DLCM for Research Data Governance
Swiss National Initiative

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Considerations ...

**Research Data Lifecycle Management**

Processing of the entire information derived from the research activities during its whole life cycle ...

**Audience profile**

Researchers and teams, Research head & Research administrators, research assistants, Students, Information professionals, consultants
Agenda

DLCM project

- As a National Service
- Needs Exploration: Main Results
- Objectives

Consulting, Training and Teaching in DLCM

- Objectives & deliverables
- Illustration of implemented services: DLCM Coordination Desk
2015-2018
~10 mio
Swiss Universities, P5 programme

DLCM Project as a National Service
2015-2018

Logo of the DLCM project (Source: Rok roskarr, ETHZ)

28/11/2017
B. MAKHLOUF SHABOU, PhD
Needs Exploration: Main Results

- 49 interviews
- 30 disciplines
- 6 institutions

Source: P-Y Burgi, 2016
Objectives

1. Guidelines, Policies, and Data Management Plan (DMP)
2. Active Data Management
3. Preservation and Publication
4. Consulting, Training and Teaching
5. Project Outreach
Tracks & Delivrables

- **Outreach & Dissemination**
  - Track 5 (SWITCH)
  - Sensitizing campaigns
  - Branding and technical operation of the portal
  - Connecting with relevant national and international bodies

- **Consulting & Training**
  - Track 4 (HEG/HEGIS)
  - Consulting services in every partner institution
  - Inventory of DLCM training modules
  - DLCM training modules
  - Integration in LIS studies

- **Active Data Management**
  - Track 2 (ETHZ-T)
  - Market analysis
  - ELN/LIMS solutions and support
  - VREs for Digital Humanities
  - Working solutions for scientific facilities
  - Specification of the DLCM toolkit
  - Software storage solutions

- **Project Management**
  - Track 0 (UNIGE NTIC)
  - Coordination & regular reports
  - Business model for an operational service

- **Guidelines, Policies & Data Management Plan**
  - Track 1 (EPFL Library)
  - Guidelines, resources and policies material for Switzerland
  - National portal content design, charter and business model
  - DMP guidelines and policies

- **Publication & Preservation**
  - Track 3 (UNIGE NTIC)
  - Gap analysis of repositories
  - Toolbox for building SIP-ADI-DIP
  - GUI adapted to different tools
  - Prototype of an OAIS-compliant infrastructure
  - Business model for long-term preservation of data

**DLCM**

Interfaces (APIs) & Web services
Track 4: Consulting, Training and Teaching

4.1 Consulting
- DLCM consulting services
- Link to other national and international projects

4.2 Training
- Inventory of DCLM training modules
- Development of DCLM training modules

4.3 Teaching
- Teaching modules for integration into LIS courses
Track 4: Objectives & Delivrables

Consulting Services

- Development of use-cases
- Implementation of consulting services within partner institutions
- Set up of a national coordination desk

Training Modules

- Conception of general training modules catalog
- Development of specific training modules

Teaching Modules

- Teaching module creation and integration into the optional information governance’ module of HEG Master in Information Sciences (in 2017)
How it works? Workflow researcher request processing …

- Access to DLCM portal dlcm.ch
- Contact Coordination Desk DLCM
  - Focal point in your institution
    - provide needed information with customised support
  - expert referral:
    - Training
    - Consulting
- Request management
  - "support desk"
  - knowledge based services
Performed pilots …
The DLCM project offers to researchers the opportunity to exchange valuable materials, tools, methods, infrastructure to be able to acquire the needed knowledge for managing research data from the creation to disposition and the preservation of those data.

It shows how we can extend the life our research data to be shared properly, used and re-used for high exploitability…

It helps developing knowledge and expertise to establish good practices needed for Open science…

It help considering ethical and methodological of scientific research processes

It provides a significant support for researcher to comply funders requirements!

For that training, consulting and teaching remains the key services in research data management
Read more …

• DLCM Project, 2016: [dlcm.ch](http://dlcm.ch)


• University of Geneva, DISTIC, 2016 [https://prezi.com/jwd2ilsrwruc/research-dlc/](https://prezi.com/jwd2ilsrwruc/research-dlc/)

• UK Data Archive « Research Data Life-Cycle », 2015 [http://www.data-archive.ac.uk/create-manage/life-cycle](http://www.data-archive.ac.uk/create-manage/life-cycle)

• Mackenzie Smith. Research Data Management: Practical Strategies for Information Professionals, 2014

• Nicolas Budin. Management of research data at the University of Lausanne: Analysis of needs and existing solutions, 2014

QUESTIONS?
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