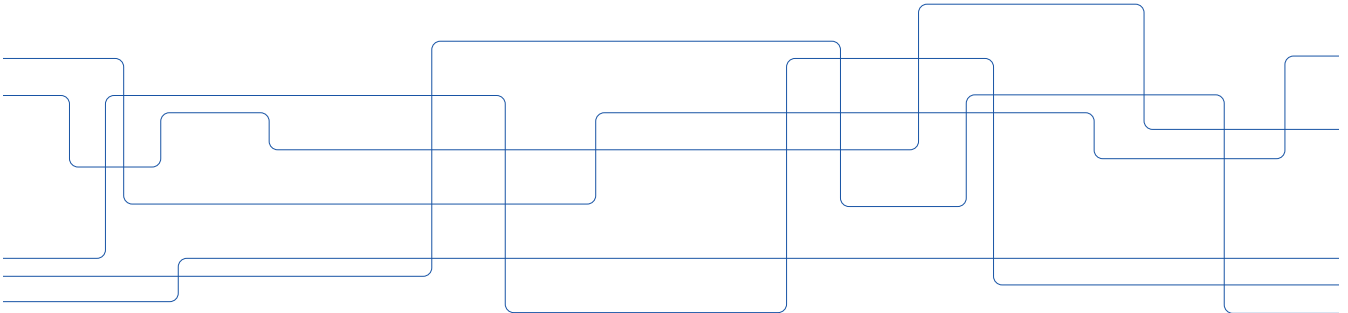




Navigating the landscape of Open Access and Open Data (FAIR data)

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KTH Library





Agenda

- Open Access and the publishing landscape
- Open data vs FAIR data





Open Access and the publishing landscape



What's happening right now?

- Plan S requires that, from 2021, scientific publications that result from research funded by public grants must be published in compliant Open Access journals or platforms
- National agreement with Elsevier has not been renewed

Pay to Read \$



Pay to Publish \$ \$



? New license agreement models

www.kth.se/en/biblioteket/publicera-analysera



Support at KTH around OA:

As long as there is no new agreement with Elsevier, the KTH Library covers the cost for OA publishing in Open Access journals

Read more here:

<https://www.kth.se/en/biblioteket/publicera-analysera/vagledning-for-publicering/open-access-avtal-for-kth-forskare-1.859196>

A get-it-now service to access newer Elsevier articles available at kth.se/kthb

Contact for more info:
library@kth.se





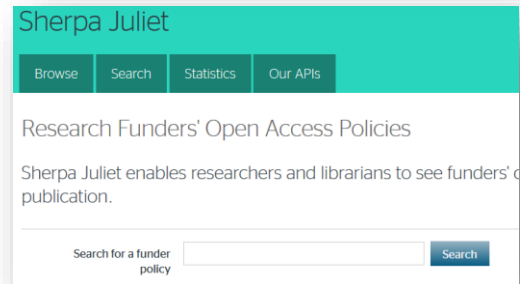
Navigating the OA alternatives

Find reliable
OA journals
doaj.org

Find publishers' policies
v2.sherpa.ac.uk/romeo

Find funding agencies'
requirements for OA
v2.sherpa.ac.uk/juliet/

DOAJ DIRECTORY OF
OPEN ACCESS
JOURNALS

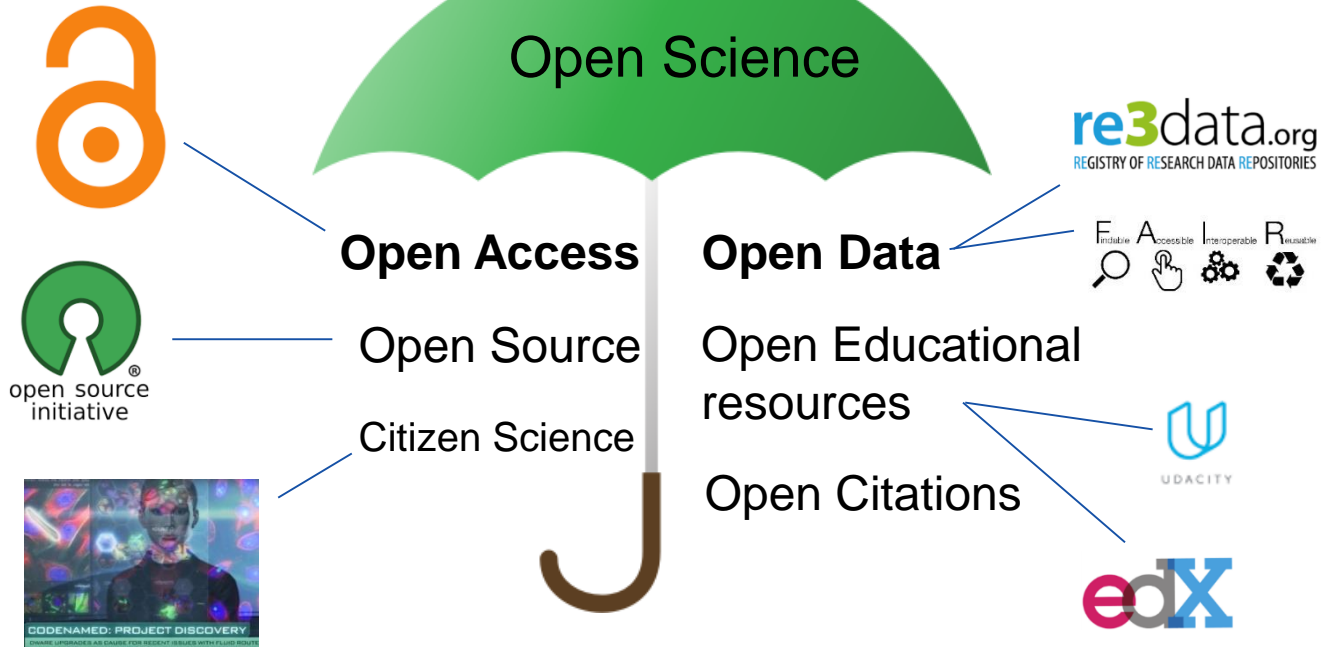




Open data vs FAIR data



Open Science - more than open access publishing





Why open data?



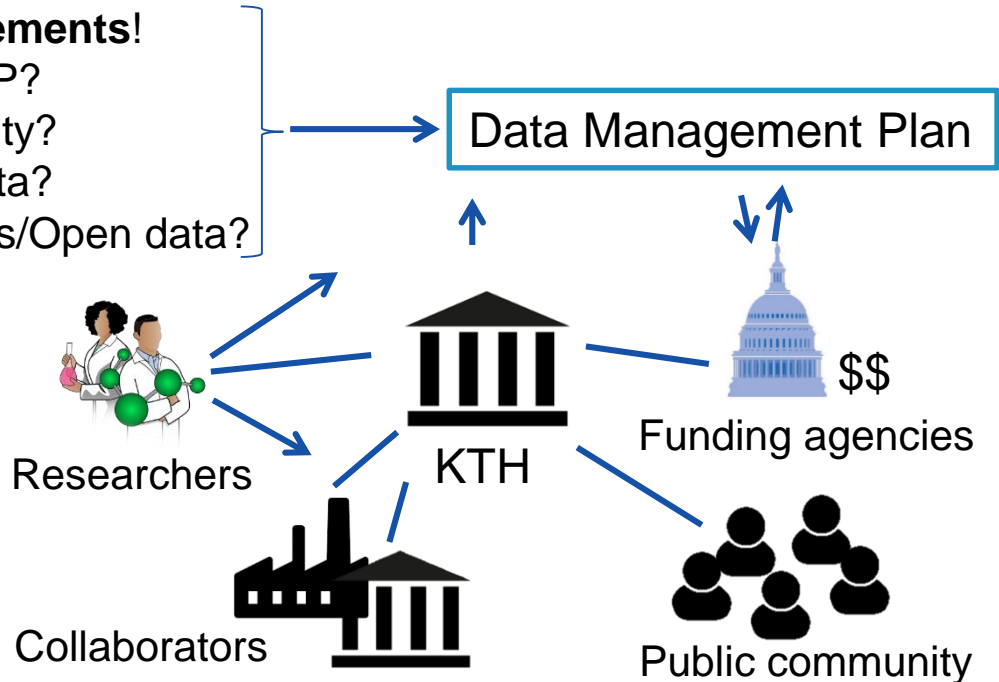
- Research data can be re-used by the scientific community
 - Advancing science and innovation forward
 - Transparency / reproducibility in the research process
 - Makes it possible to cite your data
 - Many funding agencies promote open data
 - Also many publishers require data publication
 - Your data is stored, organized and accessible
-

”As open as possible, as closed as necessary”

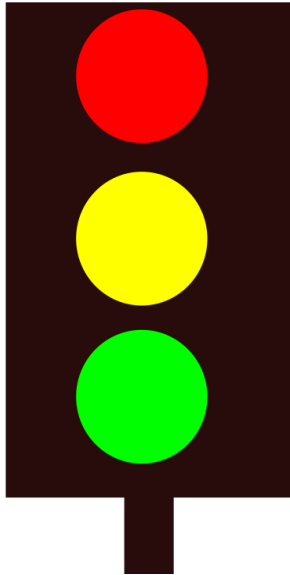
Many stakeholders involved, many agreements, legal compliance

Check agreements!

- Who owns IP?
- Confidentiality?
- Personal data?
- Open access/Open data?



What data can be fully open data?



- Sensitive personal data
 - health, biometric, sexual, political, religious, ethnicity
- Confidential data*
- "Ethical high-risk" data
- Parts of data-sets is personal data
 - pseudonymization a possibility
- Highly competitive field
- **Non-personal data**
- **Non-confidential data**
- **Open data in funding agency agreement**

* Ex. of confidential data

- Trade secrets
- Data needed for patentable invention: **usually embargo of 90+30 days**
- Information that can lead to financial/operational damage for KTH/other org.



How to publish/share data?

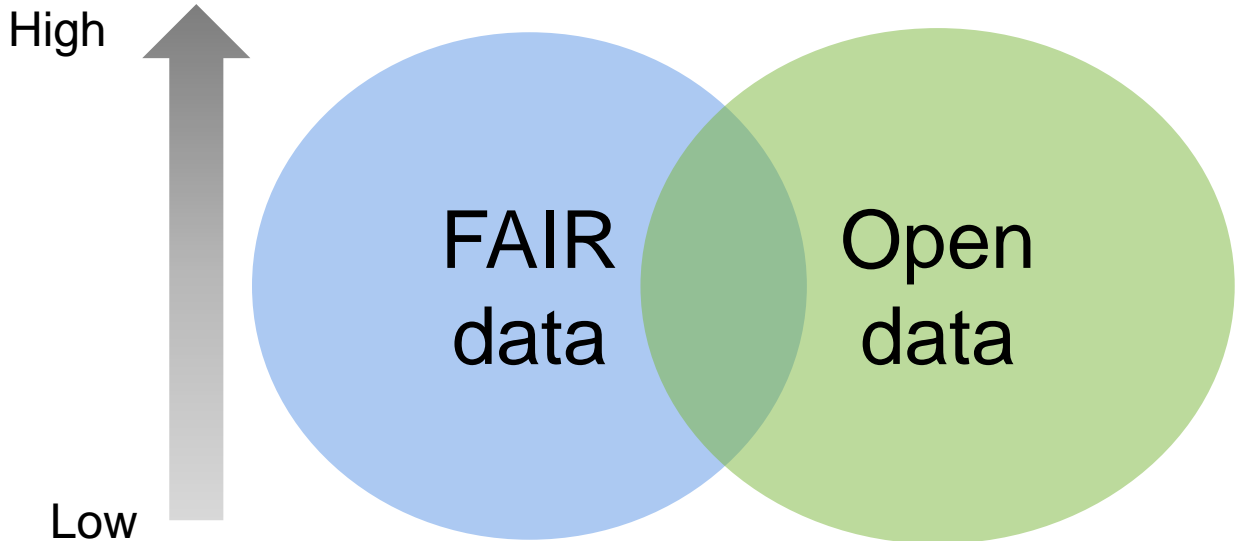
F_{indable} A_{ccessible} I_{nteroperable} R_{eusable}



By SangyaPundir (Own work) [CC BY-SA 4.0 (<https://creativecommons.org/licenses/by-sa/4.0>)], via Wikimedia Commons



FAIR Data \neq Open access to data



But there's an overlap. And both are on a scale



You can publish data with restricted access - still according to FAIR

- Describing your dataset and publish the description (=metadata) makes it possible to **Find** your data
- Possible also when access to dataset is restricted/ conditioned
- A license or access status describes how to get **Access**

The screenshot displays the Zenodo interface. At the top, there is a search bar with the text 'Search' and a dropdown menu for 'Tillgänglighetsstatus' (Availability status). Below this, a list of access rights is shown with their respective counts:

Access Right	Count
<input type="checkbox"/> 1a - Fritt tillgänglig utan r...	952
<input type="checkbox"/> 1b - Fritt tillgänglig via be...	30
<input type="checkbox"/> 1c - Fritt tillgänglig via be...	288
<input type="checkbox"/> 2a - Kräver forskningsshuvudma...	1
<input type="checkbox"/> 2b - Kräver alltid forsknings...	272
<input type="checkbox"/> 2c - Kräver alltid forsknings...	82
<input type="checkbox"/> 2d - Kräver alltid forsknings...	211

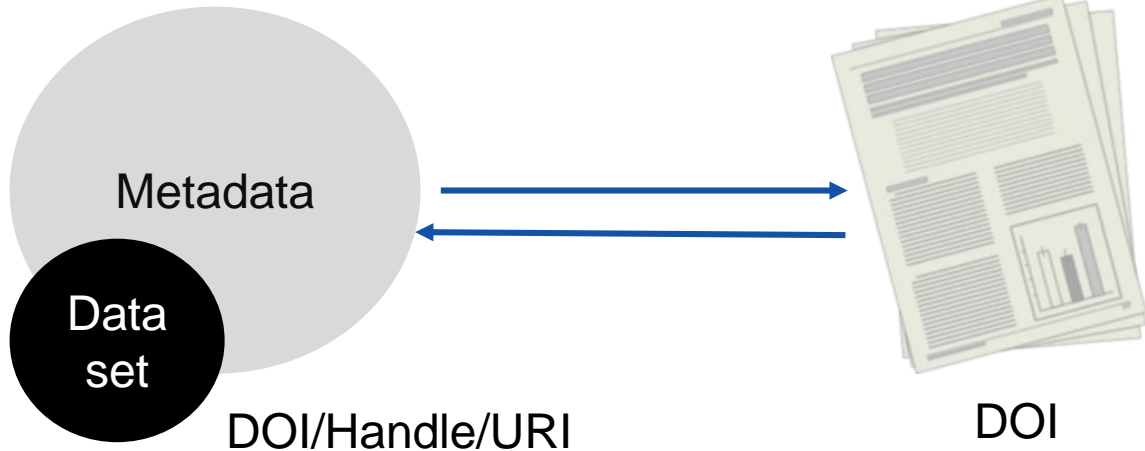
Below the search bar, the 'All versions' section is visible, showing a list of 'Access Right' options:

- Open (432980)
- Closed (22626)
- Restricted (862)
- Embargoed (434)

At the bottom right, a dropdown menu for 'licence ANY' is open, showing a list of license options:

- CC BY 4.0
- CC0
- MIT
- GPL
- GPL 2.0+
- GPL 3.0+
- Apache 2.0

Link dataset to publication and vice versa



Maximize potential **re-use** and impact for your research!



Summary: How to make data FAIR

- Persistent identifiers (DOI, ORCID)
- Rich Metadata: both machine- and human-readable, established metadata-standards
- File formats + availability of software to read files
- Data repositories – Suitable, high quality
 - CoreTrustSeal, WDS, or DSA certification
- Clear license for re-use of data

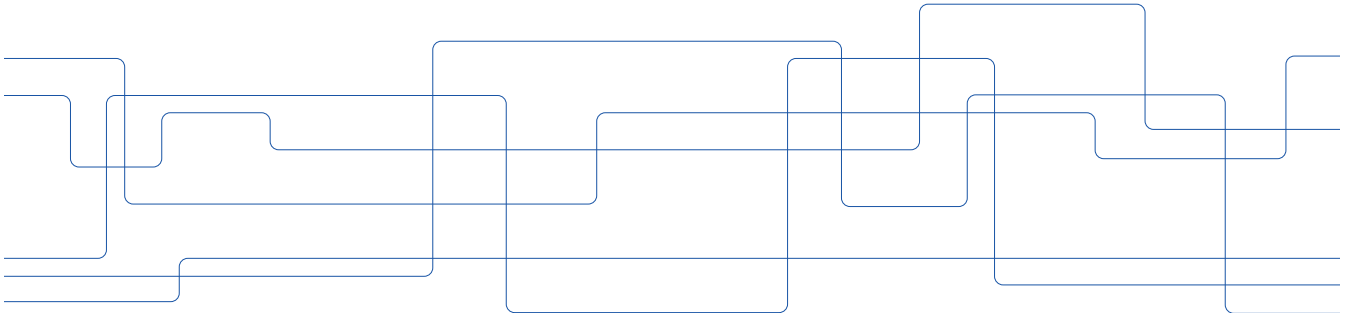
Collecting, 'cleaning', managing and disseminating data typically labour- and/or cost-intensive processes. Budget for it in funding application!

→ Data Management Plan



Research data support at KTH

www.kth.se/en/biblioteket/publicera-analysera/hantera-forskningsdata
researchdata@kth.se





Group discussion

Are there any obstacles/limitations to how you can share data in your research area?

- GDPR?
 - Collaboration partners? Who owns IP?
 - Patentable inventions?
 - Technical issues?
 - Lack of knowledge?
 - Risk of mis-use other ethical issues?
 - "Dual use" technology (national military interest)?
-



Group discussion

Do you know any data repositories / data portals that are used in your field of research?

re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

Or go to www.re3data.org to see if you can find any