LIfBi *Lectures*

June 22, 2021, 2:00 – 3:30 p.m., online meeting

Prof. Dr. York Sure-Vetter

National Research Data Infrastructure (NFDI)

The National Research Data Infrastructure (NFDI) has the objective to systematically index, edit, interconnect and make available the valuable stock of data from science and research. So far, these data have mostly been available in a decentralized, project-related, or temporary form. The federation and the states fund the NFDI jointly. Digital data storage is an indispensable prerequisite for treating new research issues, generating findings, and making innovations.

In addition, the NFDI aims at the establishment of a research data management according to the FAIR principles as well as at the participation in international developments, such as the European Open Science Cloud (EOSC).

For this purpose, up to 30 consortia will be selected in a reviewed procedure carried out by the Deutsche Forschungsgemeinschaft (DFG). This review is based on the principles of a science-driven process and currently, nine consortia are funded.

Consortia are established in the respective scientific community or jointly used data types.

One of the essential criteria of each consortium is the close collaboration in the field of science and scientific infrastructures.

Currently funded consortia in the NFDI (March 2021):

- DataPlant: Data in Plant research (Biology)
- GHGA: German Human Genome Archive (Medicine)
- KonsortSWD: Consortium for the Social, Behavioural, Educational, and Economic Sciences (Social Sciences)
- NFDI4BioDiversity: Biodiversity, Ecology & Environmental Data (Biology)
- NFDI4Cat: NFDI for Catalysis-Related Sciences (Chemistry)
- NFDI4Chem: Chemistry Consortium in the NFDI (Chemistry)
- NFDI4Culture: Consortium for research data on material and immaterial cultural heritage (Humanities)
- NFDI4Health: National Research Data Infrastructure for Personal Health Data (Medicine)
- NFDI4Ing: National Research Data Infrastructure for Engineering Sciences (Engineering Sciences)