DLCM

Solving Data Challenges for Swiss Researchers

HUGUES CAZEAUX

SWISS RDM DAY 2018
JUNE 12, 2018

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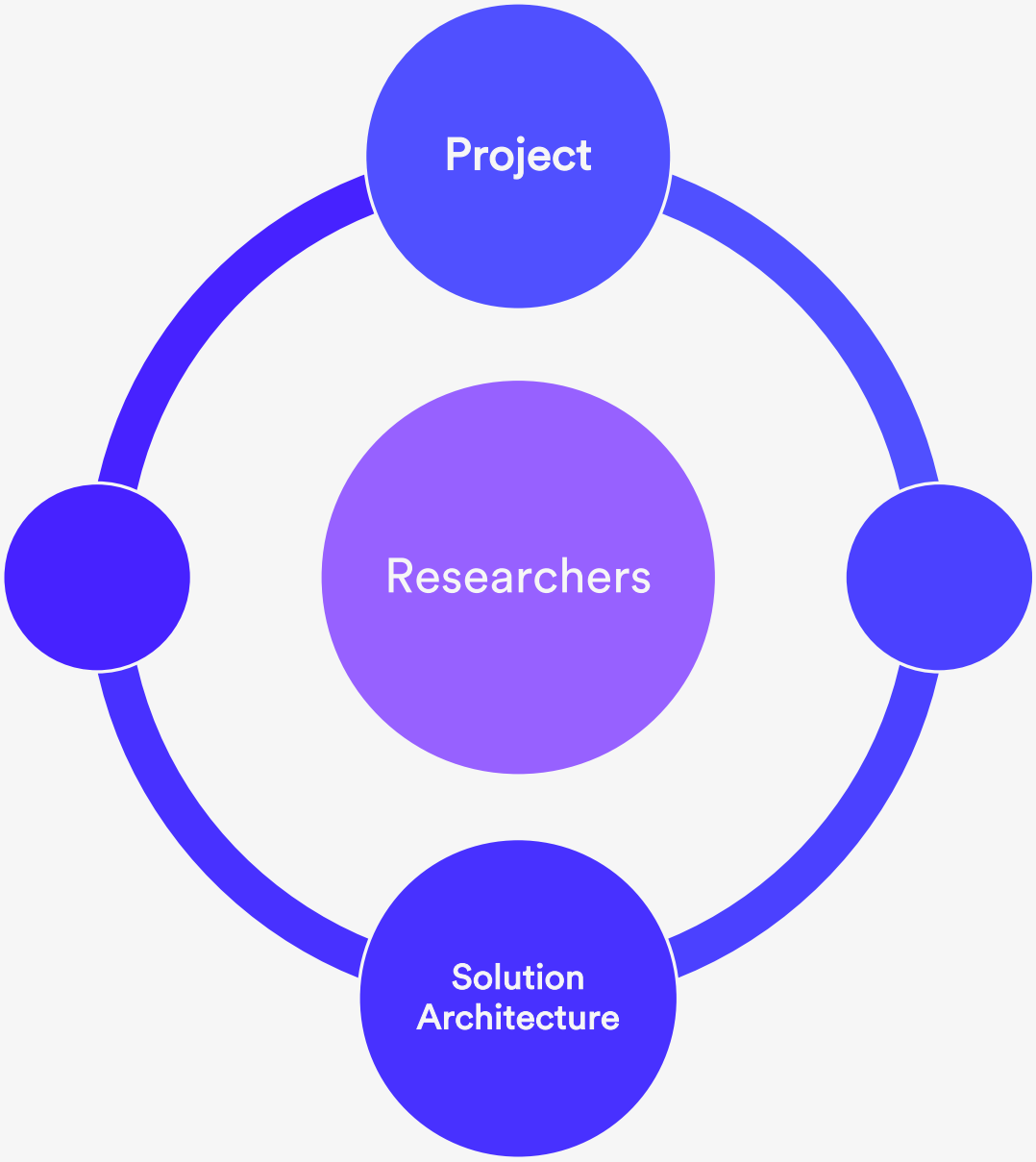
Agenda



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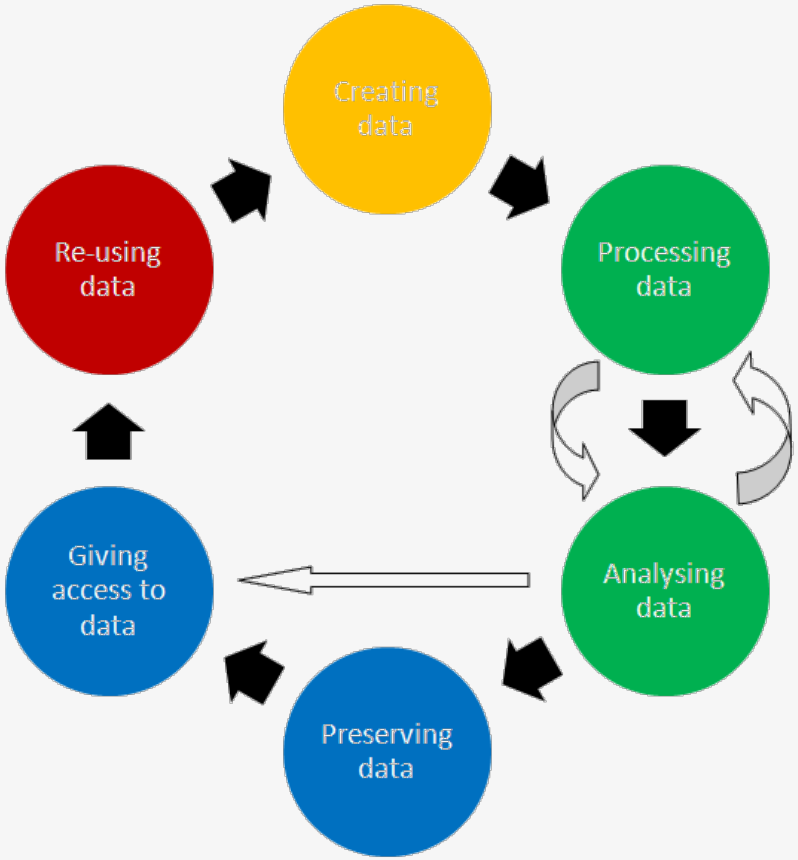
Project

Objective

“To provide sustainable and tangible solutions at a national level to implement research data life-cycle management (DLCM).”

Research Process



https://www.dlcm.ch/

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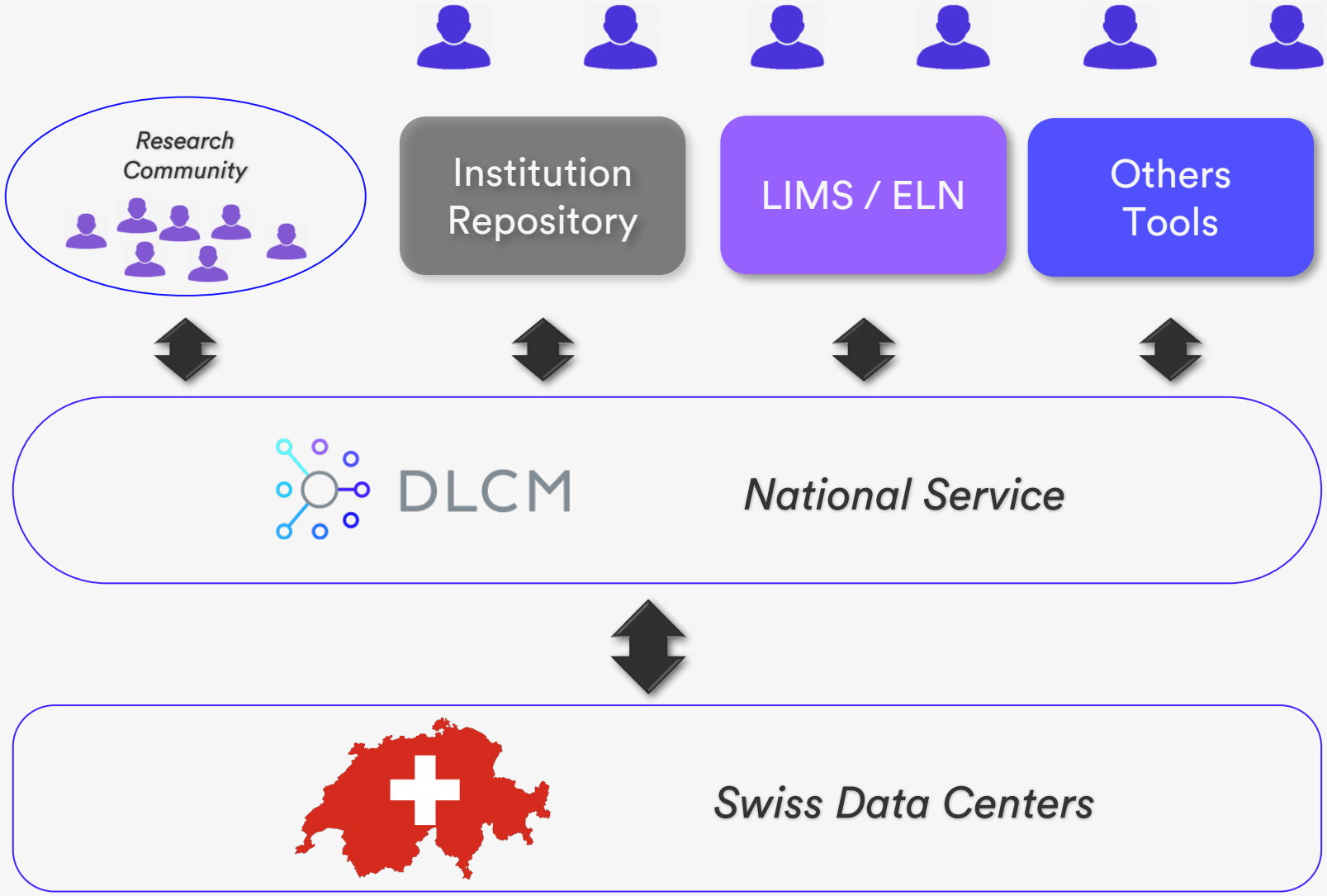
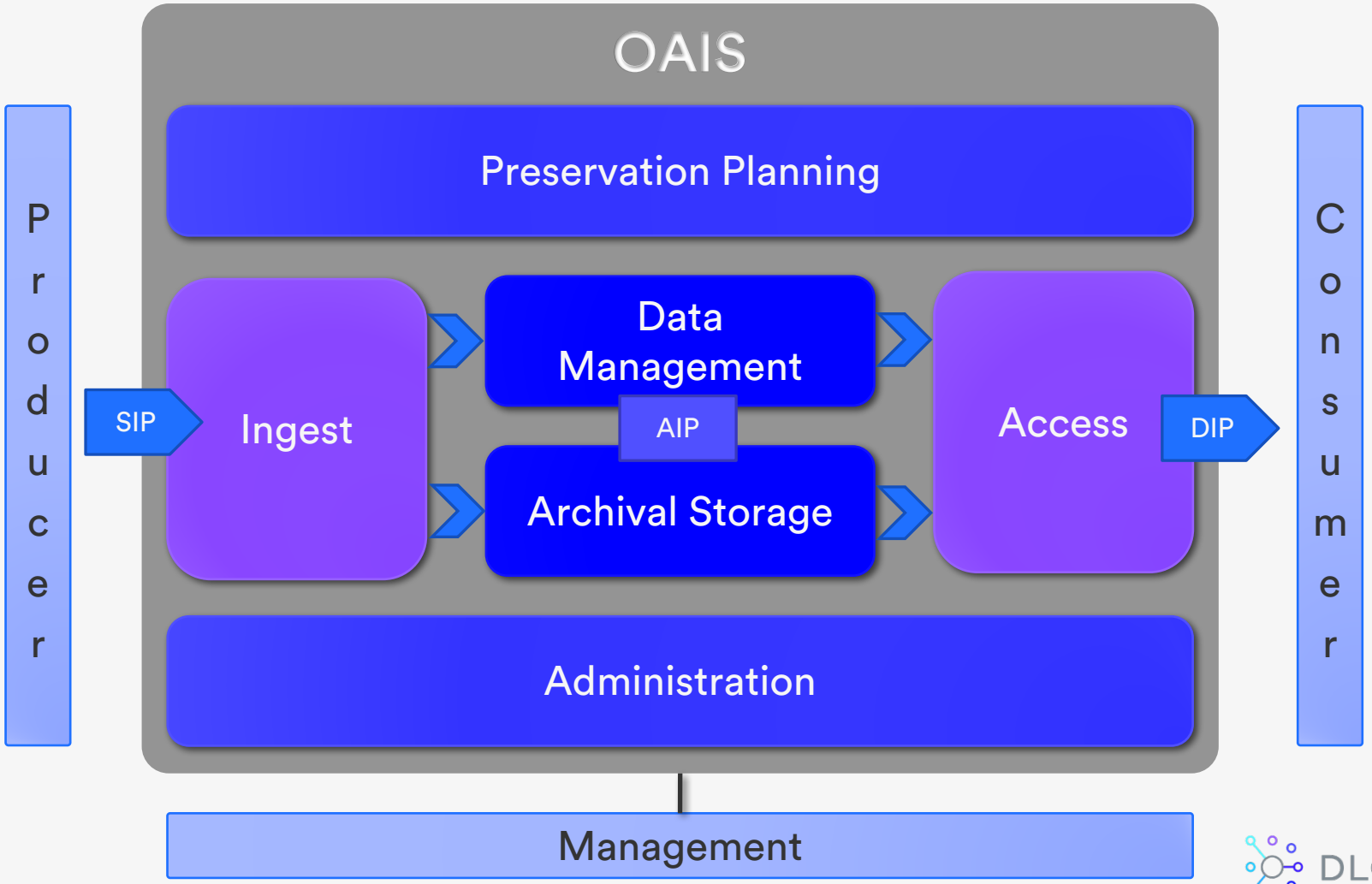
Solution Architecture

Overview


Research Community
Institution Repository
LIMS / ELN
Others Tools
DLCM
National Service
Swiss Data Centers

OAIS Model

Open Archival Information System
ISO 1472

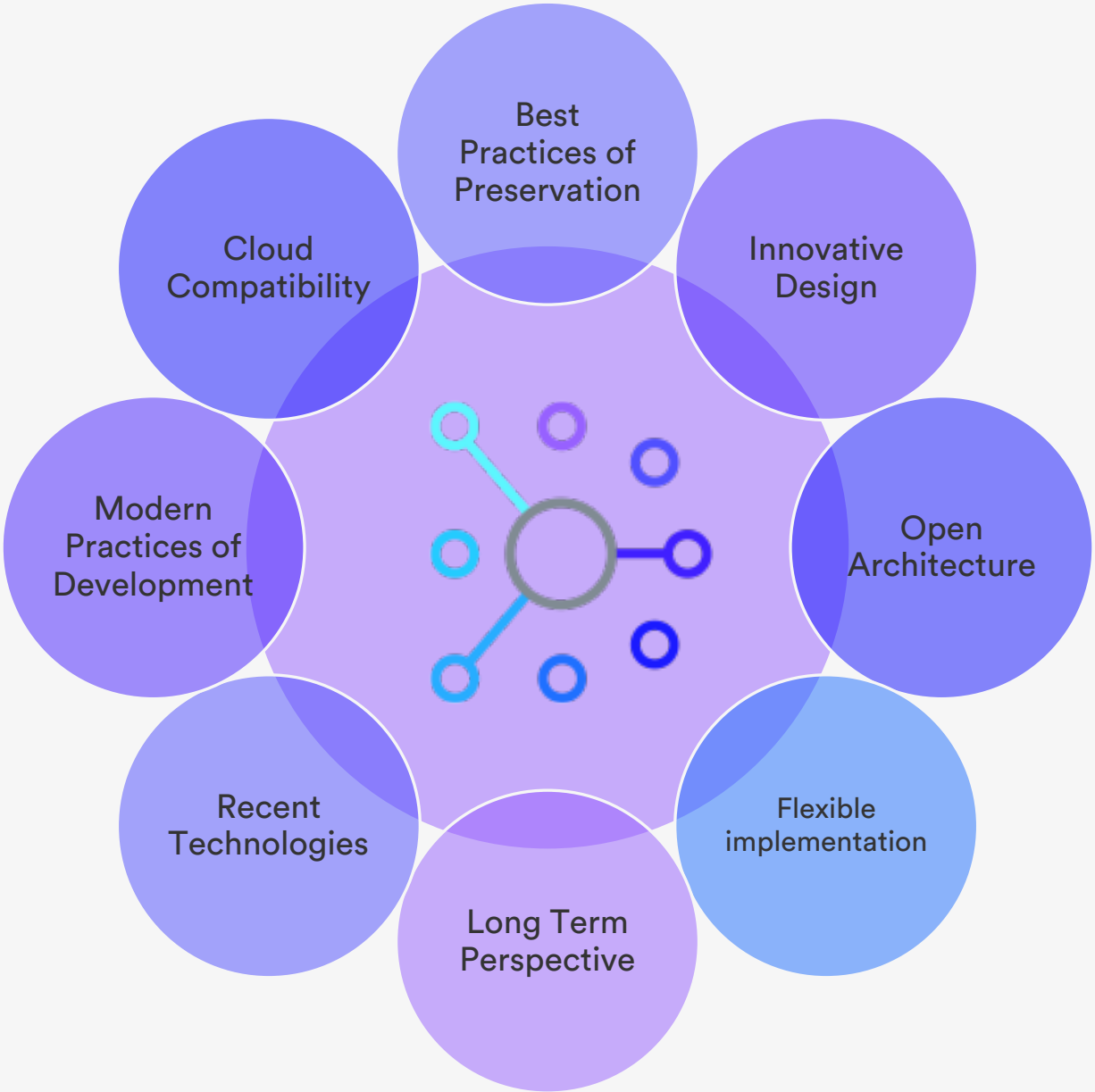


FAIR Principles

FAIR	Requirement	Definition
To be Findable	F-1	(Meta)data are assigned a globally unique and eternally persistent identifier.
	F-2	Data are described with rich metadata.
	F-3	(Meta)data are registered or indexed in a searchable resource.
	F-4	Metadata specify the data identifier.
To be Accessible	A-1	(Meta)data are retrievable by their identifier using a standardized communications protocol.
	A-1.1	The protocol is open, free, and universally implementable.
	A-1.2	The protocol allows for an authentication and authorization procedure, where necessary.
	A-2	Metadata are accessible, even when the data are no longer available.
To be Interoperable	I-1	(Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
	I-2	(Meta)data use vocabularies that follow FAIR principles.
	I-3	(Meta)data include qualified references to other (meta)data.
To be Re-usable	R-1	Meta(data) have a plurality of accurate and relevant attributes.
	R-1.1	(Meta)data are released with a clear and accessible data usage license.
	R-1.2	(Meta)data are associated with their provenance.
	R-1.3	(Meta)data meet domain-relevant community standards.

FAIR DATA

Design Values



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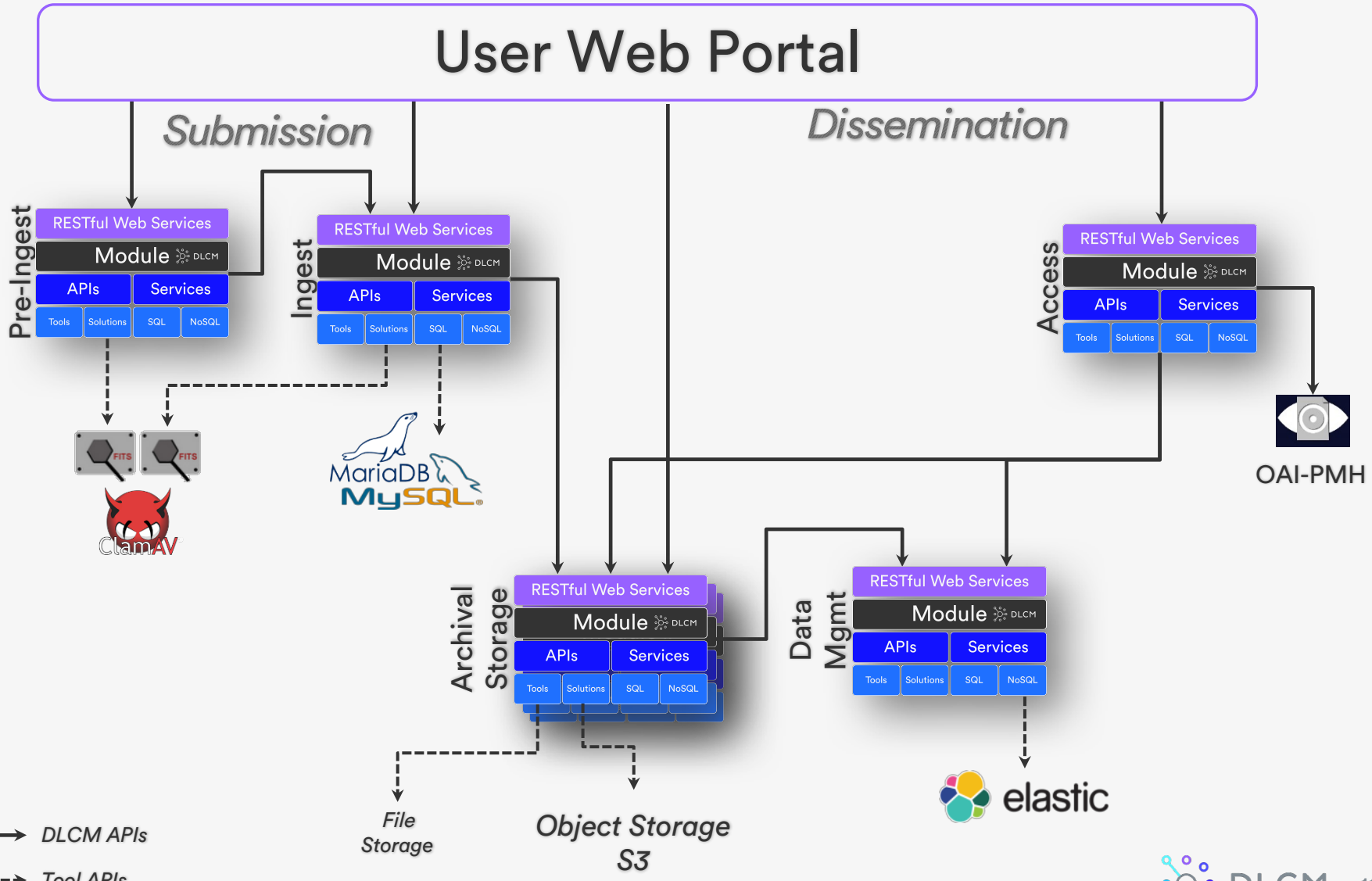
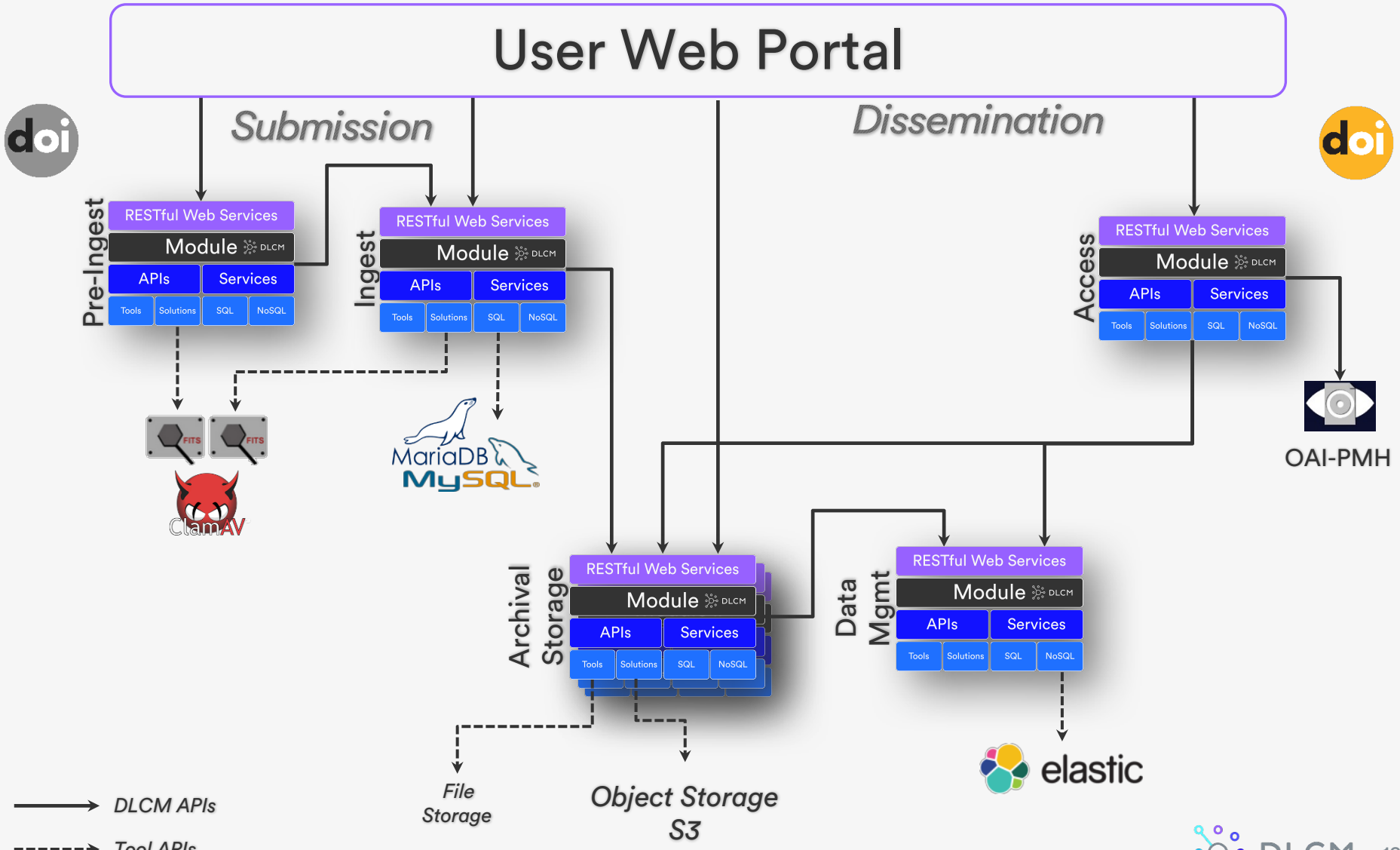
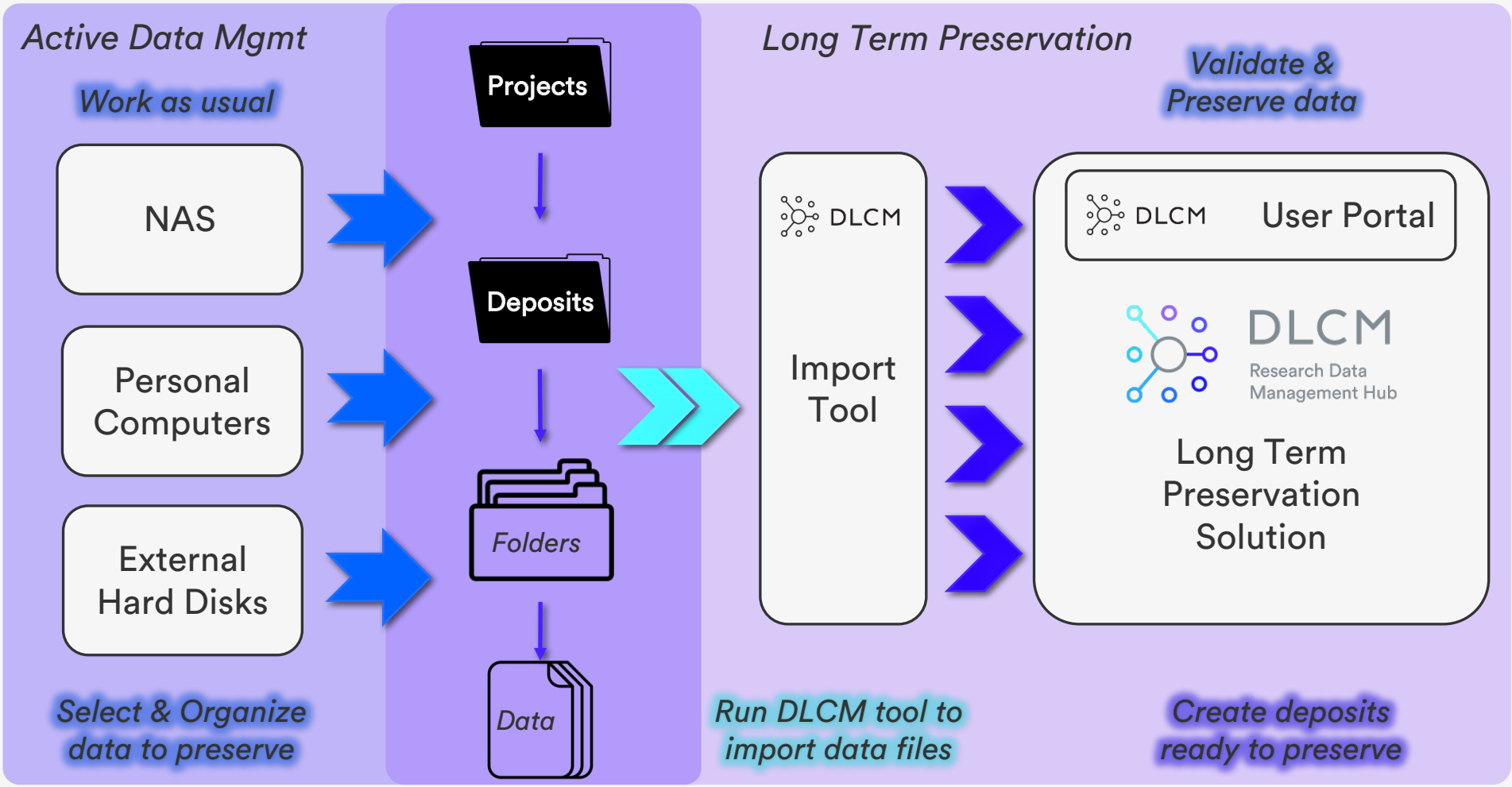
Technical Overview



Technical Overview



Data Mass Import



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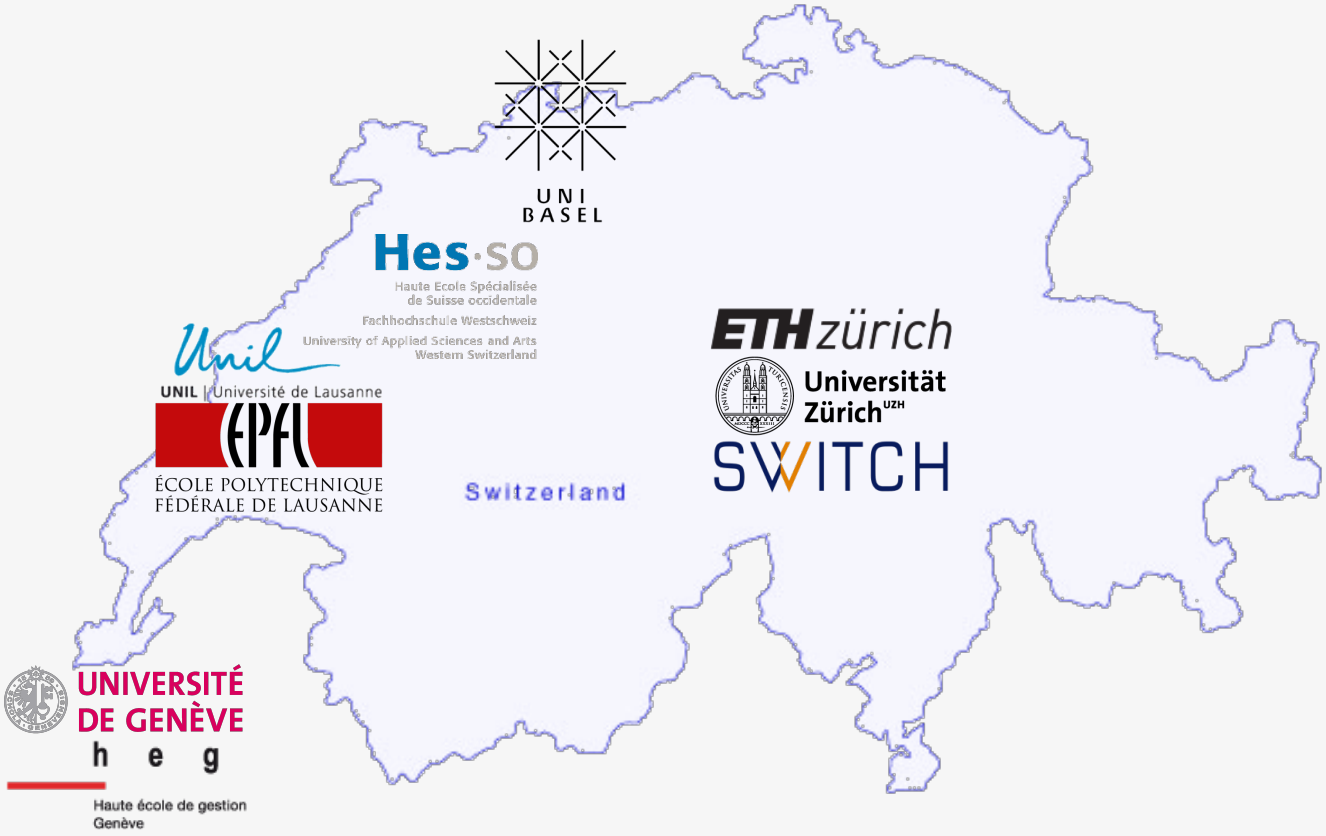
Research Data Management Hub

Merci



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