Icat@ill

In 5 min

A bit of history

- 2009 start of the ILL ICAT installation and first meeting on the DP.
- Development of the ILL web interface: http://icatprod.ill.fr:8585/icat
- …
- Dec 2011, publication of the ILL Data Policy http://www.ill.eu/users/ill-data-policy/

Only now we can start working efficiently:

The project has moved from an IT project to an ILL project.

Our technical difficulties

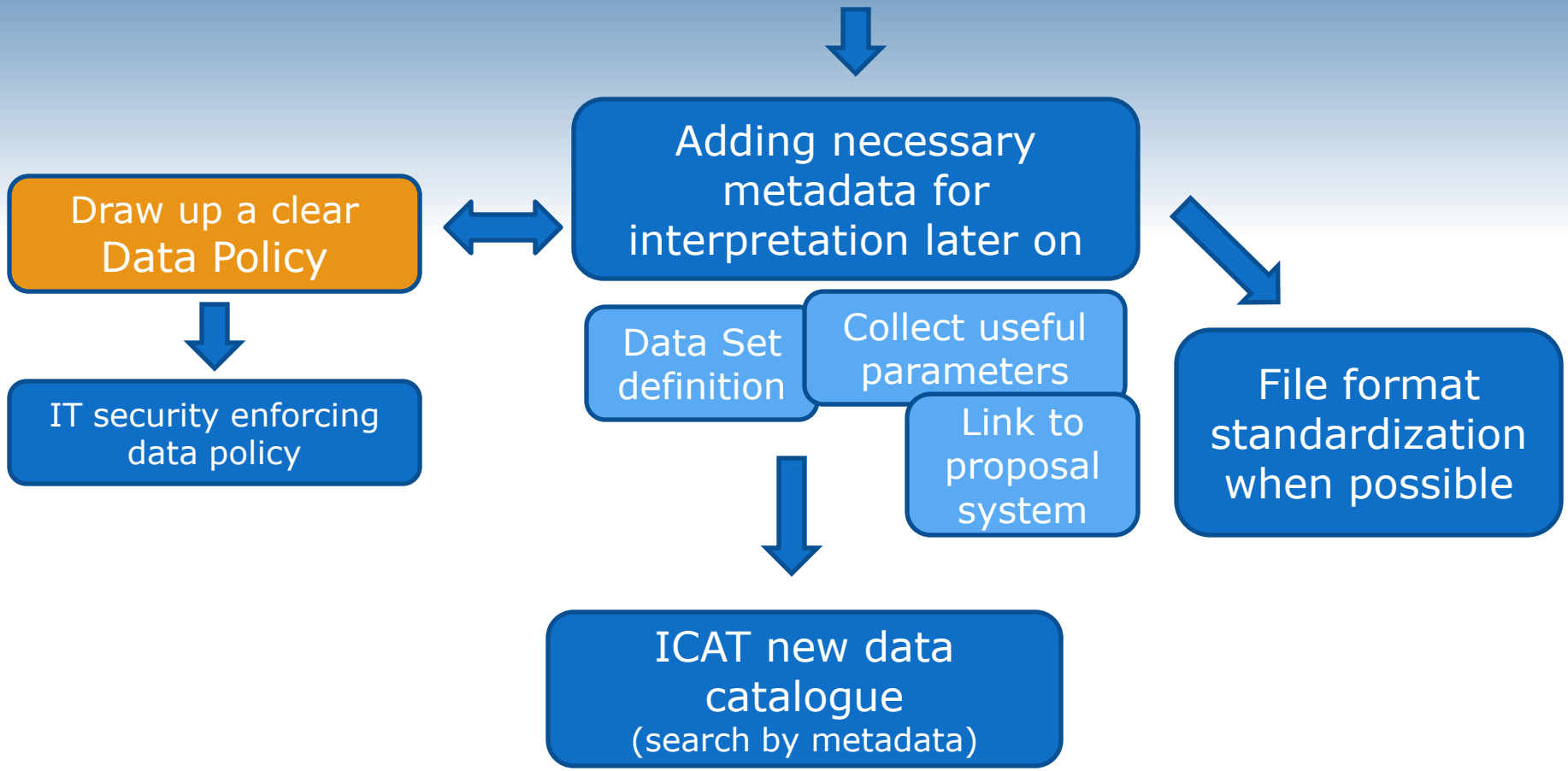
- Lack of systematic link between the raw data and proposals and finally users.
- Too many data formats => Ingestion is a nightmare.
- What are the useful experimental parameters?
- Ontology, diversity of naming conventions.
- Doing things urgently => bad coding strategy
  (use of SQL statements instead of developing Web Services)

Today

- Scientists are on board (DPP).
- 19th of April, test of 'fake' user authentication on IC workstation.
- Installation of ICAT 4.0 and TopCat.
- ICAT 4.0/1 vs ICAT 3.3 for the rollout?
- Ingestion production planned for September (DP official introduction)
- The ILL DP might require some works on the access right management.

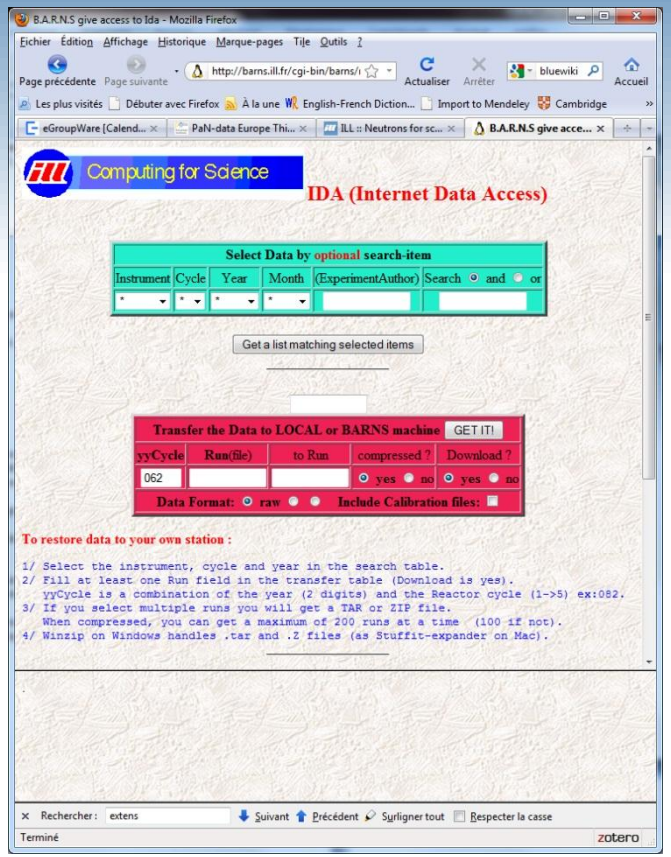
A global picture

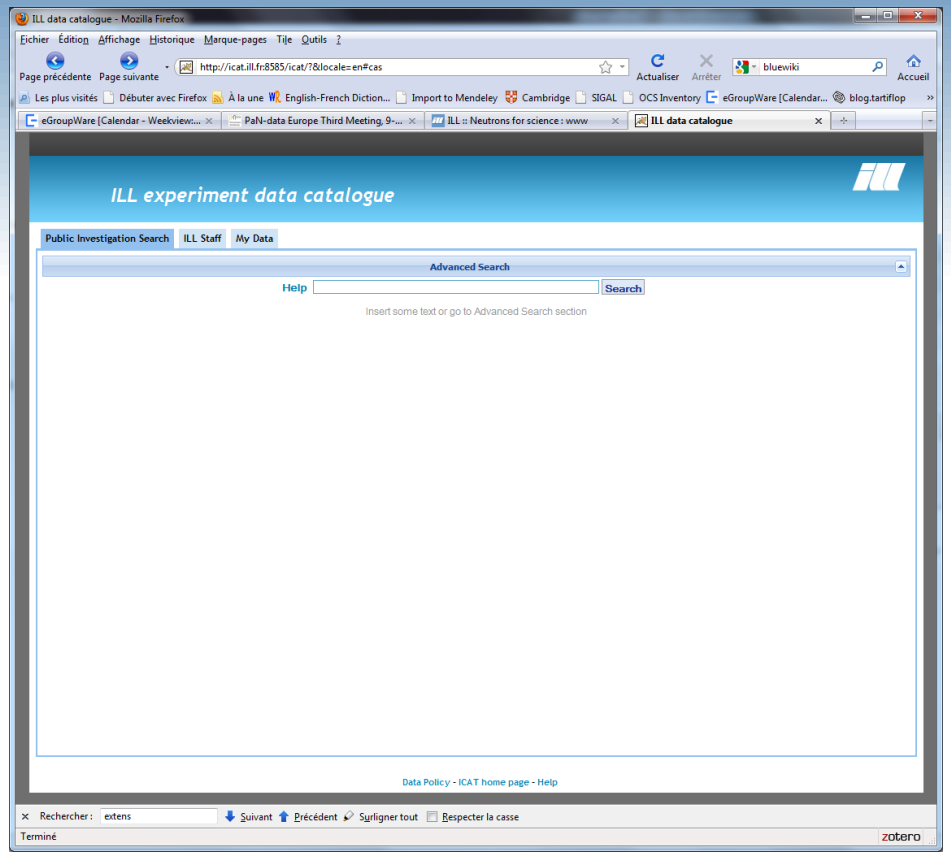
Increase scientific data value
Long term data curation



ICAT a successor to IDA

http://icat.ill.fr:8585/icat/





iCat@ill status

- Ongoing
  - Migration to iCat V4.0
  - Web interface : the ILL one of TopCat ?
    - We are currently installing topcat for testing
- To be done
  - **Seal the link between proposals and data files**
  - Implement Access Right management according to the Data Policy (workflow, interfaces, …)
  - Validate the ingestion process
  - DOI implementation
  - Rollout and communication

Technical contact: Holger Gebhard gebhard@ill.eu or Me

User Authentication

- The problem : currently all applications have their own local repository
- End of February – Merge of the different accounts (1st step accounts from VC)
- Next : typo, forge, wifi, storage, computers
- Evaluation of the EU wide authentication

Project contact : Fabien Pinet pinet@ill.eu or Me

Storage

- Security: ACLs implementation and access protocols NFSv4, CIFS, …
- Adding more informations (images, log, E-Logbook …) – Folder structure change ?
- Facing the volume groth – change in the infrastructure solution (FS compression, deduplication, decrease the cost per TB, …)

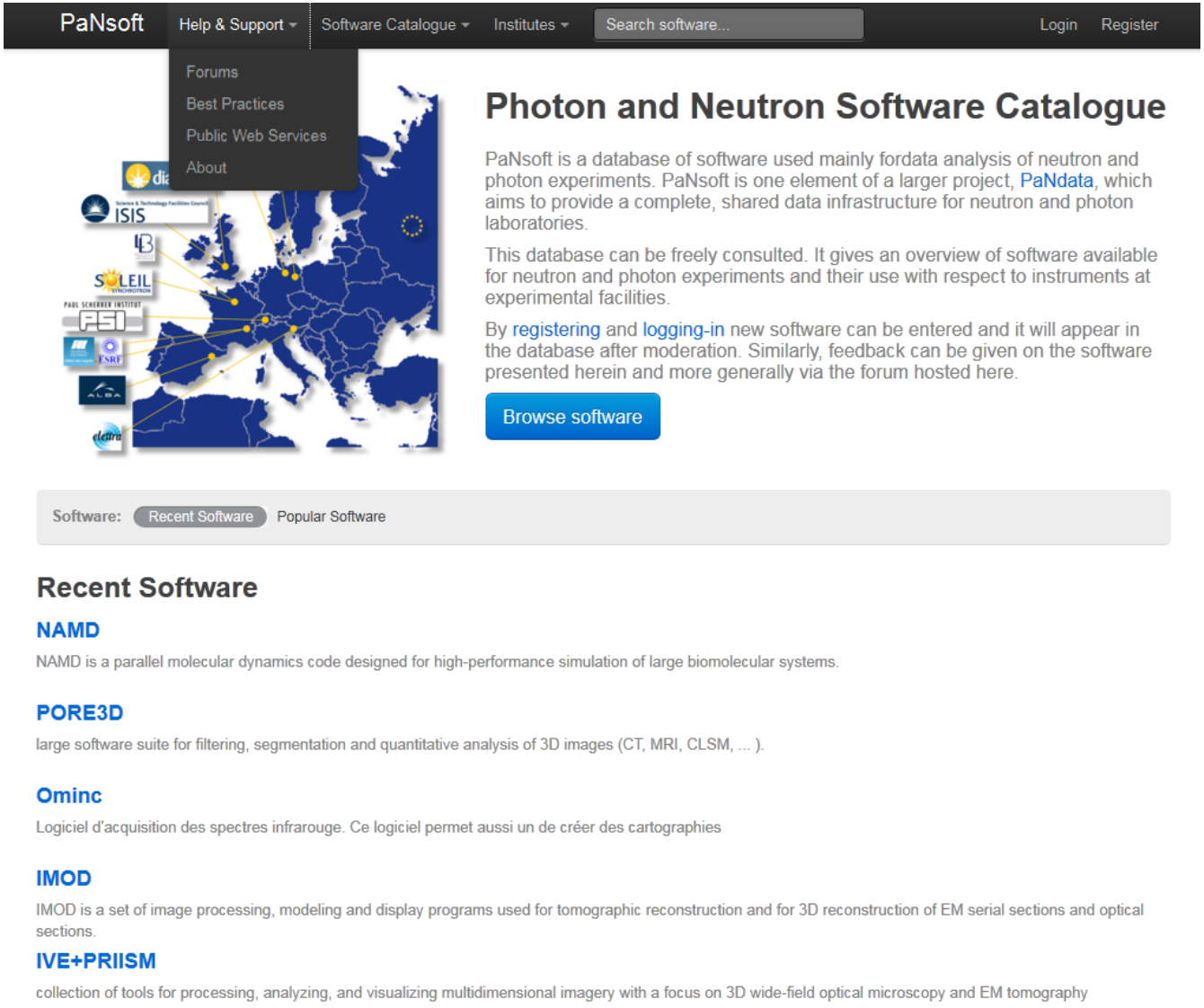
Project leader: Remy Mudingay mudingay@ill.eu

Projects on the EU side.

PaNdata-Europe, PaNdata-ODI, CRISP, NMI3, PaNgea, …

- EU Common Authentication
- Evolution of iCat (data mining, cross repository search, link with the publications, LT Preservation – OAIS)
- Software analysis catalogue – PaNSoft
- High-speed Data Recording
- …

PaNsoft



Our expectation from that group

- Help to communicate
  - With the other ILL scientists
  - With the users
- Give your feedback
- Validate – Test - Bring your scientific expertise
- Bring the real users' needs - Propose ideas
- Work togheter closer than in the past
- Your support