

- ICAT & the virtual laboratories
- Data catalogue issues

- Structural ‘joint refinement’ against X-ray and neutron powder diffraction data, VL1
- Simultaneous analysis of SAXS and SANS data for large scale structures, VL2
- Access to tomography data exemplified through paleontological samples, VL3

Involves data searches, download and upload

- Data portal functionality
  - Keyword based searches vs. NeXus metadata
  - Federated catalogue
  - Data download
  - Work flow control
- Authentication: Shibboleth
- Authorization
  - Integration with local system
- Dictionary of keywords: SDF, PaN-Soft, provenance
- Performance
  - Response time for searches
  - Size of the catalogue
  - Download speed
- Cite data and link data and publications