

Summary RDM at HZB

- Some experiments exp. PvcomB, LowDosePES and MX well established workflows and efforts in metadata collections

vs.

- Beamlines and Experiments with metadata loss, lack of access control, and accessibility of data

RESPONSIBILITIES - WORKLOAD

- Experiments with established workflows often have their own IT team
- Work is repeatedly done

SCIENTIFIC AND RDM REQUIREMENTS

- FAIR
- Remote access to data
- Complete metadata
- Sample history
- Access control

POSITIVE

- New EU+D projects to support RDM
- NeXus, ICAT, NOMAD, PIDs tech. Base
- Some established data flows, formats and metadata
- Metadata sources: LAMB, ELAB, SECoP, EPICS, IGAMA

NEGATIVE

- No clear RDM responsibilities
- Variety of instrument control software: Tango, Sardana, Bluesky, LISEM – Python, LabVIEW
- Variety of formats
- Lack of completeness of metadata

REQUIREMENTS OF IT

- Basic agreements on metadata, formats, instrument control
- Need to know required metadata and (meta)data structure for processing and analysis
- Need to know how your search your data

THANK YOU !