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SciCat Integration at MLZ –Infrastructure and Live Demo

Tuesday 25 March 2025 10:00 (15 minutes)

This presentation provides an overview about the current status of SciCat at MLZ and the underlying infrastructure. Data acquisition and metadata capture are decoupled based on the RabbitMQ message broker. Information from various sources, such as the user office system, sample environment and the instrument are aggregated in the Networked Instrument COntrol System and transmitted in messages to our central Kubernetes cluster. Messages can be processed by secondary user services, e.g. the ingestor. The ingestor populates the SciCat catalogue with relevant metadata information from the experiment. A live demonstration using a virtual instrument will conclude the talk.

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