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Improving research data management for samples: The SEPIA Sample Database for Metadata Storage and Exchange

SEPIA (Sample Essentials, Persistent Identifiers & Attributes System):

The overall goal of the SEPIA project is to enrich the research data collected at the Helmholtz-Zentrum Berlin (HZB) by providing a better description of the sample being measured. The key for this endeavour is to track the full history of the sample and to collect all the information generated on the way. To this end, a database is created to identify the individual sample and allow referencing it unambiguously.

This poster will explore the architecture and functionalities of the SEPIA project, highlighting its role in improving data accessibility and interoperability among researchers and labs. We will discuss the potential impact of SEPIA on collaborative research efforts, data sharing practices, beamlines and the overall improvement of scientific research through better metadata management.

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