



Advancing FAIR Data Practices through Integrating Scientific Measuring Instruments PIDs for CRIS

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Národní technická knihovna
National Library of Technology



National Research
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Australian Research Data Commons

What's used? BORIS Portal

1. CRIS: explain

A **current research information system (CRIS)** is a [database](#) or other [information system](#) to store, manage and exchange contextual metadata for the research activity funded by a research funder or conducted at a research-performing organisation (or aggregation thereof).^[1] CRIS systems are also known as Research Information Management or RIM Systems (RIMS).

Source: [Research Information Management: Defining RIM and the Library's Role \(oclc.org\)](#)
Edited by jwe and fgt

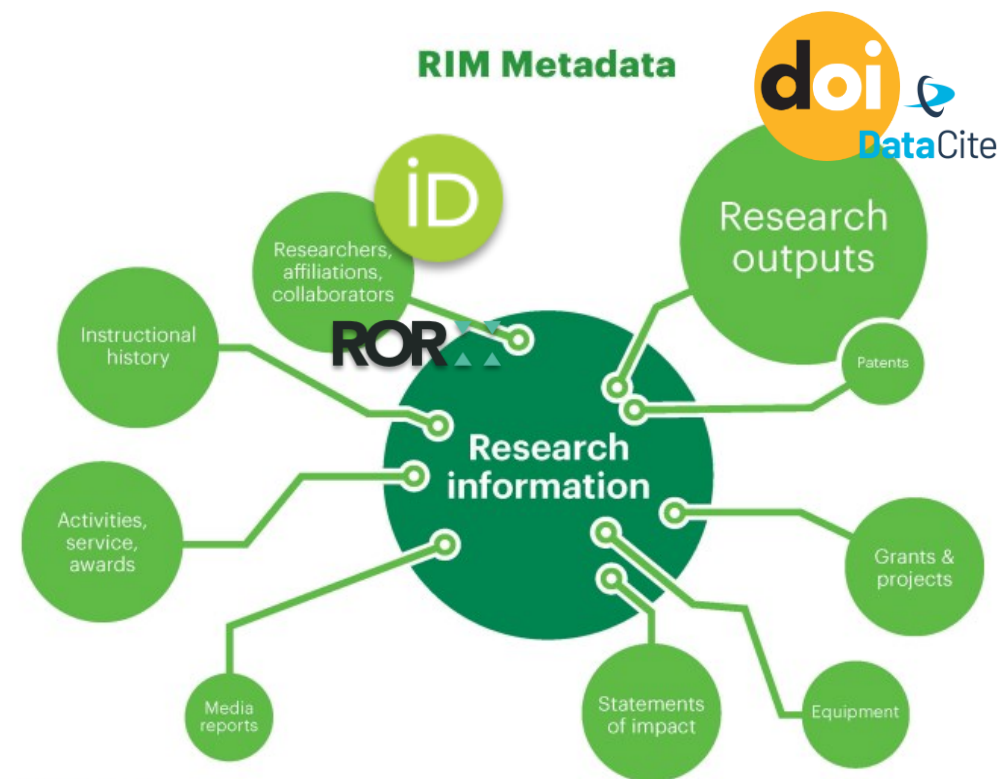
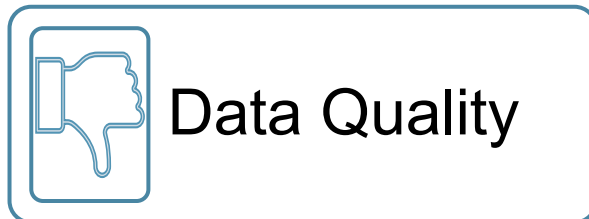
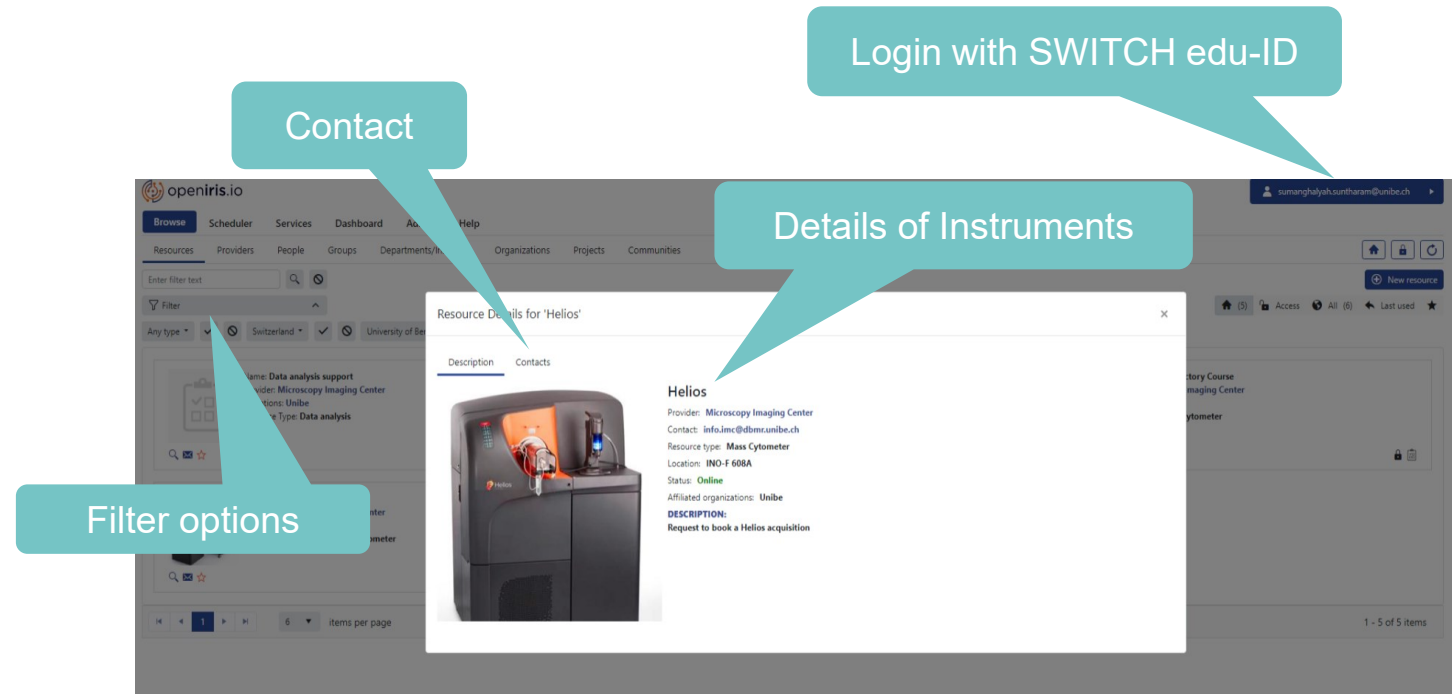


FIGURE 1. RIM METADATA

Research Information Management: Defining RIM and the Library's Role

u^b What's used? - openiris



u^b

What's used? - git

Version Control System



[Using Git for a compliance audit trail | Kosli Blog](#)



Traceability



Transparency

u^b What's new? - PIDINST



Source: [Home - PIDINST](#)

- [PIDINST White Paper](#)

<i>ID</i>	<i>Property</i>	<i>Obligation</i>
1	Identifier	M
2	SchemaVersion	M
3	LandingPage	M
4	Name	M
5	Owner	M
6	Manufacturer	M
7	Model	R
8	Description	R
9	InstrumentType	R
10	MeasuredVariable	R
11	Date	R
12	RelatedIdentifier	R
13	AlternateIdentifier	R

Table 1: Overview of PIDINST properties

[Metadata Schema for Persistent Identification of Instruments, Research Data Alliance](#)

Integration

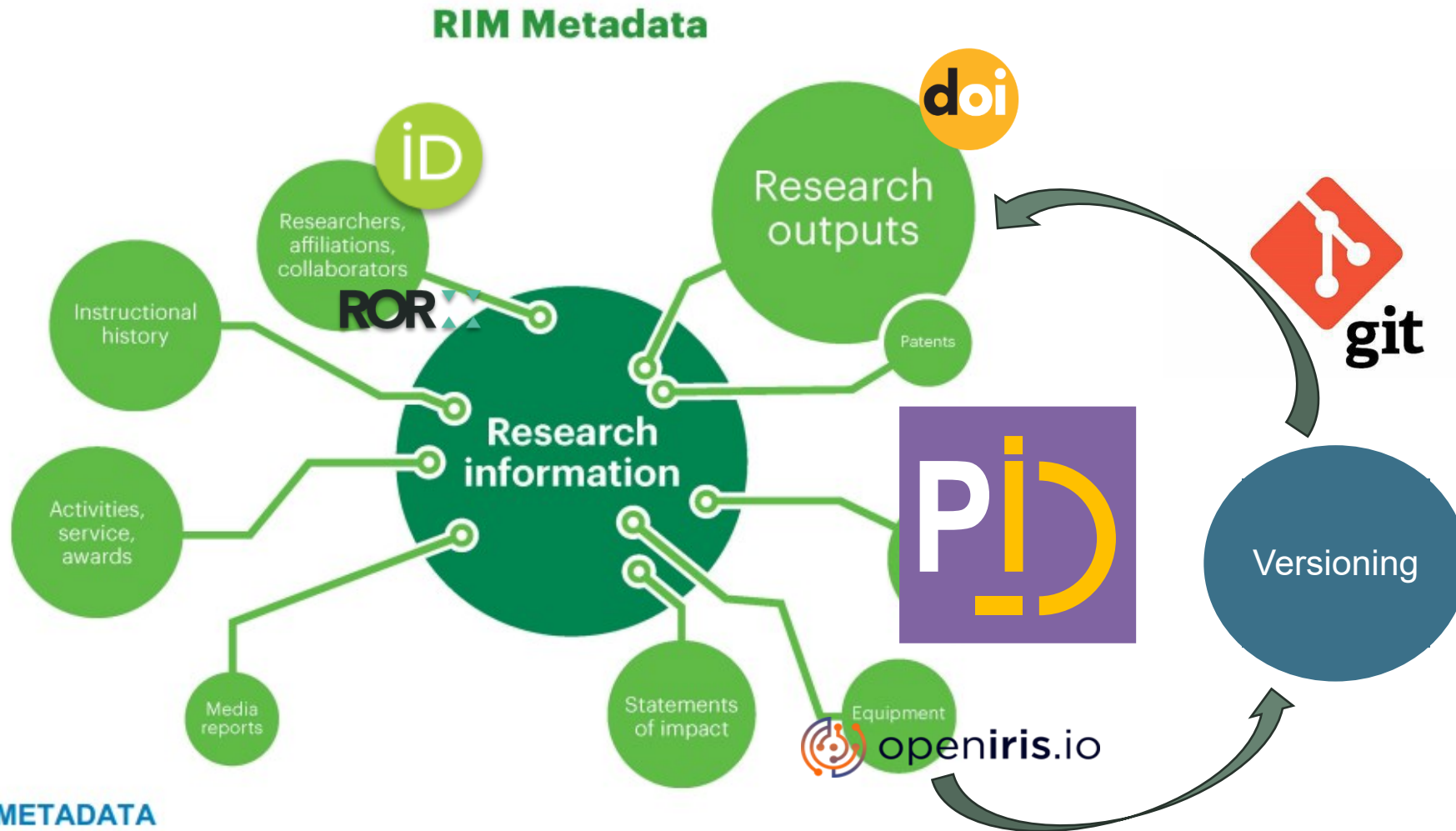


FIGURE 1. RIM METADATA

Proof of Concept:

Proposed milestones:

Milestone 1: Update UniBE's **openiris** instance to include **PIDINST** (for data provenance and quality), following RDA recommendations. Add **git** for versioning of related code.

Milestone 2: Integrate new openiris instance to Data Collection Pipelines, collaborative use case with research lab.

Milestone 3: Assess and evaluate FAIRness in new resulting datasets, providing extended PID-based data quality and data provenance metrics, internally for BoPo, externally for funders.