Spencer Bliven & Leo Sala :: Science IT Infrastructure and Services :: Paul Scherrer Institute

Expert Group for Services & Infrastructure: Measures 2 & 4

2021-12-02 Update for PSI stakeholders

WIR SCHAFFEN WISSEN – HEUTE FÜR MORGEN

Measures

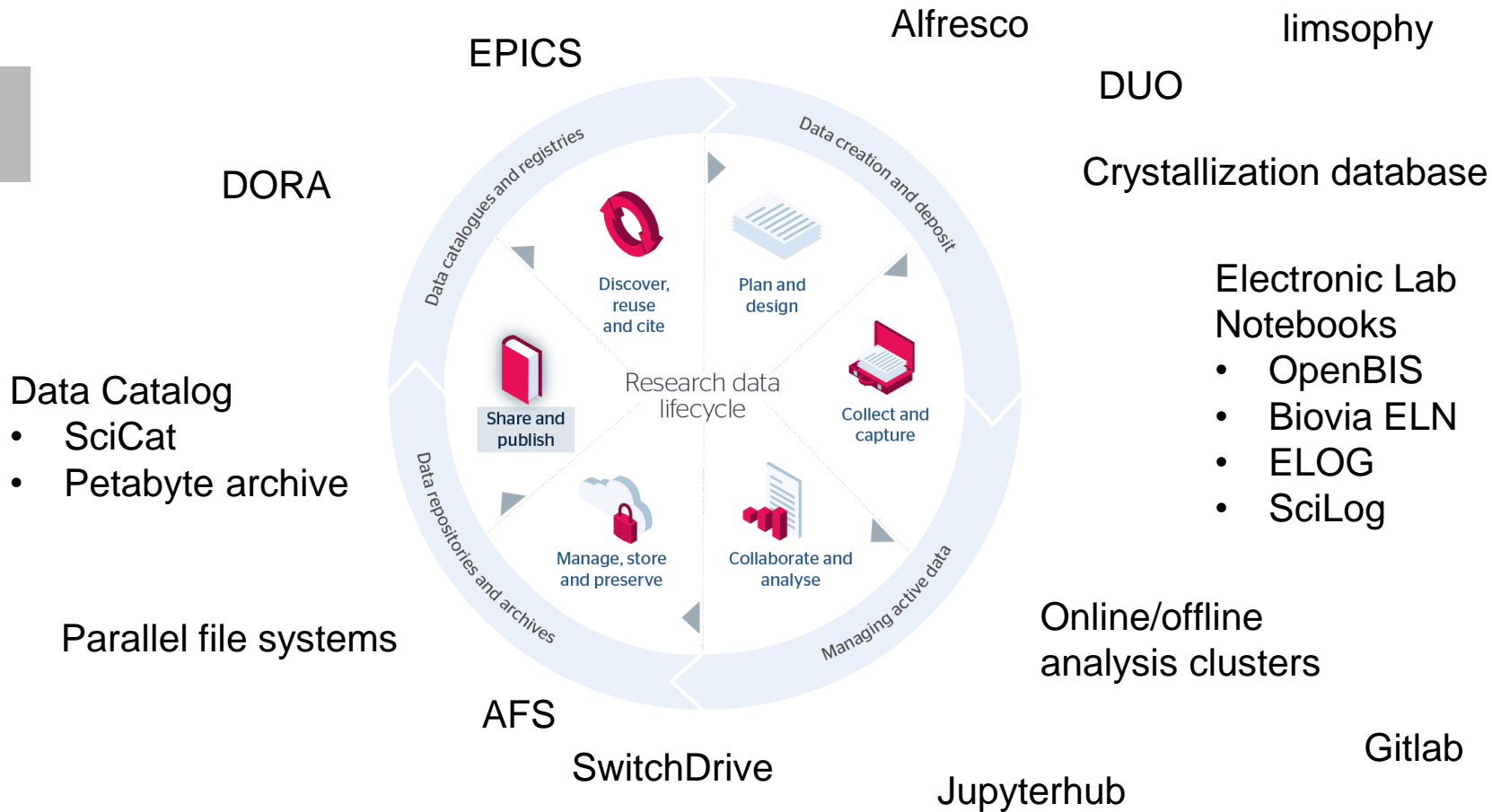| #	Measure	Budget (kCHF)
1	Call for Field-Specific Actions	10'000
2	**Coordination of Access to Research Data Management Services and Infrastructure**	3800
3	Development of Online Course Material	100
4	Information on Legal Questions	150
5	Career Paths for ORD Professionals	100
		15'000

Expert Group for Services and Infrastructure

- Expert Group for Services and Infrastructure (EG-SI): its emphasis is on improving the availability and interoperability of ORD services and infrastructure; it focuses on Measures 2 and 4.
  - PSI represented by Leo Sala, Nicola Marzari, Spencer Bliven
- Immediate focus is measure 2: Research data management (RDM) services and infrastructure

Measure 2 Goals

1. Identification of existing research data management (RDM) services within the ETH Domain
2. Standardization, federation, or mutualization of existing services across institutions of the ETH Domain *where this is efficient and leads to added value* by contracts between the providing and adopting institution
3. Identification of limitations of interoperability of the existing services and gaps in existing services
4. Improvement of interoperability of existing services and filling of gaps in services.

Data Lifecycle

PAUL SCHERRER INSTITUT
PSI

Alfresco

limsophy

EPICS

DUO

DORA

Crystallization database

Data catalogues and registries

Data creation and deposit

Discover, reuse and cite

Plan and design

Research data lifecycle

Share and publish

Collect and capture

Data repositories and archives

Manage, store and preserve

Collaborate and analyse

Managing active data

Electronic Lab Notebooks
- OpenBIS
- Biovia ELN
- ELOG
- SciLog

Data Catalog
- SciCat
- Petabyte archive

Parallel file systems

Online/offline analysis clusters

AFS

Gitlab

SwitchDrive

Jupyterhub

EG-SI Activities

- Summarize existing services & tools at each ETH institution
- Identify gaps in existing ORD services & infrastructure
- Identify synergies/overlaps within ETH domain
- Suggest projects
  - 3.8 MCHF budget
  - Matching funds from institutes
  - Will likely be a closed call based on institute priorities

Measure 4: Information on Legal Questions related to ORD – handled by EG-SI

Goal

Develop a consolidated legal document, which can be used as a common reference and guidance in understanding the legal situation of ORD within the ETH Domain.

Objectives and tasks

Collection of a question catalogue for legal questions related to ORD. Questionnaire to be answered by experts in digital law (i.e. https://ccdigitallaw.ch, swissuniversities P5 program or EMPA legal team). Legal document to be drafted (in accordance with ETH Regulation) and harmonized with each institution. Training material to be elaborated for the onboarding of new employees.

Call to action

- Consider the vision of how to make PSI science more open and fair in the future.
- Provide feedback to the PSI committee regarding PSI needs, priorities, and potential projects
  - The earlier the better, but the expert group report is planned for late March/April