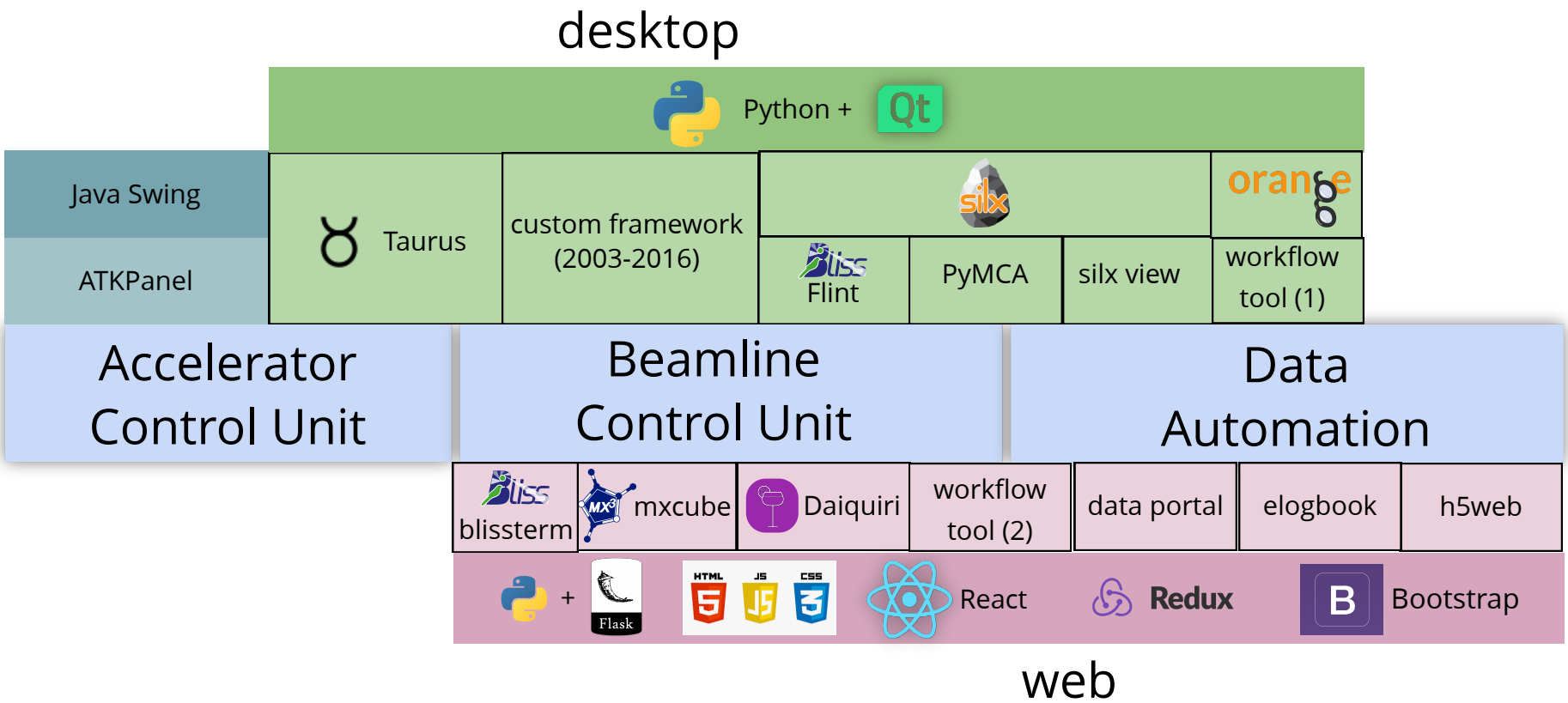
ESRF
The European Synchrotron

Control Graphical User Interfaces strategies workshop

GUIs at ESRF

presented by Matias Guijarro - on behalf of the ESRF Software Group

Panorama of UI toolkits and technologies



Strategy

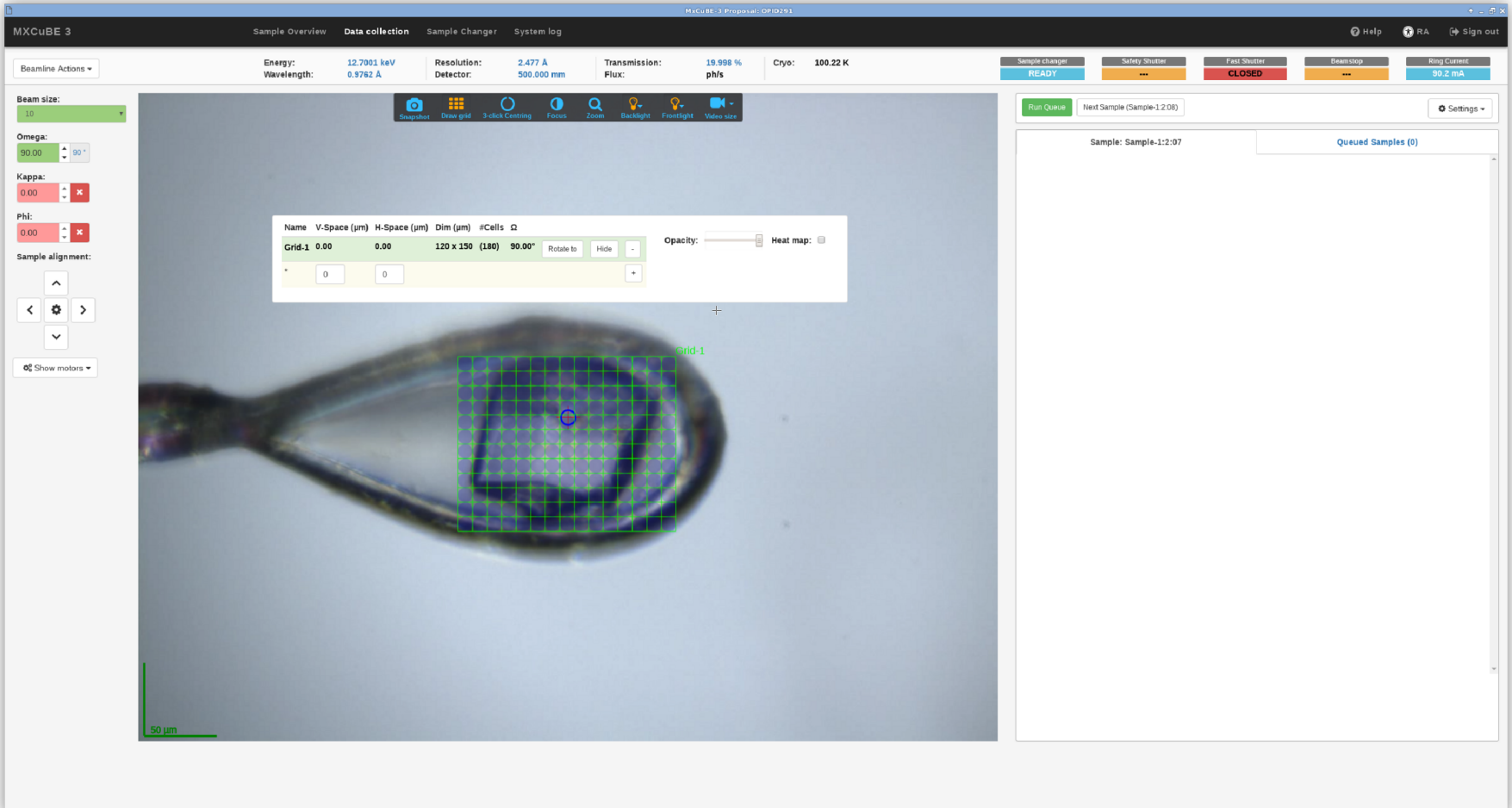
Most recent developments (2017-) are on the web platform: best for remote operation, no installation, appealing UI/UX

Need to deal with legacy applications: extended support

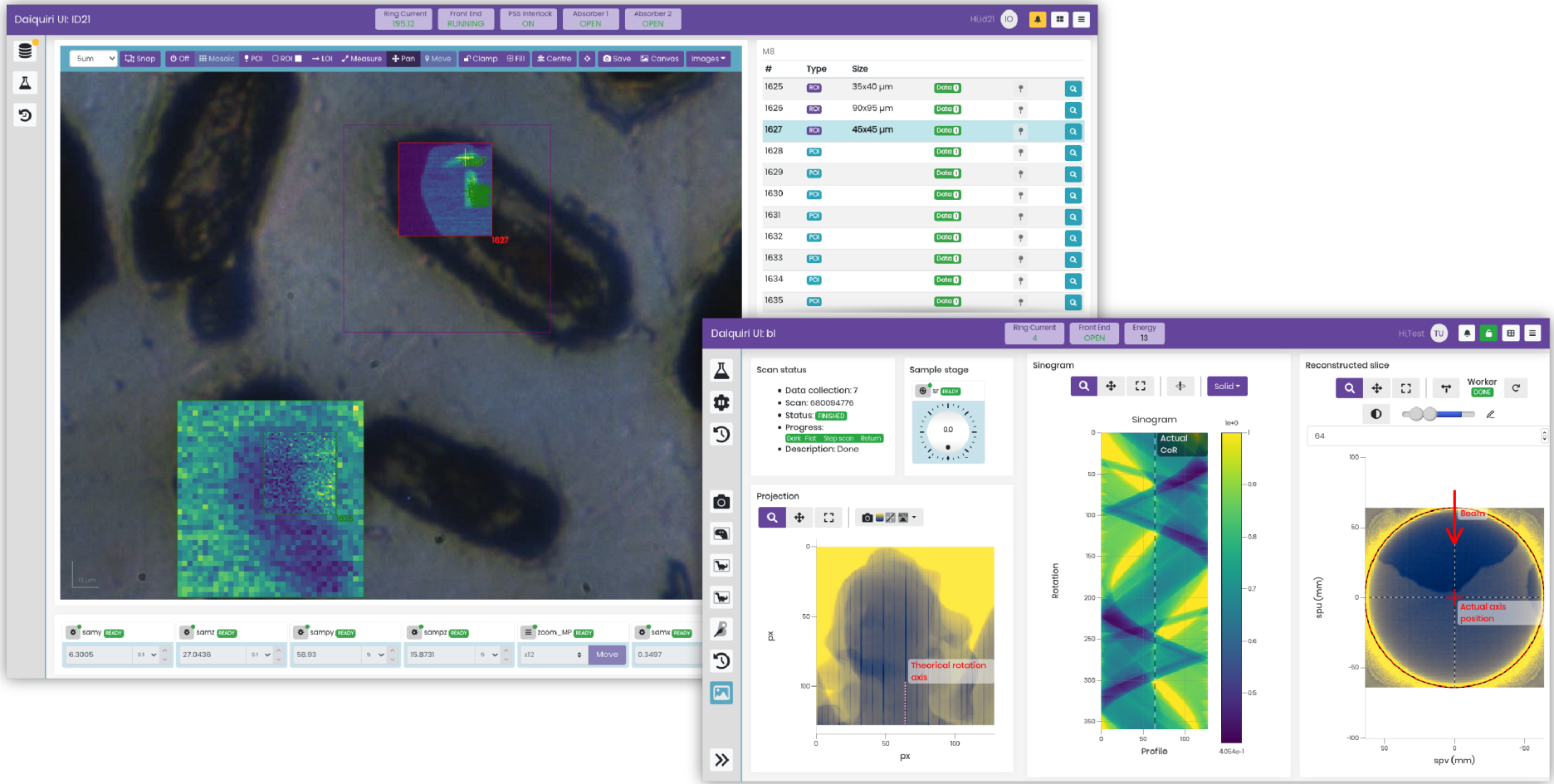
Technical constraints
(e.g. big images display and responsiveness... WebGL, Web Assembly, compression techniques etc)

Adaptation of development teams

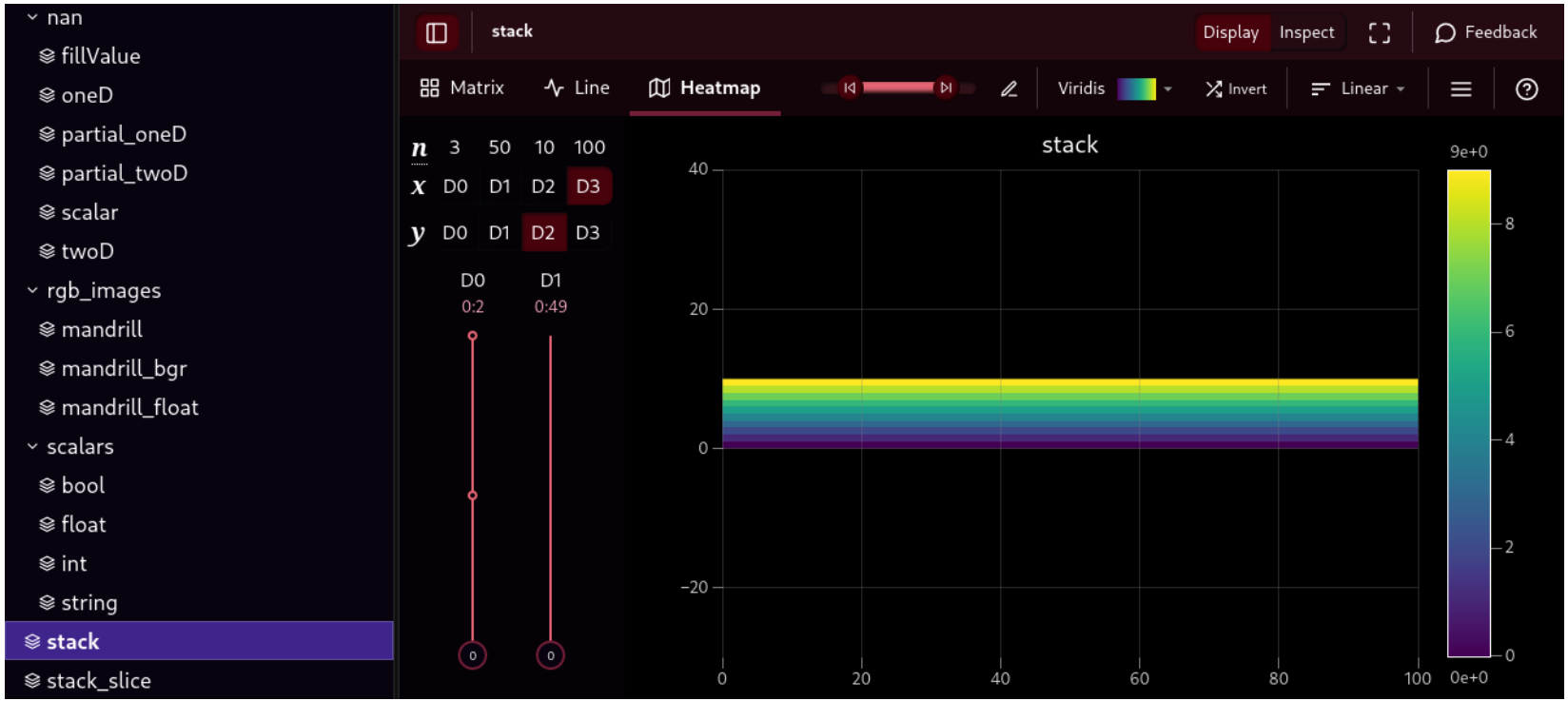
GUI example: MXCuBE, protein crystallography



GUI example: Daiquiri applications



GUI example: h5web



GUI example: data portal

Open Data / EV-280 ID21 31/10/2018-05/11/2018 ev280

Dataset List 90 | Logbook | Shipping | Proposal

For users that want to download large volume of experimental data (**>2GB**), ESRF users can access the Globus service, please read the documentation for proceeding: https://confluence.esrf.fr/display/SCKB/Globus

Search

	Date	Sample	Dataset	Definition	Files	Size	Download
	10:16 5 Nov 2018	fe2streptor2	fe2streptor2_XAScalib	SXM	5	5.1 MB	Restore
	00:16 5 Nov 2018	fe2streptor2	fe2streptor2_main_root	SXM	1343	2.6 GB	Restore

Summary | Instrument | Files 1343 | Metadata List

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Definition	SXM
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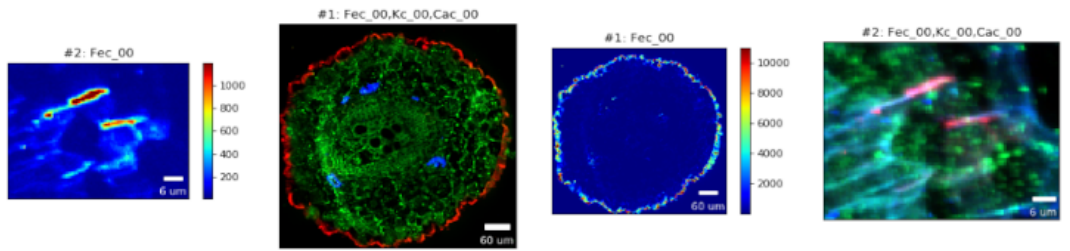
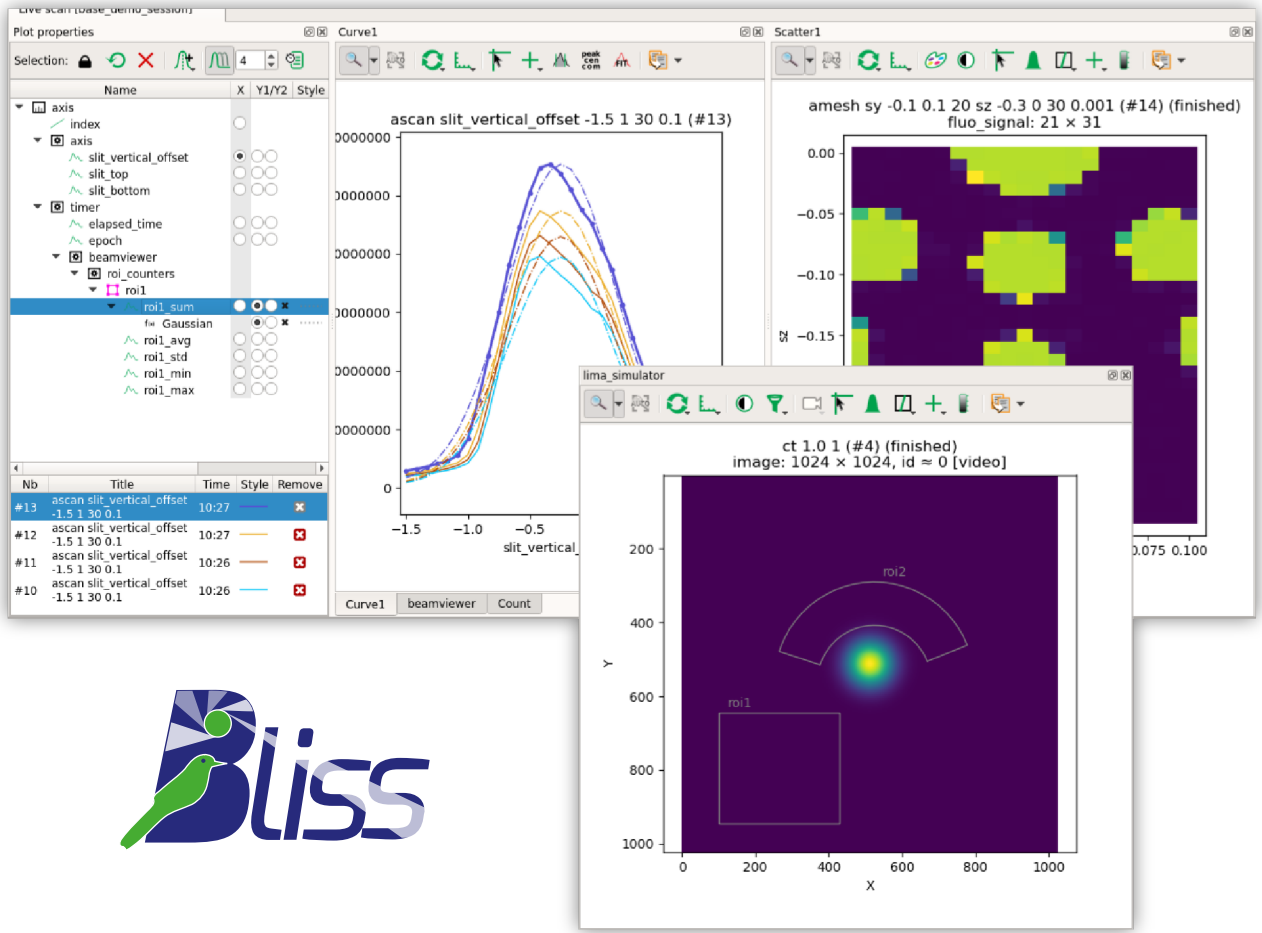
Sample	fe2streptor2
Description	Fe2 strepto replica 2



/data/visitor/ev280/id21/fe2streptor2/fe2streptor2_main_root Restore

GUI example: Flint, live data display during experiments