

B5.2 Data Stewardship

Postersession / *session posters*

26. April 2023, 14-17 Uhr
Kuppelraum Universität Bern

26 avril 2023, 14-17h
Kuppelraum de l'Université de Berne

Kurze Pitches und physische Poster der B5.2-Projekte
zum gegenseitigen Kennenlernen

Courts pitches et posters physiques des projets B5.2
pour faire connaissance

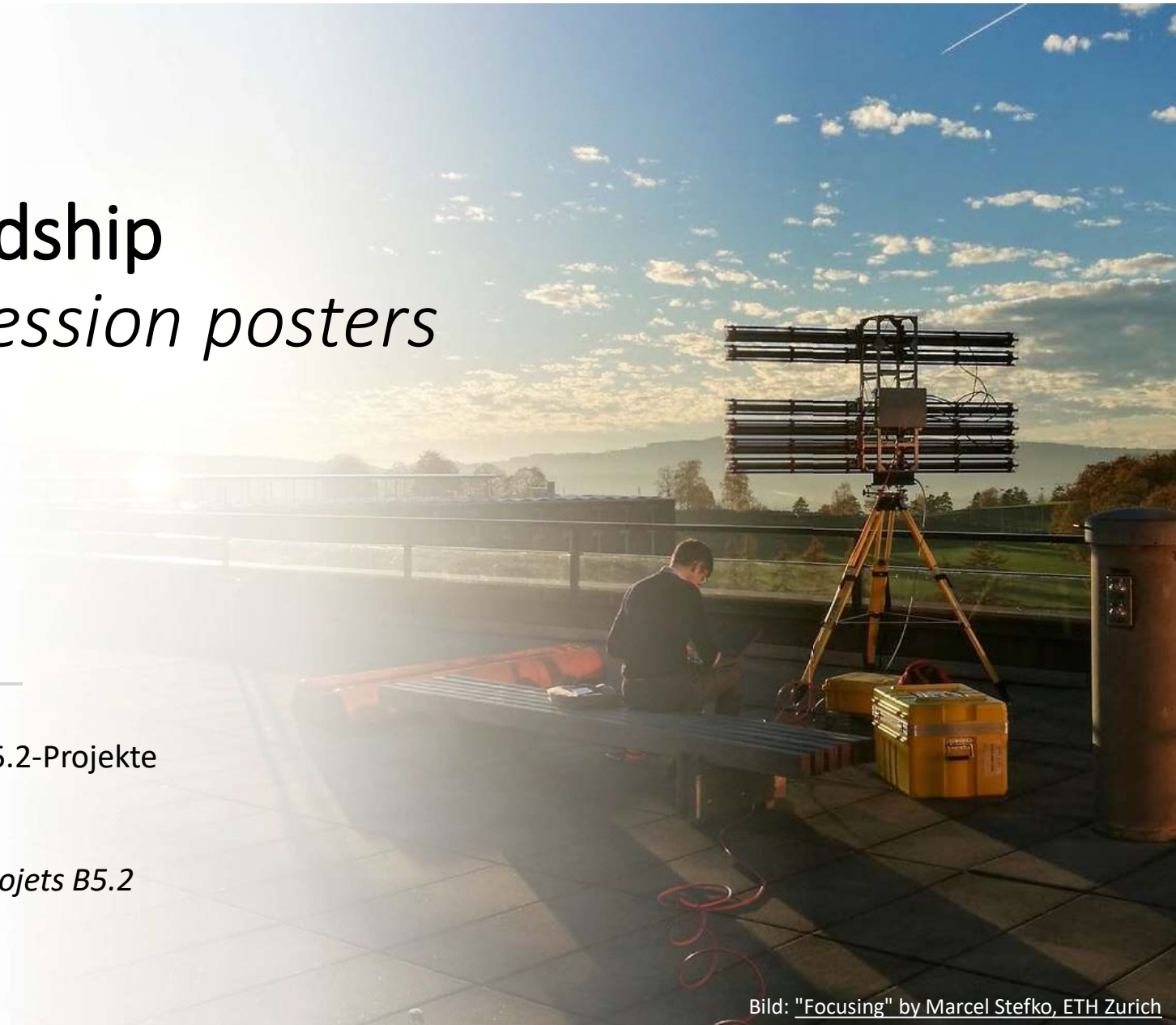


Bild: "Focusing" by Marcel Stefko, ETH Zurich

Pitch

Max. 1 Minute:

- Kurze Vorstellung des Projekts
- Beantworten der Frage: Was sind Ihre Ziele für den heutigen Nachmittag und was möchten Sie heute von den anderen lernen oder erfahren?

Poster

- Je Projekt soll ein Poster gestaltet werden
- Format: DIN A0 , Hochformat, in physischer Form
- Sprachen: FR, DE, IT oder EN
- Vorzugsweise wenig Text, grosse Schriftgrösse, v.a. Bilder und Grafiken
- Inhalt:
 - Namen der Projektleitenden und der Institution + Kontaktadresse
 - Überblick zu den geplanten Massnahmen (*Goals / Measures in a Nutshell*, z.B. als Grafik)
 - Gegenwärtige und voraussichtliche Herausforderungen
 - Erste *Lessons Learned*
 - Wo sehen Sie Potenzial für vertiefte Kooperation / Nutzung von Synergien zwischen den verschiedenen Institutionen, um Ihre Projektziele zu erreichen?

Pitch

1 minute maximum :

- Brève présentation du projet
- Répondre à la question : quels sont vos objectifs pour cet après-midi et qu'aimeriez-vous apprendre ou découvrir des autres aujourd'hui ?

Poster

- Un poster par projet doit être réalisé
- Format : DIN A0 , format vertical, sous forme physique
- Langues : FR, DE, IT ou EN
- De préférence peu de texte, grande taille de police, surtout des images et des graphiques.
- Contenu :
 - Noms des responsables du projet et de l'institution + adresse de contact
 - Aperçu des mesures prévues (*Goals / Measures in a Nutshell*, par ex. sous forme de graphique)
 - Défis actuels et prévisibles
 - Premiers *Lessons Learned*
 - Où voyez-vous un potentiel de coopération approfondie / d'utilisation des synergies entre les différentes institutions pour atteindre les objectifs de votre projet ?

Data Stewardship Program University of Basel

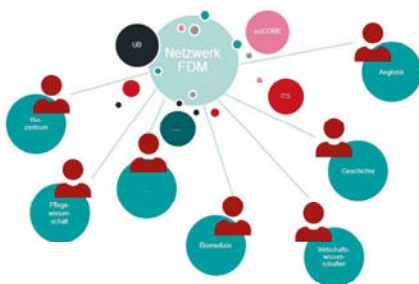
Silke Bellanger, Christina Besmer, Iris Lindenmann
Open Science, University Library, University of Basel

1. Background: RDM across the university and a data steward pilot

- Since 2017: RDM network across the university
- Since 2020: RDM Policy of the University of Basel



- 2021-22: Pilot “Data Stewardship Program” with Train-the-Trainer-Program on RDM
- Data Stewards in Basel are the disciplinary “missing link” between faculties, departments and the RDM network



- Data Stewardship @University of Basel: 22 people
- Data Stewardship @University of Basel: It is a role taken on by people who, due to their functions, already have an intermediary role between specialist science and research-related services.

2. 1st lessons learned

- Disciplinary diversity is important, but structurally the differences are smaller than expected.
- Different institutional cultures are similarly significant.
- Data Stewards increase visibility of RDM services, but also reveal gaps.
- Train the trainer Program is not enough to enable Data Stewards
- Communities of practice of Data Stewards are crucial

3. Measures until end of 2024

Continue the started data stewardship program.

2nd on-boarding of data stewards on department level.

Continue the train-the-trainer program, focusing on disciplinary need.

Increase visibility of data stewards and dialogue with departments via a “road show” on research data management at all departments.

Develop subject-specific policies and best practices for RDM at the faculty and department level.

Implement a curriculum on research data management for graduate schools, doctoral training.

Establish new governance for the collaborative work of data stewards and the RDM network.

Address discipline-specific problems with relevance for the whole university.

4. Main challenges

- Involving researchers, heads of faculties and departments to create disciplinary best practices
- Changes in curricula taking time
- Translating individual needs into sustainable process and structures

5. Building up on existing collaborations?!

- RDM Network, University of Basel
- Responsible Digital Society Network, University of Basel
- Swiss Reproducibility Network, Node Basel
- Swiss RDM Network
- AKORD, Working Group SLiNER
- forschungsdaten.info
- re3data

6. New collaborations, exchange and dialogue – locally, nationally, internationally?

- Professionalisation – role, skills, responsibilities of data stewards (and RDM experts)?
- Experiences – creating discipline specific RDM policies?
- Recommendations – highly specialized (international) speakers for discipline specific needs and trainings?
- Ideas - organisational models for networks?
- Re-Using international examples and experiences?
- Engaging with international initiatives?

7. Contact

Silke Bellanger, silke.bellanger@unibas.ch
Iris Lindenmann, iris.lindenmann@unibas.ch
Christina Besmer, christina.besmer@unibas.ch

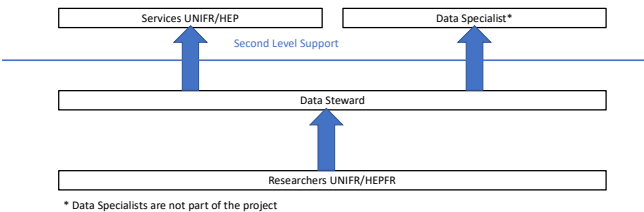
www.researchdata.unibas.ch
researchdata@unibas.ch
<https://ub.unibas.ch/de/digitale-dienste/>

Goals

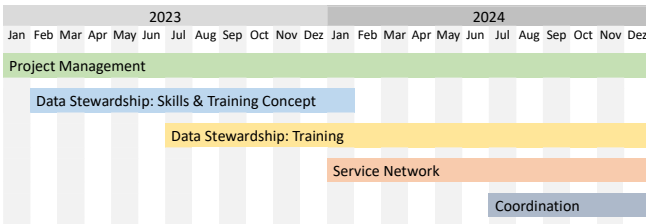
1. Definition of data steward competencies, development of a modular training concept, and review of job descriptions for the academic librarians assuming tasks
2. Set up of data stewards at the two institutions as a first level of support in the field of research data management (RDM)
3. Network the existing services in this field within the two institutions
4. Set up of a coordination between the different actors concerned (data stewards and existing services)

General Project Information

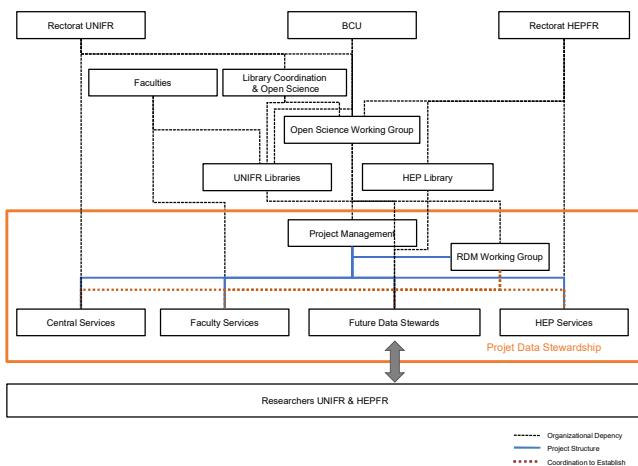
- Duration: 1 January 2022 – 31 December 2023
- Budget: CHF 540'000
swissuniversities: 50%; UNIFR/HEP: 50%
- Context: RDM Policy of the University of Fribourg
<https://www.unifr.ch/researcher/de/open-science/open-research-data/rdm-policy.html>
- Global vision:



Project Plan



Project Organization



Two Institutions – One Data Stewardship

In the field of Open Science, the University of Teacher Education Fribourg has been working with the University of Fribourg for several years. It is represented in the university's open science working group and has collaborated on the university's research data management policy, which it will also adopt. Both institutions use the same Open Access repository (FOLIA) and are members of the OLOS association. At a higher level, the integration of the University of Teacher Education into the university has been decided for 2025. It therefore makes sense to realise cooperation in the area of data management now.

Data Stewardship Competencies



1. Core competences in research data

- 1.1 Definitions, identification of relevant data
- 1.2 FAIR Principles
- 1.3 Data Life Cycle
- 1.4 Data Management Plan

2. Research at UNIFR/HEP FR

- 2.1 Actors in the institution
- 2.2 Research data management policy (and other internal guidelines)
- 2.3 Procedures, workflow, organization in research
- 2.4 Communication with researchers, knowledge of the research project

3. Metadata

- 3.1 Types of research data
- 3.2 Identifiers : DOI, ORCID, etc.
- 3.3 Documentation of and about data
- 3.4 Taxonomies

4. Technical Skills

- 4.1 Data collection techniques
- 4.2 Data storage, publication and archiving (including security aspects)
- 4.3 File formats (general and used in the discipline)
- 4.4 Programming (Python)

5. General and specific knowledge in the discipline

- 5.1 Data producers (e.g. Eurostat, Open Data Navigator)
- 5.2 Useful (bibliographic and other) databases
- 5.3 Recommended tools and procedures
- 5.4 Choice of repository (SNF list, Re3Data, etc.)
- 5.5 Functionalities and Options in OLOS

6. Standards and Regulatory Frameworks

- 6.1 Usage rights & Creative Commons
- 6.2 Data sensitivity, identification criteria
- 6.3 Legal (especially sensitive data protection), ethical and data security rules and standards

7. Communication Skills

- 7.1 Developing documentation
- 7.2 Academic English (in collaboration with the language center)

Side Project: dmp2cris

The goal of the dmp2cris project is the establishment of machine-actionable Data Management Plans (maDMP) in the research community of UNIFR as a standard way to create DMPs to integrate DMP information automatically and systematically into the local Current Research Information Systems (CRIS). This will improve intra-institutional information about the data production of planned and ongoing research projects and allow a better support for researchers in managing these data. Another benefit for the researcher is the simplified transfer of the available information to other platforms e.g. of funding organizations or data repositories.

Parts of this side project:

- Evaluation of maDMP tools
- Introduction of the tool to future Data Stewards and the research community
- Integration into CRIS of UNIFR



STRENGTHENING THE COORDINATION OF FAIR RESEARCH DATA MANAGEMENT



CHALLENGE

To include researchers in the governance and thinking process



SUPPORTING RESEARCHERS IN THE MANAGEMENT AND OPENING OF THEIR RESEARCH DATA



CHALLENGE

To embed support within a wide range of scientific disciplines and their different methods and process



To identify emerging topics and structure the training offer in a coherent program



CHALLENGE

STRENGTHENING AND DIVERSIFICATION OF THE TRAINING OFFER ON EMERGING TOPICS



To draw on existing networks to engage resources and foster a community



CHALLENGE

CREATION AND ANIMATION OF COMMUNITIES OF PRACTICE AROUND FAIR DATA MANAGEMENT



Swiss Data Stewardship Environment Profile – Training – Network (SwissDS-ENV)

Université de Lausanne – UNIL (lead)
 Gérard Bagnoud – Director UNIRIS / Head ORD
Haute école pédagogique Vaud – HEP VD
 Mathilde Panes – Head ORD
University of Genève – UNIGE
 Jean-Blaize Claivaz – Open Access and Research Data
 Coordinator
Haute école de gestion Genève – HEG GE/HESSO
 René Schneider – Head of the IS field



Swiss Centre of Expertise in the Social Sciences – FORS
 Alexandra Stam – Head of Data Management Support
University of Zurich – UZH
 Andrea Malits – Leitung Open Science Services
Zürcher Hochschule für Angewandte Wissenschaften – ZHAW
 Martin Jaekel – ZHAW President's office
Swiss Institute of Bioinformatics – SIB
 Patricia Palagi – Head of training



Image by Paul Henri Degrande from Pixabay

As an emerging profile, the role of Data Steward is becoming increasingly important in the landscape of research data management support in Swiss academic institutions. *Data Stewards* play an expert role in research data management and open data, while dealing with many issues related to data protection, security, ethics, documentation, archiving, sharing, etc.

Today, this role is often filled by researchers from the relevant research fields, by computer scientists or by information science specialists. Most of these *Data Stewards* do not currently have a recognized qualification. UNIL, together with seven other partner institutions, will implement a CAS (*Certificate of Advanced Studies*) in Data Stewardship as part of the SwissDS-ENV project.

This educational program will allow a better recognition of this emerging profile, while strengthening its skills and offering a new career opportunity in the field of scientific research. It will be based on a grid of desired competencies and skills and will allow the federation of a community of practice at the Swiss level.

ACTION 1

Definition & profiles

Objectives

- Formalize a common language and definition of Data Stewardship and related profiles : *Data Librarian, Data Archivist, Data Curator, Data Scientist*, etc.
- Establish a grid of competences and skills (professional, methodological, personal and social) of a *Data Steward*.
- Determine two profiles: generalist (transversal) and disciplinary (SHS - Life Science).

Action plan

- Elaboration of a glossary, definitions, terms used in the field
- Identifying the required competences and skills
- Creation of a skills and competences reference framework
- Drafting a functional specification for *Data Stewards*

ACTION 2

Certificate of Advanced Studies (CAS) in Data Stewardship

Objectives

- Establish an innovative and permanent training program to provide universities with *Data Stewards* to meet the expectations of the scientific community and national and international requirements.
- Create a pool of highly qualified people from different research fields and/or information science specialists to support researchers in managing research data throughout its lifecycle.
- Provide a new certified professional orientation for researchers, information science specialists and people with an IT background.

Action plan

- Establishing an education plan (teaching objectives, educational strategies, evaluation methods, etc.)
- Creation of a Scientific Committee to accompany the education program to ensure its relevance and consistency with the needs of the different research areas
- Development of transversal and transdisciplinary modules
- Development of a Social Sciences module
- Development of a Life Sciences module
- Development of a specific module (data types, format, etc.)
- Establishing a regulation, an inter-institutional study programme and an agreement between the education providers

ACTION 3

Swiss Data Stewardship Network (SDSNet)

Objectives

- Formalize and coordinate a network of future and current *Data Stewards* and Data Stewardship professionals (including teachers),
- Enable the exchange of good practices and experiences, the development of know-how and synergies to meet the requirements of data management and openness of research data.
- Provide a platform for exchange and collaboration for other audiences involved in research data management.

Action plan

- Establishing the list of people involved in research data management in Switzerland
- Development of the objectives, composition and mandate of SDSNet
- Analysis of the necessary legal form and statutes
- Development of Code of deontology and the network member's commitment

Contact : researchdata@unil.ch

Koordination Data Stewardship

B5.2-Projekt der Universität Luzern im Rahmen des Programms Open Science I, Phase B
Mai 2023 – Juni 2025

Kontakt: silvia.martens@unilu.ch



Yvonne Fuchs
(Universitätsmanagement)



Projektleitung: Doris Schmidli
(Universitätsmanagerin)



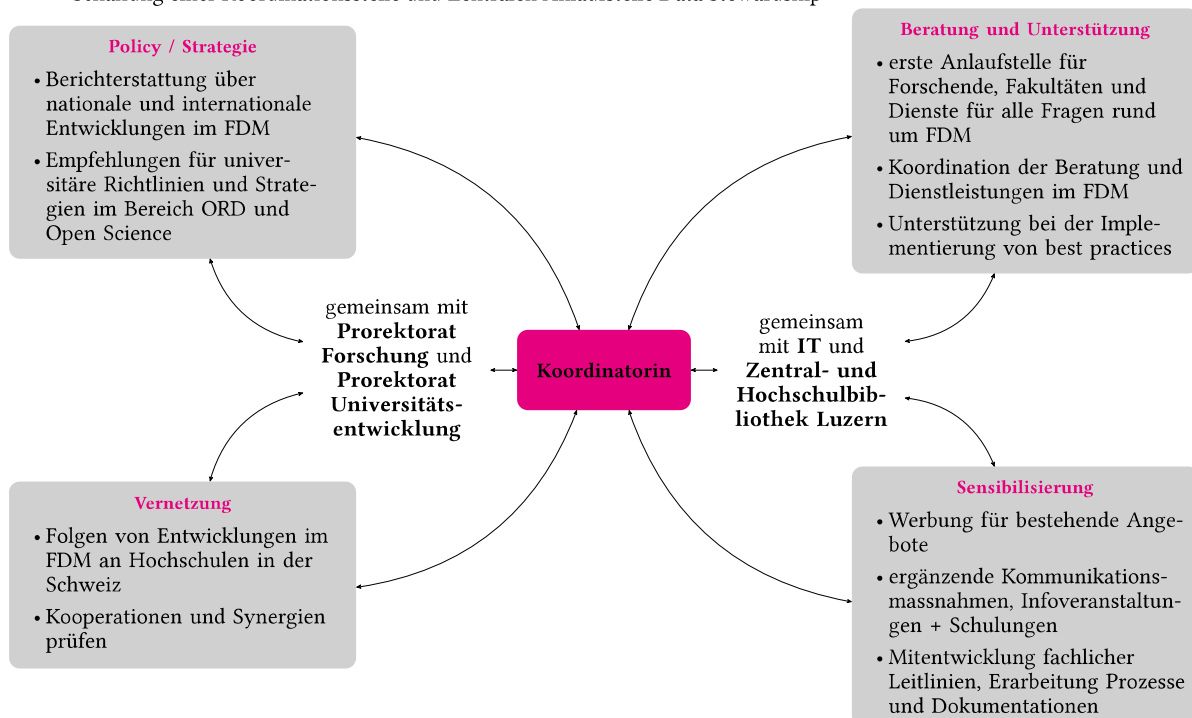
Silvia Martens
(P. Universitätsentwicklung)

Ziele

- **Institutionelle Verankerung:** Das Forschungsdatenmanagement soll in der Universitätsleitung und in den Fakultäten fest verankert und in wichtige Prozesse der Universitätsentwicklung und Qualitätssicherung im Rahmen von Forschung und Lehre eingebunden werden. (top-down)
- **Sensibilisierung und Mitwirkung der Forschenden:** Forschenden soll diese Verankerung bewusst gemacht werden und sie sollen Unterstützung durch die Universität (Leitung, Dienste, Fakultäten) erhalten, Forschungsdatenmanagement in ihren eigenen Forschungsprozessen umzusetzen und bei der Lehre zu berücksichtigen. Fachkulturellen Unterschieden resp. Schwerpunkten im FDM soll Raum gegeben werden, Forschende sollen sich aktiv in die universitäre Entwicklung im FDM einbringen. (bottom-up)
- **Koordination und Erweiterung der Dienstleistungen:** Die verschiedenen beteiligten Dienste und Stellen der Universität stimmen ihre Aktivitäten mit den Zielen der Universitätsleitung und der Fakultäten ab, nutzen Synergien und bauen ihre Dienstleistungen bedarfsgerecht aus.

Umsetzung

- Schaffung einer Koordinationsstelle und Zentralen Anlaufstelle Data Stewardship



Auswahl mittelfristiger Massnahmen

- bessere Kommunikation von Dienstleistungen und bedarfsgerechter Ausbau
- Guidelines und dokumentierte Empfehlungen für Forschende, Prozessanleitungen
- Ausbau Beratung zu juristischen und ethischen Fragen im Zusammenhang mit FDM
- klare Rahmenbedingungen für FDM an der Unilu und Anreize schaffen (Policies, Richtlinien, Einbezug von Open Science in Forschungsevaluation)
- Auszeichnung von Forschenden für gute Praktiken im FDM und Einbindung von Forschenden verschiedener Fachbereiche in die Etablierung und Kommunikation von best practices
- ...

unine

Université de Neuchâtel

- Définition de la **STRATÉGIE ORD** de l'**UniNE** et directive du rectorat
- Engagement d'un **DATA STEWARD** d'avril 2023 à décembre 2024 :
soutien à la communauté UniNE sur les ORD
 - comment stocker les données
 - sur quelles plateformes
- Les **BIBLIOTHÉCAIRES** de chaque bibliothèque de faculté renforcent le soutien du Data Steward
- Partenariat de l'**UniNE** avec **SWISSUbase**
- Mise à disposition de la communauté UniNE de plusieurs **OUTILS**, notamment :
 - DMP Online
 - Data Monitor
- Communication du projet à la communauté UniNE

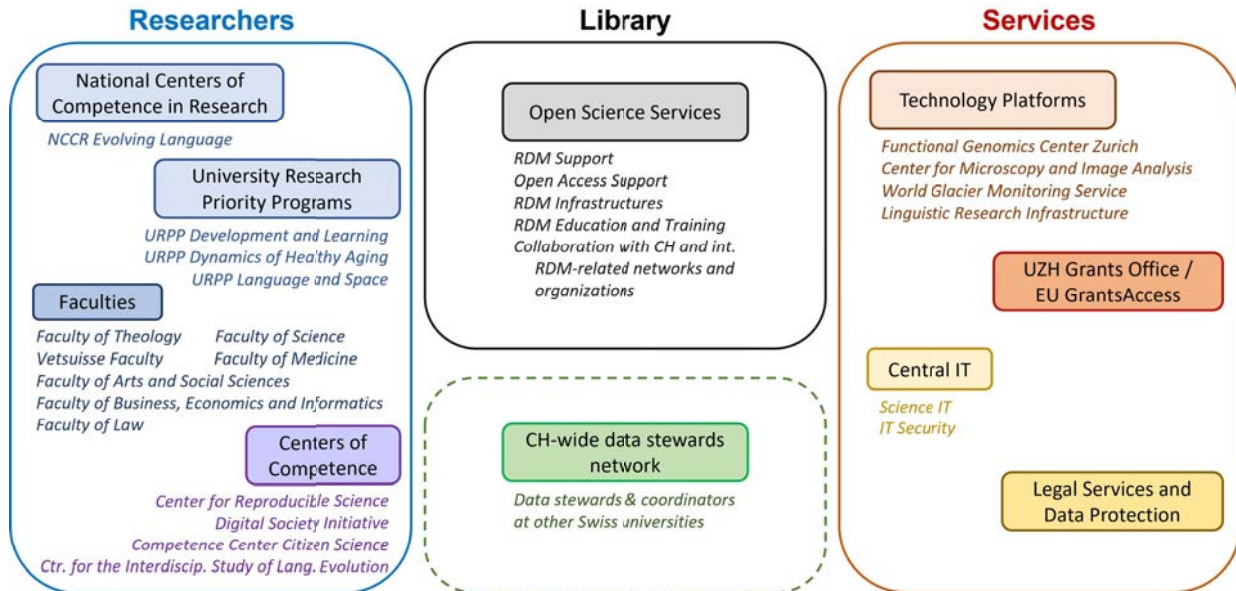
Responsable de projet :
Laurent Gobat
Université de Neuchâtel
Service information
scientifique et bibliothèque
Rue Emile-Argand 11
2000 Neuchâtel

Establishing a Data Stewards Network at the University of Zurich (UZH)

Susanna Weber¹, Andrea Malits¹

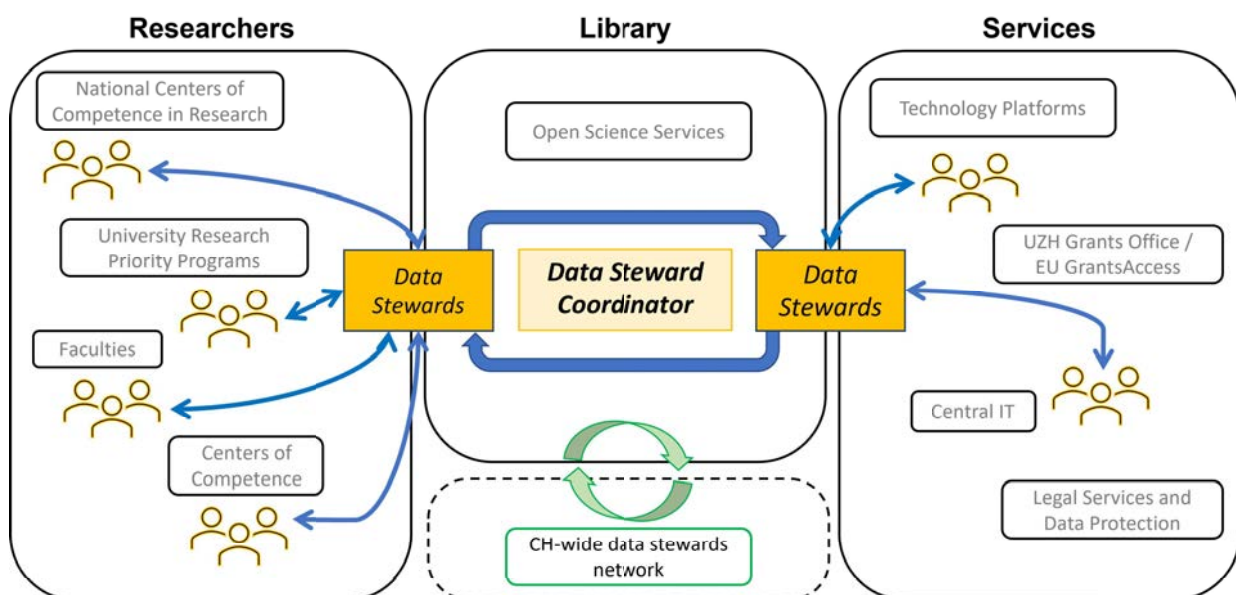
¹Universitätsbibliothek, Open Science Services, Universität Zürich

1. Current research data generation, management and services at the UZH



Research data landscape and research support & services at the UZH. Important research hubs at the UZH are the *Centers of Competence* as well as the *University Research Priority Programs*, which are made up of an interdisciplinary mix of researchers across faculties. Data collection may be supported by specialized *technology platforms* which offer access to equipment and technology, as well as support and training. The *Open Science Services* at the university library is the first point of contact for research data management (RDM) and offers general consulting and training concerning RDM and open data questions. The Swiss wide data stewards network is currently being established. The UZH plans to join this national data stewards network.

2. Planned Data Stewards Network at the UZH



Phase 1 : Onboarding of the Data Steward Coordinator

Phase 2 : Identification and recruitment of potential Data Stewards

Phase 3 : Establishment of a Data Stewards Network with regular exchanges, workshops and meetings

Phase 4 : Integration of the UZH Data Stewards Network into the national Network of Data Stewardship

Contact

Susanna Weber
Susanna.Weber@ub.uzh.ch

Data stewardship @USI



Università
della
Svizzera
italiana

USI community firmly believes in Open Science and Open Research Data

USI is moving towards the formulation and consolidation of RDM principles and best-practices

Professionalization of the Data Steward and definition of tasks tailored to specific needs

Dr. Igor Sarman
Research and transfer service (SRIT)
Research Data Manager
igor.sarman@usi.ch
+41 58 666 4790

RDM institutional strategy



Collaboration with USI management to draft and implement a long term strategy

Definition of institutional policies for everyday operations

Alignment to Swiss standards and procedures, especially on data FAIRness

Research databases



Monitor and administer databases owned by USI

Encourage dissemination and facilitate data reuse

Creation of an institutional register of available databases

Support in the process of obtaining, organizing and managing research data

Data Stewardship website



Online presence through the design of new and dedicated webpages

Relevant information concerning USI Data Stewardship-related activities and initiatives

Research databases, online repositories, guidelines and policies, calls for projects, events...

Training and support



Organization of tailor-made set of training cycles

Aim especially to young researchers – next generation of scholars

Facilitate the transition towards a FAIR-data mentality and teach appropriate RDM competences

Sinergies



Data Steward



Research service



IT



Legal department



Faculties



Library

Action Plan Data Stewardship ETH Zurich

Conference Poster**Author(s):**

Bucher, Andres; [Dederke, Julian](#) 

Publication date:

2023-04

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Action Plan Data Stewardship ETH Zurich

Andres Bucher, Dr. Julian Dederke

ETH Library, ETH Zurich, 8092 Zurich, Switzerland, data-management@library.ethz.ch

Institutional setting

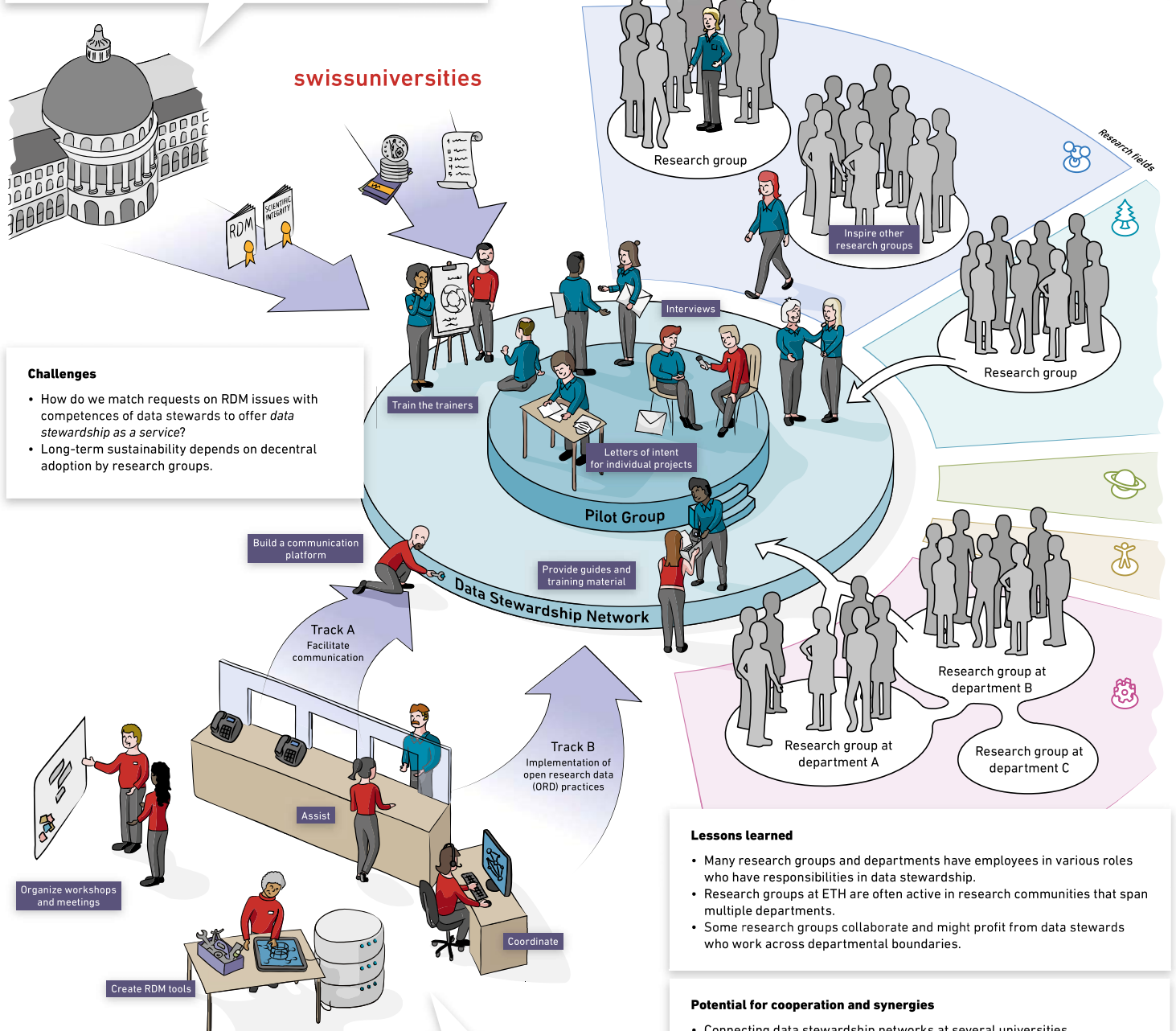
ETH Zurich has adopted a set of guidelines that define the framework conditions for scientific integrity and research data management (RDM). Researchers implement these guidelines autonomously according to their respective research fields.

ETH Zurich is home to a large diversity of research fields and their respective research data. This leads to a diversity in solutions.

Measures

To bring together the data stewards of various research groups, we have established a network that promotes exchange. A core group also implements its own projects and promotes the visibility of the network.

Look for **purple text boxes** to find different measures.



Challenges

- How do we match requests on RDM issues with competences of data stewards to offer *data stewardship as a service*?
- Long-term sustainability depends on decentral adoption by research groups.

Lessons learned

- Many research groups and departments have employees in various roles who have responsibilities in data stewardship.
- Research groups at ETH are often active in research communities that span multiple departments.
- Some research groups collaborate and might profit from data stewards who work across departmental boundaries.

Potential for cooperation and synergies

- Connecting data stewardship networks at several universities.
- Developing and sharing training and guidance material across institutions.
- Focusing on data stewardship in certain subjects (e.g. receiving humanities expertise from outside ETH Zurich).
- Spotlight on different role models at different institutions.
- How do other institutions combine central and decentral elements of data stewardship?

Project coordination

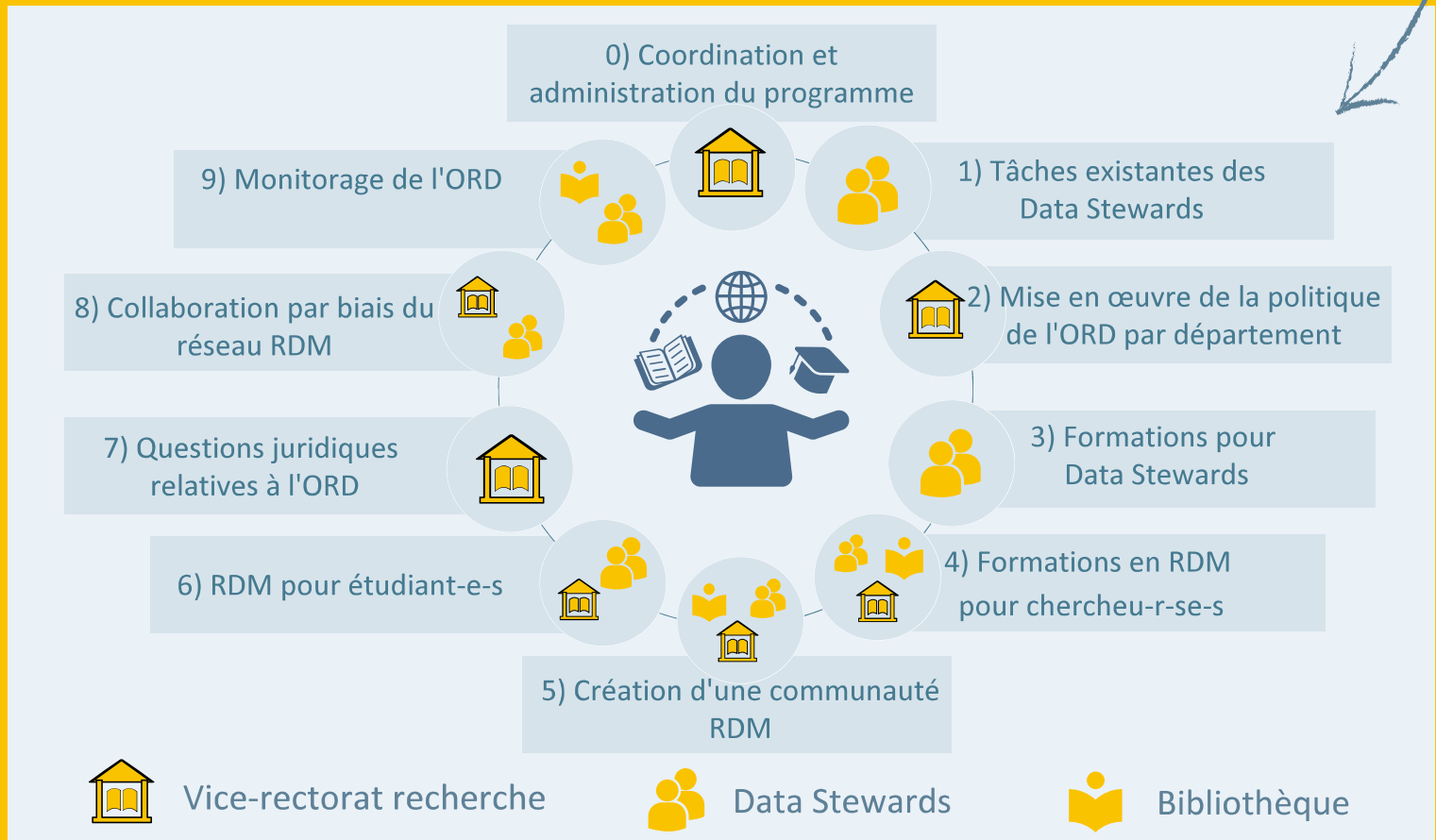
The *ETH Library* and *Scientific IT Services* have jointly established a Data Stewardship Action Plan for 2023 – 2024.

Project lead: Dr. Julian Dederke (ETH Library)

Stratégie de l'Open Science de la BFH



Mesures de "Data Stewardship"



Leçons

- Intégrer les Data Stewards à la recherche
- Définir une politique dès le début
- Clarifier les questions juridiques
- Réserver du temps pour la formation

Coopération

- Monitoring ORD
- Questions juridiques
- Éducation et communauté RDM
- Réseau RDM

Data Stewardship HES-SO

Responsables

Isabelle Lucas, cheffe de projet Open Science

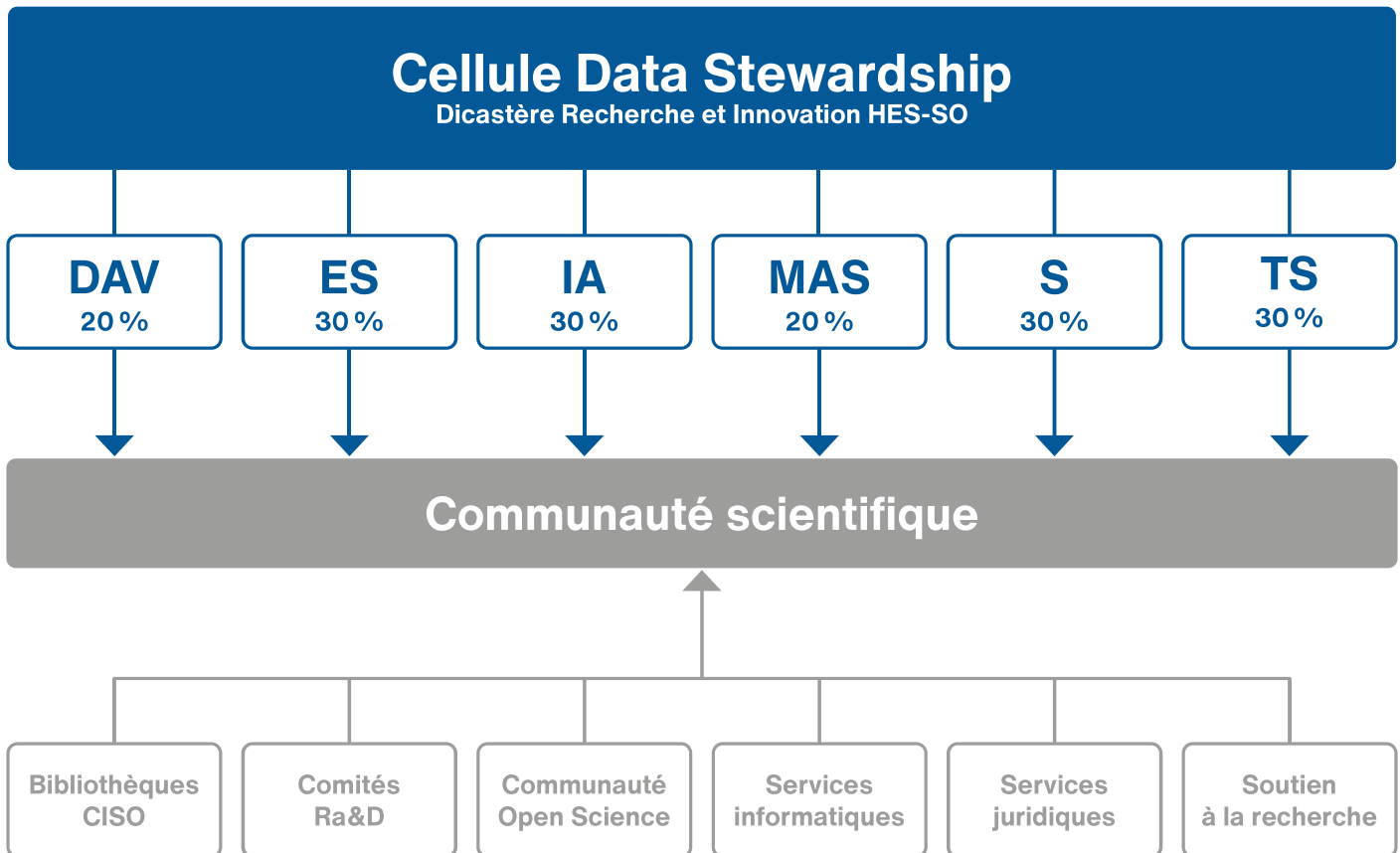
isabelle.lucas@hes-so.ch

Constance Delamadeleine, chargée de projet ORD

constance.delamadeleine@hes-so.ch

Rectorat HES-SO

Dicastère Recherche et Innovation



Mesures

- › 1 data steward/domaine
- › Co-construire les lignes directrices ORD/domaine
- › Former et conseiller
- › Favoriser les collaborations entre les parties prenantes

Défis

- › Pérenniser la cellule : convaincre de l'ampleur des besoins en matière d'ORD
- › Coordonner les activités avec l'ensemble des parties prenantes

Coopérations

- › CAS Data Stewardship UNIL
- › Echange de bonnes pratiques avec l'ensemble des institutions

Learning Lessons

- › Adapter la stratégie nationale selon les spécificités de la HES-SO
- › Nécessité d'engager des spécialistes ORD

PROJECT GOALS



adjusting to international (O)RDM standards



fostering the turn towards open research data



Starting with fostering the development of (O)RDM models in the schools of music, arts and teacher education

PROJECT MEASURES

- (A) developing an adequate set of regulations for (O)RDM
- (B) developing structures for (O)RDM at FHNW and School levels
- (C) optimizing established (O)RDM practices at FHNW level and in three of nine schools
- (D) analysing the demand for (O)RDM services and trainings
- (E) creating awareness
- (F) strengthening competences

CHALLENGES

- ① Designing (O)RDM regulations in accordance with the legal basis of FHNW
- ② Gathering the diverse "best" practices in the pilot schools
- ③ Translating the special needs of researchers in the field of music, arts and teacher education in rules and practices that are accepted
- ④ Creating awareness for (O)RDM at all levels of FHNW
- ⑤ Minimizing the gap between (O)RDM regulations and compliance by adequate regulations and supervision
- ⑥ Anchoring the data stewards in the FHNW/School environment in an optimal manner

LESSONS LEARNED

- > Wide gap of (O)RDM expertise needs to be bridged among different university departments and services affected
- > Bottom-up demand for (O)RDM is high, but awareness for (O)RDM at top-levels needs to be stepped up
- > Challenge: Responsiveness to consolidated (O)RDM varies according to the disciplines and key external research partners
- > Reforming Open Research Data Management requires a general RDM reform and thus affects a large variety of stakeholders

POTENTIAL FOR COLLABORATION

- Exchange of best practices in key disciplines we are not yet focusing on.
- Exploring the potential/need of regular exchange fora for data stewards
- Exchanging experiences with respect to knowledge creation/raising awareness of (O)RDM challenges
- Sharing best practices in design (and instruction materials) for (O)RDM trainings
- Exchange of know-how and experiences on e.g. IT tools and infrastructure

ORD Stewardship

Fachhochschule Nordwestschweiz FHNW

Vice Presidium for University Development

Project lead: Prof. Dr. Daniel Halter (daniel.halter@fhnw.ch)

Operative lead: Katharina Hoffmann (katharina.hoffmann@fhnw.ch)

Project administration: Marisa Eberle (marisa.eberle@fhnw.ch)

Data Stewardship an der Hochschule Luzern

Projektziel

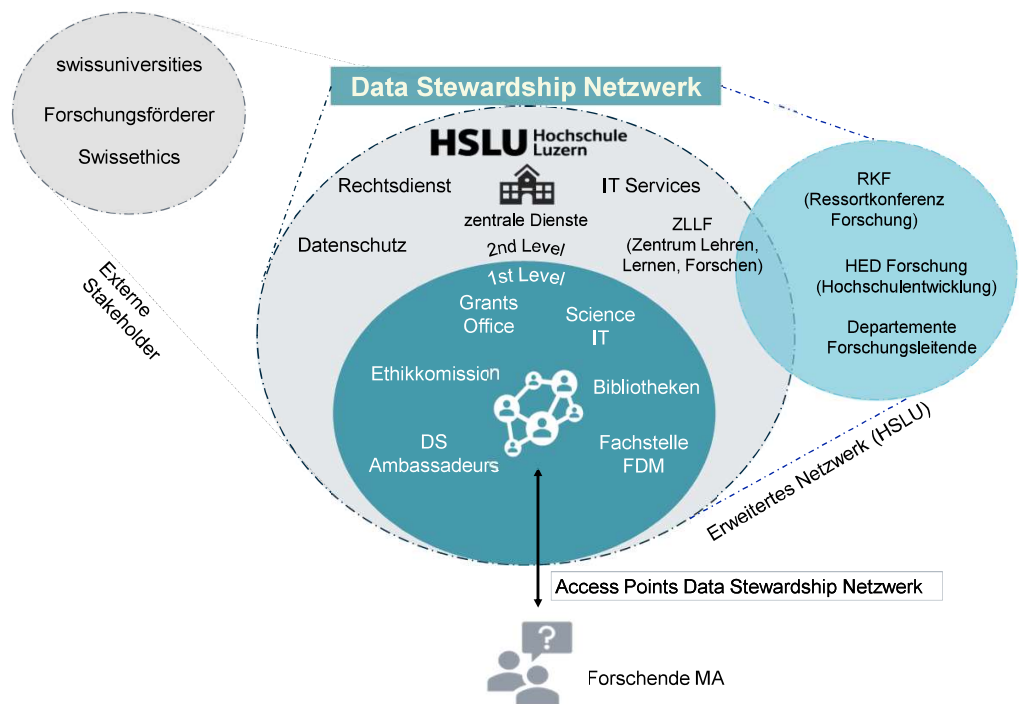
An der HSLU wird durch das Projekt ein «Data Stewardship» Netzwerk erschaffen, welches die bereits bestehenden Servicestellen miteinander vernetzt. Alle Stakeholder des Netzwerks sind ausgebildet, die notwendigen Informationen zu liefern oder an entsprechende Stellen weiterzuleiten. Zudem soll die Awareness und Akzeptanz bzgl. Open Research Data an der Hochschule weiter aufgebaut werden.

Massnahmen



Erste Schritte:

Netzwerk definieren



Herausforderungen:

- Generelle Ressentiments bzgl. ORD in angewandten Forschungsprojekten mit externen Partnern.
- FDM effizient in den Forschungsprozess integrieren, um den Mehraufwand für die Forschenden zu reduzieren, damit dieser dem resultierenden Nutzen gerecht wird.

Potenzial für vertiefte Kooperation / Nutzung von Synergien

- Schulungsangebot zu FDM für die Forschenden (OER)
- Übergreifende Sensibilisierungskampagnen (z.B. Love Data Week)
- Nutzung von gemeinsamen Plattformen für das FDM (z.B. Forschungsdaten.info)

Kontakt zum Projekt und Team



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SUPSI ORD Stewardship

Massimiliano Cannata - massimiliano.cannata@supsi.ch

Objectives for SUPSI as institution

Assimilate: support, value, adopt, showcase and reward ORD in institutional policies and in activities.

Align: guarantee that ORD policy and practice are aligned with national and international initiatives and properly consider flagship examples applied in the SUPSI context.

Support: offer services, tools, training, and resources required to support ORD.

Contribute: actively contribute at local, national and international level in advancing ORD strategies.

Objectives for each member of the SUPSI's academic community

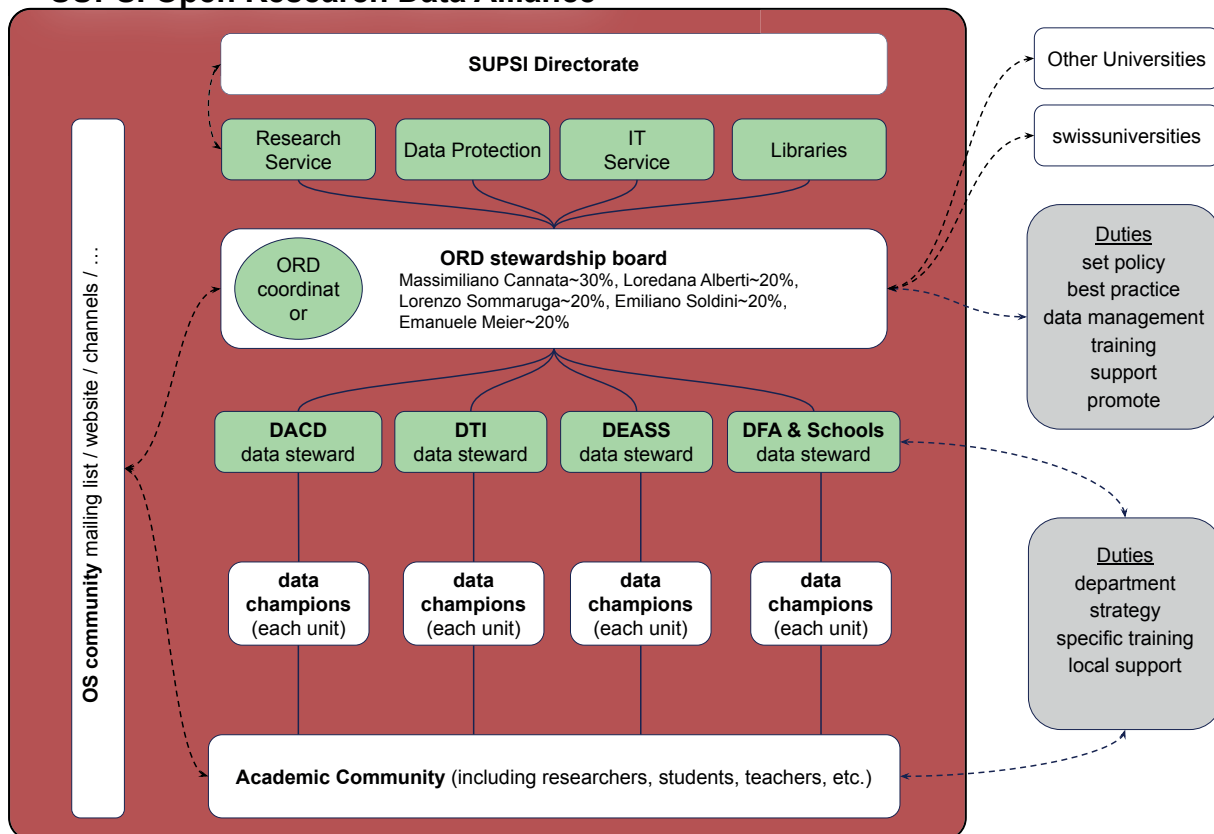
Understand: take part in courses and events to gain knowledge of ORD good practices and awareness of its positive impacts in research and innovation.

Apply: embrace and use a range of best ORD practices in research, teaching and learning.

Embed: include whenever is possible ORD policy, in research projects, communications and professional services.

Advocate: advocate ORD across SUPSI and beyond.

SUPSI Open Research Data Alliance



Milestone	Date	Description
-----------	------	-------------

M1 (6m)	31.06.2023	The SUPSI ORD-Alliance is established
M2 (12m)	31.01.2024	SUPSI ORD Stewards are trained
M3 (12m)	31.01.2024	SUPSI ORD infrastructures and guidelines are delineated
M4 (18m)	31.06.2024	SUPSI adopts the implemented ORD policy
M5 (24m)	21.12.2024	ORD awareness is reach by the SUPSI academic community

KEY ASPECTS

- **Valorize** In house competences forming the stewards
- Create inter-dipartmental **network** and collaborations
- Identify SUPSI **guidelines** and needs
- **Engage** researchers with training and communication

PREPARING READINESS FOR DATA STEWARDSHIP – FH GRAUBÜNDEN



CHALLENGES

The FHGR (University of Applied Sciences Graubünden):

- is a small institution with limited number of staff (both researchers as well as supporting staff)
- its research focus is on applied projects
- as such, Open Science mandates by SNF and the like mostly don't apply to the research done at FHGR (sometimes the "openness" of research is explicitly blocked by the financing partners)
- therefore, both the demand for Open Science infrastructure or services as well as the foreseeable budget from research projects is limited

Nevertheless, FHGR needs to be ready for situations whereby researchers or funders claim interest in Open Science or some of its components

PROJECT GOAL

The FDM Readiness project aims to build up the necessary competences at the FHGR to respond to possible future demands concerning Research Data Management.



PROJECT PLAN

WP 1: Collecting lessons learned from comparable institutions

WP 2: Workshop on actionable tasks with internal stakeholders

WP 3: Building up competencies for the relevant stakeholders

WP 4: Work on infrastructures

WP 5: Stress test the readiness of the FHGR (simulation of use cases)

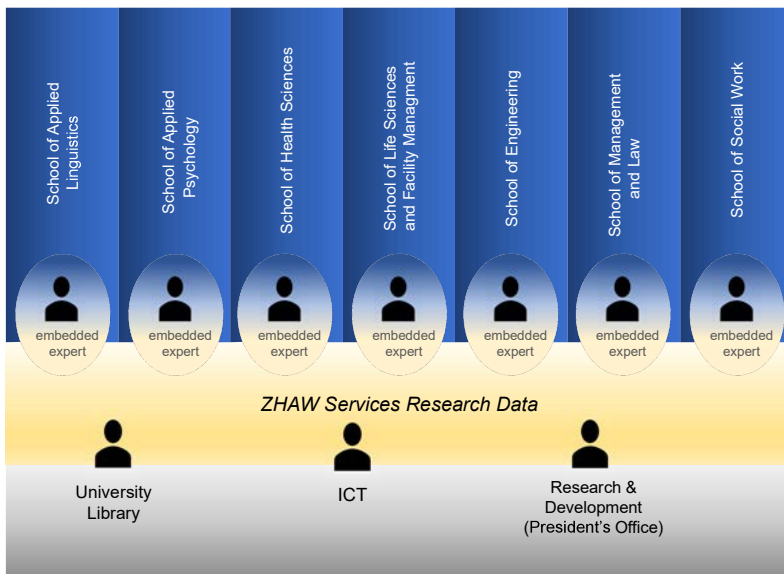
Integrating discipline-specific Know-How into Data Stewardship (DSEmbedded)

Contact

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Measures in a nutshell

The central unit *ZHAW Services Research Data* (2.8 FTEs) is complemented by 7 «**embedded experts**», that is, researchers and lecturers with proven skills and interest in RDM who allot up to **0.2 FTEs** of their workload to support tasks and the development of good RDM practices in their respective disciplines



Organization of ZHAW's Data Stewardship

We are looking for potential collaboration with other HEIs in

- Drawing up cross-institutional communities in various areas of RDM
- Pooling and sharing know-how on data anonymization and reproducible data workflows



Goals

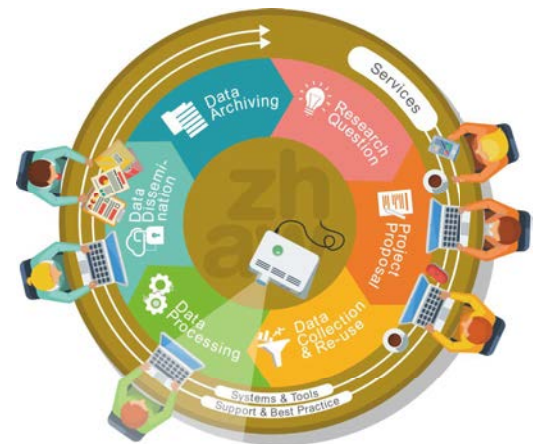
- Make RDM «FAIR(er)»
- Increase ORD output
- Incentivize reuse of data
- Make a solid RDM more time-efficient
- Scalable model of Data Stewardship

Guiding principles

- Bottom-up
- Discipline-specific
- Consider the background of different researchers
- Pool know-how: mutual support and knowledge exchange between departments and research disciplines
- Create a sustainable solution

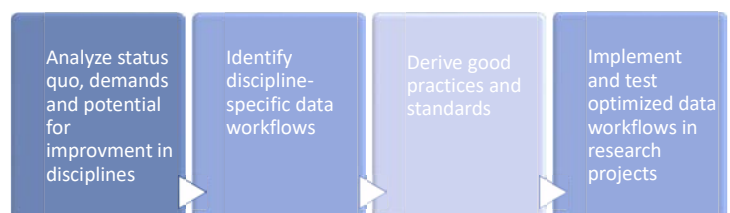
Fields of action

- Support and trainings along the Data Life Cycle with the involvement of embedded experts



Data Life Cycle

- Optimize discipline-specific data workflows by the following process:

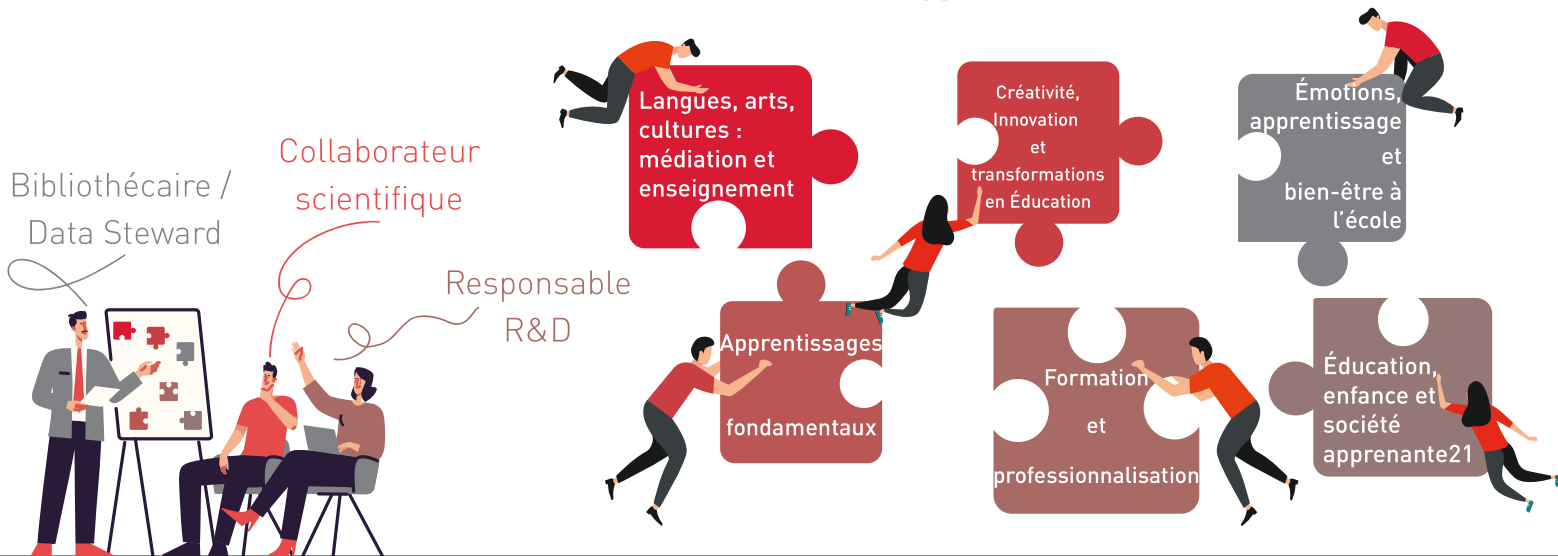




Wallis Open Research Data and Stewardship

Mise en place du soutien à la gestion des données de recherche
à la Haute école pédagogique du Valais

Domaine Recherche & Développement



Mesures prévues pour 2024

Créer une **commission ORD** rassemblant des expert-e-s de différents domaines

Etablir le **domaine R&D** comme **point de contact** institutionnel pour la GDR et l'ORD

Développer une **stratégie institutionnelle ORD**

Fournir un **conseil** et des **services** efficaces pour la rédaction et la relecture des **DMP**

Organiser des **entretiens avec les équipes de recherche** pour situer l'état de la GDR

S'auto-former, former et sensibiliser à la GDR et à l'ORD

Favoriser des **synergies entre hautes écoles** et recourir à des **expert-e-s externes**

Participer à des **événements inter-institutionnels** et **réseaux d'expert-e-s**



Défis à venir

Accompagner au changement de culture au sein de l'institution

Monter et faire monter en compétences

Proposer des services et des outils efficaces

S'adapter à un contexte en constante évolution

Créer des partenariats et encourager les synergies



Dr. Silvan Imhof (Projektleitung), Prof. Dr. Judith Hangartner

Zentrum für Forschungsförderung, Institut für Forschung, Entwicklung und Evaluation, PHBern

PROJEKT «ADASTE:PHBERN»

Aufbau von Data Stewardship an der Pädagogischen Hochschule Bern (PHBern)

ADASTE:PHBern

Projektverantwortung

Prof. Dr. habil. Doris Edelmann

Institution

Pädagogische Hochschule Bern (PHBern)

Institut für Forschung, Entwicklung und

Evaluation (IFE)

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Projektlaufzeit

1. Januar 2023 bis 31. Dezember 2025

Ziele

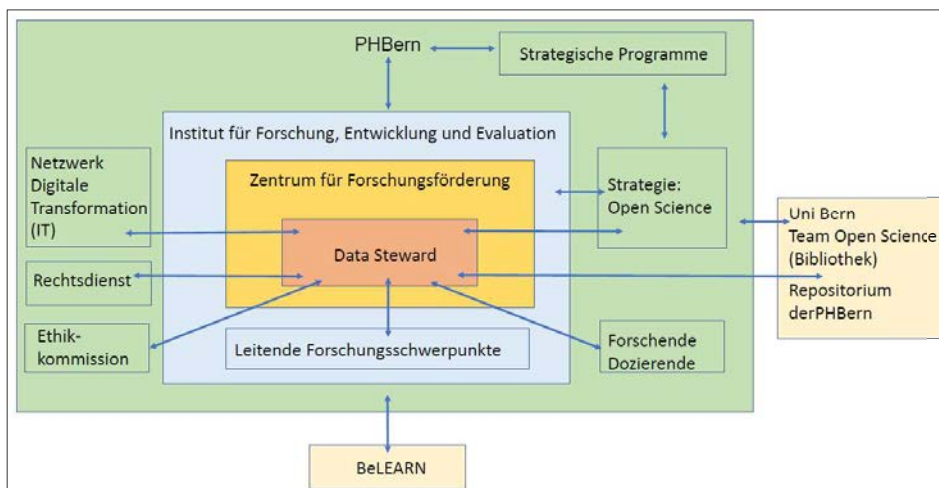
- Umsetzung der nationalen ORD-Strategie an der PHBern
- Umsetzung und Einhaltung der FAIR-Prinzipien für Forschungsdaten
- Aufbau von Data Stewardship an der PHBern am Zentrum für Forschungsförderung (ZFF)
- Entwicklung von Richtlinien und Prozessen für den Umgang mit Forschungsdaten

Massnahmen

(Zentrum für Forschungsförderung)

- Anstellung einer **Fachperson** Data Stewardship
- Einrichtung einer **Anlaufstelle** für ORD-Fragen, Beratungen und Unterstützung
- Realisierung von **Informationsveranstaltungen**, Schulungen und Workshops
- **Dokumentation** von Standards für ORD
- Aufbau von internen und externen **Kooperationen**

Organisatorische Einbettung



Kooperationen

Intern

- Netzwerk Digitale Transformation (IT)
- Rechtsdienst
- Ethikkommission der PHBern
- Forschungsschwerpunkte, Forschende, Dozierende

Extern

- BeLEARN
- Open Science Team der Universitätsbibliothek Bern
- OA-Repositorium der PHBern
- Repositorien für Forschungsdaten (FORS, SWISSUbase)

Umsetzung

- Anstellung und Einarbeitung einer **Fachperson** Data Stewardship (1. Januar 2023)
- Erster **Austausch** mit internen Kooperationspartnern (Forschungsschwerpunkte, Forschende, Netzwerk Digitale Transformation)
- Initiierung der **Ethikkommission** der PHBern (Aufnahme der Tätigkeit August 2023)

Aufgaben und Herausforderungen

- **Aufbau von Expertise** im Bereich Forschungsdatenmanagement; Weiterbildung der Fachperson
- Sensibilisierung, **Information** und Schulung der Forschenden im Bereich Forschungsdatenmanagement
- Berücksichtigung der **ethischen und rechtlichen Aspekte** im Umgang mit Forschungsdaten
- Fragen der internen und externen **Infrastruktur und Prozesse** in Bezug auf ORD: Data Lifecycle Management, Archivierung von Forschungsdaten (FORS, SWISSUbase)
- Integration von **Digitalität und Forschung** ins Netzwerk Digitale Transformation der PHBern
- Initiierung der **Kooperation** mit externen Partnern
- **Austausch** mit ähnlichen Projekten und Institutionen

Data Stewardship: Wo stehen wir?

(Marianne Mischler, wissenschaftliche Mitarbeiterin, WDB, PH Zug; marianne.mischler@phzg.ch)

Meilenstein 1: rechtliche und technische Abklärungen

- Datenschutzgesetz
- Anonymisierungsmöglichkeiten, Umgang mit pseudonymisierten Daten
- Klärung der Eigentumsrechte der Daten
- technische Fragen / Infrastruktur

Meilenstein 2: Verfassung der ORD Policy

Grundsatzfrage:

Verfassung einer Open Science Strategie oder individueller ORD und OA Strategien?

Kooperationen, Zusammenarbeit

- Koordination mit anderen Hochschulen bspw. betreffend Metadatenstandards
- Einsitz in AKORD
- regelmässiger Austausch mit anderen Hochschulen



Bereitschaft der Forschenden für die Veröffentlichung von Forschungsdaten

- Wenn keine technisch-administrative Betreuung der Daten anfällt.
- Wenn keine zusätzlichen Kosten entstehen.
- Wenn eine Sperrfrist möglich ist.
- Wenn keine zusätzlichen Kosten entstehen.
- Wenn die eigene Forschung und das Projekt abgeschlossen sind.

Geplant sind Beratungs- und Schulungsangebote zu folgenden Themen:

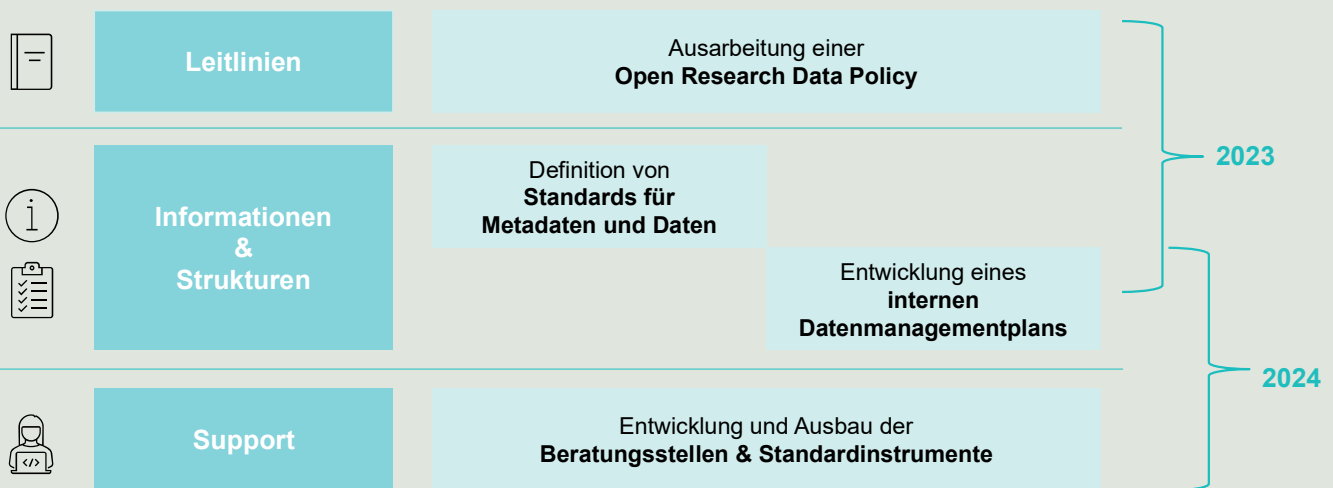
- Daten Management Plan (DMP) / «good practices»
- Rechtliche und ethische Fragen im Zusammenhang mit ORD, im Speziellen betreffend der Einverständniserklärung der Versuchsteilnehmenden.
- Was ist zu beachten bei der Speicherung und Sicherung von Forschungsdaten?
- Metadaten, was ist damit gemeint, nach welchem Standard werden sie verfasst?

Massnahmenplan PH Zürich

Ausschreibung B5.2

Alexandra Schättin, Marcel Behn, Roberto Sala
Geschäftsstelle Forschung & Entwicklung, PH Zürich

Überblick Massnahmen



Gegenwärtige & voraussichtliche Herausforderungen

Hochschulinterne Prozesse

- Interdisziplinärer Austausch
- Zeitintensive Prozesse
- Einbindung unterschiedlicher interner Fachstellen
- Integration in bestehende Abläufe und Weisungen

Forschende

- Bewusstsein für Open Research Data
- Heranführen und Integration in den Prozess

Umsetzung

- Aufarbeitung qualitativer (und quantitativer) Daten
- Umsetzung der Anonymisierung (Foto, Video, Interview etc.)
- Wiederverwendbarkeit projektspezifischer Daten
- Kosten-Aufwand-Nutzen-Verhältnis



Erste Lessons Learned

- Förderung des Bewusstseins von ORD bei Forschenden
- Abwägen von Vorteilen und Herausforderungen
- Forschende, die Prozesse bereits umsetzen oder planen
- Individuelle Anpassung von existierenden Instrumenten
- Start Pilotierung von internen Forschungsprojekten



Kooperationen & Synergien

- Austausch mit Instituten mit sozialwissenschaftlichem Fokus
- Austausch mit Pädagogischen Hochschulen
- Durchführung von Workshops (thematische Schwerpunkte)
- Erarbeitung von standardisierten Instrumenten
- Diskussionen über bewährte Vorgehen und Methoden

Kontakt

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