Overview

- What is ALBA?
- The Team
- ALBA User Office
- State of the Art
- Issues & Questions
What is ALBA?

- 3rd Generation Synchrotron Light Facility.

- Placed in Cerdanyola del Vallès (20 km away from Barcelona)

- Consorcio para la Construcción, Equipamiento, y Explotación del Laboratorio de Luz del Sinctrotrón (also known as CELLS) is responsible for the operation of the Synchrotron.

- 7 Beamlines currently running.

- 5 Divisions:
  - Accelerators/Experiments/Engineering/Administration/Computing.

- ~140 permanent positions.

- First users in 2012.
  - 2 calls for proposal have been opened so far.
The Team

Computing Division
- ~40 permanent positions.
- 4 sections:
  - Systems.
  - Electronics.
  - Controls.
  - MIS (Management Information Systems).

The MIS Section provides services such as: SAP, HR Management tools, Project Management tools....
- User Office
- ICAT (work in progress)

ICAT Team:

David López  

Pablo García
Web tool ALBA uses to receive proposals for experiments.

All pre-project information needed in order to perform experiments needs to be submitted and approved using the User Office tool.

http://useroffice.cells.es

ICAT investigation ~= AUO proposal

Synchronization AUO–ICAT using WS
3 Stages:

1. ICAT/User Office connection
   - Synchronizing Beamlines (Instruments) ✓
   - Synchronizing Beamline Scientists (Instrument Scientists) ✓
   - Synchronizing Research Areas (Investigation types) ✓
   - Synchronizing Periods (Facility cycle) ✓
   - Synchronizing Proposals (Investigations) ✓

2. Experiment Data
   - Data synchronization.
   - Configure TopCat to download Experiment data.
   - IDS.

3. Administration UI and User Management.
   - LDAP Authentication.
   - User Management.
   - Groups Management.
   - Scheduled tasks control page.
Issues & Questions

- User access control to get data through Glassfish?
  - Credentials?

- Interface Data Server: How to implement?

- Issue:
  - TopCat is not showing the Instruments even if the data is in the DB.
Thank you!