

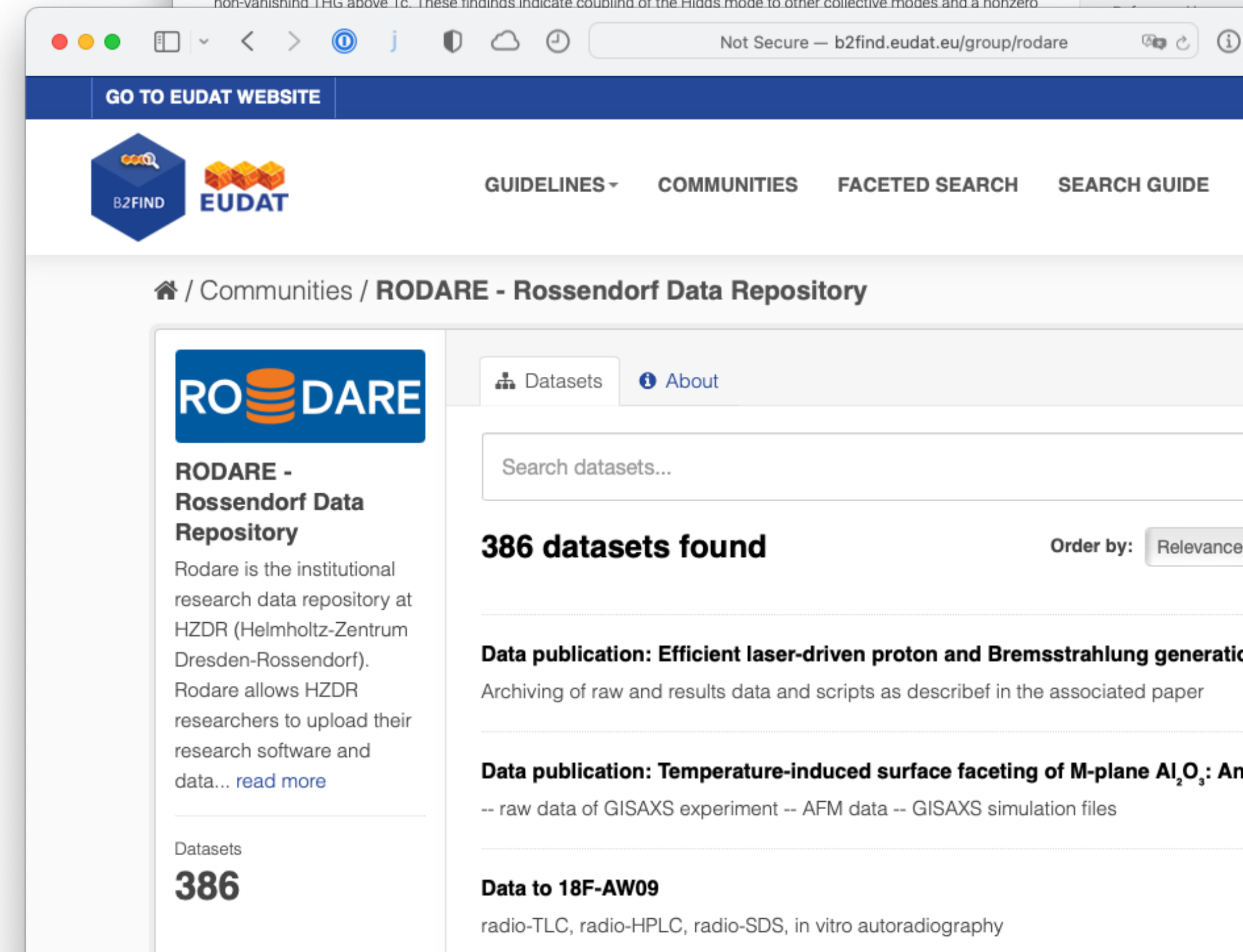
Assessment on integration of metadata catalogues at HZDR

7 December 2021, ExPaNDS session for gap and issue assessment
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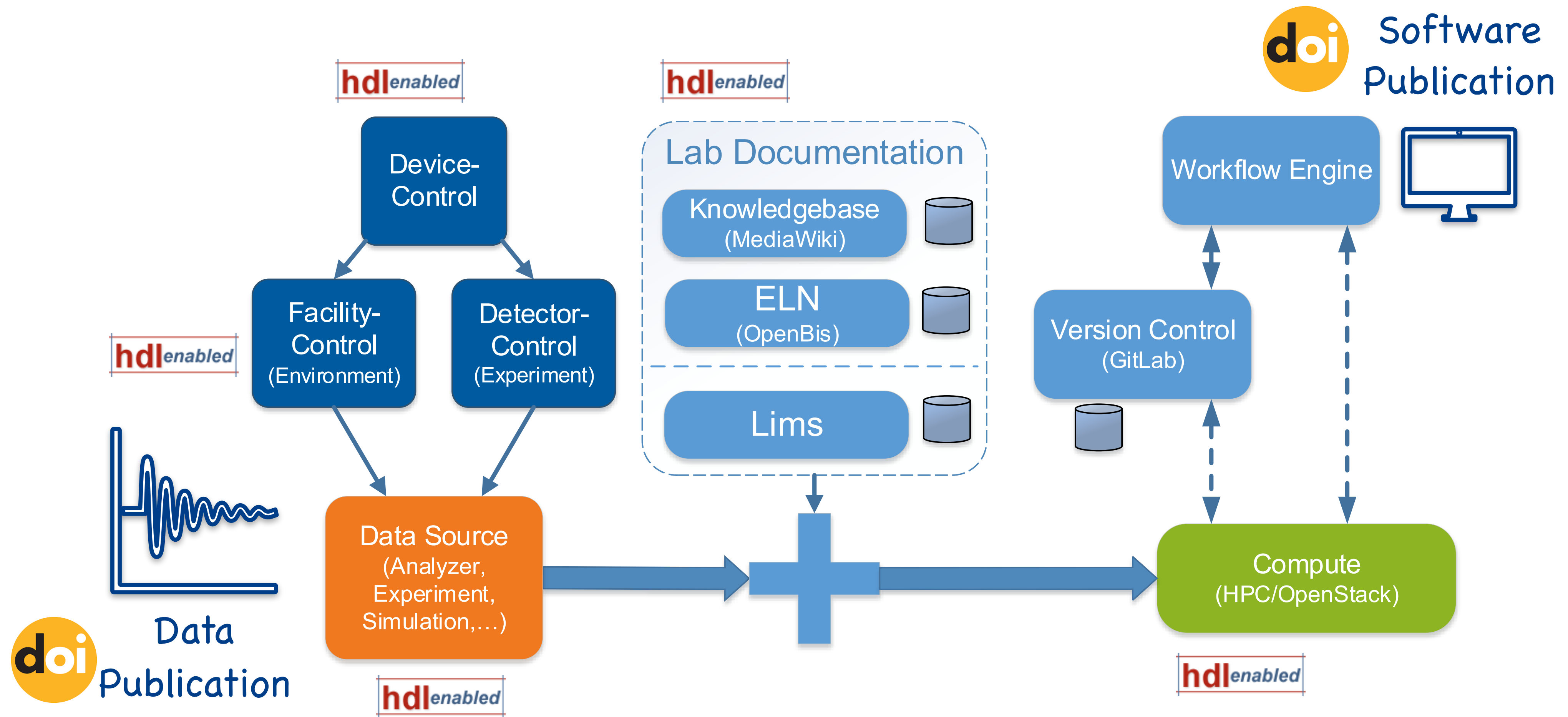


The Current Situation at HZDR...

- Achieved:
 - Data Infrastructure,
 - We can publish datasets in our [data repository RODARE](#) (based on Invenio, DataCite metadata).
 - Our datasets are available in [b2find.eudat.eu](#) OAI-PMH.
 - Harvesting by EOSC services,
 - Facility proposal information available (internal),
 - DOIs assigned for published datasets,
 - Data policy available since May 2018,
 - E-Logbook based on MediaWiki.
- Next steps:
 - Decision on an additional metadata catalogue,
 - We use a MediaWiki for our experiment specific metadata and integrated first experiments (but no PaN-specific metadata schema at the moment).



The Current Situation at HZDR...



The Current Situation at HZDR...

Prerequisites for a Metadata Catalogue

	Achieved	Planned
Data Infrastructure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Facility Proposal Info	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PID Issuer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Policy	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Choosing a metadata catalogue

	Achieved	Planned
Clear and agreed requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Solutions researched	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Solutions tested	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Decision	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EOSC Integration

	Achieved	Planned
Federated Access to data	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OAI-PMH Implemented	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Harvesting by EOSC services	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EOSC Services access	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EOSC statistics	<input type="checkbox"/>	<input checked="" type="checkbox"/>

PaN Implementations, Priorities and Road Blocks

- Our first priority is the provision of an additional **metadata catalogue** for PaN experiments at HZDR.
- A second priority is an automated **data ingest**.
- The third priority is a PaN **domain specific metadata schema** for our photon experiments.
- Road blocks:
 - Decision on data standards.
 - The heterogeneity of our centre with diverse stakeholders and preferences for our various user-facilities.

PaN Specific Implementations

	Achieved	Planned
Domain metadata ingest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RAW and Derived data catalogued	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data provenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibration data	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Link to external PIDs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Link to publications	<input checked="" type="checkbox"/>	<input type="checkbox"/>
eLogBook data	<input checked="" type="checkbox"/>	<input type="checkbox"/>