# SECoP@HMC

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The Sample Environment Communication Protocol (SECoP) provides a generalized way for controlling measurement equipment –with a special focus on sample environment (SE) equipment [1]. In addition, SECoP holds the possibility to transport SE metadata in a well-defined way.

SECoP is designed to be
- simple to use,
- inclusive concerning different control systems and control philosophies,
- self-explaining providing a machine readable description of the available data and metadata.

Within the project SECoP@HMC, we are developing and implementing metadata standards for typical SE equipment at large scale facilities (photons, neutrons, high magnetic fields). A second focus is the mapping of the SECoP metadata standards to a unified SE vocabulary for a standardized metadata storage. Thus, a complete standardized system for controlling SE equipment and collecting and saving SE metadata will be available and usable in the experimental control systems of the participating facilities. This approach can be applied to other research areas as well.

In this presentation we will report on the current status of the project SECoP@HMC.

## Please assign your contribution to one of the following topics

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## Please specify "other" (stakeholder)

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