

Data Catalogue

Grenoble, 24/25 October 2013 | Joachim Wuttke, Jülich Centre for Neutron Science

Data Catalogue

task: facilitate retrieval of raw data

- for original data analysis
- for later comparison or validation
- by whom ? (← data policy)

solution: database and web server

- ICAT by STFC
- Mediatum by TUM library

Mediatum

open-source software for document/image/video archiving and retrieval

developed by TUM library

- development and support group of 5–10
- DFG grant application in preparation

used by TUM and U Augsburg libraries

- Ph.D. dissertations
- open-access publications (few)
- specific collections (mostly digitized images)

planned

- raw-data archival
- connection to LDAP
- connection to raw-data reduction

ICAT or Mediatum ?

decision overdue, report to directorate in November

ICAT

- + established
 - version incompatibility
 - feed-in didn't work
- + tailored for n/X facilities
- + same GUI for all facilities
- + cross-facility search

Mediatum

- + simpler technology
 - + easier extension
- + gratis hosting
- + gratis local support

Data catalogue at SPHERES

few 100 lines Ruby

ternary file names: exp/scan/subscan

\$ lsd exp

metadata

scan – sample – temperatures

\$ lsd exp/scan

metadata

scan averages

subscan – temperatures – integral counts

Agenda

ressources? priorities?

- extract metadata from raw data directories
- feed metadata into catalogue
- set access rights
- generate different tabular views
- also graphical views?
- let user prepare reduction (parameters, in \rightarrow out)
- reduce data set, let user download