

## EPICS Collaboration Meeting



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# Current and future soft IOC usage at SIRIUS

*Sunday, 8 October 2023 13:00 (15 minutes)*

The SIRIUS synchrotron light source uses soft IOCs that extensively communicate with other IOCs and soft IOCs, in the accelerator itself and at the beamlines, to perform high level computations or orchestrations. Most of these soft IOCs are implemented in Python using the PCASpy library and, in some specific cases, the EPICS Sequencer module was also employed. This presentation not only aims to showcase these IOCs and our experience with them, but also to explore the future: our current solutions only work with the CA protocol, what are the options moving forward? Given the existence of solutions like Bluesky, which aspects of experiment control should happen in a soft IOC and which should happen somewhere else?

### Topic

EPICS 7

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**Session Classification:** EPICS Upgrades

**Track Classification:** Please click on session to see scheduled talks.: Projects using EPICS