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## **PID4Cat: Persistent Identifiers for Catalysis Research**

*Thursday 20 February 2025 10:05 (20 minutes)*

This talk introduces PID4Cat, a new solution for handle-based persistent identifiers (PIDs) that stores PID-related metadata in the handle record. Its generic metadata model is described as a LinkML model. The first application is in catalysis research. We will discuss the importance of PIDs in ensuring FAIR data principles and how PID4Cat facilitates early-stage data sharing and collaboration within the NFDI4Cat community. Additionally, we will cover the technical implementation of PID4Cat and its integration with services benefiting from automatic code generation from the PID4Cat-model.

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