

SASE Readiness

CAS-SPB, CAS-FXE and SASE1 Report

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Agile Project Manager & Configuration Manager



How we are addressing in CAS (Karabo)
the mandatory software requirements
for the 1st User Experiments?

Besides SASE1 Priorities, CAS-SPB & CAS-FXE Projects!

Agile Methodology

Lean process and planning

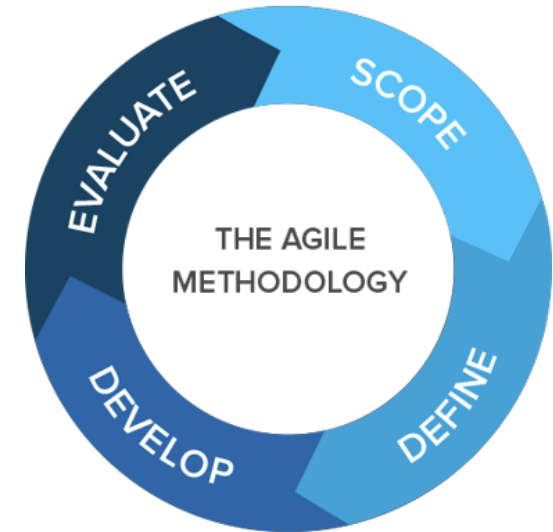
- ▶ Canvas, Kanban and Post-its

Continuous Inspection

- ▶ Daily Meetings (CAS-FXE: 10:30, CAS-SPB: 14:30 - E1.126)
- ▶ Are we doing the right things? Do we have some impediment? What we are going to do tomorrow?

Principles and Values

- ▶ "The sponsors, developers, and users should be able to maintain a constant pace indefinitely."
- ▶ "Simplicity"
- ▶ "As you consider building your own minimum viable product, let this simple rule suffice: remove any feature, process, or effort that does not contribute directly"





Deliverables

Karabo 2.1.14:

- Interlock,
- Experimental conditions
- Beam Delivery
- Sample Environment
- AGIPD (DET)

Karabo 2.1.15:

- ScanTool
- Devices + DAQ
- AGIPD (DET)

Karabo 2.1.16:

- Scantool + DAQ
- Data Analysis
- DA Open API
- Devies + DAQ

Timeline

Karabo 2.1.13

Until **24/07** sw deve with HW, release. D commissioned

Karabo 2.1.14

Until **07/08** sw deve with HW, release. A deployment and cor

Karabo 2.1.15

Until **21/08** sw deve with HW, release. A deployment and cor
- SPB has beam for 24-25/08

Karabo 2.1.16

Until **04/09** sw deve with HW, release. A deployment and cor

Deliverables

Karabo 2.1.13 & 2.1.14:

- Digitizer (AE)
- Components
- Gotthard
- DAQ (ITDM)
- Fix of message order

Karabo 2.1.15:

- Scantool
- Digitizer
- MDL devices
- Devices + DAQ
- Gotthard + DAQ

Karabo 2.1.16:

- Data Analysis
- Scantool + DAQ
- Digitizer + DAQ
- GreatEyes
- Laser TA

Timeline

Karabo 2.1.13

Until **24/07** sw develop., tests with HW, release.

* Only GUI Client in 2.1.13.

Karabo 2.1.14

Until **07/08** sw develop., tests with HW, release. After **07/08**, deployment and commissioning

Karabo 2.1.15

Until **21/08** sw develop., tests with HW, release. After **21/08**, deployment and commissioning

Karabo 2.1.16

Until **04/09** sw develop., tests with HW, release. After 04/09, deployment and commissioning

WHAT WE NEED HELP AND NEXT STEPS...

■ Devices to be integrated with DOOCS:

- We already are able to communicate (Karabo to DOOCS), but we need to confirm the devices and how to map some attributes (*X2Timer and DOOCS Camera running in FXE*)
- Devices to be integrated to DAQ (Not fast detectors, like AGIPD and LPD!)
 - ▶ We will start with LimaBasler, is it right?
- How we should provide the DATA (after the experiments) for the end users
 - ▶ We have a meeting today between MB, FXE, SPB, CAS, ITDM and DET
- 2.1.15 next Monday
 - ▶ Plus: GUI Freezes annoying bug and showstopper...

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