MXCuBE HARDWARE REPOSITORY REFACTORING

THE RISE OF mxcubecore

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LATEST OUTCOME

- **Former HardwareRepository became mxcubecore (referendum)**
- **PEP-8 compliancy enhanced.**
- **Semantic versioning approved (3 digit versioning).**
- **Agreement on release policy**
- **Make mxcubecore a python package to be available on PyPi and Conda (for easier distribution)**
- **Enhancement proposal envisaged.**

LATEST OUTCOME – SEMANTIC VERSIONING

- **Major version change (1.*.*)** - breaking changes to the API. Adding new abstract classes by default breaks the API.
- **Minor (feature) version change (*.1.*) –** anything new added to existing classes or changed API capabilities. New functions in the API would need a default implementation. New parameters would need a default value.
- **Patch level change (*.*.1) -** bug fixes and minor modifications (including larger site-specific modifications).

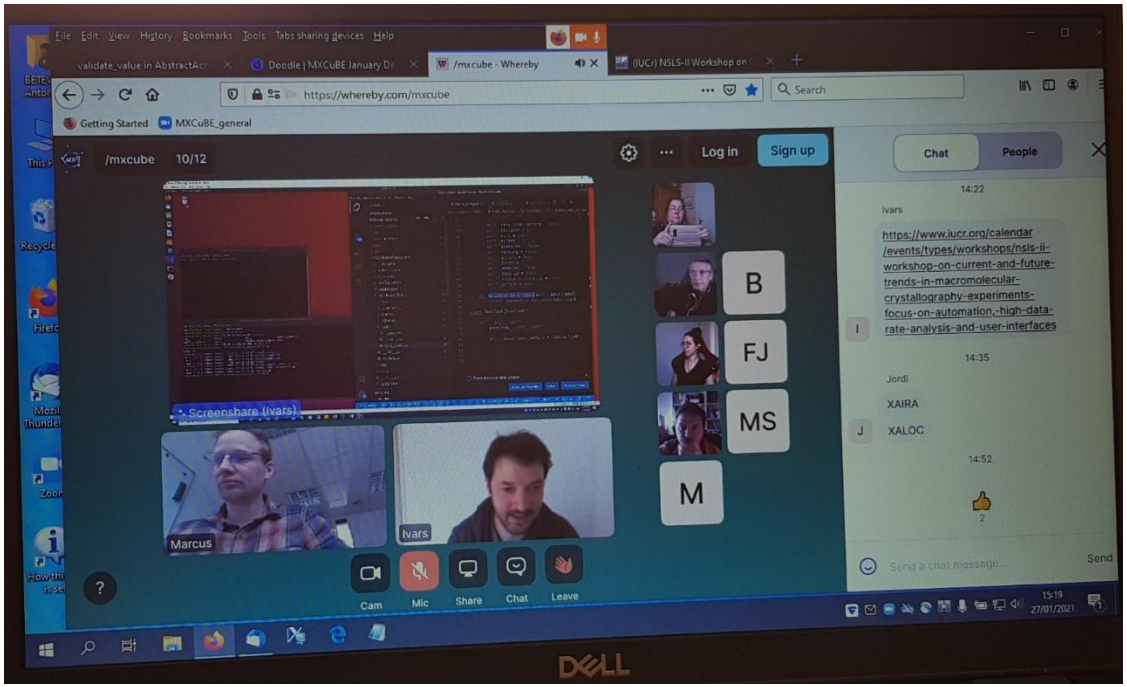
LATEST OUTCOME – RELEASE POLICY

- **Major version change (1.*.*) -** extensive discussion and agreement by the majority of the developers. Should happen every few years at most.
- **Minor (feature) version change (*.1.*) –** agreed on at developer's meeting. Multiple features can be grouped in a single version bump.
- **Patch level change (*.*.1)** – approved by at least two pull request reviewers.

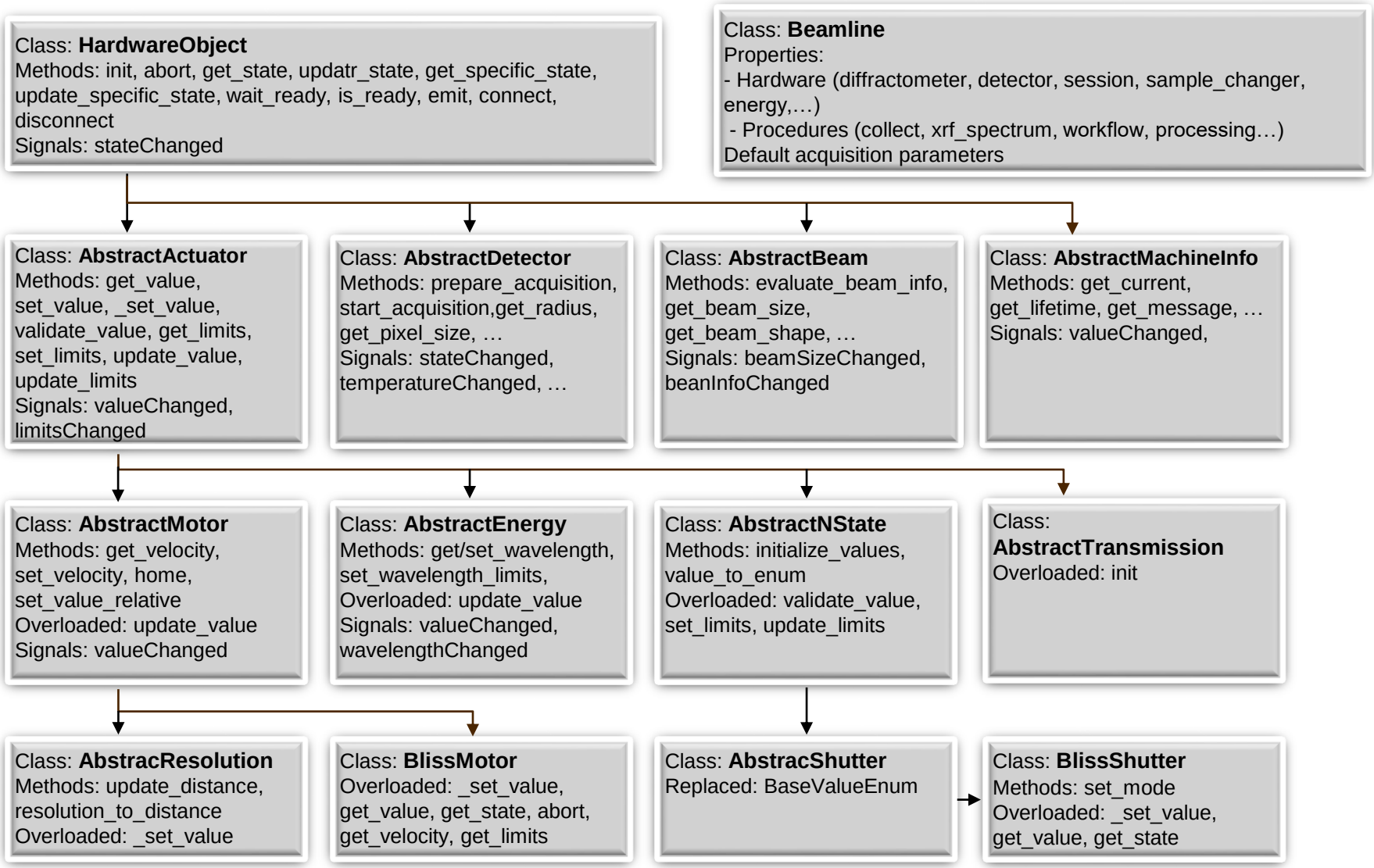
Above rules are not compulsory, but recommended for the site specific development.

DEVELOPERS MEETINGS

- Every month (4 since last MXCuBE meeting)
- **http://mxcube.github.io/mxcube/doc/developers_meetings/index.html**



mxcubecore HIERARCHY SCHEME



STILL TO COME

- **NEAR FUTURE**
  - Few abstract classes
  - Semantic versioning and release policy applied.
- **MEDIUM TERM**
  - Queue refactoring and Data Classes
  - AbstractCollect class.
  - New sample delivery systems.

WHERE TO FIND US

- **mxcubecore on github.**

https://github.com/mxcube/mxcubecore