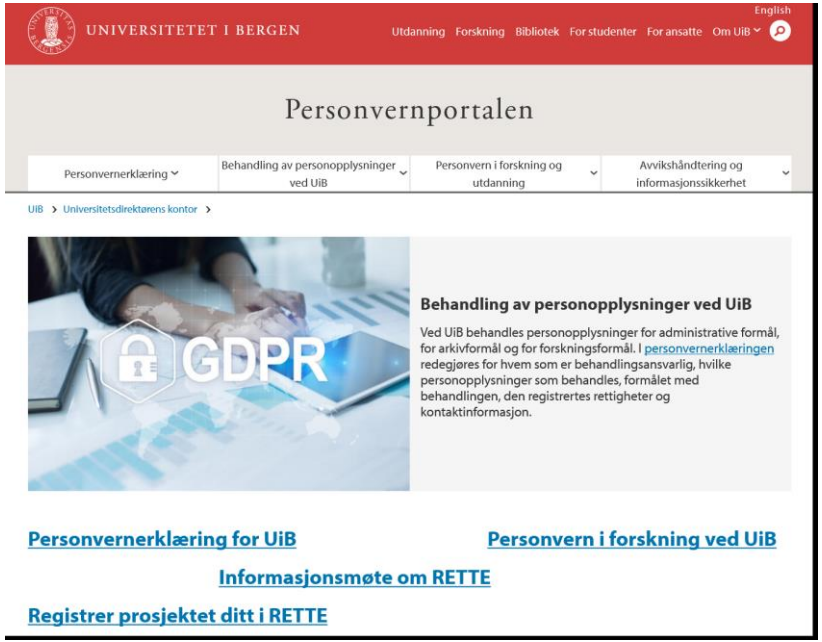
Norwegian e-Infrastructure for Life Sciences

INES

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

Personal (sensitive) data

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



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

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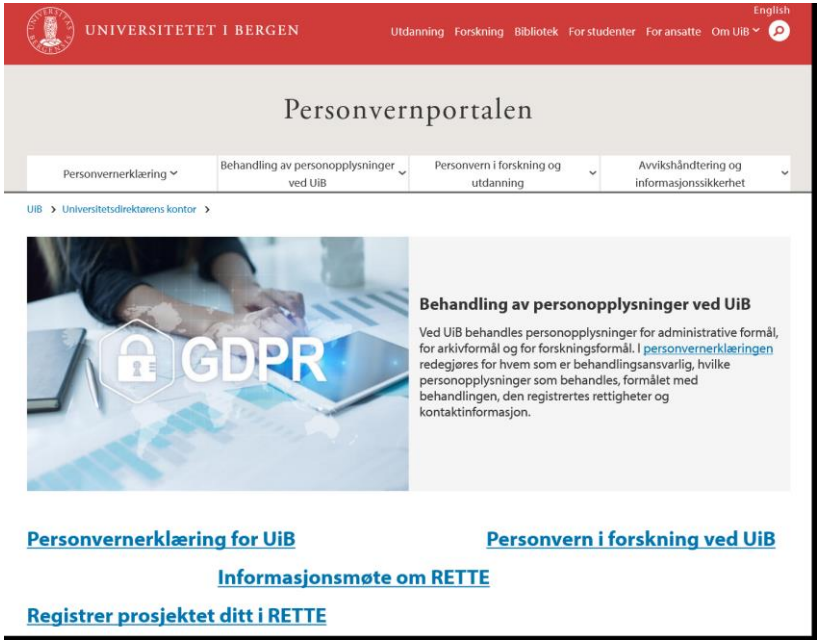

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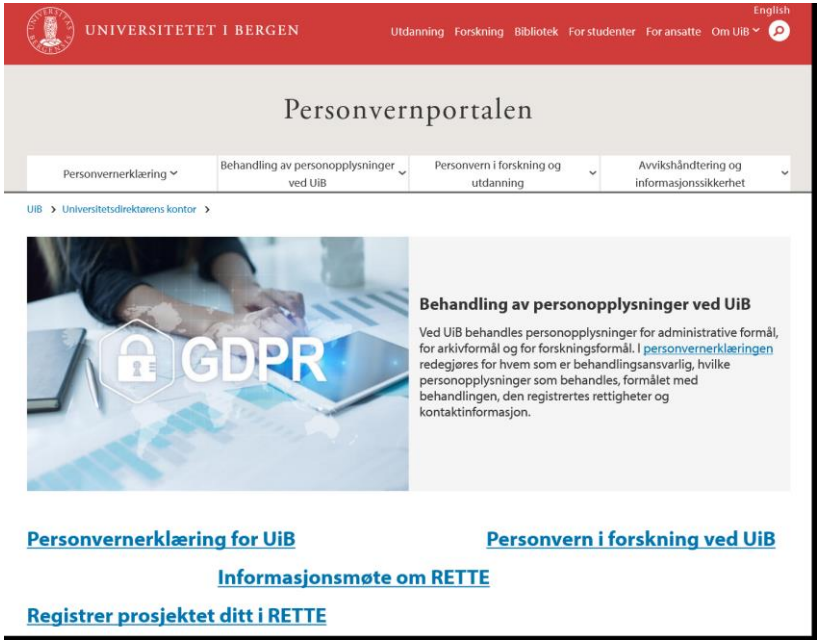

https://www.uib.no/safe

https://www.uio.no/english/services/it/research/sensitive-data/

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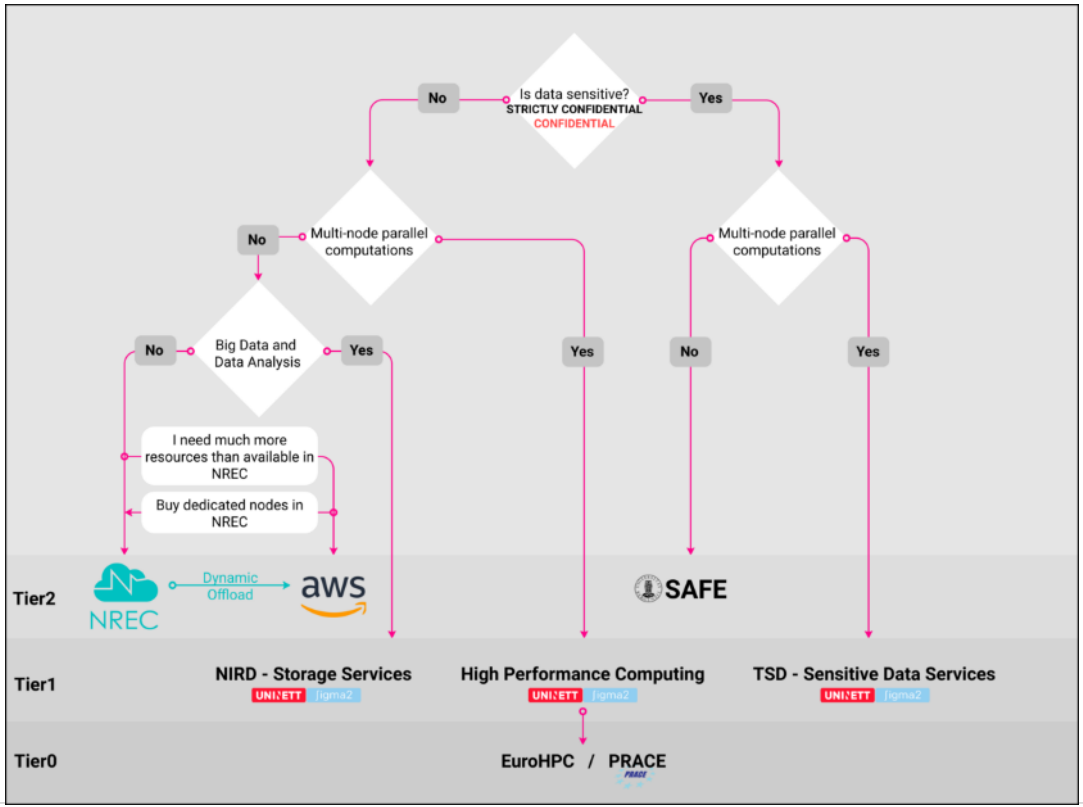
High-performance computing (HPC)



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

Data description

Metadata & data quality

Storage & Backup

Legal & ethical issues

Responsi-bilities & resources

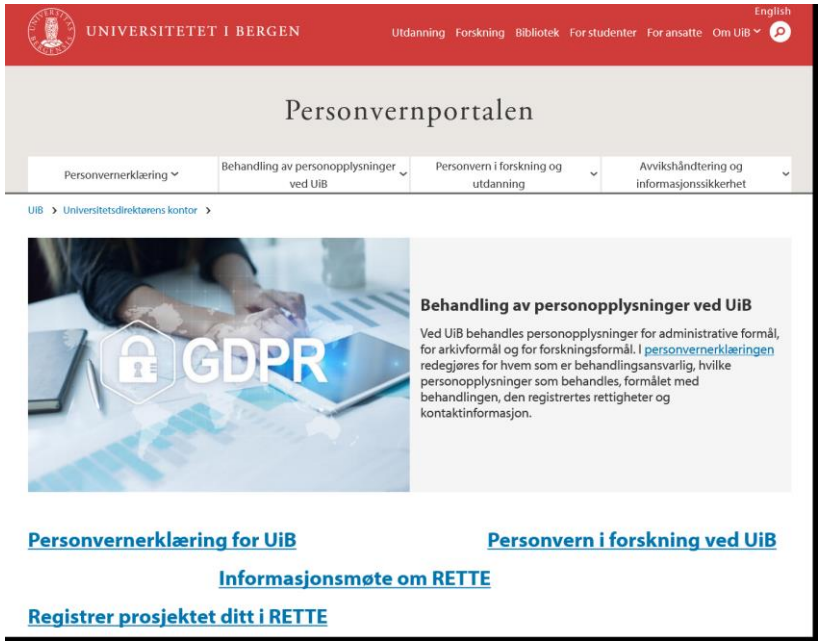
Long-term preservation & sharing

Science Europe – Practical Guide toe the International Alignment of Research Data Management

Legal and ethical requirements

- Personal/personal sensitive data?
- Intellectual property rights (IPR)?

Personal Data and Privacy Gateway (Personvernportalen)



- UiB's data protection officer (Personvernombud): Janecke Veim Janecke.Veim@uib.no
- Helse Bergen: Christer Kleppe personvernombudet@helse-bergen.no

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

Projects with personal (sensitive) data at UiB must be registered in RETTE

- projects with REK approval
- projects evaluated by NSD
- self-completed project information

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

Intellectual Property Rights (IPR)

- Division of Research and Innovation (Forsknings- og innovasjonsavdelingen, FIA)

https://www.uib.no/fia/137353/seksjon-innovasjon [only in Norwegian]

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Science Europe – Practical Guide toe the International Alignment of Research Data Management

Responsibilities and resources

- Who is responsible?
- Required resources (financial/time)?

Responsibilities

- Consider to use controlled vocabulary for role definitions
- e.g. DataCite Metadata Schema contributorType (7.1): Contact Person, Project Manager, Project Leader, Data Manager, Data Collector, Data Curator, Data Steward, Core Facility Staff, Research Group, Work Package Leader, Hosting Institution...

https://schema.datacite.org/meta/kernel-4.1/doc/DataCite-MetadataKernel_v4.1.pdf

Budgeting

- Should be part of the research application, further specified in the DMP
- Archiving data saves costs for long-term data storage
- Good data management takes time: consider personnel!

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

Data description

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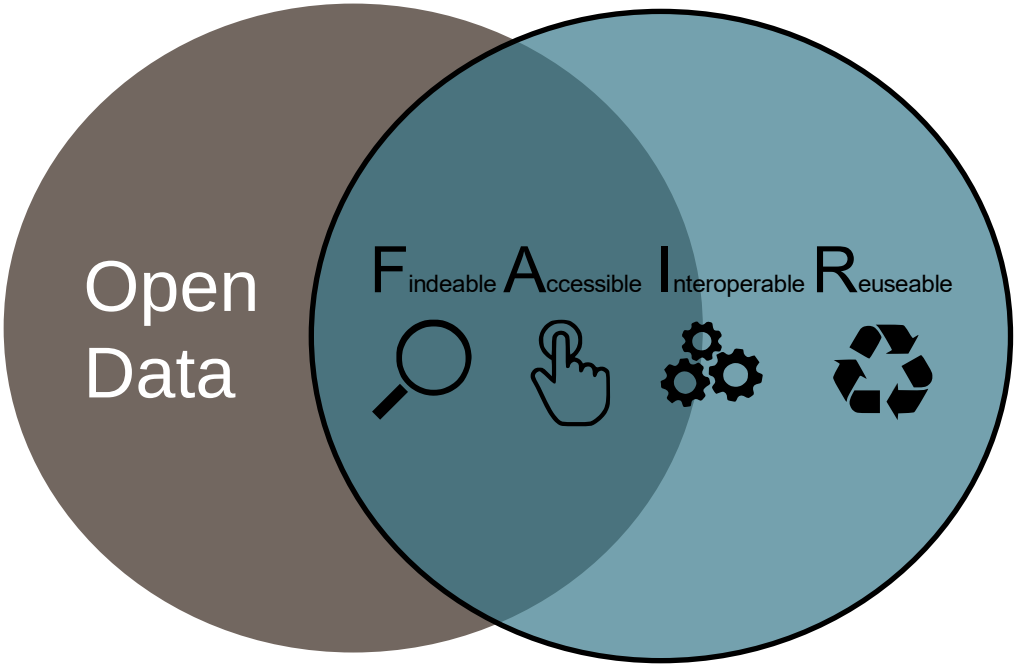
Open data and FAIR data

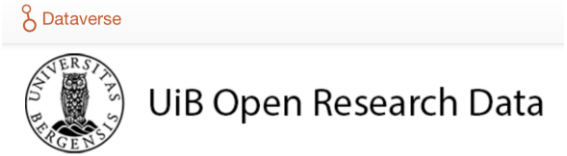


“As open as possible – as closed as necessary”

Data repositories

1. Community repository

2. Institutional repository



3. Multidisciplinary repository

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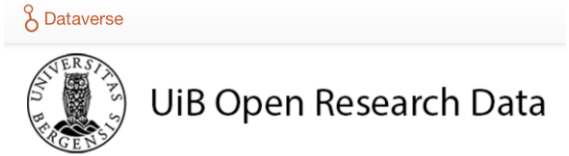
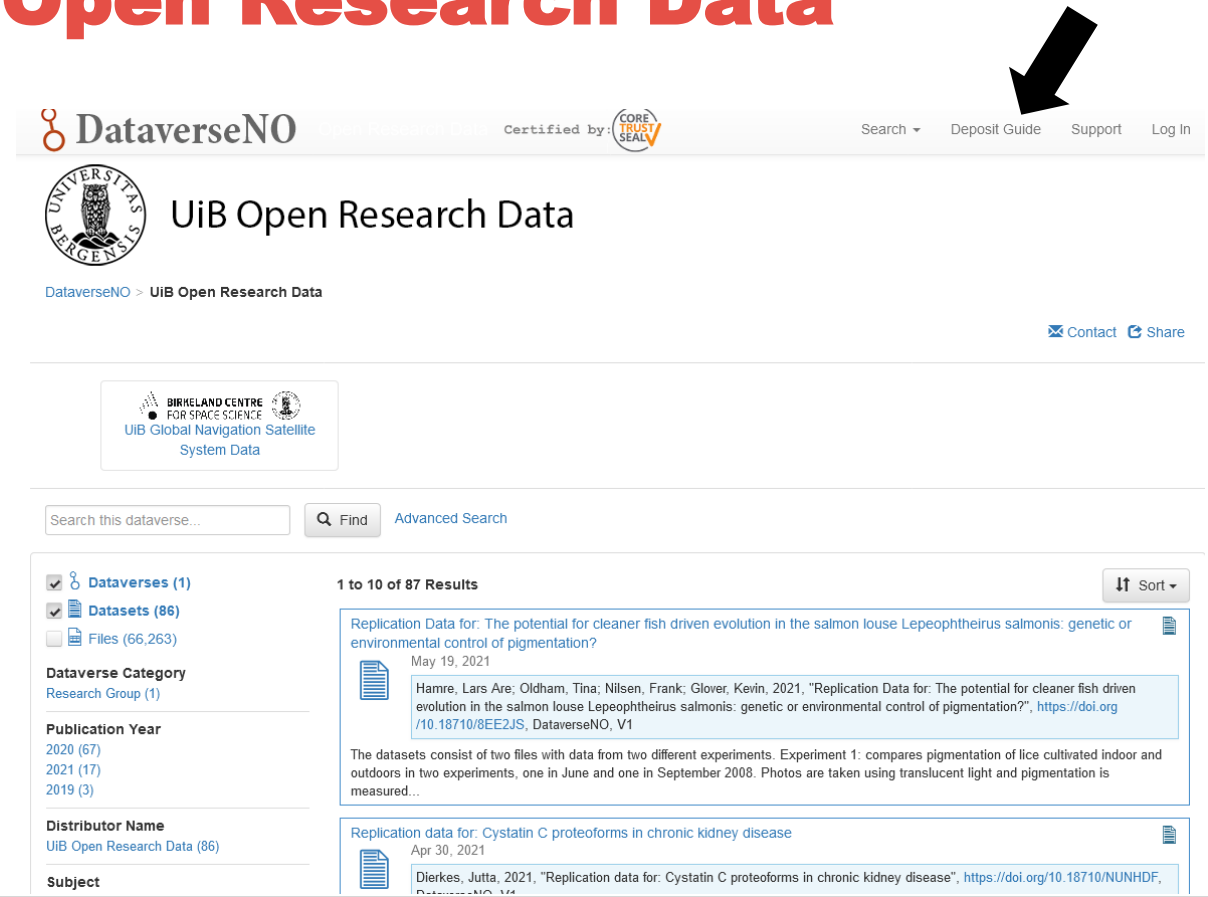


3. Multidisciplinary repository

UiB Open Research Data



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

research-data@uib.no

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