

NFDI - National Research Data Infrastructure and TIB's activities within

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Abstract

Germany has launched the NFDI, a project to build up a national infrastructure for research data. TIB – Leibniz Information Centre for Science and Technology in its role as German national library for several natural sciences and engineering is contributing to several consortia in the NFDI. In the years 2020 to 2022 up to 30 consortia from all disciplines will be selected to build a linked infrastructure of repositories, tools and services for research data management. We report on the NFDI funding program, the vision and governance model of NFDI and the role of TIB in the consortia of the first funding period. We will further report on cross-disciplinary efforts in the NFDI to build up a national federated infrastructure for FAIR data. We show the work program and objectives of one of the first funded consortia, namely NFDI4Chem – the consortium for chemistry. The vision of NFDI4Chem is the digitization of all key steps in chemical research to support scientists in their efforts to collect, store, process, analyze, publish and re-use research data. To reach these aims the project will link existing data repositories and establish, where missing, domain-specific research repositories for the national research community in Germany and link them to international repositories.