

Taranta and MAX IV MX beamlines

Mikel Eguiraun

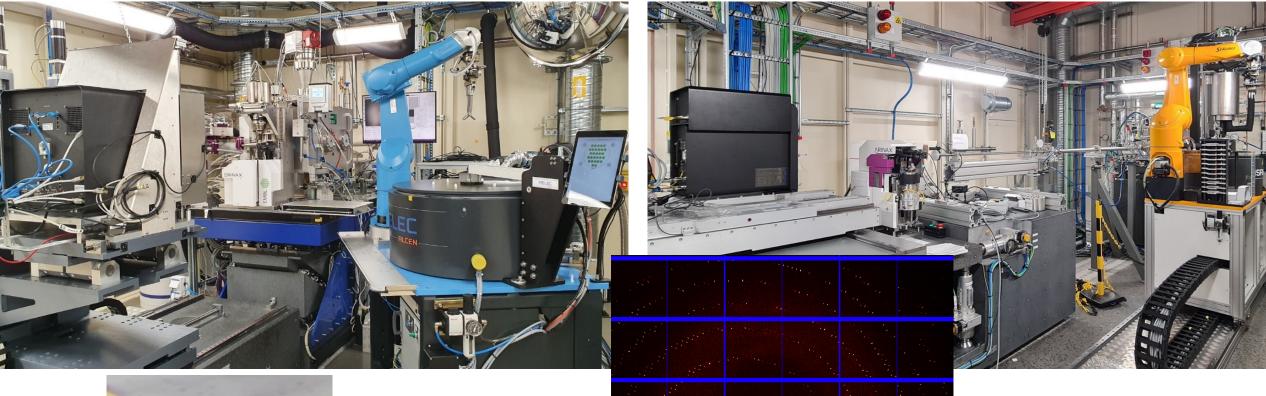
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MX beamlines at **MAX** IV

BioMAX in operation

MicroMAX under commissioning



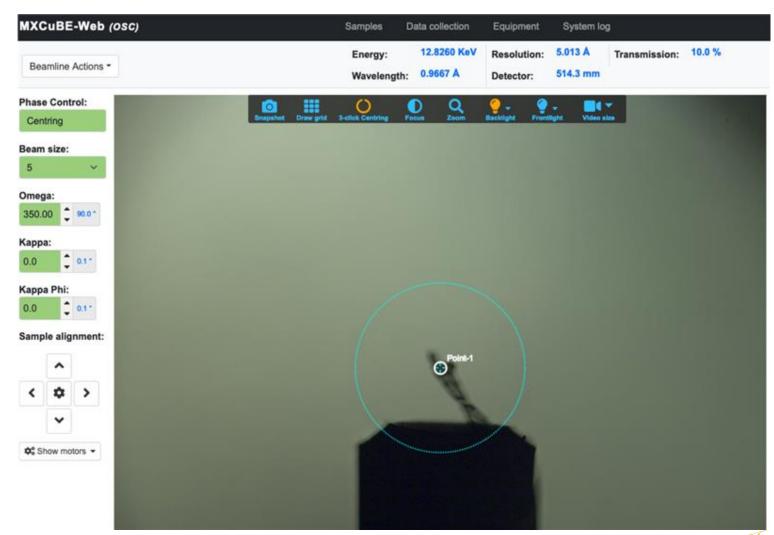






MXCuBE

- Experiment Control
- Web App
- React
- Python





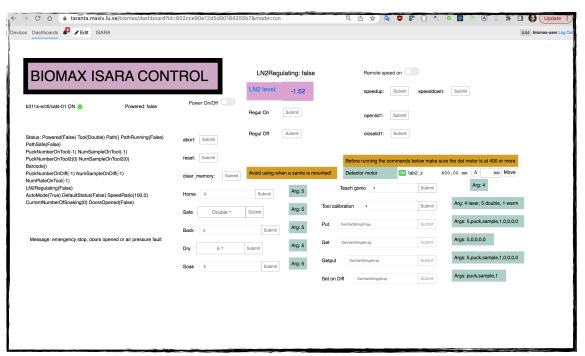
MX beamlines at **MAX** IV

- Early adopters of all new stuff
 - that improves UX, reliability, support, maintenance
- Perfomance (in a broad sense) oriented
 - Users' shift of few hours
- Web, web, web
- One tool for all is better than many
- Infinite wishlist



ISARA Sample Changer

- User operation via mxcube
- Maintenance via jive&taranta (Staff only)
 - Recovery can be complex

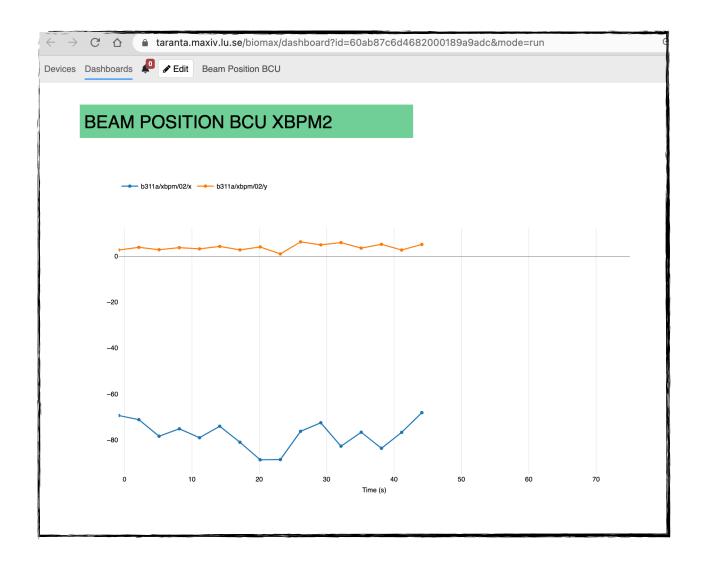






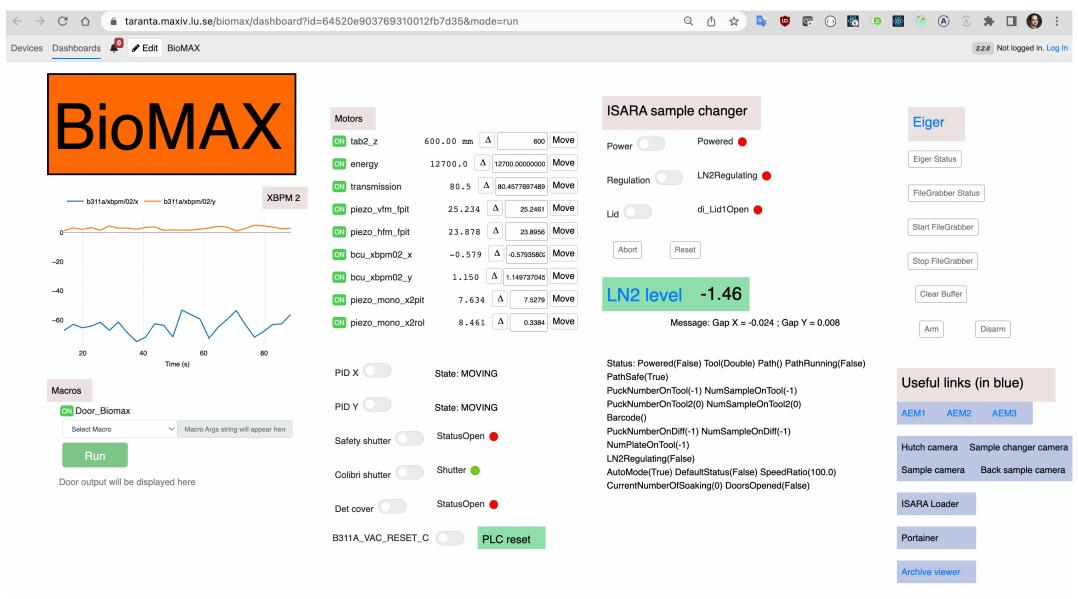
Beam Position

- Neck pain during commissioning
- Reference view during operation
 - Users can also use this tool





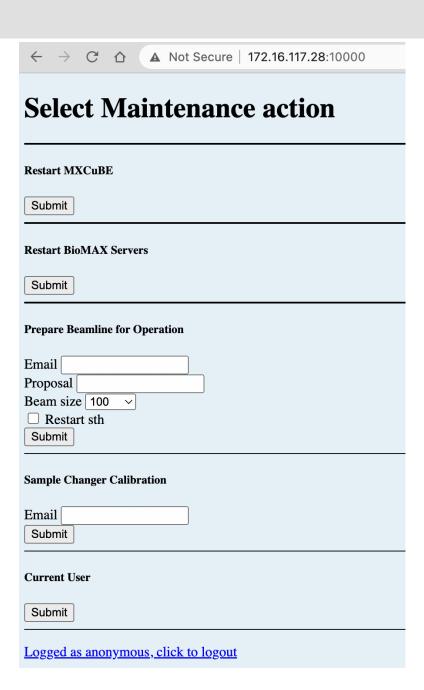
Beamline UI





Script Launcher

- Beamline scripts into web interface
 - Complex sequence of actions
- Prototype... ahem ahem
 - No auth, local logs only, no output





Questions

- How do you use dashboards on a beamline. Are they personal? Or shared between all users of the beamline?
- Do you have something like a status overview of the whole beamline, with icons for all the equipment and its status?
- If so, can you launch sub-screens for each piece of equipment to "drill down" into details?



Questions

- Can you reuse these sub-screens between different beamlines, parameterising with the name of the tango device?
- Do you launch any native applications (like a Qt GUI) from a dashboard?
- Do you have any data visualization (e.g. server reading from HDF file and GUI plotting it)
- Do you launch experiments from Taranta?

