

# Developers meeting December 2018/12/11

Present: Martin Savko (MS), Mikel Eguraun (ME), Ivars Karpics (IK), Michael Hellmig (MH), Rasmus Fogh (RF), Gerard Bricogne (GB), Peter Keller (PK), Jakob Urbschat (JU), Milan Prica (MP), Gabriel Fedel (GF), Lais do Carmo (LC), Daniele De Sanctis (DDS), Antonia Beteva (AB), Marcus Oskarsson (MO).

Absent: Jordi Andreu (JA)

## 1. Minutes of last meeting

The minutes of the Grenoble face to face meeting was approved.

## 2. Approval of agenda

The proposed agenda was approved, see Appendix for proposed agenda.

## 3. Impressions of The Grenoble meeting

The meeting was seen as useful, pleasant and productive, nobody dissenting.

## 4. Current status and work being done

IK (EMBL-HH) have worked on refactoring HardwareRepository master and starts to have a running mockup version

MS (SOLEIL) testing HardwareRepository master with his local configuration, there are still a few things to sort out. Will still be running version 2.3.0 by February.

RH (GLPH) have worked on refactoring HardwareRepository master

ME (MAXIV) Going to install perform tests with latest HardwareRepository master (future 3.0)

MH (Berlin) Heavily engaged with uer operations. Working on cleaning and catching up.

MP (ELETTRA) recently implemented characterization procedure (just image acquisition, without EDNA post processing). Going to test the remote access in the near future.

JU (DESSY) Going to install perform tests with latest HardwareRepository 2.3.0

LC and GF (LNLS) working on installing and testing MXCuBE3 and ISPyB with docker images

JA (ALBA) was not present during the meeting but have communicated that they at ABLA are running close to HardwareRepository 2.3.0 and testing the mockup version master branch on a fresh Debian9 machine.

AB and MO (ESRF) have worked on refactoring HardwareRepository master, AB have worked on AbstractDiffractometer and AbstractCollect and is going to publish a PR with AbstractDiffractometer that can be used as a basis for further discussion (i.e. should not be merged immediately). MO is preparing MXCuBE3 for HardwareRepository master.

It was agreed the RF should check the current license statement and produce a template for license statements in new files that satisfy the LGPL conditions and the needs of Global Phasing.. **ACTION** RF, PK.

IK reports that Python 3 compatibility will be a fairly big job, but that it is definitely doable.

## 5. CONTRIBUTORS file and working routines

IK presents the content of the CONTRIBUTORS file. AB have previously raised a concern regarding the proposed way to submit a PR. Pull requests can, according the current routine, be submitted from either the origin repository or a fork. AB is asking if it's not better to only submit PR's from origin as one have to add an additional remote to test it. ME remarks on the other hand the submitting PR's from the origin creates a lot of additional branches which needs to be cleaned up. It's decided that a branch created on origin for a PR should be removed after the PR is merged. It's also decided that it's not an issue to add an additional remote for testing a PR.

MO asks what the rest of the developers thinks about adding a section about documentation and testing to the contributors file. It's after some discussion decided that there should be a section about testing and documentation, including a minimum documentation template. The documentation section should further describe in which source files to add a complete XML configuration example/reference.

MO recollects that there was discussion regarding how to assign reviewers and approve PR's. He asks if we should not formalize the procedure that are often being used and add it to the CONTRIBUTORS file. It's decided that a the author of a PR can assign any number of reviewers including "no one". All the assigned reviewers of a PR have to approve it before it can be merged and the last reviewer to review the PR have the responsibility of merging it. A PR that has no reviewer can be approved and merged by anyone.

## 6. Contents of 3.0.0-alpha and roadmap

MO quickly reviews the actions and decisions from the face to face meeting. Many of the structural changes, moving and renaming files and folders, are already done. As well as converting the current code base to PEP-8. The concrete sample changer implementations still needs to be moved from the sample\_changer directory to the root folder. The AbstractDiffractometer and AbstractCollect proposed by AB needs to be in place before the all Generic\* files can be removed.

It's decided that these structural changes along with AbstractDiffractometer and AbstractCollect can be done before the MXCuBE meeting at MAXIV in March. The bigger refactoring tasks involving, Session, Queue and BeamlineSetup however have to be done after the meeting.

Proposed roadmap to be finalized for the January meeting, so that it can be given to the steering committee in mid February:

M1 2018-12-11 to 2019-03-12

- Structural changes
- AbstractDiffractometer
- AbstractCollect
- Working version of mockups

M2 2019-03-15 to - ?

- Session
- Queue
- BeamlineSetup
- Python 3 compatibility
- ...

## Next meeting

The next meeting is foreseen to take place the week of 21st - 25th of January. RF is taking care of creating a doodle poll to find the date that best suits everybody.

## AOB

GB raises the question of a possible hackathon in connection with the MXCuBE meeting. It is agreed that these hackathons require much preparation to be successful, and should run over more than one day, so they are better held separately than together with the MXCuBE meeting.

## Summary and Decisions:

- A branch created on origin for a PR should be removed after the PR is merged.
- It's not an issue to add an additional remote for testing a PR.
- There should be a section in the CONTRIBUTORS file about testing and documentation. The documentation section should further describe in which source files to add a complete XML configuration example/reference.
- The author of a PR can assign any number of reviewers including "no one". All the assigned reviewers of a PR have to approve it before it can be merged and the last reviewer to review the PR have the responsibility of merging it. A PR that has no reviewer can be approved and merged by anyone. (To be added in the the CONTRIBUTORS file)
- It's decided that the structural changes, moving and renaming files and folders, along with AbstractDiffractometer and AbstractCollect can be done before the MXCuBE meeting at MAXIV in March. The bigger refactoring tasks involving, Session, Queue and BeamlineSetup however have to be done after the meeting.

## Roadmap

Proposed roadmap to be finalized for the January meeting, so that it can be given to the steering committee in mid february:

M1 2018-12-11 to 2019-03-12

- Structural changes
- AbstractDiffractometer
- AbstarctCollect
- Working version of mockups

M2 2019-03-15 to - ?

- Session
- Queue
- BeamlineSetup
- Python 3 compatibility
- 
- ...

# APPENDIX - Meeting agenda

- Approval last meetings minutes
- Approval of meeting agenda
  
- Short round of impressions of Grenoble face to face meeting
  
- Current status and work being done (especially on new master)
  - All sites
  - Antonia status of AbstractDiffractometer and AbstractCollect
  
- Discussion around CONTRIBUTORS file and overall routines
  - Ivars a few words on current CONTRIBUTORS as intro
  
- Contents of 3.0.0-alpha
  
- Next meeting (January)
  
- AOB