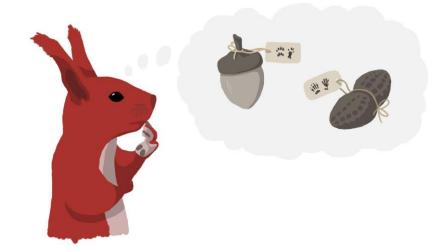
ETH zürich



Learning Goals



 You understand which steps the Data Lifecycle (DLC) contains and which tasks they entail for your project.

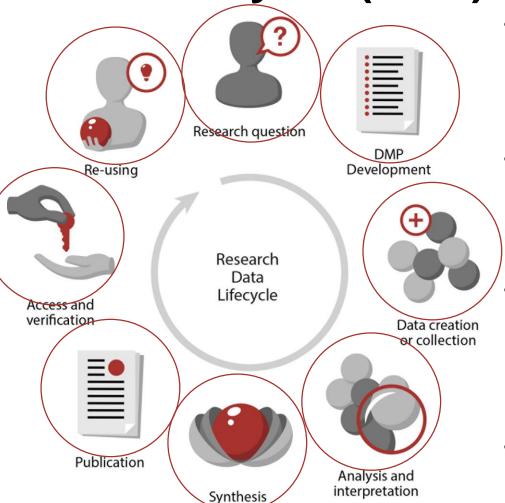
 You know which services are available at ETH and where to turn for support during key steps of the DLC.

The Research Data Lifecycle (DLC)

- Reuse relates to
 - primary data
 - processed data
 - analysis scripts / code
- Open or restricted access
- Sensitivity / confidentiality
- Publication of
 - manuscripts/books/papers

ETH Library

- data and documentation
- analysis scripts / code
- Open Access options



- Decisions what to keep and what to discard
- Formulation of results and conclusions

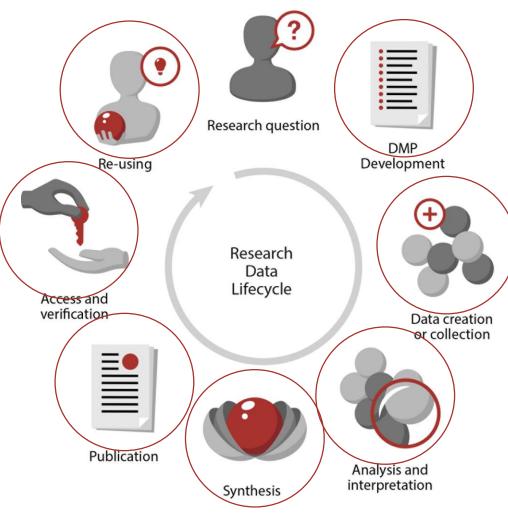
 Long-term view on the lifecycle of your research data

- Data Management Plan
 - part of projects/applications
 - planning of DLC steps
- Data **PLUS** Metadata
 - metadata: "Data about your data"
 - administrative, descriptive, structural, technical metadata
- Analysis steps, code creation, versioning, traceability of changes



Tasks along the Research Data Lifecycle (DLC)

- Assure reusability:
- choose a suitable repository (FAIR, non-commercial) and archive
- assure findability with persistent identifiers (e.g., DOI)
- increase visibility
- Ensure security, openness, access rights
- Choose appropriate outlets for
 - manuscripts/books/papers
 - data and scripts

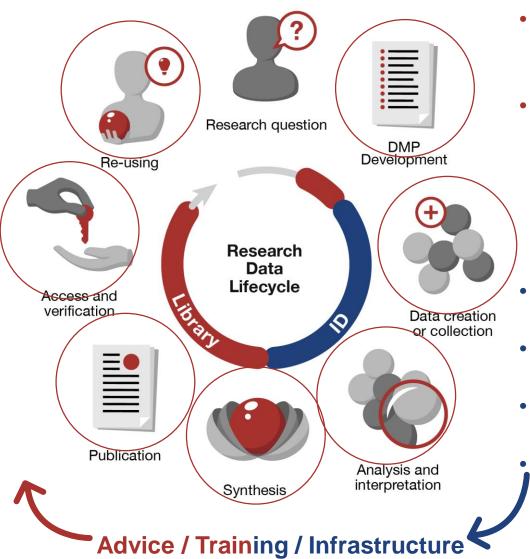


Aggregate data; **preparation** for publication

- **Long-term view** on the life-cycle of your research data
- Data Management Planning:
 - 1. at the start of the project
 - 2. continuous development and update
 - Define which data you collect where, when, and how
 - daily data management
- Analysis steps and tools:
 - choose appropriate tools
 - process data
 - save and control versions of scripts, code & processed data

Services and Support along the DLC

- Preservation and Archiving Services
 - ETH University Archives
 - ETH Web Archives
 - Preservation planning
 - Metadata preparation
- ETH Research Collection
- Publication services
 - Open access publishing
 - DOI registration
 - Indexing in Google Scholar



- Reference management software: licences and courses
- DMP guidance, templates, and review:
 - http://www.snf.ch→ DMP Guidelines
 - https://documentation.library.ethz.ch/x/MwDS
 - Support on handling sensitive and confidential data
 - Active data management services (e.g., openBIS)
- IT infrastructure, highperformance computing Soft- and hardware support

https://sis.id.ethz.ch/

Thank you & happy to help

Contact & Support

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Scientific IT Services sis.helpdesk@ethz.ch

ETH Library and Scientific IT Services researchdata@ethz.ch

Services at ETH Library



Training Events

- Research Data Management Workshop Series I VI, Every Wednesday from 28 October to 2 December 2020 Joint venture between: Scientific IT Services and ETH Library
- Research Data Management Summer School, 14-18 June 2021
 Joint venture between: Scientific IT Services, Legal Services and ETH Library
- Individual workshops/support for research groups





