OLOS in Action!

OLOS Introduction and Demonstration Webinar
Live on Wednesday November 25th, 2021 @13:30 CET
Agenda

1. Introduction
2. Demo
3. Try it yourself!
4. OLOS guides
5. Q&A
1 | Requirements & expectations

Data Management

Metadata, NAS, Findable, Citation, Active data management, Repository, Legal obligations, Institutional Policy, Funding opportunities, Institutional Policy, Data sharing, Archive, Standards, ELN, Licenses, Ethics, Copyrights, Reusable, SNSF, Long-term preservation, Electronic Laboratory Notebooks, Naming, Rules, DMP, Research, Data Management Plan, Collect, Rights, Data storage, Interoperable, Anonymisation, DOI, Accessible, File formats, Organize.
1 | FAIR Principles

**Findable**
Additional data and documents have sufficiently rich metadata and a unique and persistent identifier.

**Accessible**
Metadata and data are understandable to humans and machines. The data are stored in a reliable repository.

**Interoperable**
Metadata use a formal, accessible, shared language that applies to all forms of knowledge representation.

**Reusable**
Data and collections have a clear license to use and provide accurate information about where they come from.

CC-BY-SA 4.0 Sangya Pundir [https://upload.wikimedia.org/wikipedia/commons/a/aa/FAIR_data_principles.jpg](https://upload.wikimedia.org/wikipedia/commons/a/aa/FAIR_data_principles.jpg)
SNSF policy on Open Research Data

“Research data are the evidence that underpins the answer to the research question, and can be used to validate findings regardless of its form (e.g. print, digital, or physical).”

Concordat on Open Research Data, published on 28 July 2016

The SNSF values research data sharing as a fundamental contribution to the impact, transparency and reproducibility of scientific research. In addition to being carefully curated and stored, the SNSF believes research data should be shared as openly as possible.

The SNSF therefore expects all its funded researchers

- to store the research data they have worked on and produced during the course of their research work,
- to share these data with other researchers, unless they are bound by legal, ethical, copyright, confidentiality or other clauses, and
- to deposit their data and metadata onto existing public repositories in formats that anyone can find, access and reuse without restriction.

Research data is collected, observed or generated factual material that is commonly accepted in the scientific community as necessary to document and validate research findings.
✓ Developed as part of the DLCM project
✓ Repository for Swiss researchers
✓ Swiss-based servers (original & copy)
✓ Compliant with FAIR principles & provides a DOI
✓ Any format across all scientific disciplines
<table>
<thead>
<tr>
<th>**1</th>
<th>Based on needs analysis &amp; user feedback**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>49</strong></td>
<td>interviews in 30 different disciplines during the DLCM pre-study in 2014</td>
</tr>
<tr>
<td><strong>21</strong></td>
<td>participants of 4 focus groups from UNIGE &amp; ZHAW</td>
</tr>
<tr>
<td><strong>49</strong></td>
<td>first archived datasets on Yareta analyzed in depth</td>
</tr>
<tr>
<td><strong>123</strong></td>
<td>participants to the OLOS launch session at SRDD2020</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>participants from EPFL and UNIGE on a first web portal prototype</td>
</tr>
<tr>
<td><strong>70</strong></td>
<td>members across 8 swiss HEIs involved in the DLCM project in 2015-2018</td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>interviews of researchers using Yareta at UNIGE</td>
</tr>
<tr>
<td><strong>160+</strong></td>
<td>support requests from all the HEIs of the Canton of Geneva on Yareta</td>
</tr>
<tr>
<td><strong>12</strong></td>
<td>participants from UNIGE on the final prototype of the web portal</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>participants from ZHAW and UNIGE on a second iteration of the web portal prototype</td>
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<tr>
<td><strong>60</strong></td>
<td>staff members involved in the 11 DLCM project pilot projects at ZHAW in 2018-2020</td>
</tr>
<tr>
<td><strong>85</strong></td>
<td>participants to 8 training sessions on Yareta given at UNIGE in 2019-2020</td>
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Welcome to Olos
The consultation and archive portal of Switzerland

Search for an archive

Getting started
If you want to upload research data to OLOS, this series of guides demonstrates the basics of connecting an existing SWITCH account to OLOS, requesting the creation of a new Organizational Unit, adding your team members, and beginning to manage your data on OLOS.

1. Getting started with OLOS: Plan your request
2. Getting started with OLOS: Connect a SWITCH ID
3. Getting started with OLOS: Ask for an Organizational Unit
4. Getting started with OLOS: Add team members and assign roles
Organizational units: Allow archiving and sharing data from a project, a department, a lab or research group, etc…
## Members roles

<table>
<thead>
<tr>
<th>Action</th>
<th>Role</th>
<th>Guest (no account)</th>
<th>Guest (with account)</th>
<th>Visitor</th>
<th>Creator</th>
<th>Approver</th>
<th>Steward</th>
<th>Manager (obligatoire)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search metadata of all archives and download data from public archives</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Download data from restricted archives</td>
<td>✓(1)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Download data from closed archives</td>
<td>✓(1)</td>
<td>✓(2)</td>
<td>✓(2)</td>
<td>✓(2)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Create deposits</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Approve deposits</td>
<td>✓(3)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Manage deposits and archives</td>
<td>✓(4)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Manage organizational Unit and team member roles</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>✓</td>
</tr>
</tbody>
</table>

(1) Case-by-case basis
(2) Manager, Steward + authorized members (case-by-case)
(3) Depends on the chosen submission policy: DEPOSIT WITHOUT APPROVAL > Creator / DEPOSIT WITH APPROVAL > Approver
(4) Data Steward is a recommended role that brings added value to an Organizational Unit

Pour plus d’information : https://olos.swiss/doc/faq
2 | Compliance levels ★★★

No analysis

- Size
- Media type (MIME type)

- Format file (PUID)

- Golden Format

PUID = PRONOM Unique Identifiers (The National Archive, UK)  
https://www.nationalarchives.gov.uk/PRONOM

Golden Format = recommended formats for long term preservation  
(Library of Congress, USA)  
https://www.loc.gov/preservation/resources/rfs/
2 | Primary data types

Observational

Simulation / models

Experimental

Derived / compiled

Reference
2 | CC licenses

https://creativecommons.org/choose/

"Choo-Choo Choose Your License!"

Do you waive all interests in your works and thereby place them as completely as possible in the public domain?

Do you allow adaptations of your work to be shared?

May others copy and redistribute the material in any medium or format?

Do you allow commercial uses of your work?

*it depends = yes, as long as others share alike (meaning: They use the same license as you.)

This Graphic “Choo-Choo Choose your license!” is based on the work “Welche CC-Lizenz ist die richtige für mich?” by Barbara Klute and Jörn Mauß-Merholz for wb-web*. The English version is a translation and enhancement by Jörn Mauß-Merholz under the same license. 

* http://www.wb-web.de | ** https://creativecommons.org/licenses/by-sa/3.0/deed.de
EASY AND USEFUL FEATURES
✓ Control access to your data
✓ Define your data retention period, licenses, etc.
✓ Choose your workflow, with or without validation
✓ Keep your folder structure

SUITEABLE TO YOUR NEEDS
✓ Try it yourself!
✓ Receive assistance for large datasets, etc.
✓ Customize the metadata schema to your field
✓ Integrate OLOS to your research environment

COMPLIANT WITH POLICIES
✓ Complies with Swiss law
✓ Follows FAIR principles
✓ Assigns a persistent identifier (DOI)
✓ Eligible for funding from the SNSF for data upload
✓ Complies with 12 open and international standards, protocols, and registries
Welcome!

This is the test server for OLOS. Feel free to use it at your leisure.

Please keep in mind that any data deposited here is not permanent, the DOIs are not real, requests will not be processed, and that this instance cannot handle deposits larger than 1GB.

How to get started:

1. Log in with your institutional ID or SWITCH edu-ID
2. Fill out this contact form so we can add you to an organizational unit
3. Try it out and send us your feedback here!

DLCM sandbox: https://sandbox.dlcm.ch/portal
Welcome to Olos
The consultation and archive portal of Switzerland

FAQ
Not sure how to create your SWITCH edu-ID account? Wondering how you can upload large datasets?
Take a look at our FAQ to find the answers to these questions and more.

Create a Deposit
First step to archive your data

Search for an archive
Search for publications in public or private archives

Guided tour

User guide
Token
Principal
Deposit
Metadata repository
Deposit data
Preservation space
Organizational unit

Tweets by OLOS
@OLOS
Have you signed up for the OLOS webinar yet? Join us on April 18th from 13:30 to 14:15 GMT to learn about how OLOS can keep your personal research data and preserve it on the long-term!
Register here: olos.swiss/news/olos-acti...
Contact us >  olos.swiss/contact

Integrate with your lab equipment

  - DLCM integration guide > https://sandbox.dlc.m.ch/administration/docs/DLCM-IntegrationGuide.html

Sign up for our newsletter >  olos.swiss/newsletter/register