

11th Water Research Horizon Conference 2021

NFDI meets Water

Open Space Workshop, 15 June 2021 – Concept Note

Peter Braesicke*, Peter Pelz**, Imke Lorenz** and Jörg Seegert***

* Karlsruhe Institute of Technology

** Technische Universität Darmstadt

*** Water Science Alliance e.V. c/o Technische Universität Dresden

Issue

The aim of the national research data infrastructure (NFDI) is to enable systematic management of scientific and research data, to provide a route to long-term data storage, backup and accessibility for all, as well as to establish a network both nationally and internationally. The NFDI will bring multiple disciplines and their stakeholders together in a coordinated network of consortia tasked with providing science-driven research data management and related data services to research communities.

Over a period of three years, starting in 2019 with expressions of interests, the NFDI has started its build-up and will be established as a cooperative network of consortia in three consecutive selection rounds (with projects granted in 2020, 2021 and 2022). In each round, new consortia will be added to the NFDI in a research-driven selection process. The aim is to create a comprehensive framework of interconnected consortia providing a national research data infrastructure to the research community.

The consortium NFDI for Engineering Sciences (NFDI4Ing) was recommended for funding in the first selection round (in 2019/20) and officially started in October 2020. The signs for the consortium NFDI for Earth System Sciences (NFDI4Earth) are positive in the current (second) selection round, so that funding can hopefully be expected to start in October 2021.

Goals, questions and expected outcomes of the workshop

After a short introduction of the overall context of the NFDI the following steps will put an emphasis on the two initiatives themselves. Even though NFDI4Earth and NFDI4Ing are set up and structured differently in both the involvement of data users and providers plays a decisive role. First, the workshop will briefly introduce the two initiatives in general terms and secondly explain in more detail how the involvement of the community and its needs will be implemented. Finally, it is shown how scientific users will be addressed and how they can benefit from the initiatives.

Questions that each presenter should try to answer in the opening session are:

- 1) What are the main goals of NFDI4Earth and NFDI4Ing, and how do their structures look like?
- 2) How will the various communities (here specifically the water-research domain) be involved?
- 3) What can be offered by both initiatives in practical terms (including possible funding options)?

Structure and time schedule of the workshop (speaker and/or contributions)

Part A) Introduction of NFDI and initiatives NFDI4Earth & NFDI4Ing

- welcome, presentation of goals & schedule, if so short introduction round etc. (J. Seegert, TUD)
- short presentation of the overall NFDI (P. Braesicke, KIT)
- 1st short presentation of NFDI4Earth (P. Braesicke, KIT)
- 1st short presentation of NFDI4Ing (P. Pelz, TUDa)
- *time for questions, short discussion*

Part B) specific user involvement and initial examples for the running of the initiatives

- 2nd short presentation of NFDI4Earth (P. Braesicke, KIT)
- 2nd short presentation of NFDI4Ing (P. Pelz, TUDa)
- *open discussion*
- reporting back and proposed outputs – closing