

UNIVERSITY OF OSLO

Open research practices

Agata Bochynska, PhD

Matthew Good, PhD

Digital Scholarship Center, University of Oslo Library

digitalscholarship@ub.uio.no



Assessment of open science in grant applications

From 2023, open research will be incorporated into the assessment criteria for Researcher Projects and Collaborative and Knowledge-building Projects on open science practice. Here we explain how you can best respond to these assessment criteria when applying for funding.

Through the panel assessment of grant applications, the referees determine how well the grant applications satisfy the various assessment criteria. The assessment of what constitutes good and appropriate open science practice will be made by experts in the various subject areas. The referees often have experience from Horizon Europe and are used to assessing open research in grant applications on the basis of their subject areas.

The referees are to assess open science practice through two subsections of the criterion 'Impact':

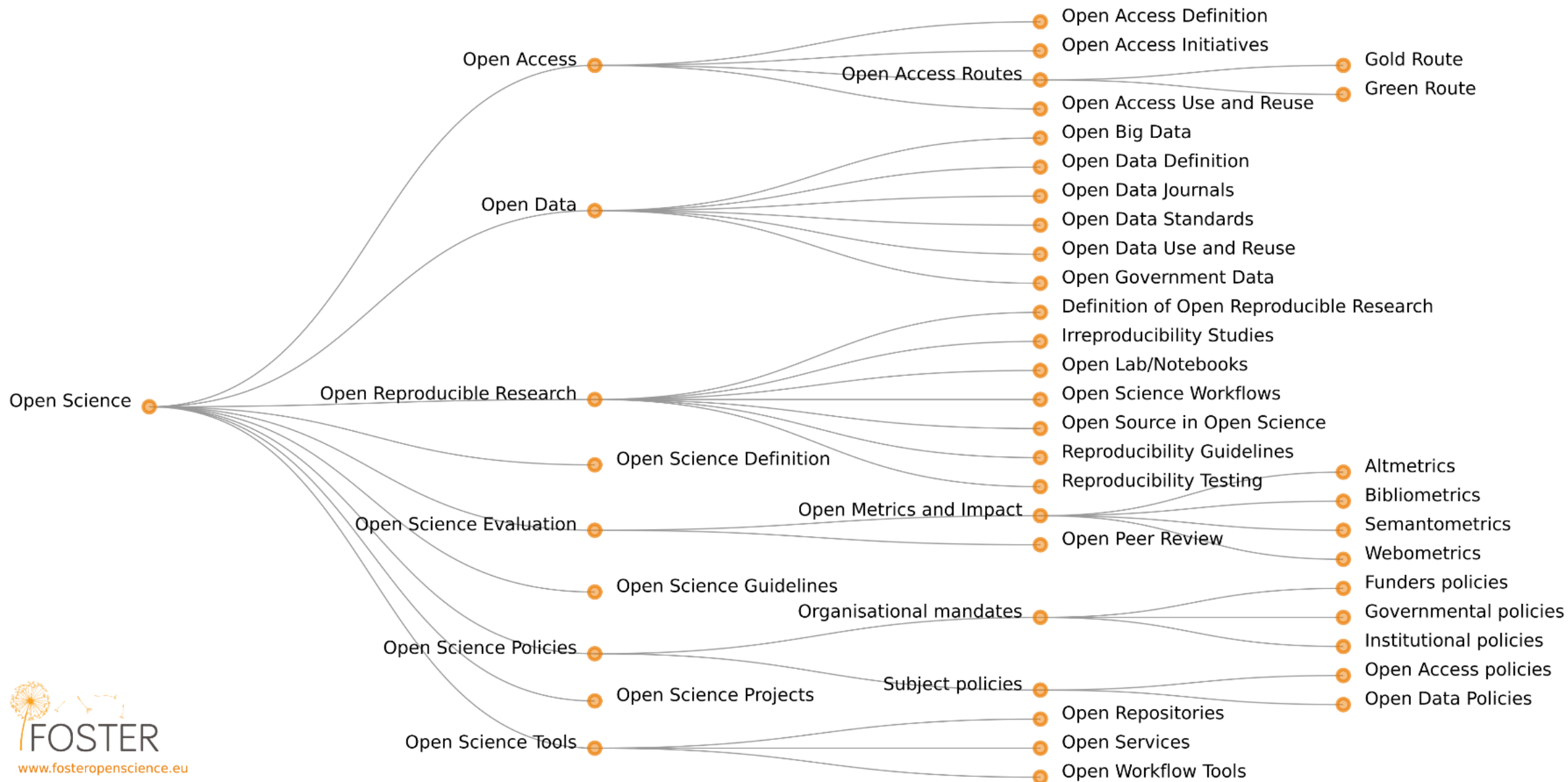
- [potential impact of the proposed research](#)
- [communication and exploitation](#)



Open Science

reproducibility
FAIR research data
pre-registration
preprints
open access to software
reproducible workflows
open access to workflows
sharing of research tools

Open Science Taxonomy



Open research plans



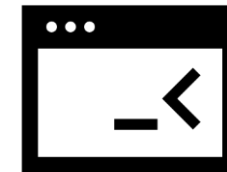
Open materials



Open data



Open analyses



Open publishing



As open as possible,
as closed as necessary

Open research plans



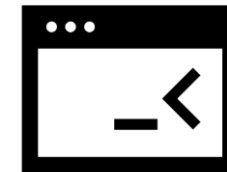
Open materials



Open data



Open analyses



Open publishing



Open research plans



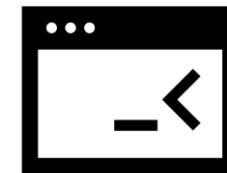
Open materials



Open data



Open analyses



Open publishing



Open research plans



Preregistration

Specifying the **research design, hypotheses/research questions, and/or analysis plan** prior to observing the outcomes of a study.

Typically in a form of a time-stamped, frozen document made available on an online platform (or submitted to a journal as a **Registered Report**)

Open Science Framework



 Search registrations...

[See an example](#)

Open research plans



Open materials



Open data



Open analyses



Open publishing



Open research plans



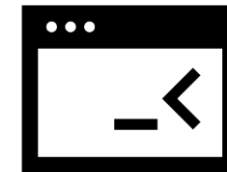
Open materials



Open data



Open analyses



Open publishing



Open data and materials



- Upload on your personal/lab/institutional website
- Upload in a general online repository



Open Science Framework



Open data and materials



- Upload on your personal/lab/institutional website
- Upload in a general online repository
- Upload in a discipline-specific repository



Open data and materials



- Upload on your personal/lab/institutional website
- Upload in a general online repository
- Upload in a discipline-specific repository
- Upload in an institutional repository (DataverseNO at UiO)



Open data and materials



- Upload on your personal/lab/institutional website
- Upload in a general online repository
- Upload in a discipline-specific repository
- Upload in an institutional repository (DataverseNO at UiO)
- Submit as a Data Paper

Research Data Policy

Research data at the University of Oslo shall:

be made **openly available** for further usage

be made available at an **early stage**

have a **data management plan**

have **metadata** and be **documented**

must be securely **archived**

have **licenses** for access, reuse and redistribution

made **freely available**

(but the actual distribution cost should be covered)



F
Findable



A
Accessible



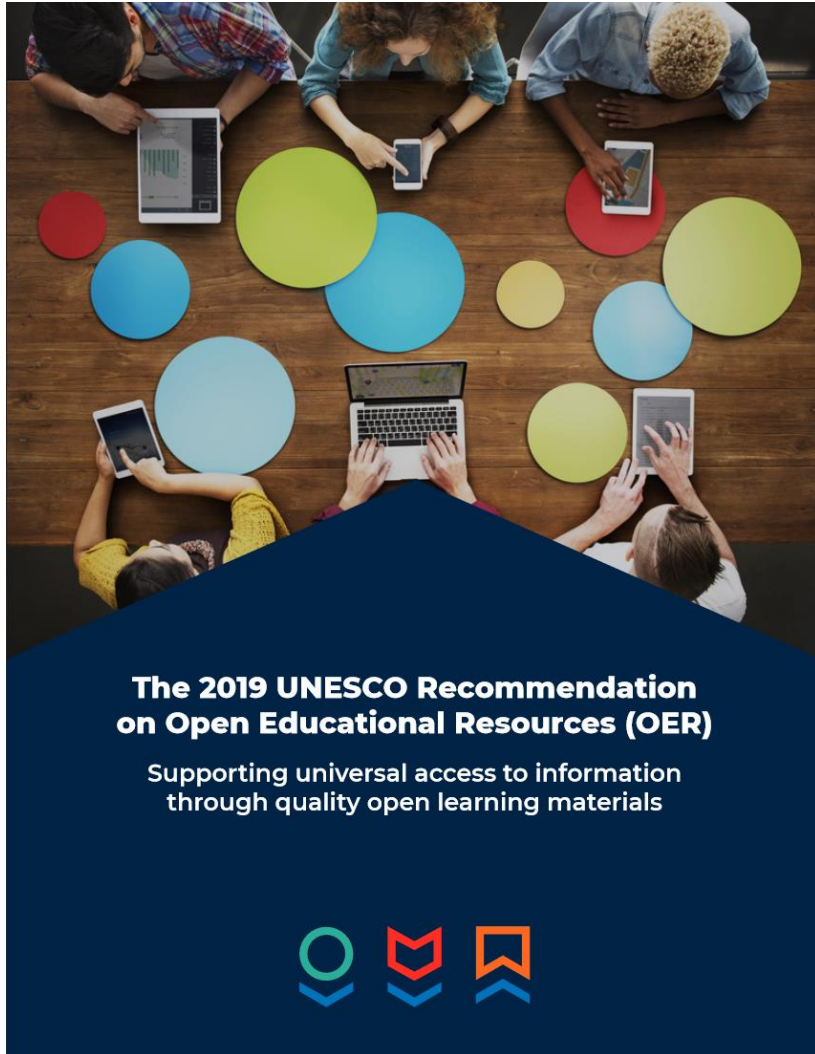
I
Interoperable



R
Reusable



Open Educational Resources (OER)



Open Educational Resources (OER) are **learning, teaching** and **research materials** in any format and medium that reside in the public domain or are under copyright that have been released under an open license, that permit **no-cost access, re-use, re-purpose, adaptation** and **redistribution** by others.

Open research plans



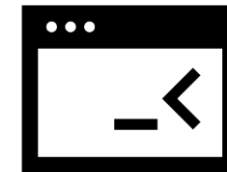
Open materials



Open data



Open analyses



Open publishing



Open research plans



Open materials



Open data



Open analyses



Open publishing



Quantitative studies

sharing analyses code/script

Qualitative studies

sharing the step-by-step analysis or reasoning process

**Open methods, data and
analyses are essential for
reproducibility**

Quantitative studies

computational reproducibility
(obtaining the same numerical result)

Qualitative studies

process transparency
(arriving at the same observational result)

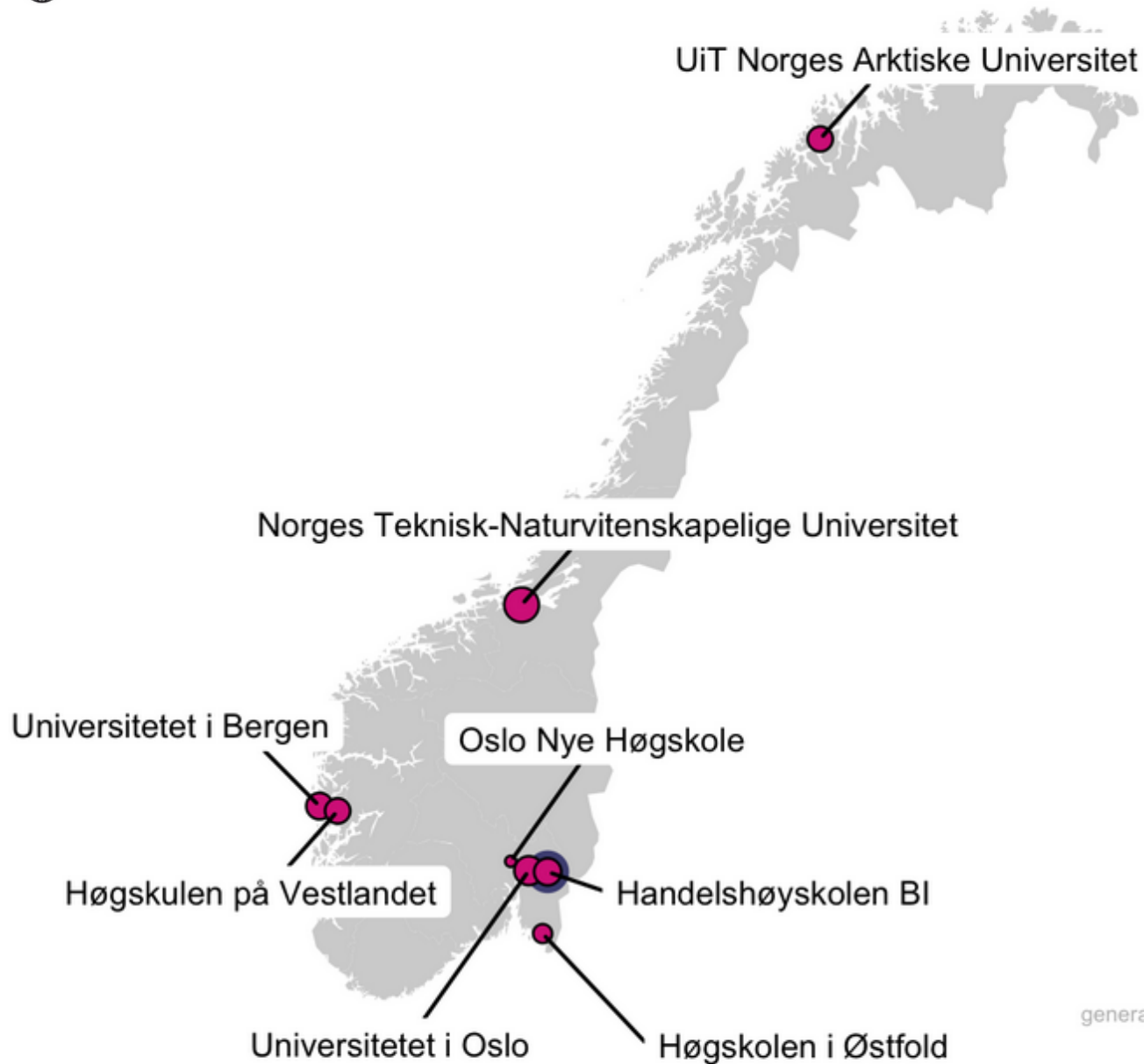
Welcome to Norway's Reproducibility Network

Towards open & reproducible science

JOIN US

Our Mission

The Norwegian Reproducibility Network (NORRN) is a peer-led network that aims **to promote and enable rigorous, robust and transparent research practices in Norway**. We attempt to achieve this goal by establishing appropriate training activities, designing, and evaluating research improvement efforts, disseminating best practices, and working with stakeholders to ensure coordination of efforts across the sector. NORRN's activities span multiple levels, including researchers, librarians, institutions, and other stakeholders (e.g., funders and public authorities).



generated on 2022-10-22

Local nodes



Tamara Kalandadze
Høgskolen i Østfold



Lewend Mayiwar
Handelshøyskolen BI, Oslo



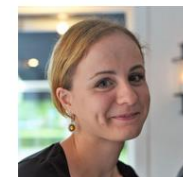
Max Korbmacher
Høgskulen på Vestlandet



Ane Møller Gabrielsen
Norges Teknisk-Naturvitenskapelige Universitet



Sebastian Bjørkheim
Universitetet i Bergen



Agata Bochynska
Universitetet i Oslo



Aili Sarre
UiT Norges Arktiske Universitet



Peder Isager
Oslo Nye Høgskole



Open research plans



Open materials



Open data



Open analyses



Open publishing



Open research plans



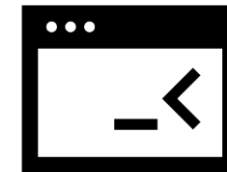
Open materials



Open data



Open analyses



Open publishing



Open Access Policy

The following applies to peer-reviewed scientific articles:

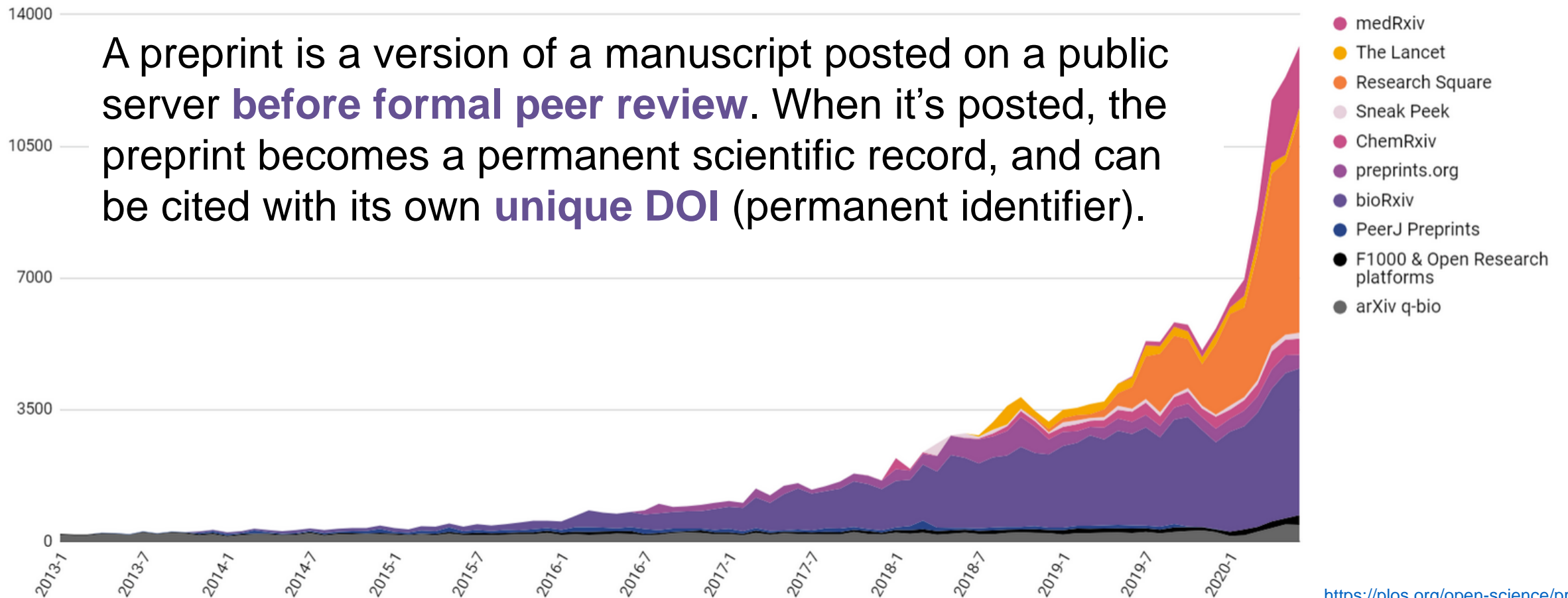
- 1) Mandatory **institutional archiving** of all peer-reviewed articles in UiO's institutional repository
- 2) Making scientific articles deposited into the institutional repository **openly available**
- 3) Choosing where to publish: UiO recommends that all employees select **journals** that allow the article to be openly available



Preprints

Biomedical preprints per month through 2020-06

Sources: Jordan Anaya (PrePubMed), Naomi Penfold, EuropePMC, arXiv, Crossref, SSRN



Open Access

[Norwegian version of this page](#)

Open Access

- [Self-archiving](#)
- [Plan S](#)
- [Publishing deals and discounts](#)
- [Publish Open Access](#)



It is the University of Oslo's goal that research results shall be openly available to individuals, the public sector, trade and industry, and the global research community.

[Publishing Open Access?](#) →

How do I publish Open Access, and how do I avoid fraud?

[Requirements for Open Access](#) →

Open Access requirements from University of Oslo, Plan S / Research Council of Norway, EU and the Government.

[Open Access-agreements](#) →

UiOs deals and discounts for Open Access publishing.

[Research Data Management](#) →

The UiO policy and guidelines. Help and advice on managing research data.

[Self-archiving](#) →

How to self-archive in DUO research archive via Cristin. Information on self archiving and other archives.

[About Open Access](#) →

What is Open Access? Which advantages does it give you? The paths to Open Access.

[Norwegian version of this page](#)

Digital Scholarship Centre

At the Digital Scholarship Centre (DSC) you get guidance on how you can make the best possible use of digital tools and methods in your research and communication activities.

Open Access →

Information about open access publishing, publisher agreements, self-archiving, requirements, and guidelines.

Open and reproducible research →

Make your research more transparent and reproducible.

Research Data Management →

Managing your data both during and after a research project.

Text-mining →

Information about digital tools for searching, mining, and analysing textual data.

Systematic search →

Information about systematic literature searching, how to get started, and how to get help.

Visualisation →

Use of visual methods to explore, communicate and understand data.

Carpentry@UiO →

Offers workshops in foundational digital skills such as coding and data management.

Reference management →

Styles, tools, and information on reference management.

Open and reproducible research

Learn about how to make your research more open and reproducible and get involved in initiatives and communities that are interested in sharing and improving research at UiO.

More and more researchers and students across disciplines are implementing open research practices, preregistering their hypotheses, methods, and analysis plans and sharing research materials, data and analysis scripts. Digital Scholarship Center can help you learn about and implement these practices in your own research as well as advise on the policies and requirements from funders.

Open Science Lunch →

Every last Thursday of the month we meet at noon to discuss topics related to open research.

ReproducibiliTea@UiO →

Join us for a Journal Club where we read and discuss papers on open research and meta-science.

Norwegian Reproducibility Network →

Join a broader community that aims to promote and enable rigorous, robust and transparent research practices in Norway

Courses and workshops →

Click here for the list of upcoming and previous courses and workshops on open and reproducible research at UiO.

Subscribe to Digital Scholarship Center newsletter to get information about our courses regularly:

<https://sympa.uio.no/ub.uio.no/subscribe/dsc-news/subscribe>

Open Science Lunch

Each last Thursday of the month at 12:00 we invite you to join us for a lunch seminar to hear about how to make your research more open. We will discuss research transparency and visibility, open publishing, data sharing, and more!

Upcoming



Time and place: Feb. 23, 2023 12:00 PM–1:00 PM, Hybrid: Georg Sverdrups hus and Zoom

Open your data with DataverseNO

Learn about DataverseNO - a new institutional data archive for open data at UiO.



Time and place: Mar. 30, 2023 12:00 PM–1:00 PM, Hybrid: Georg Sverdrups hus and Zoom

Public health reporting: an open source approach

Join us for a discussion on how open source tools can enable automated, reproducible and scalable public health reporting.



Time and place: Apr. 27, 2023 12:00 PM–1:00 PM, Hybrid: Georg Sverdrups hus and Zoom

Open knowledge resources: Store norske leksikon and Wikipedia

Join us for a discussion on using, maintaining and contributing to freely available open knowledge resources.



Time and place: May 25, 2023 12:00 PM–1:00 PM, Hybrid: Georg Sverdrups hus and Zoom

Keep the rights to your work: UiO's Rights Retention Policy

Learn about how you can retain the rights to your published work with the new Rights Retention Policy at UiO.

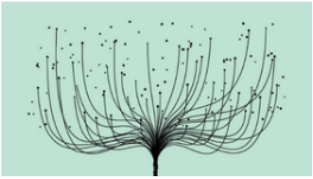
Open and reproducible research



Time and place: Feb. 3, 2023 10:00 AM–11:30 AM, Zoom

Introduction to open and reproducible research

Learn about what open research is and how to make your own research more transparent and reproducible.



Time and place: Feb. 6, 2023 10:00 AM–11:30 AM, Zoom

Preregistration of research studies

Learn about what preregistration is and how to preregister your own studies.



Time and place: Feb. 8, 2023 10:00 AM–11:30 AM, Zoom

Preregistration on Open Science Framework (OSF)

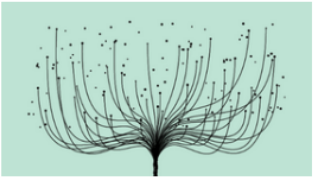
Learn about how to preregister your study on Open Science Framework (OSF) and how to navigate the platform.



Time and place: Feb. 13, 2023 10:00 AM–11:30 AM, Zoom

Reproducible research workflows

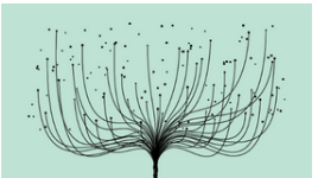
Learn about tools and practices for more reproducible and effective research.



Time and place: Feb. 27, 2023 1:00 PM–2:30 PM, Zoom

Open Access publishing

Learn about Open Access and how can you choose the best way to publish your results openly.



Time and place: Mar. 3, 2023 9:00 AM–10:30 AM, Zoom

Researcher visibility

Learn about different tools, platforms and services to share your research and other contributions, and how you utilise them to make yourself and your work more visible to the academic community and the society at large.

<https://www.ub.uio.no/english/courses-events/courses/other/research-reproducibility/>

Research data management and sharing

Introduction to research data management

Apr. 12, 9:00 AM, Zoom

Data management planning

Apr. 14, 9:00 AM, Zoom

Data organization, metadata, and documentation

Apr. 19, 9:00 AM, Zoom

Data classification and storage selection

Apr. 21, 9:00 AM, Zoom

Copyright and licensing

Apr. 21, 1:00 PM, Zoom

Sharing and archiving research data

Apr. 26, 9:00 AM, Zoom

Finding and reusing research data

Apr. 27, 9:00 AM, Zoom

<https://www.ub.uio.no/english/courses-events/courses/other/research-data/>

[Norwegian version of this page](#)

Digital Scholarship Centre

At the Digital Scholarship Centre (DSC) you get guidance on how you can make the best possible use of digital tools and methods in your research and communication activities.

Open Access →

Information about open access publishing, publisher agreements, self-archiving, requirements, and guidelines.

Open and reproducible research →

Make your research more transparent and reproducible.

Research Data Management →

Managing your data both during and after a research project.

Text-mining →

Information about digital tools for searching, mining, and analysing textual data.

Systematic search →

Information about systematic literature searching, how to get started, and how to get help.

Visualisation →

Use of visual methods to explore, communicate and understand data.

Carpentry@UiO →

Offers workshops in foundational digital skills such as coding and data management.

Reference management →

Styles, tools, and information on reference management.

For employees

Search in For employees

Search

☰ All content

< [Research support](#)

Research data management

[Norwegian](#)

Welcome to UiO's data management pages maintained by the research data group at [Digital Scholarship Center](#).

[Data management plans \(DMPs\)](#) >

[Data classification and storage](#) >

[Data organization](#) >

[Data documentation and metadata](#) >

[Data sharing and publishing](#) >

[Finding and reusing data](#) >

Thank you!

Questions?

Contact us at:
digitalscholarship@ub.uio.no

Agata Bochynska, PhD
Matthew Good, PhD

Open Research and Digital Scholarship Center
University of Oslo Library