**ISPyB Developers Web meeting**

2020-10-09

Participants: ALBA: Daniel Sanchez, DLS: Neil Smith, James Hall, MaxIV: Alberto Nardella, EMBL Hamburg: Ivars Karpics, ESRF: Olof Svensson, Gianluca Santoni, Alex De Maria, Oulu: Ed Daniel,

**Status reports**

* ESRF: in cooperation with DLS working on the EM database model. Busy with beamline startup. O. Svensson informed that after long shutdown EDNA-2 instead of EDNA-MX apart from characterisation is used.
* MaxIV: did try to run py-ispyb and faced issues to run it via docker container. IK informed that the docker image is not complete and suggested to run py-ispyb as standalone application from terminal.
* Oulu: working together with MaxIV on shipments.
* DLS: working on EM database tables and busy with provided more service for remote beamline access.
* EMBL Hamburg: working on py-ispyb and ssx database model, see below.

**py-ispyb**

* A new decorator roles\_requered allows to define user roles allowed to access an ispyb resource. NS informed that DLS use a lot of roles and complicated authorization mechanism via tables in the database (Persmission, UserGroup\_has\_Permission, UserGroup\_has\_Person) and most likely a hard coded list of user groups will not be sufficient. IK acknowledge that this is a first version of authorization and will look how to expand it and make more configurable.
* IK demonstrated a new authentication class EMBLAuth that uses LDAP to authenticate users.

**Database model for serial crystallography (SSX)**

* The database model was prepared by Gleb Bourenkov, David von Stetten and Ivars Karpics (all EMBL Hamburg) and sent to all mailing lists of ispyb. As the model was sent few days before the developers’ meeting, no feedback was received. IK informed that during the next MXCuBE/ISPyB meeting there will be a detailed presentation from the beamline scientists.
* GS gave a feedback and informed that the current ssx model do not have enough information about SSX specific data processing and it would be good to know how the existing auto processing tables will be used. IK replayed that the initial SSX model tends to draw an overall scope of a ssx experiment starting from sample preparation, experimental setup and data acquisition. GS will look at the autoprocessing tables and give his feedback.
* IK will explore how the existing SAXS tables (for example Buffer) could be reused for the ssx database model.