Join MXCuBE/ISPyB meeting, 27-29.06.2016, Hamburg

Final Program
Venue: DESY Campus, Seminar room in 2nd floor of building 48e

Day 1 (27.06) - MXCuBE

11:00 – 12:00	Visiting PETRA and EMBL beamlines P13, P14
12:00 – 13:00	Light Lunch

Session 1. Welcome, recall of previous meeting and current status (chair EMBL-HH)

13:00 – 13:05	Welcome - Thomas Schneider, EMBL-HH
13:05 – 13:15	Recall of previous meeting - Daniele De Sanctis, ESRF
13:15 – 13:30	Steering Committee discussions & recommendations - Marjolein Thunnissen, MAX IV

13:30 - 15:00   MxCuBE at the sites: status, problems and outlook (7 + 3 min)

- ALBA – Jordi Andreu
- DESY – Jan Meyer
- EMBL-HH – Ivars Karpics
- ESRF – Antonia Beteva
- GP – Gerard Bricogne
- HZB – Michael Hellmig
- MAX IV – Jie Nan
- SOLEIL – Laurent Gadea

15:00 – 15:30   Coffee Break

Session 2. Ongoing and new developments (chair ESRF)

15:30 – 16:00	The reason why MX beamline of Brazilian Synchrotron decided to use MXCuBE and current challenges - Douglas Bezerra Beniz, LNLS
16:00 – 16:30	MXCuBE at Elettra - Milan Prica, Elettra
16:30 – 16:50	IMCA-CAT: Getting to Know You- Lewis Muir, IMCA-CAT
16:50 – 17:10	MXCuBE 3: development process, collaboration model, Antonio Milan-Otero MAX IV
17:10 – 17:30	Web applications data persistence, a case study for MXCuBE 3 - Matias Guijarro, ESRF
17:30 – 18:00	Round Table: Future milestones and deadlines
18:00 – 22:00	BBQ on Terrace (48e)

Day 2 (28.06) - MXCuBE / ISPyB

Session 3. GUI developments (chair MAX IV)

9:00 – 9:20	Mini-kappa alignment procedures, Clemens Vonrheim, GP
9:20 – 9:40	The MXCuBE 3 Data Collection, Fredrik Bolmsten, MAX IV
9:40 – 10:00	MXCuBE Qt4: current status - Ivars Karpics, EMBL-HH
10:00 – 10:20	The MXCUBE 3 sample grid: a bridge to ISPyB - Daniele De Sanctis, ESRF
10:30 – 11:00	Coffee Break

Session 4. Abstraction, Data models, Collection methods, Hardware objects (chair SOLEIL)

11:00 – 11:20	MXCuBE and the soul of the beamline - Martin Savko, SOLEIL
11:20 – 11:40	Implementation of the Abstract Beamline Interface - Peter Keller, GP
11:40 – 12:00	Integration of MD3 from the HardwareObjects aspect – Jie Nan, MAX IV
12:00 – 12:15	Implementing mesh scan, interleaved collection and potential for other collection methods in MXCuBE – Ivars Karpics, EMBL-HH
12:15 – 12:30	Python3 support and other developments - Ivars Karpics, EMBL-HH
12:30 – 13:30	Lunch

Session 5. Steering Committee meeting/Developers meeting (parallel)

13:30 – 15:00	Steering Committee meeting	48e
	Developers meeting	25a (to be verified)
	Discussion, Work packages, Conclusions	
	Plan Objectives for the year to come, Addressing risks in the development.	
	Possible next meeting date & place	
15:00 – 15:30	Coffee Break	

Session 6. Round Table and Conclusions (chair ALBA)

15:30 – 16:30	Round table
	Concluding remarks
	End of MXCuBE meeting
16:30 – 17:00	Coffee Break

Session 1. ISPyB: latest developments (chair EMBL-HH)

17:00 – 17:15	Database merging meeting (April 2016) report- procedure & plan description Solange Delageniere, ESRF
17:15 – 17:25	Status at ESRF - Solange Delageniere, ESRF
17:25 – 17:35	Status at Diamond - Karl Levik, Diamond
17:35 – 18:00	Priorities and Plans for ISPyB at Diamond - Alun Ashton, Diamond
18:00 – 18:30	ESRF current status and future - Alejandro De Maria, ESRF
18:30 – 22:00	BBQ on Terrace (48e)

Day 3 (29.06) - ISPyB

Session 2. ISPyB current status and developments (chair ESRF)

9:00 - 10:00   ISPyB at the sites: status, problems and outlook (7 + 3 min)
- ALBA –
- DLS -
- EMBL-HH – Ivars Karpics
- ESRF –
- MAX IV –
- SOLEIL –

10:00 – 10:15   Shipping data: Home lab perspective - Edward Daniel, University of Oulu
10:15 – 10:30   SynchWeb Updates - Stuart Fisher, Quantum Detectors

10:30 – 10:45   Coffee Break

Session 4. ISPyB datamodel (chair DSL)

10:45 – 11:15   Limits of the common data model - Stephanie & Thomas
11:15 – 11:45   High priorities until next meeting & who on what? - Gordon & Marjolaine
11:45 – 12:15   How to work together: new table creation, new techniques. - Alex & Ivars

Session 5. ISPyB MOU (chair ESRF)

12:15 – 12:45   MOU status – Stephanie, ESRF
12:45 – 13:00   Concluding remarks, next meeting – Thomas Schneider, EMBL-HH

13:00 – 14:30   Lunch
                       End of ISPyB meeting

Day 3 (29.06) - MXCuBE developer's workshop and sprints (flexible program)

- Please take a laptop with clean ubuntu installation (virtual machine with ubuntu 14.04 is recommended).
- The Developer's workshop will be held in a flexible manner on a question, answer basis.
- The Agenda for the workshop will be changing during the workshop.
- Developer sprints are planned as a code online co-development.

Session 1. Working with git (14:30 - 16:00)

- Personalized repository, synchronization with origin/master
- Working with local repository
- Preparing pull requests (PR)
- PR peer reviewing. Accepting/declining PR
- Branches

Session 2. Setting up mxcube web and Qt4 (16:00 - 18:00)

- Getting code from git
- Dependencies
- Starting mxcube

Day 4 (30.06) - MXCuBE developer's workshop and sprints (flexible program)

Session 3. Hardware objects (hwobjs) and hardware repository (9:00 - 10:30)

- Configuring hwobj with xml
- Object/equipment/procedure, main methods. Hwobj with multiple hwobj
- Example: integrating diffractometer in mxcube

Session 4. Basic GUI development (10:30 -13:00)

- Creating a new Brick in Qt4 version. Defining GUI layout
- GUI development in web version

List of participants

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