

# ExPaNDS

**European Open Science Cloud Photon  
and Neutron Data Services**

## ExPaNDS WP3 status update, DESY

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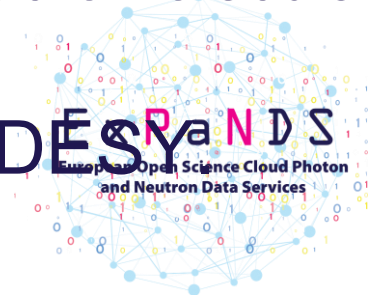
# Current status “Data Policies”

- Frank supported the responsible people (DESY Library) in setting up “Data Policies”.
- First “Data Policy” proposal was submitted to our directorate beginning of this year.
- The effort was appreciated but rejected for now with the request to extend the document by specifics for the different DESY communities
  - Photon
  - High Energy Physics
  - Structural Biology. ..
- That is good news because the importance was stressed by our directors, both Ties B. and
- Bad: we need to wait for the input from different departments.
- So more ‘support’ from Frank (ExPaNDS) is needed.



# Catalogue implementations/installations

- We didn't agree on a catalogue system/implementation yet.
- We are running two SciCat's as demonstrator for customers (PetraIII)
  - No OAI-PMH harvesting enabled.
  - Only local authentication (no federated AAI), will be integrated with Keycloak
- For FLASH we are evaluating a 'home made' solution directly connected to the data-taking system.
  - Supports direct data ingestion.
  - That would of course not benefit from the SciCat/iCat 'search API' work.
  - This is suggested for PETRA III too.
- Others:
  - E.g. Johanna Hakanpaa is envisioning another one for her P13 Macromolecular Crystallography beamline.
- Anton and central IT is involved in the 'decision process' at DESY



# Plans

- Consulting 'science communities' in phrasing their contribution to the DESY Data Policy and get it to a directorate decision.
  - Especially handling long term storage policies.
  - Ownership.
  - **RISK**: depending on decisions outside of our control.
- Finishing the evaluation of a catalogue implementation.
  - Pushing for existing solutions (SciCat or iCAT)
  - **RISK**: depending on decisions outside of our control.
- Enabling harvesting.
- Search API demonstration.



# Q&A

- Prerequisites.
  - + Data Infrastructure
  - + Facility Proposal Info : **DOOR**
  - + Standard Data
    - PID Issuer (Library is planning)
  - P Data Policy
  - + Resources
- Choosing a Catalogue
  - + Clear and agreed requirements
  - + Solutions researched
  - + Solutions tested
  - Decision



# Q&A

- Minimum Product.
  - + File Ingest
  - + Authenticated data access
  - + Domain agnostic metadata
  - PaN API
- NA Stability
- Facility integration status.
  - + 10% < 25%



# Q&A

- EOSC Integration.
  - Federated access to data
  - OAI-PMH implemented
  - Harvesting by EOSC services
  - EOSC Services access
  - EOSC statistics
- PaN specific Implementation.
  - + Domain metadata ingest
  - + Raw and derived data catalogued
  - Data provenance
  - Calibration data
  - Link to external PIDs (such as instrument, ORCID, Organisation, sample ...)
  - Link to publications
  - **eLogBook data**

