



ExPaNDS KPI Status

MAXIV Laboratory

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ExPaNDS KPI

KPI	Status
Prerequisites for a Metadata Catalogue	Achieved
Choosing a Metadata Catalogue	Achieved
Minimum product for a Metadata Catalogue	Partially achieved
Facility Integration Status	25% - 50%
EOSC Integration	Partially achieved
PaN Specific Implementations	Partially achieved

Minimum product for a Metadata Catalogue

- PaN API – We have internally deployed the search API, but are waiting to do a full test of data published and made accessible
- Stability – SciCat is integrated with eight beamlines now and we have discovered performance issues and issues in different components like kafka which require further investigation and fine tuning.

Facility Integration Status

A bit fluid at the moment

Beamline	Status	Info from Beamline
BioMAX	Integrated & active	
CoSAX	Integrated & active	
NanoMAX	Integrated & active	
FlexPEAS	Integrated	Forgot how to set it up
FINEST	Integrated	Kafka Producer crashed, have to upgrade to sardana 3 to solve with new confluent kafka library
DanMAX	Integrated	Takes >10 seconds to collect metadata, needs more investigation
MaxPEEM	Integrated	Don't know how to set up commissioning proposal
Veritas	Integrated	Don't know how to set up commissioning proposal

EOSC Integration

- Federated Access to Data – Not being prioritized at MAXIV at the moment
- OAI-PMH Implemented – We have deployed the service, but needs more work
- Harvesting by EOSC services – Need to register to EOSC

We are working on the data access work flow. Have recently set up a separate storage segment for open access data and a Globus access point that does not require facility ID to access data in this segment. Need to further test and develop.

PaN Specific Implementations

- Domain Metadata Ingest – We still need to implement ontologies
- RAW and Derived Data Catalogued – SciCat has the capability, but we have not tested the upload of derived data.
- Data provenance – More work to do
- Calibration Data – No
- Link to External PIDs – We don't collect/assign many of the PIDs as of now
- Link to Publications – Yes
- eLogBook Data - No

Priorities

- EOSC Integration
- Cataloguing Derived Data
- Persistent Identifiers

Road Blocks

Achieving everything envisioned in ExPaNDS requires many elements to be in place. There is a learning curve. Not exactly a road block, but still needs to be overcome.

Help Needed

We would appreciate an 'Expert/Advisory group' to live on after the ExPaNDS project comes to an end.