

DAPHNE4NFDI@ADCR

At this year's [Annual Digital Catalysis & Catalysis-Related Sciences Conference](#), the ADCR, DAPHNE4NFDI had the chance to present itself by two posters.

The conference was organized by [NFDI4Cat](#), and DAPHNE4NFDI members also participated in the lectures and World Café events, spanning from Artificial Intelligence (AI) and natural language processing (NLP), Ontologies and Taxonomies, Electronic laboratory notebooks to Open science – digital economy.

It became clear that digitalization is a strong driver in the field of catalysis, and also Photon- and Neutron-research data play an important role, especially in the *operando* context.

Electronic tools, such as Electronic laboratory notebooks (ELNs) can help to structure research data to make them better findable, accessible, interoperable and reusable. Ontologies are important for exchange among catalysis scientists. Eventually, data must be prepared in such a way that they can be later used for data science, emphasizing the [AI aspect](#).

We exchanged views with participants from Wiley, 3M, [Clariant](#), different universities and other consortia, such as [NFDI4Cat](#), [BERD@NFDI](#), [FAIRMAT](#), [NFDI4CHEM](#) and others.

Many people expressed their contentment that such a project as DAPHNE4NFDI exists, hoping to set sail into a bright digital future in the photon- and neutron research community.

