Access to the ESRF

Current Procedures & Future Needs

Joanne McCarthy
Head of ESRF User Office

ESRF General Overview

12 member and 6 associate member countries

Staff : 610 people

Annual Operation Budget : ~80 M €

Annual User Budget : ~1.35 M €

Instruments : 42 beamlines

~ 2000 proposals / year

~ 900 awarded beamtime

> 1500 experimental sessions / year

> 6000 visitors / year

~ 1500 publications / yr

Typical experiment duration : 8 hours to 1 week

Current ESRF Procedures

Scientific Management Information System : SMIS

SMIS - Scientific MIS

by Stefan Schulze — last modified 26-02-2008 08:47

SMIS

The **S**cientific **MIS** is a web-oriented software project which enables the world-wide ESRF user community to:

- Apply for beam time at the ESRF (User Utilities)
- Prepare for carrying out experiments (A Form)
- Submit and view experimental reports (User Utilities)
- Register for scientific workshops and conferences at the ESRF (Event Registration).

In addition, the SMIS team develops intra- and internet applications for the following user groups:

- User Office, CRG office, ICU office and Safety group: ESPAS, Admin. Utilities, CRG Admin Utility, CRG external access
- Review Committee members: Review Committee Registration, Review Committee Grading
- Beamline Scientists: Beamline Scientists
- Personnel Service: Personnel

The new SMIS Web Client
is currently under development and will replace all existing SMIS applications in the future.

Currently it can be used to:

- Manage your own SMIS account
- Manage the beamline schedule for some selected beamlines (see also the demos: view schedule and edit schedule)

Please note that the SMIS Web Client can also accessed from outside the ESRF: External Link.

You can have access here to the TEST SMIS Web Client.

Current ESRF Procedures

SMIS Utilities

- ✓ User Utilities
- ✓ Beamline Scientists Utility
- ✓ Personnel Utility
- ✓ Review Committee Registration
- ✓ Review Committee Grading
- ✓ Admin. Utilities
- ✓ CRG-specific Utilities
- ✓ Event Registration

→ SMIS Web Client

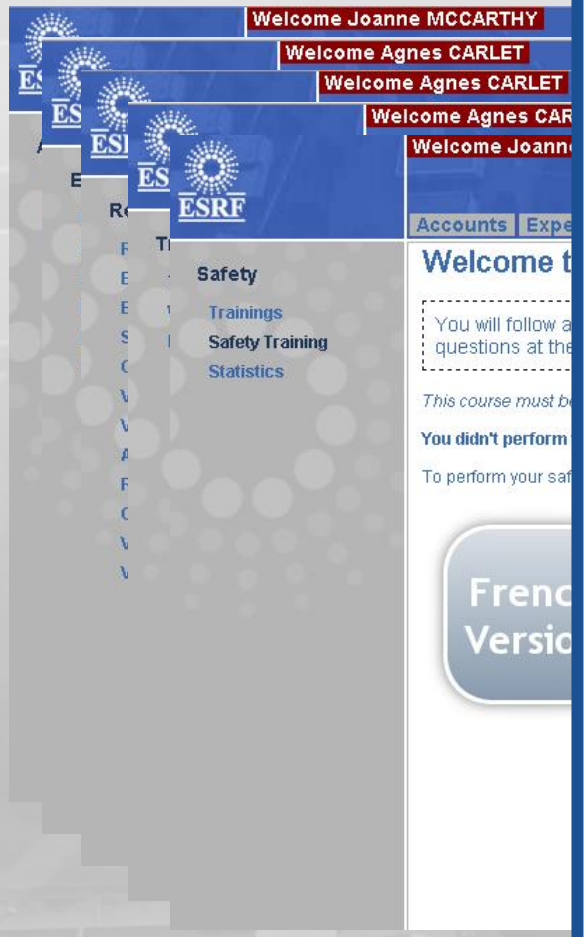
(ESRFUP WP9 : New Scientific Management Information Software)

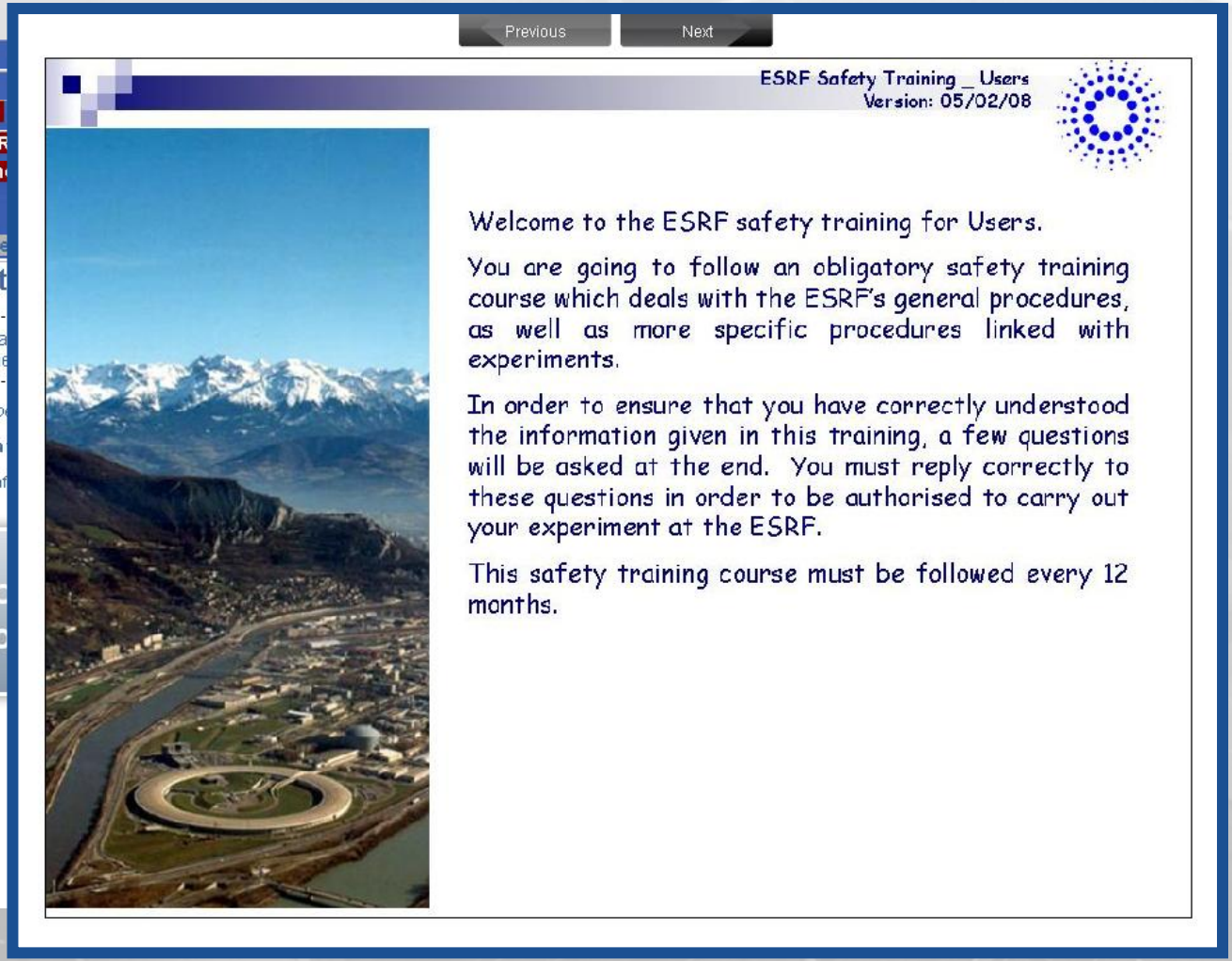
For User : From proposal submission to deposition of experiment report

For administrative staff : From proposal submission to User reimbursement

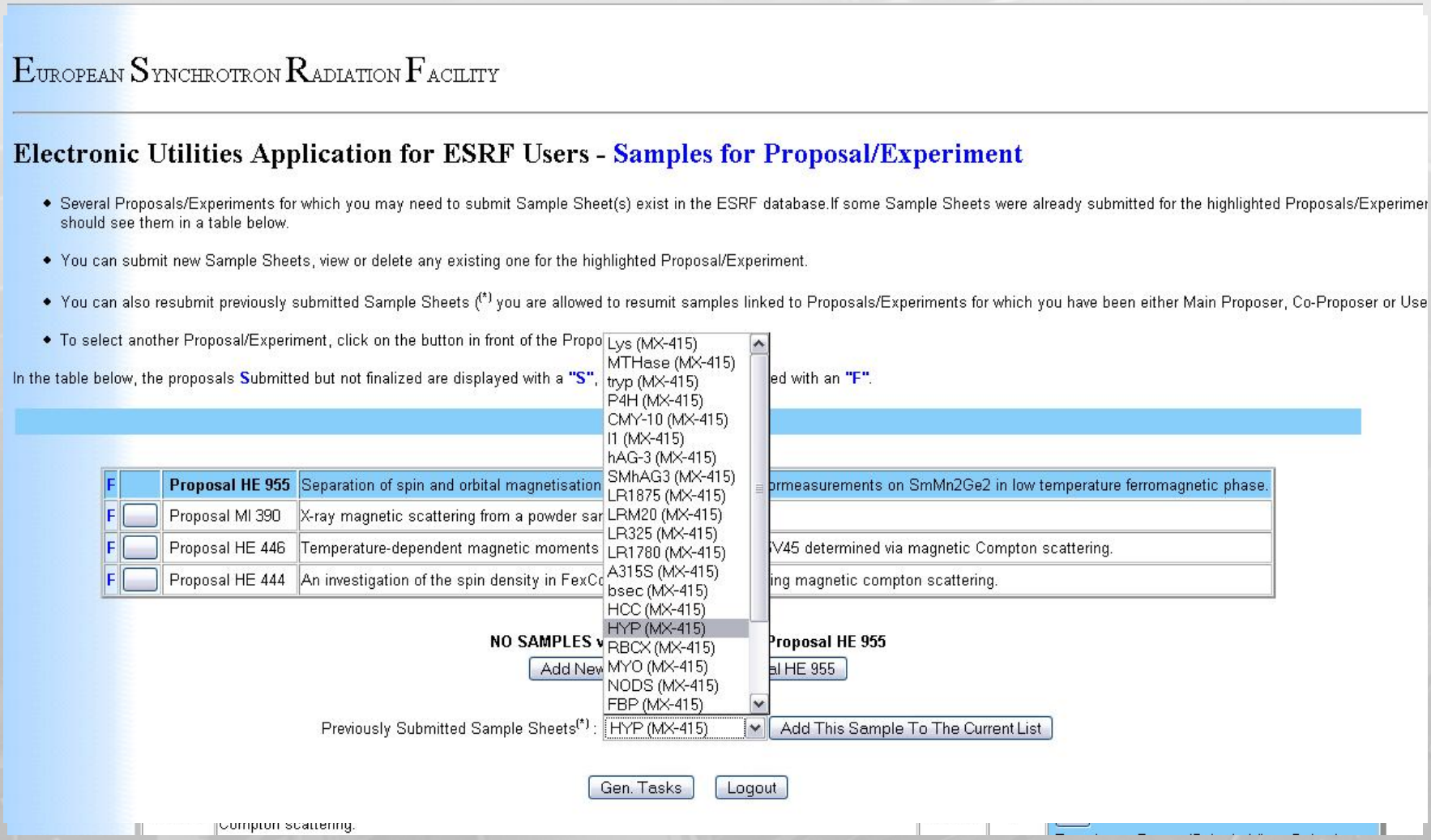
Finance, beamline, publication databases are separate

SMIS Web Client





SMIS User Utilities



EUROPEAN SYNCHROTRON RADIATION FACILITY

Electronic Utilities Application for ESRF Users - Samples for Proposal/Experiment

- Several Proposals/Experiments for which you may need to submit Sample Sheet(s) exist in the ESRF database.If some Sample Sheets were already submitted for the highlighted Proposals/Experimer should see them in a table below.
- You can submit new Sample Sheets, view or delete any existing one for the highlighted Proposal/Experiment.
- You can also resubmit previously submitted Sample Sheets (*) you are allowed to resumit samples linked to Proposals/Experiments for which you have been either Main Proposer, Co-Proposer or Use
- To select another Proposal/Experiment, click on the button in front of the Propo

In the table below, the proposals Submitted but not finalized are displayed with a "S", ed with an "F".

F		**Proposal HE 955**	Separation of spin and orbital magnetisation ormeasurements on SmMn2Ge2 in low temperature ferromagnetic phase.
F		Proposal MI 390	X-ray magnetic scattering from a powder sar
F		Proposal HE 446	Temperature-dependent magnetic moments V45 determined via magnetic Compton scattering.
F		Proposal HE 444	An investigation of the spin density in FexCo ing magnetic compton scattering.

Lys (MX-415)
MTHase (MX-415)
tryp (MX-415)
P4H (MX-415)
CMY-10 (MX-415)
I1 (MX-415)
hAG-3 (MX-415)
SMhAG3 (MX-415)
LR1875 (MX-415)
LRM20 (MX-415)
LR325 (MX-415)
LR1780 (MX-415)
A315S (MX-415)
bsec (MX-415)
HCC (MX-415)
HYP (MX-415)
RBCX (MX-415)
MYO (MX-415)
NODS (MX-415)
FBP (MX-415)

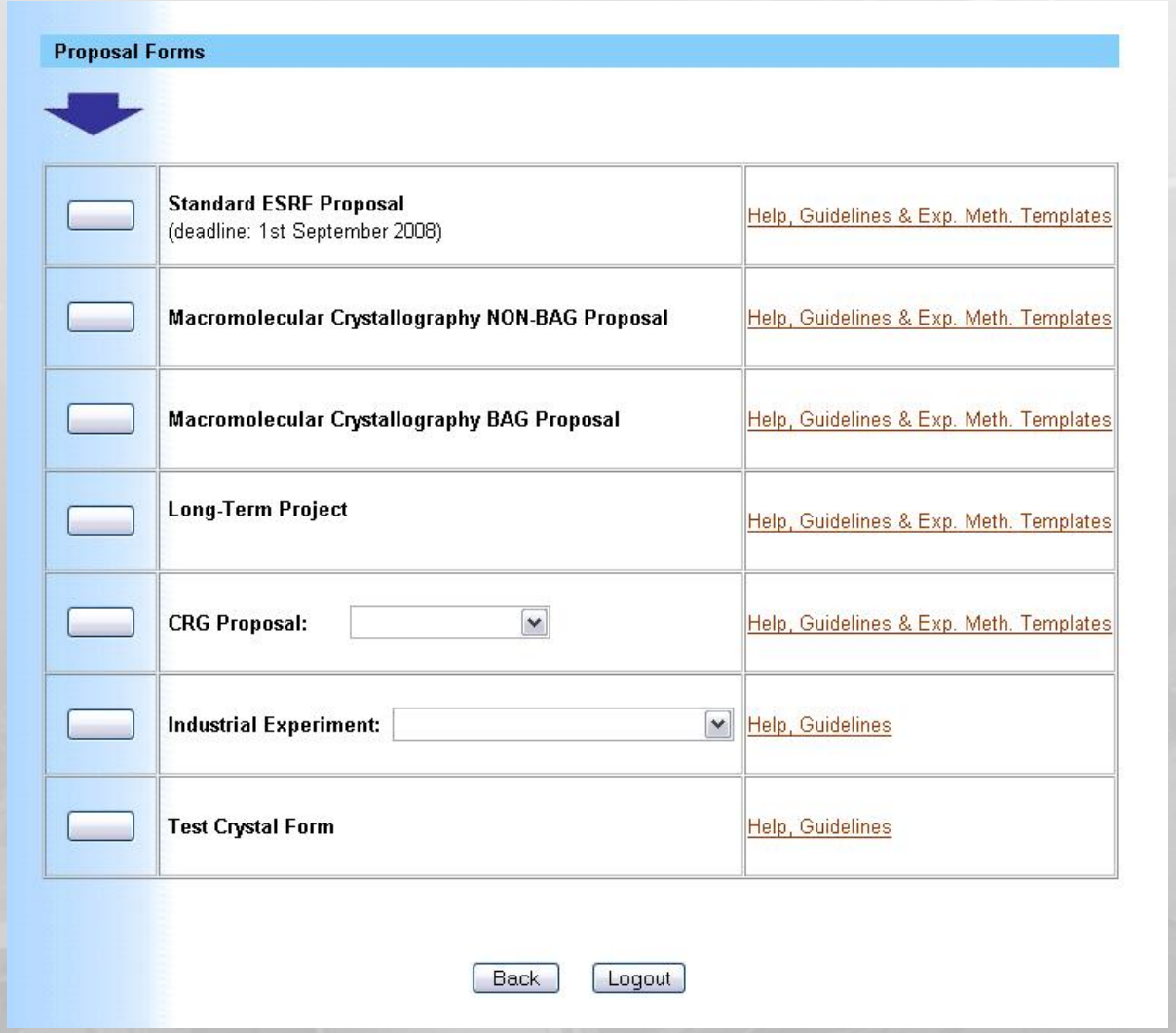
NO SAMPLES v **Proposal HE 955**

Add New al HE 955

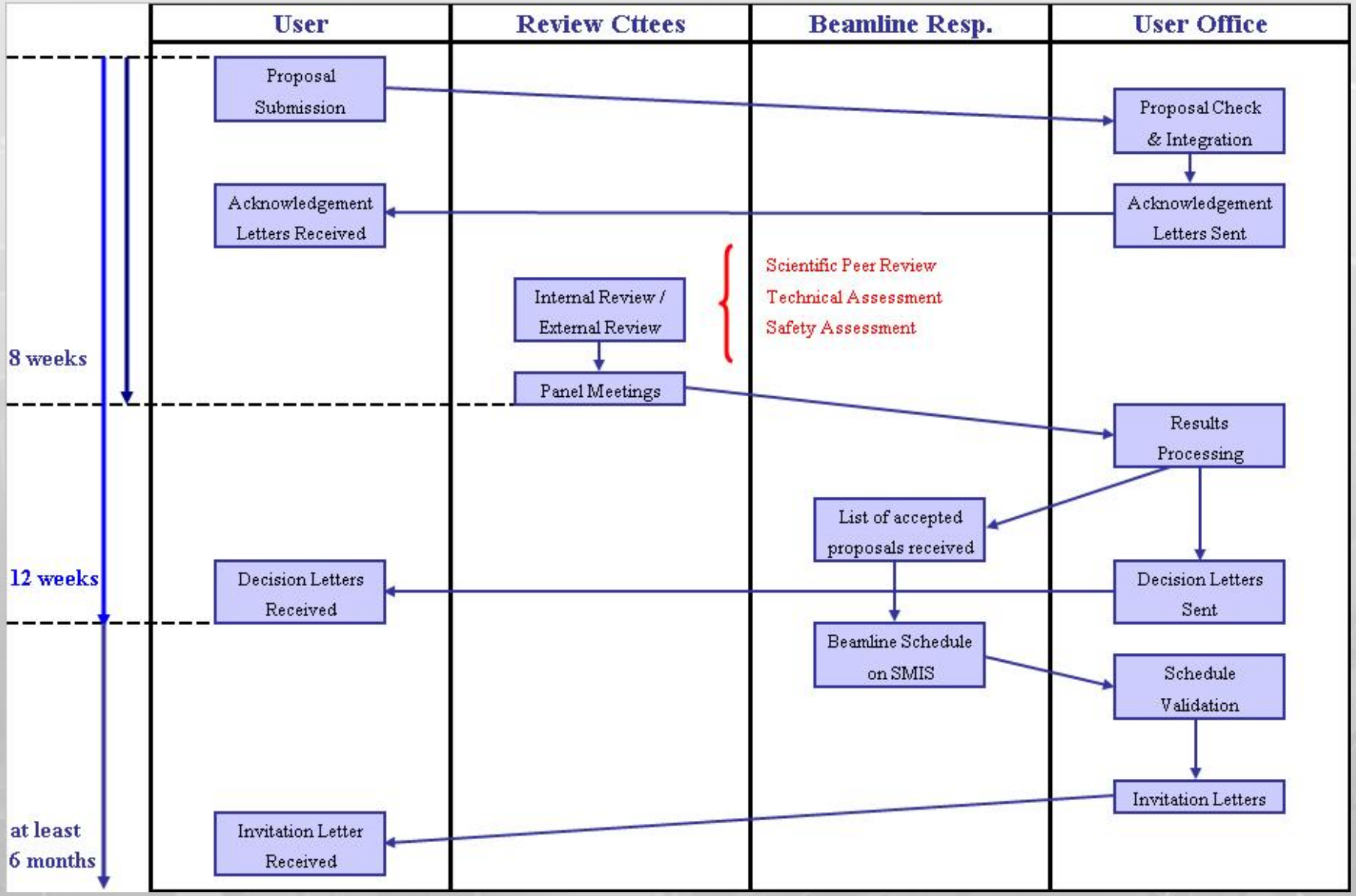
Previously Submitted Sample Sheets(*) : HYP (MX-415) Add This Sample To The Current List

Gen. Tasks Logout

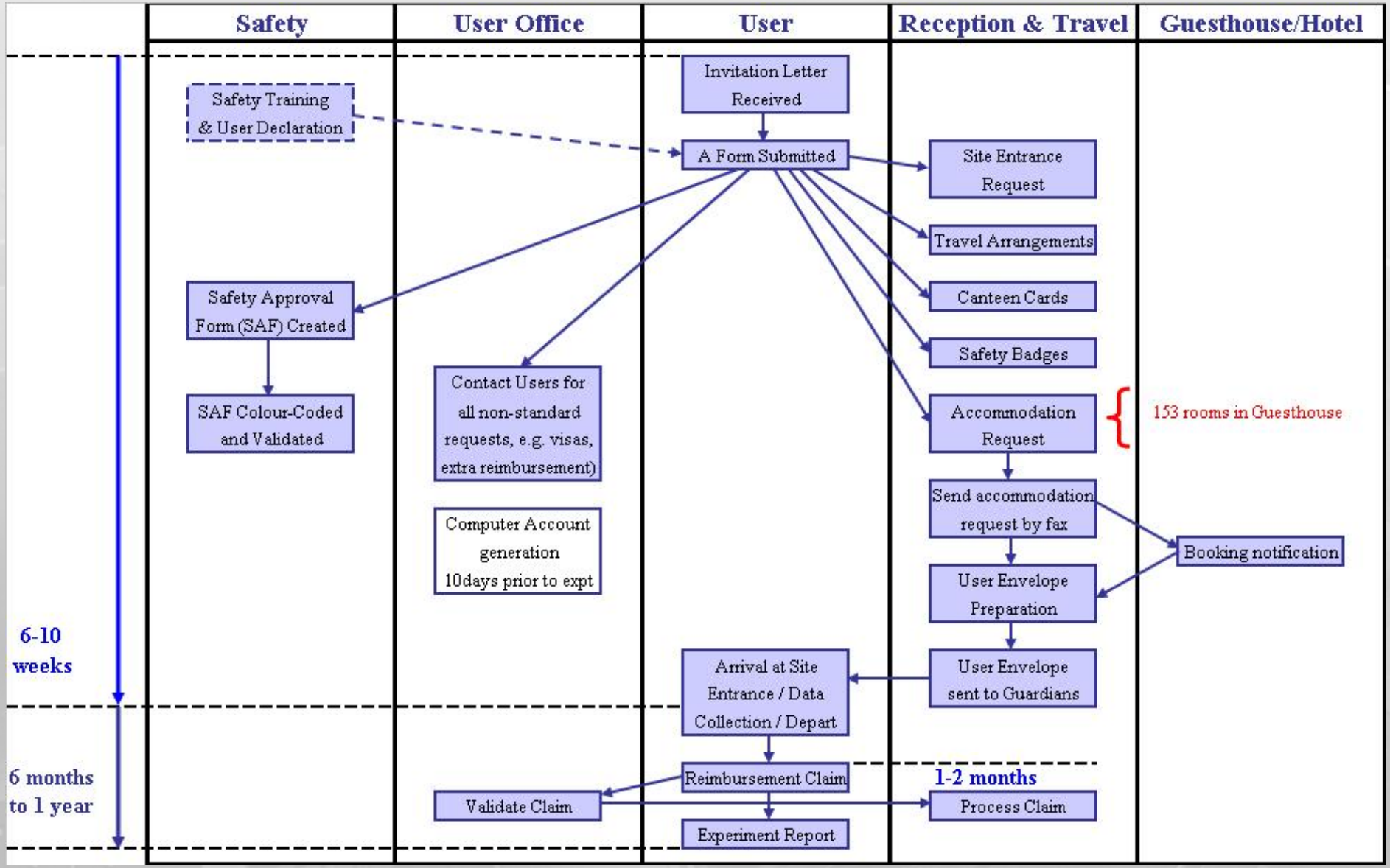
SMIS User Utilities



Route to the ESRF…..



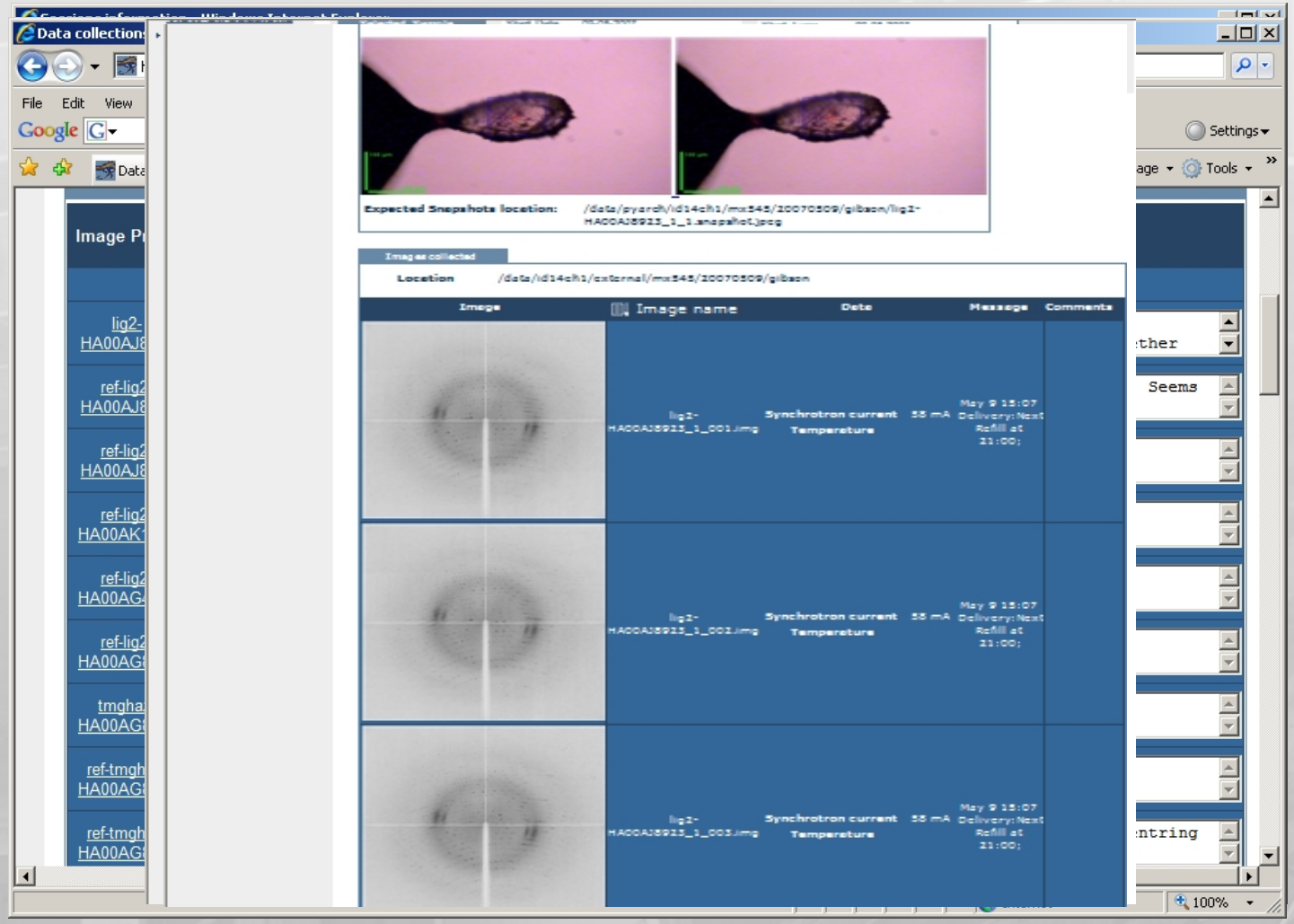
Route to the ESRF…..



Other Databases

- Finance : FMIS
- Publications Database : Managed by ILL/ESRF Library
  - joint database for both facilities
  - linked to ESRF electronic proposal submission and MX BAG reports
- Beamline Databases : specific to beamline
  - e.g. ISPyB – beamline database for MX beamlines (used by ESRF, Diamond…)
    - linked to SMIS database for experiment session and samples info
    - beamline database includes experiment (proposal?) info, not vice versa
- …..

ISPyB : Example of linking beamline and UO databases



Future Needs – ESRF Side

- ESRF Upgrade Programme
  - effect on number of experiments / visitors ?
  - scientific areas benefitting from complementary techniques ?
    - Structural biology (SAXS, SANS, X-ray / n-diffraction, low res. n-scattering…)
    - Soft condensed matter studies
    - Magnetic scattering (X-ray / n-diffraction…)
    - Materials science….
- Joint Consortia
  - PSB, possible Soft Condensed Matter consortium, …
- Joint proposals or linked proposals for both facilities
- Common Site Entrance for ILL and ESRF
- Open possibilities to pan-European approach (transparency for Users…)
- …

Conclusion

- "Unique site for scientific research and centre of excellence"

Points to address today…

? impact and benefits/drawbacks of a single entry point (users, experiments, results and publications)

? criteria and framework for a single point entry system able to function between the ESRF and ILL

? joint application - which scientific areas could benefit most and could be promoted with joint applications for both ESRF and ILL time

? Anything else….?

Thank You for your attention!