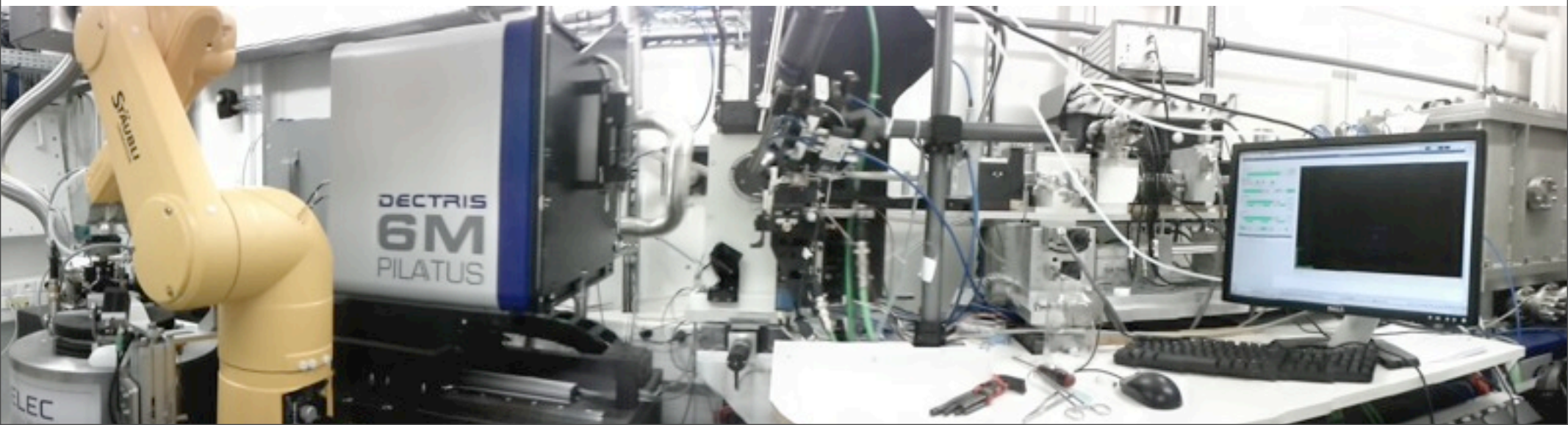
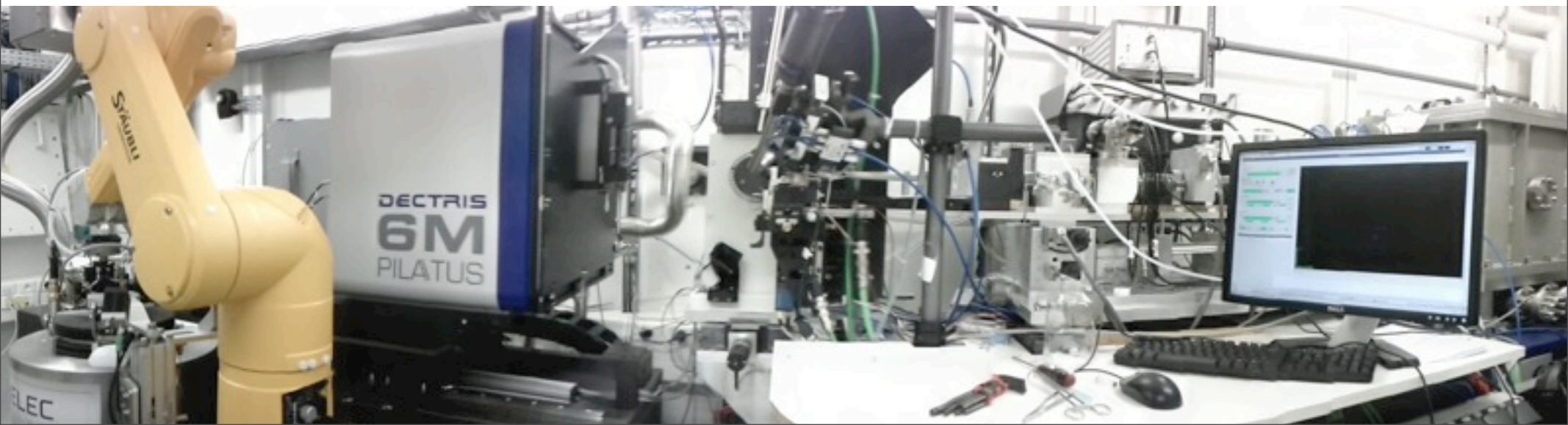
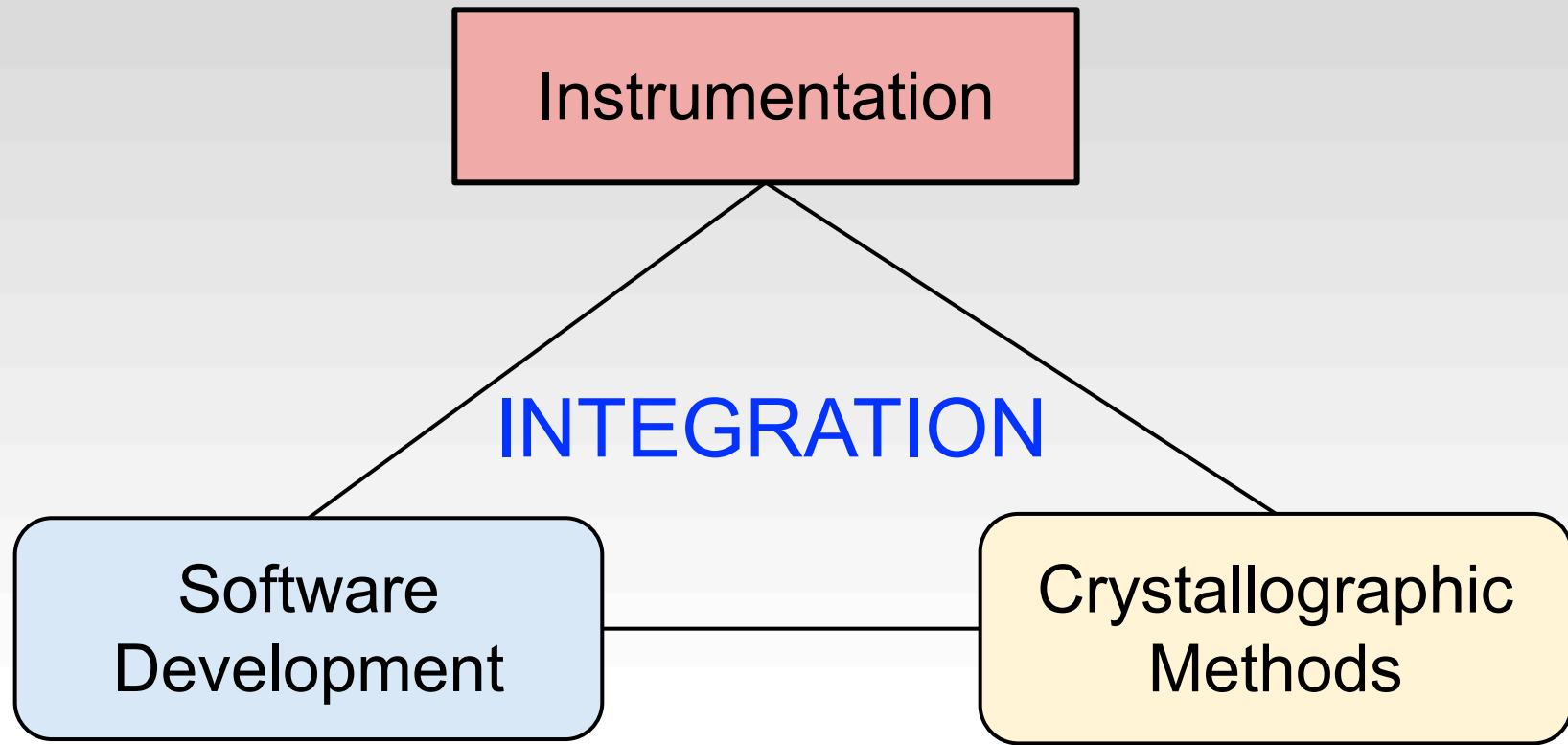


Status of mxCuBE at SOLEIL

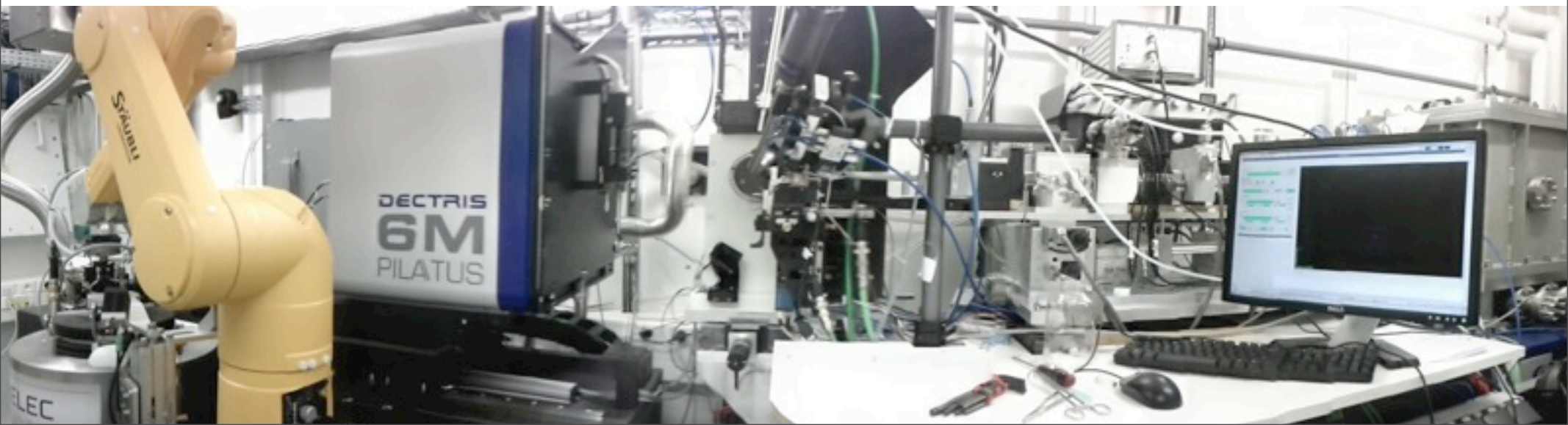
Proxima-1 & Proxima-2a





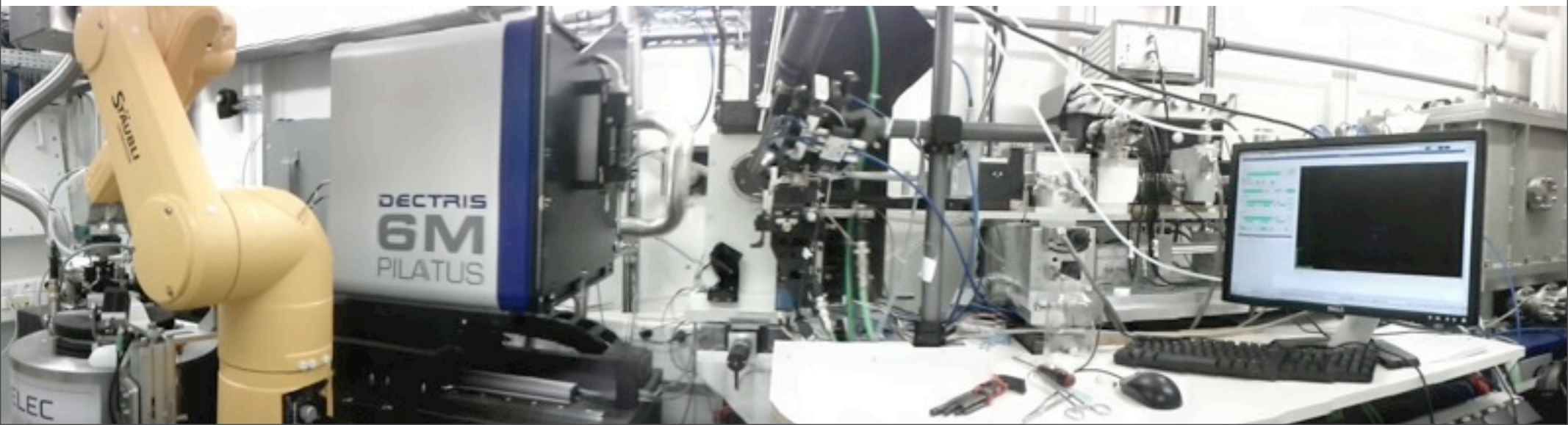
PX1:

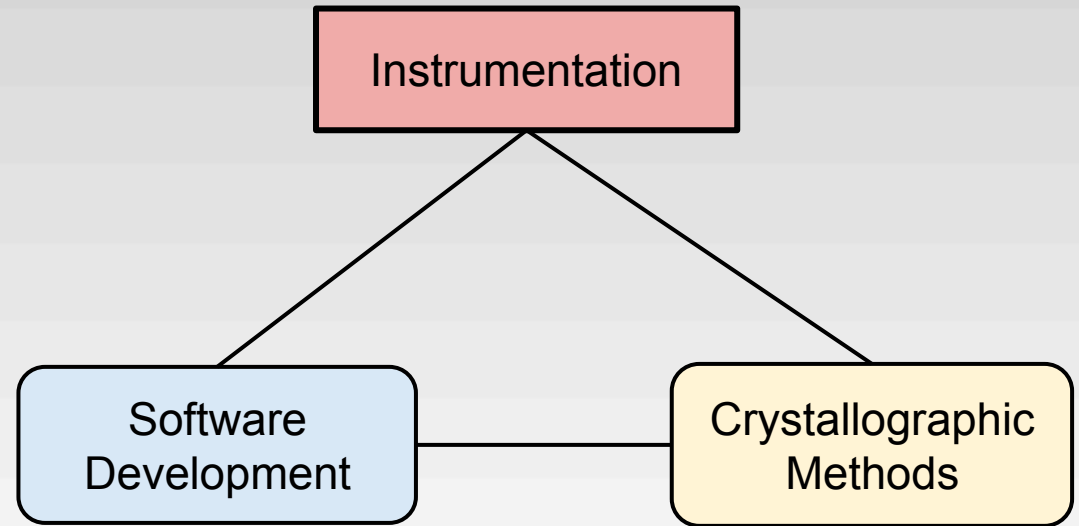
- Still using 3 main mxCuBE apps (collect, centering, E-scan)
- Based on a 2008 snapshot of BlissFramework
- Start moving to mxCuBE v2 (installed, working on HO) trying to follow more correctly the framework rules.
- Lack of manpower and time ... mxCuBE work is still progressing slowly on PX1. More progress on PX2a.
- No more software from MSC-rigakus (10-2012) Standard SOLEIL controlBox + python tango_ds (collectServer, logging_flyscan, microglide).
- CATS Sample-changer, using unipuck (01-2013). Starting with users next run.



PX1 & PX2a **TODO list** :

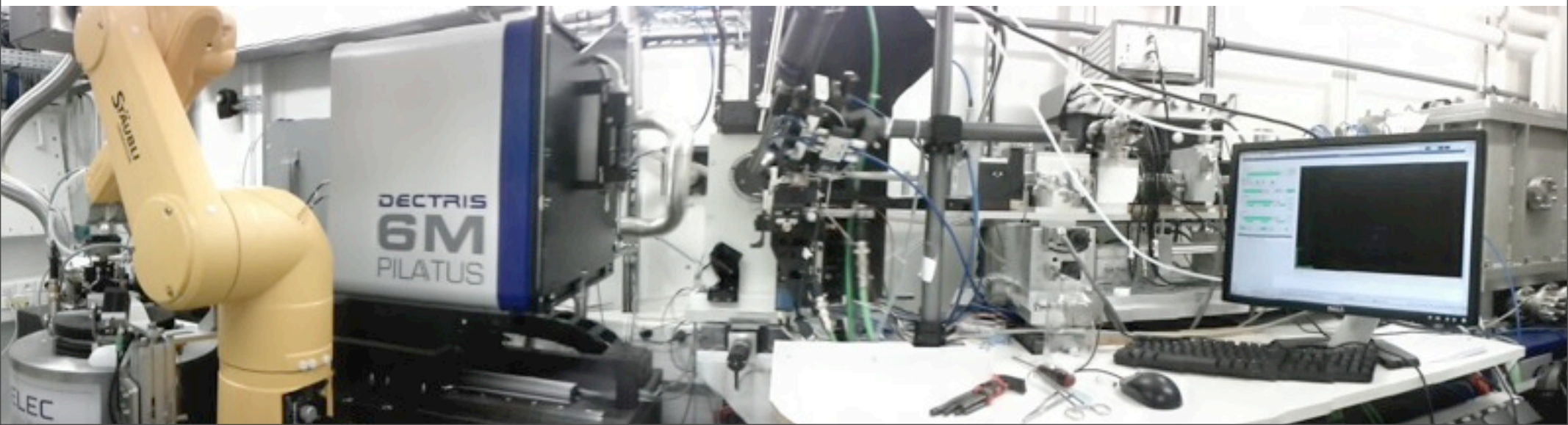
- mxCuBE integration for the CATS sample changer.
- more homogenous mxCuBE bricks and behavior when possible.
- implementation of the «Remote access» capabilities (several instances with master/slave mode).
- user login, experimental data protection and ISPyB connection with SOLEIL's User-office





Methodology in mxCuBE :

- More elaborated strategies/protocols:
 - Standard schemas input and output (json/python dict/xml)
 - Link with queues
 - Important for strategy calculation and downstream processing



1. Development around phasing protocols and

- "More elaborated" strategies:
 - Collaborations with Global phasing
 - Test/integration in mxCuBE
- Scaling, sorting and classification:
 - single crystal but multiple domains
 - multiple crystals
 - in-situ crystals
 - Collaboration with Diamond
- 3-Circles goniometer
 - Kappa Work-group
 - BioStruct-X
 - SLS