

## **TA2 talk update: (Meta)data Repositories and Catalogs**

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Task Area 2 (TA2) aims to create raw- and curated open (Meta)data repositories and catalogs that align with FAIR principles across PaN radiation sources, universities, and other research institutions. The focus is on developing corresponding services to ensure FAIR data sustainability and achieve comprehensive usability of the data for the global scientific community in PaN Research. The repositories will not only contain raw and processed data but also detailed documentation of all processing, analysis steps, and sample descriptions. This approach enhances transparency, improving the quality, trustworthiness, and reusability of datasets used in scientific publications.

In this presentation, we will highlight the key achievements and deliverables of the current project status including an outlook to future developments planned for DAPHNE 2.0 as contributed by the TA2 members.