Agenda

- Objective
- People involved
- Collaboration
- Communication
- Repository/ies
- Development Workflow
- Integrators
- Milestones
- Progress
- Lessons learned ... so far
Objective

The main objective is to provide a web application with a set of key functionalities that will replace our actual desktop application for a web based one by December 2016.
People involved

- Marjolein Thunnissen
- Darren Spruce
- Jie Nan
- Mikel Eguiraun
- Fredrik Bolmsten
- Antonio Milán Otero

+ KITS group support

- Jens Meyer
- Daniele de Sanctis
- Gordon Leonard
- Matias Guijarro

+ Web developer

... so far
Collaboration

- Scrum of Scrums
  - 1 team per facility
  - Ambassador for each team
    - Matias Guijarro (ESRF)
    - Antonio Milán (MAX IV)
  - Backlog: Feature list + Milestones (releases)
  - Sprints of 1 month duration
  - Planning meetings:
    - Sprint review and sprint retrospective.
    - Task estimation for next sprint.
    - Sprint backlog preparation.
    - Sprint goal defined per each team.
  - Scrum master: Antonio Milán (MAX IV)
Scrum?
Scrum?
Scrum?

Product Backlog → Sprint Backlog → Sprint → Working increment of the software

- 24 h
- 30 days
Collaboration

- Scrum of Scrums
  - 1 team per facility
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- Scrum master: Antonio Milán (MAX IV)
Comunication

- Extensive use of github tools:
  - Issues, labels
  - Pull requests
  - Wiki (documentation, cookbook)
  - Releases
  - Milestones
  - Feature contact
- Web meetings
- Face to face meetings
- Pair programming
Repository

- New repository created
  - https://github.com/mxcube/mxcube3
- HardwareRepository and HardwareObjects are included as submodules (version 2.1)
Development workflow

● Motivation
  - Define a clear way of contributing to the code.

● Proposals
  - Gitflow
  - Github flow
  - Gitlab flow
  - Why not our own MxCUBE flow?
Integrators

- Integrator role: Should guarantee the review of the code before a Pull request is accepted.
- An integrator is not allowed to accept it's own Pull Request (or facility Pull Request).
- Group of integrators, 1 per facility.
- M. Guijarro (ESRF), A. Milán (MAX IV)
Roadmap

- January 2016: Core Workpackages Running
- March 2016: MD3 Commissioning with web version
- June 2016: First Experiment
- October 2016: MAD Experiment
- December 2016: ISPyB
Work-packages

1  CORE: Web-ui and web-server data interchange
2  CORE: Web-ui and web-server message handler
3  CORE:GENERAL: Experiment Queue
4  CORE: Sample Centring
5  CORE: Sample Video
6  CORE: Manual Sample (un)load
7  CORE: User login
8  CORE: Web interface design
9  CORE: Web server
10  CORE: Message Logger
11  CORE:GENERAL: Remove dependencies
12  FEATURE: Beamline Management
13  FEATURE: Synchrotron specificities
14  FEATURE: Data collection:Standard
15  FEATURE: Data collection:Helical
16  FEATURE: Data collection:Mesh
17  FEATURE: Data collection: Workflow
18  FEATURE: Display collection results
19  FEATURE: Characterization
20  FEATURE: Display/Apply characterization results
21  FEATURE: Energy scan
22  FEATURE: Display energy scan results
23  FEATURE: XRF Spectra
24  FEATURE: Display XRF Spectra results
25  FEATURE: Plate Manipulator
26  FEATURE: Local/remote mode
## Progress

### January 2016
- Due by January 15, 2016
- Last updated 1 day ago
- All core packages should be running. mxcube3 will be used at BioMAX... [more]
- 44% complete
- 10 open
- 8 closed
- Edit Close Delete

### June 2016
- Due by June 21, 2016
- Last updated 1 day ago
- By this date we should be able to do an experiment at BioMAX Singli... [more]
- 0% complete
- 4 open
- 0 closed
- Edit Close Delete

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### Additional Tasks
- Experiment Queue - Frontend Side [core]
- Session management [core]
- Sample grid [core]
- Data collection: Standard [core, feature]
- Synchrotron specificities [feature]
- BeamLine Management [core]
- Message Logger [core]
- User login [core]
- Experiment Queue - Server Side [core]
Lessons learned ... so far

- Communication it's a key factor at this moment.
- Face to face meetings over online tools.
- More granularity for tasks + better agile tool for a distributed team = taiga.io
- Glossary (it's important to call the things with the same name)
Thanks for your attention

Any question?