

# Open Data Management: Training and Support from the EPFL Library



Chiara Gabella  
Head of RDM team

08 April 2024



# EPFL Library mission

We provide

EPFL's student, teaching and research communities with support, advice and expertise in scientific information.

We facilitate

the creation, dissemination, promotion and preservation of EPFL's academic and scientific output.



## Academic and Research Support

Guilaine Baud-Vittoz

### Training

- **Reinaldo Saavedra**  
[formations.bib@epfl.ch](mailto:formations.bib@epfl.ch)

- Coordination of the Library's training offer
- Information and data literacies
- Specialized training for students, PhD students and researchers
- Individual or group sessions

### Scientific Publication and OA

- **Lorenza Salvatori**  
[publishsupport@epfl.ch](mailto:publishsupport@epfl.ch)

- Consulting, training and expertise
- Copyright and publication licenses
- Open Access, including financial support
- R&P and OA contracts and licenses

### Research Data Management and

ORD – **Chiara Gabella**  
[researchdata@epfl.ch](mailto:researchdata@epfl.ch)

- Consulting, training and expertise
- Best practices and data management (FAIR principles, DMP, data licensing)
- Support for Open Research Data (ORD)
- EPFL Data Champions

# The RDM team



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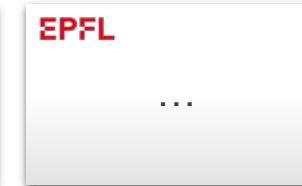
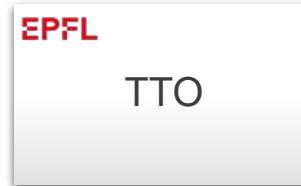
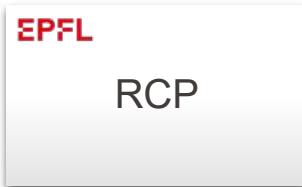
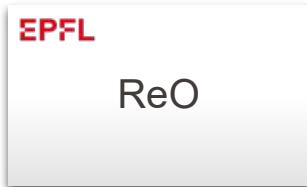
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RDM Training Specialist  
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[researchdata@epfl.ch](mailto:researchdata@epfl.ch)



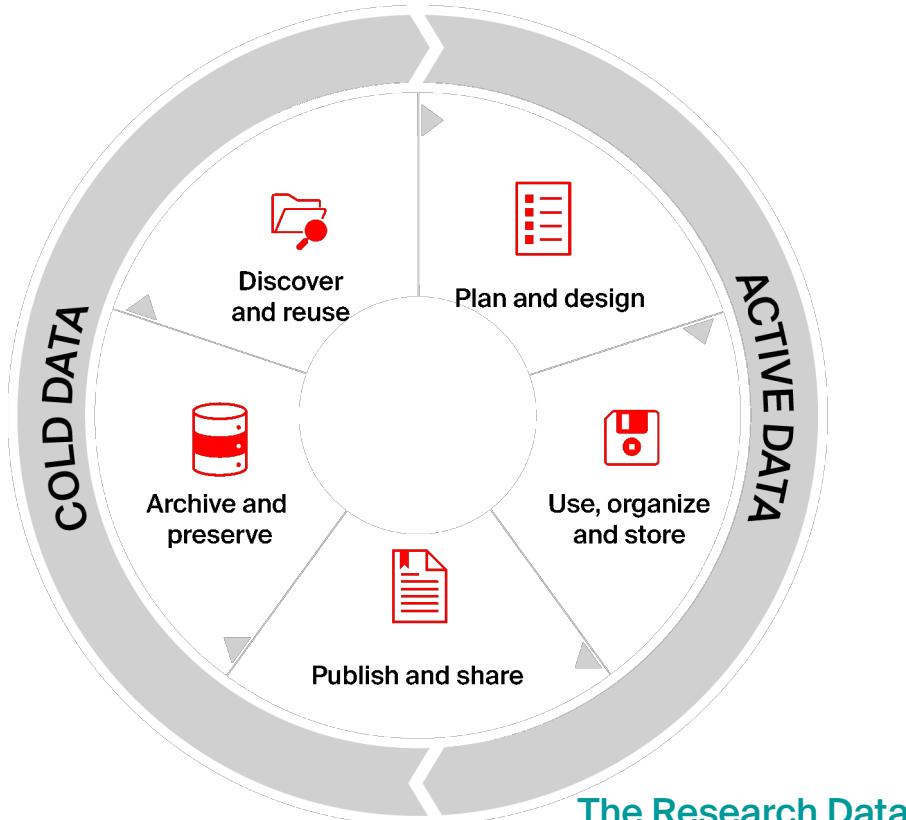
# EPFL's main collaborations



# The RDM ecosystem (Swiss and beyond)

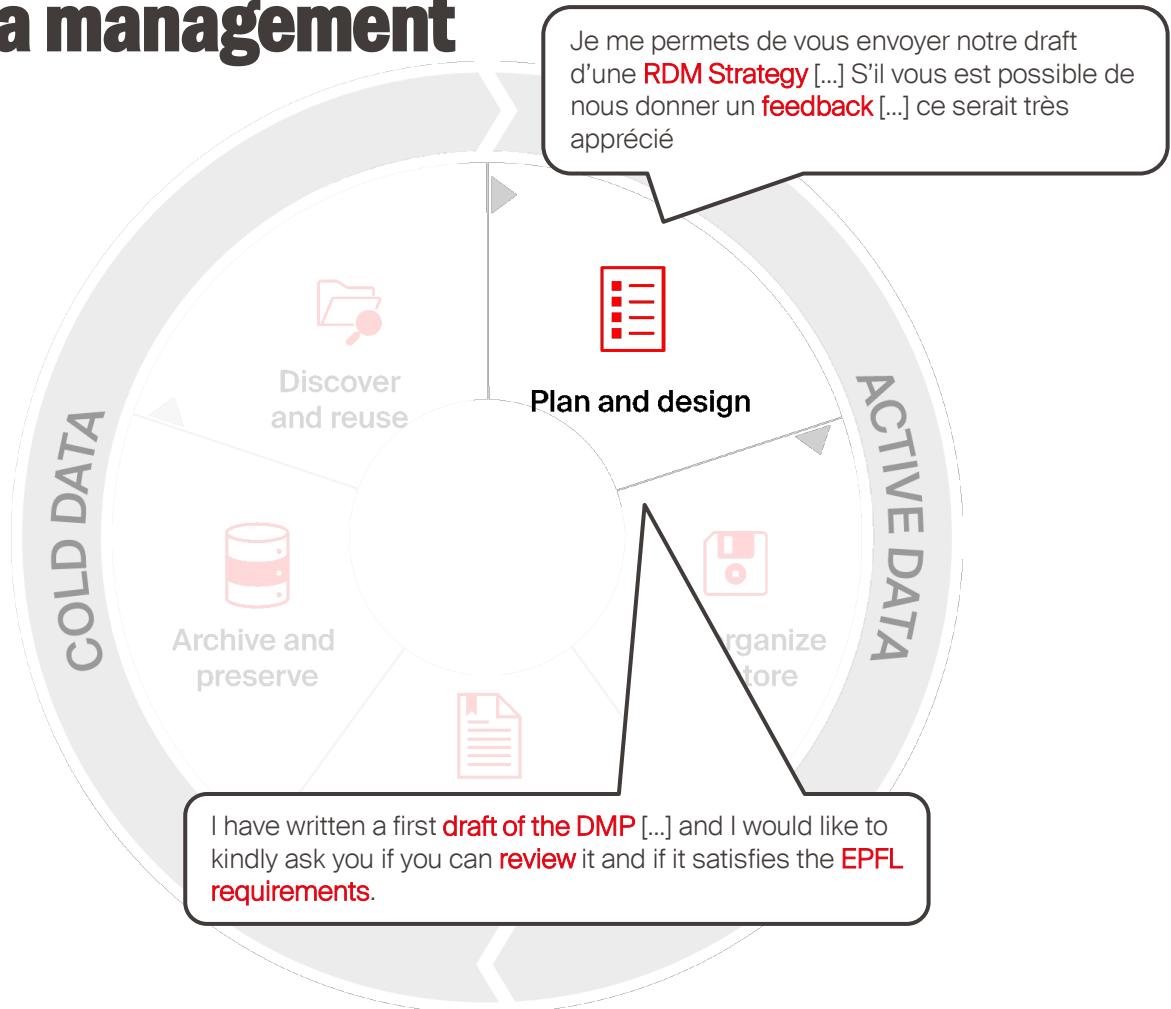
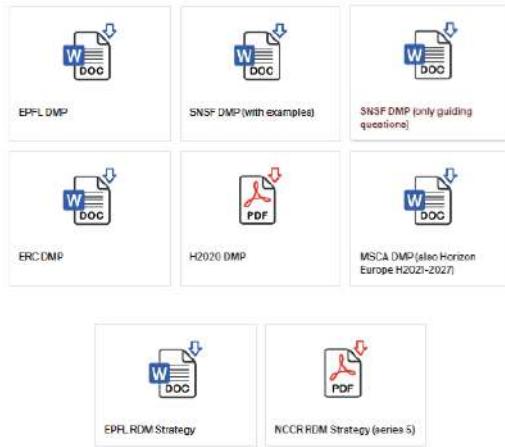


# Research data management



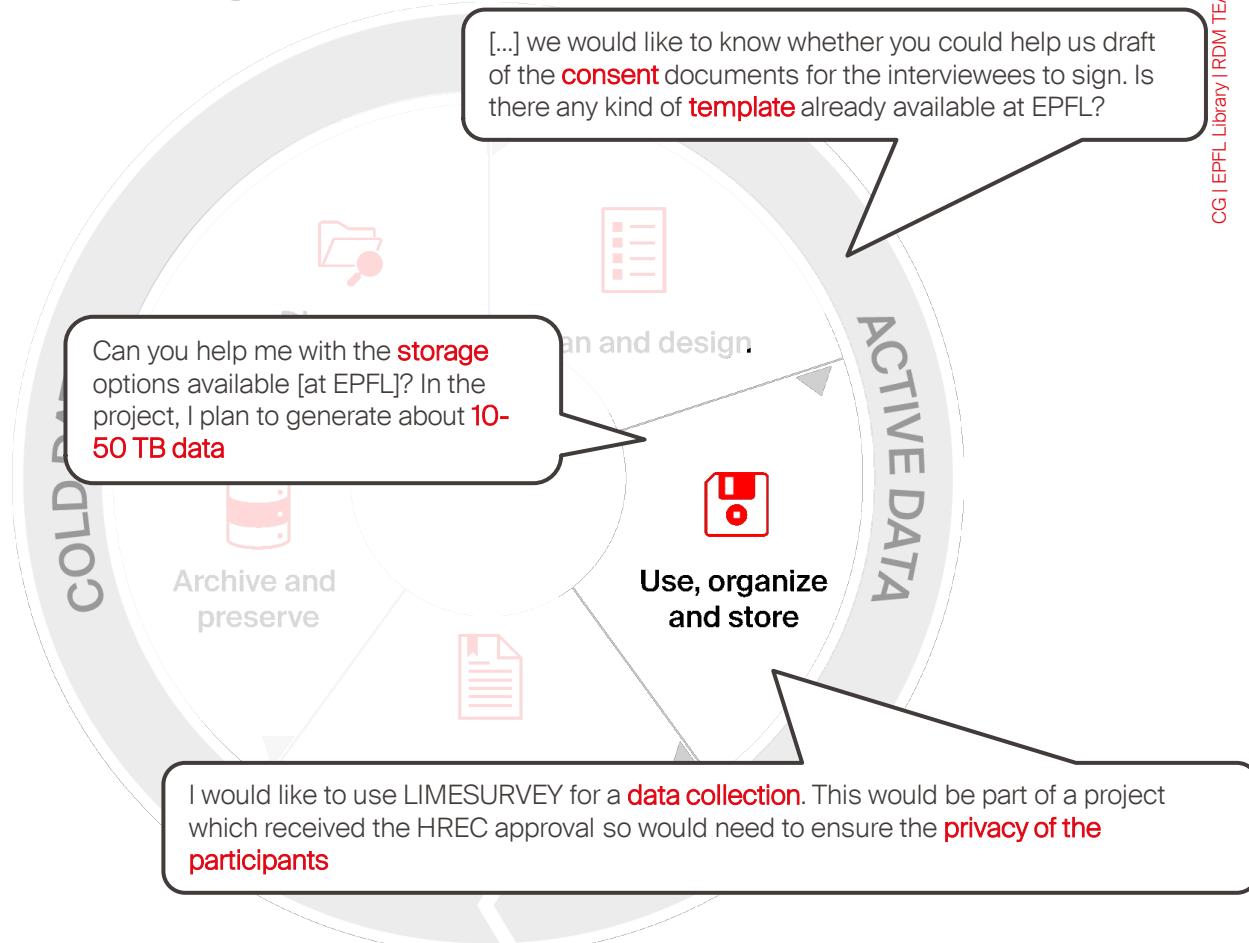
## RDM PLANNING

- RDM Strategy
- DMP review
- Funders requirements
- Templates creation / maintenance



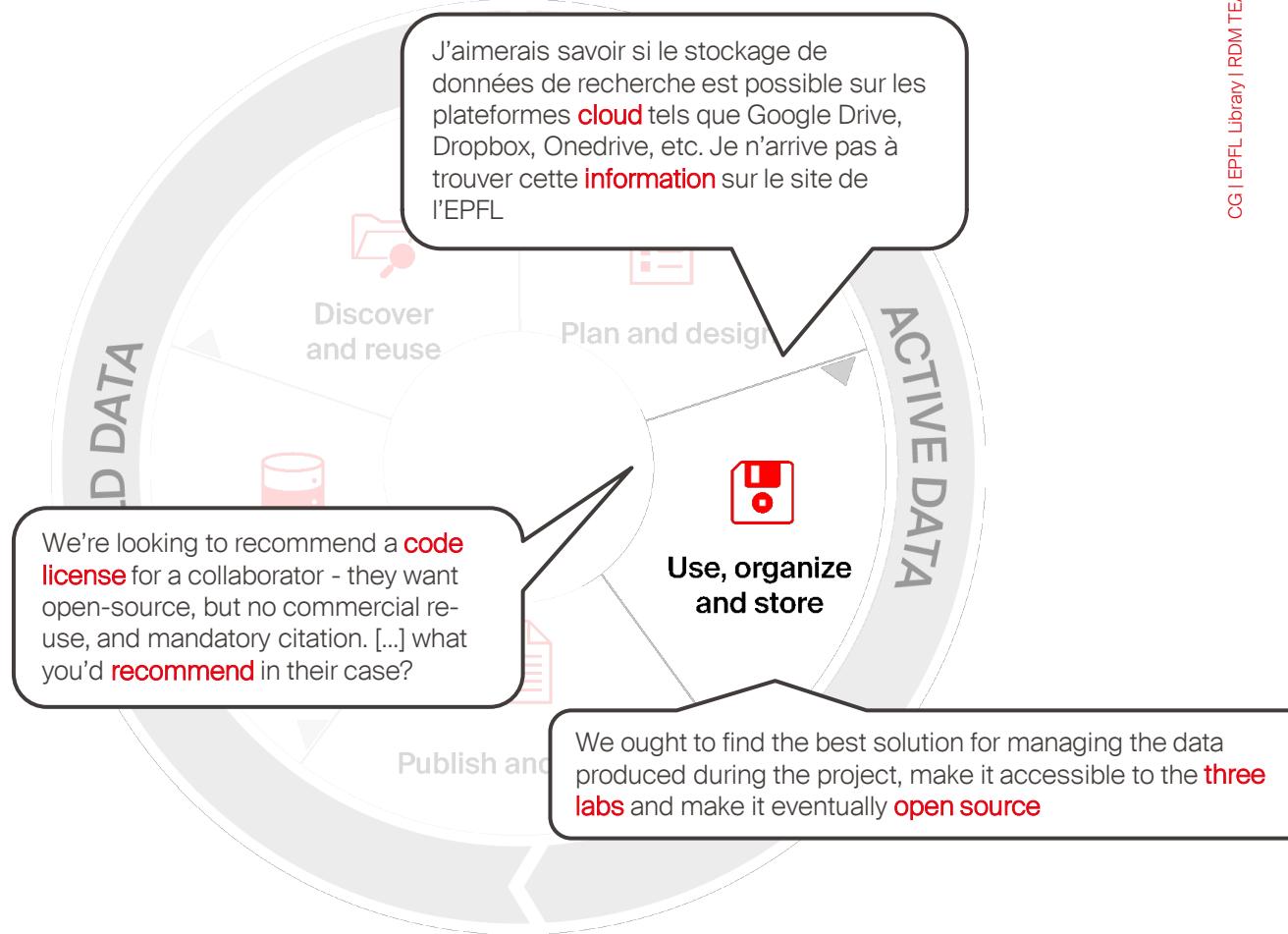
## COLLECTION / CODING

- Files/folders structuring
- Storage/backup solutions
- Naming convention
- Metadata



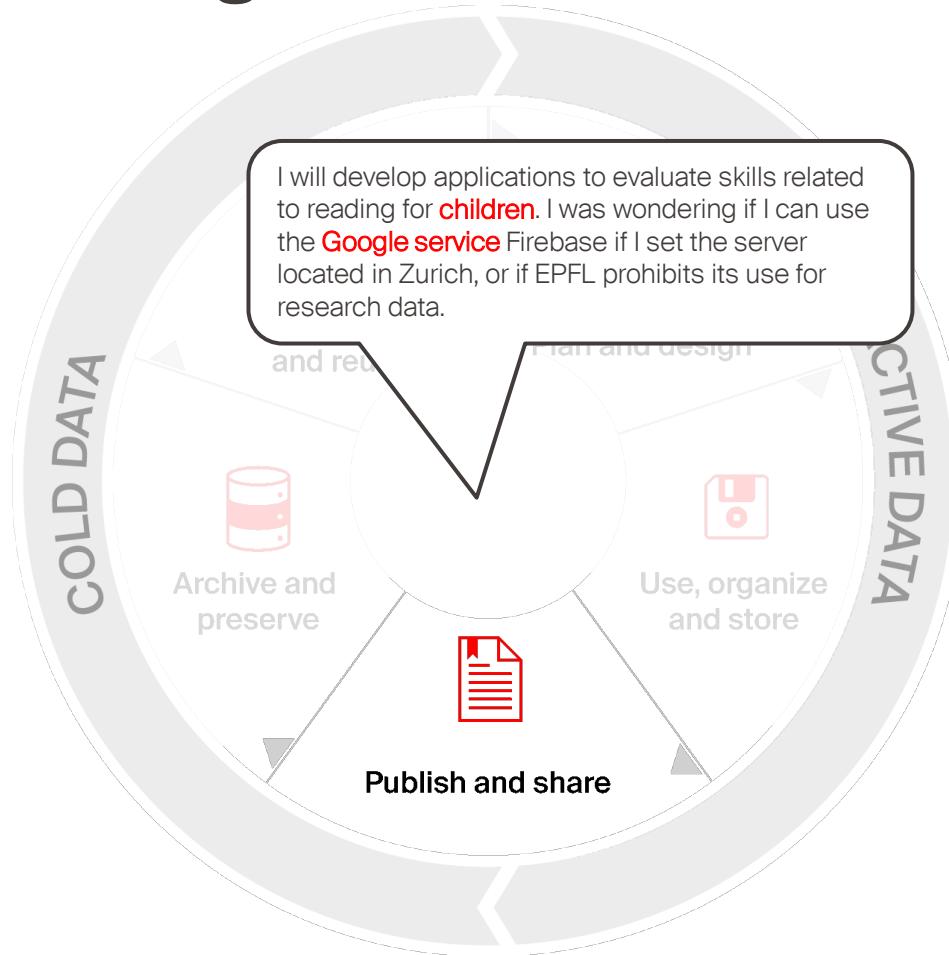
## ANALYSIS / PROCESSING

- ELN / LIMS
- Sharing solutions
- Tools exploration
- Documentation



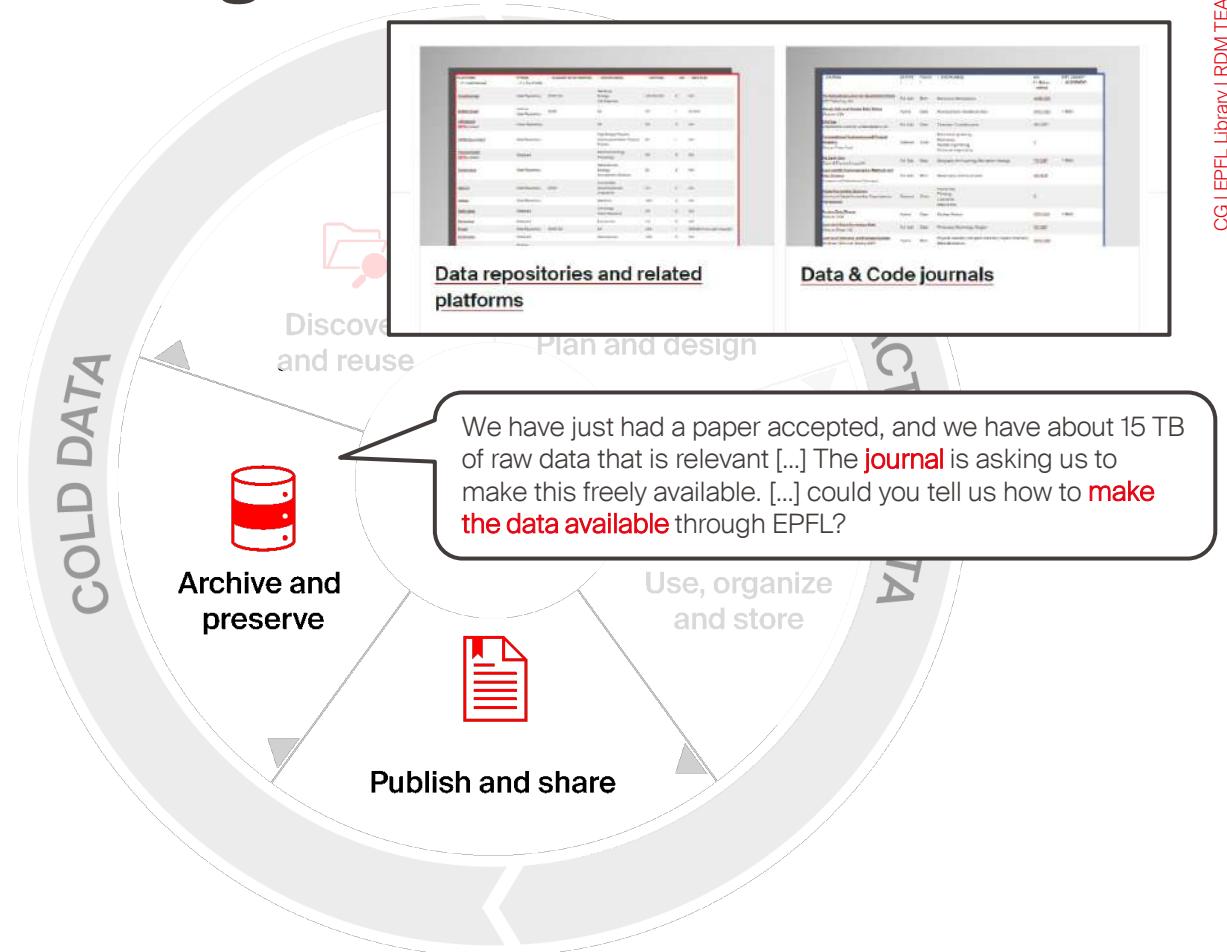
## Data CURATION

- Anonymization
- Formats
- Cleaning



## PUBLICATION / ARCHIVING

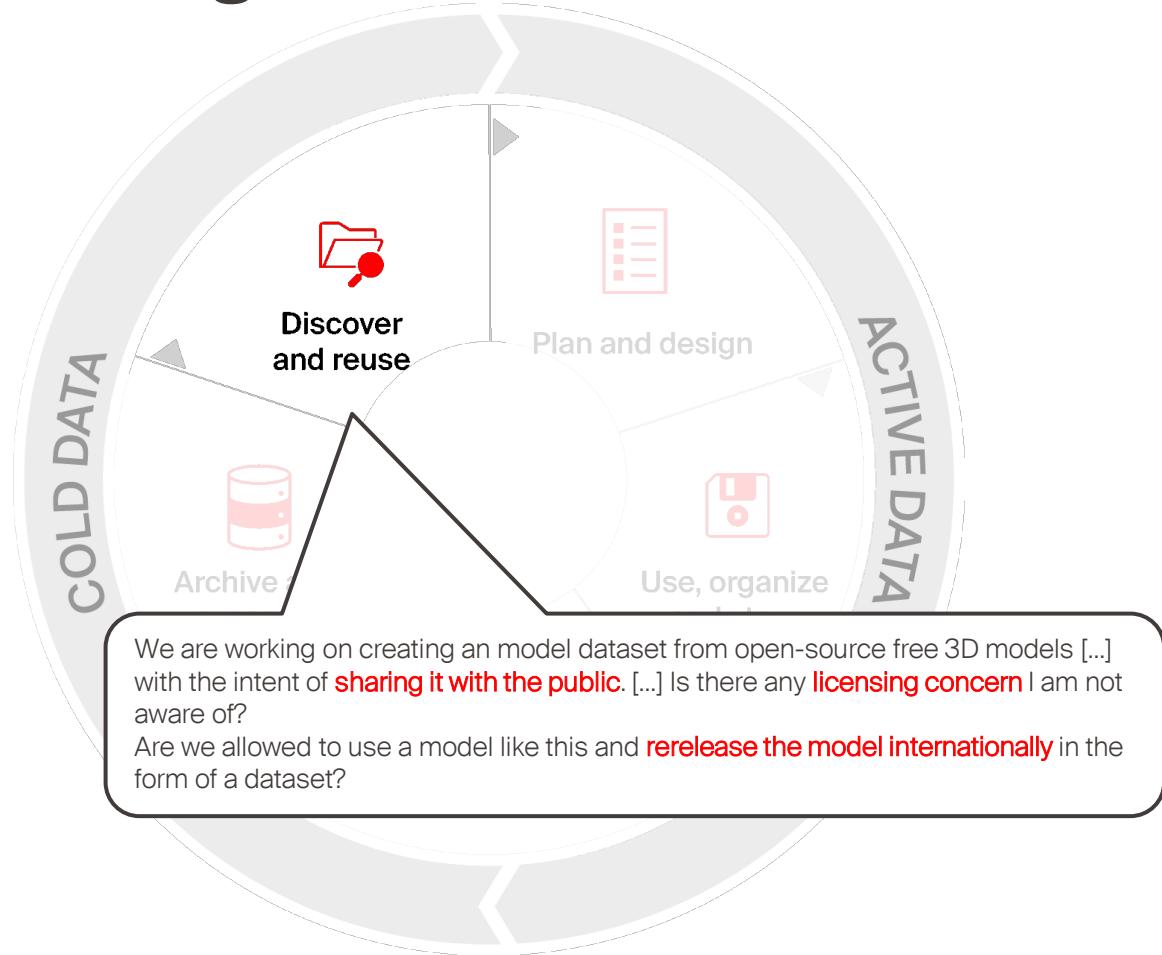
- Licensing
- Data repositories
- Data journals
- Deposition support
- EPFL-most used repositories
- Zenodo EPFL Community
- ACOUA (ACademic OUtput Archive)



# Research data management

## DISCOVERY / REUSE

- Licenses & negotiation
- Text & data mining
- Content searching
- Citations



# RDM as a service

Daily support to EPFL researchers *on demand*

Includes all DMP-related services:

- ✓ Providing EPFL researchers with DMP templates and support on the various funding agencies (SNSF, ERC, Horizon EU,...)
- ✓ Tools production: RDM cost calculator, EPFL DMP template...
- ✓ Review for researchers and for funders (EPFL as funding agency)
- ✓ Offering training on DMP writing and best practices
- ✓ RDM strategy
- ✓ In-depth reflections on DMP tools (assessments, guidelines, maDMP...)



Curation policy for the [Zenodo | EPFL Community](#):



- ✓ Curation of EPFL dataset on RDM best practices
- ✓ Policy compliant datasets join EPFL Community on Zenodo
- ✓ Visibility on Infoscience: notification on IS is automatically attributed
- ✓ Long-term preservation: data archived in ACOUA

**75 datasets** in 2023, total 358

## DESCRIPTION

The aim of this EPFL Community on Zenodo is to strengthen the visibility and re-usability of the datasets produced by EPFL researchers, and to facilitate the dissemination of information (links between publications and data; potential re-use by other researchers; reporting for scientific grants; etc.).

For support with your dataset submission and curation, or for any questions about this community, please contact the RDM team of EPFL Library at [researchdata@epfl.ch](mailto:researchdata@epfl.ch).

## CURATION POLICY

The **MUST** criteria are required in order to accept a submission to the EPFL community.

### **MUST**



- Regular offer: 4 training on RDM best practices, 1x /semester
  - ✓ 2 hours training (live & zoom), with hands-on individual work
- Credited course:
  - ✓ EDCH credited course on RDM (3 days training, final report and evaluation)
  - ✓ Prep. of “Research skills in the Open Science Era” (incl. RDM/ORD) for EDCE
  - ✓ (Others to come)
- Individual training / workshop *ad-hoc* & support 1:1 on demand
- Participations in external courses / conferences (e.g. CUSO)

# Training – regular offer

## Module 1

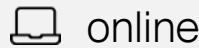


### ABC of Research Data Management

#### Main topics:

FAIR principles, ORD, OS, RDLC, EPFL services

- Identify F.A.I.R. data practices;
- Recognize the right EPFL services that meet your RDM needs.



online



next semester

## Module 2



### Data Management Planning & Funding

#### Main topics:

DMP, RDM Strategy, funders, costs, templates

- Implement your own DMP;
- Assess the compliance of your DMP with funders' requirements (ex. SNSF, ERC or EPFL)



on campus



next semester

# Training – regular offer

## Module 3



### Data Organization & Storage Solutions

#### Main topics:

Metadata, naming, formats, backup VS archive

- Distinguish between storage, backup, and archiving solutions.
- Test your file naming convention against good practices.

 online

 22 May 2024 14:00 – 15:30

## Module 4



### Data & Code Publication

#### Main topics:

Zenodo, Github connection, data journals, licensing, anonymization

- Choose the right repository for your code/data;
- Publish your code/data in the EPFL Zenodo community.

 on campus

 20 June 2024 14:00 – 15:30

# Current project : ETH-Domain ORD Program (M3)

## Develop Open Educational Resources for ORD across ETH-Domain

Make RDM / ORD trainings from the various institutes of the ETH Domain (libraries, competence centers, laboratories, central services, etc.) available to the entire ETH public and open to all (OER)



1<sup>st</sup> deliverables: end 2024

E-Learning course



OER modules / catalog



# Contact us !

- [library@epfl.ch](mailto:library@epfl.ch)
- [www.epfl.ch/campus/library/](http://www.epfl.ch/campus/library/)
- [@EPFLlibrary](https://www.epfl.ch/campus/library/services-researchers)



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