



National Research Data Infrastructure (NFDI)



More and more research results are achieved
by using **already existing** research data.

see FAIR principles: <https://doi.org/10.1038/sdata.2016.18>

However, significant efforts are still required to **find** the right data set, **understand** it and **use** it for the purpose at hand.

see FAIR principles: <https://doi.org/10.1038/sdata.2016.18>

NFDI Association in numbers

> 300 association
members

26
consortia &
Base4NFDI



> 1500
people
involved

5
sections

NFDI Association Connecting Communities @CoRDI



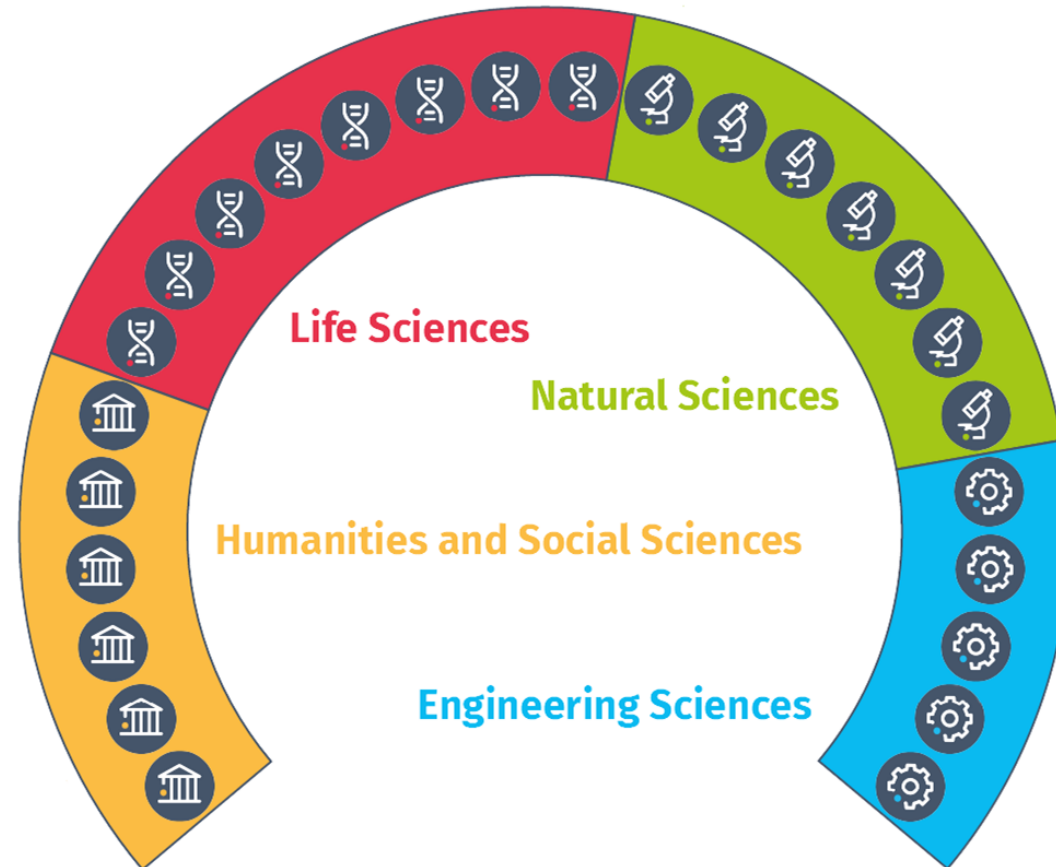
NFDI Association Vision and Mission

NFDI: Data as a common good for excellent research, organised by science in Germany.

Step by step, we are **improving the possibilities for using data for science and society**. Through our cooperation in the NFDI Association, an **umbrella organisation for research data management in all branches** of science is being created. In cooperation with national and international partners, we are creating the framework conditions for **legally compliant, interoperable and sustainable data infrastructures** that are **easily accessible** for researchers in their everyday work. We **educate people**, strengthen their competence in dealing with data and open up new career paths.

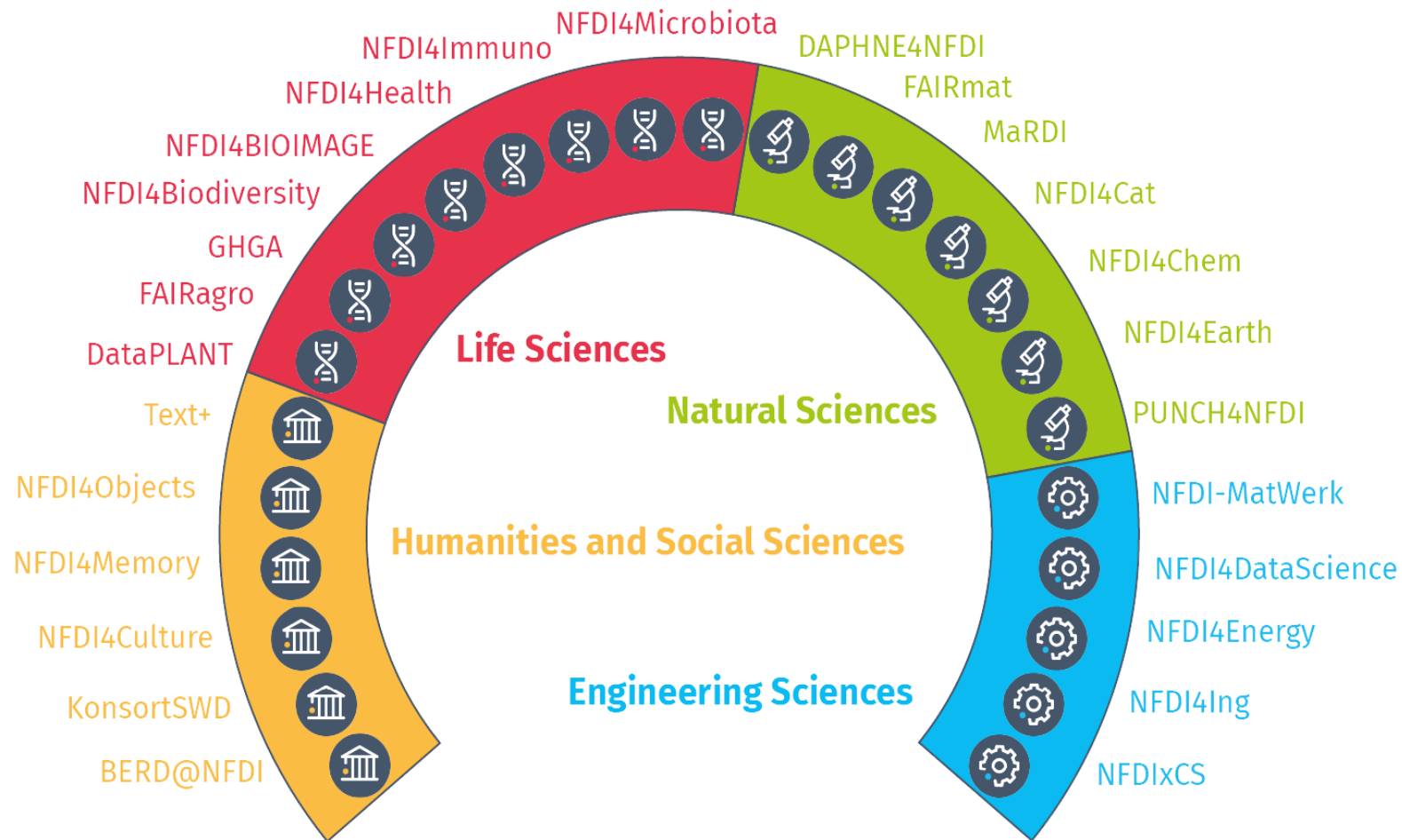


Consortia

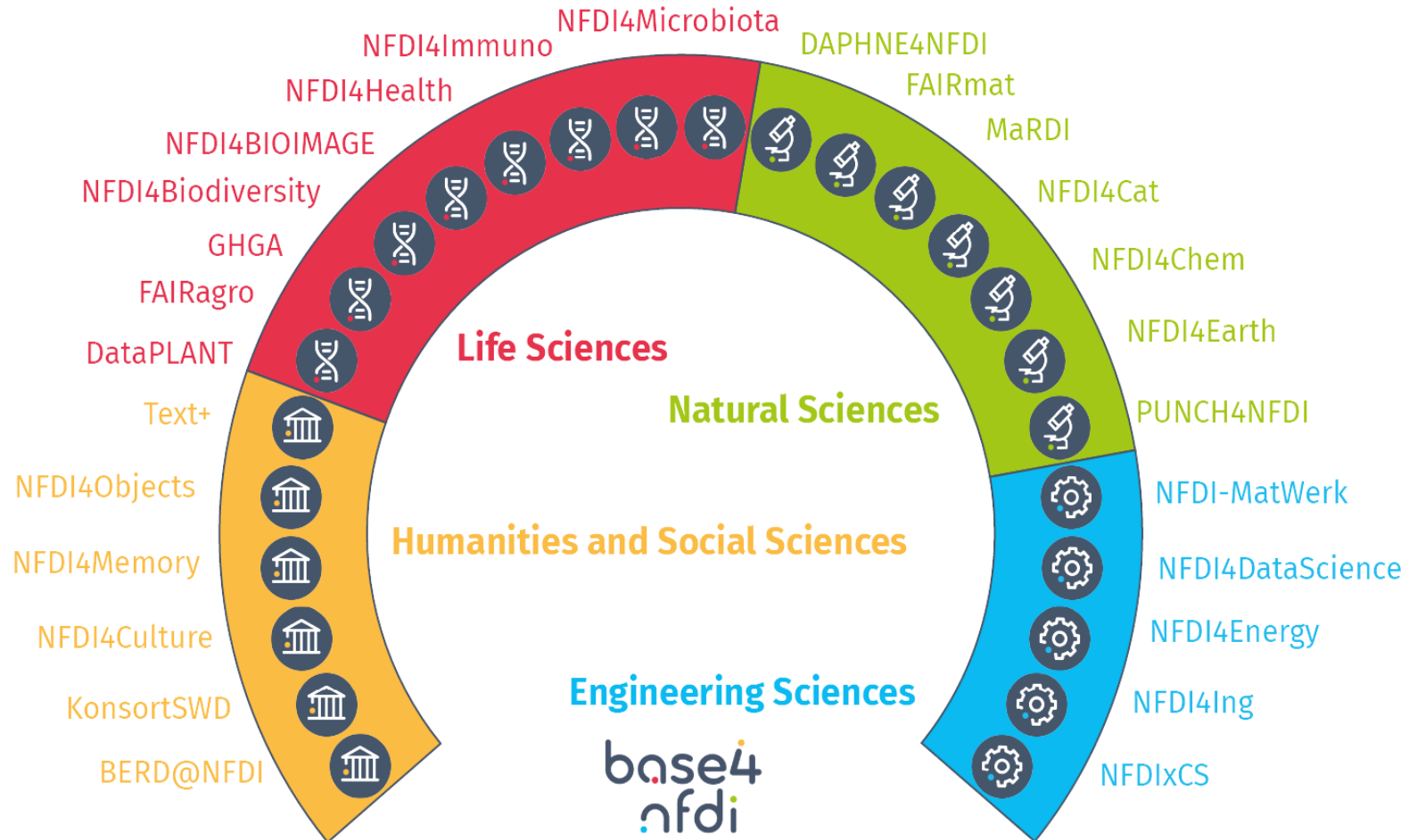


NFDI network covers broad spectrum of scientific disciplines.

Consortia

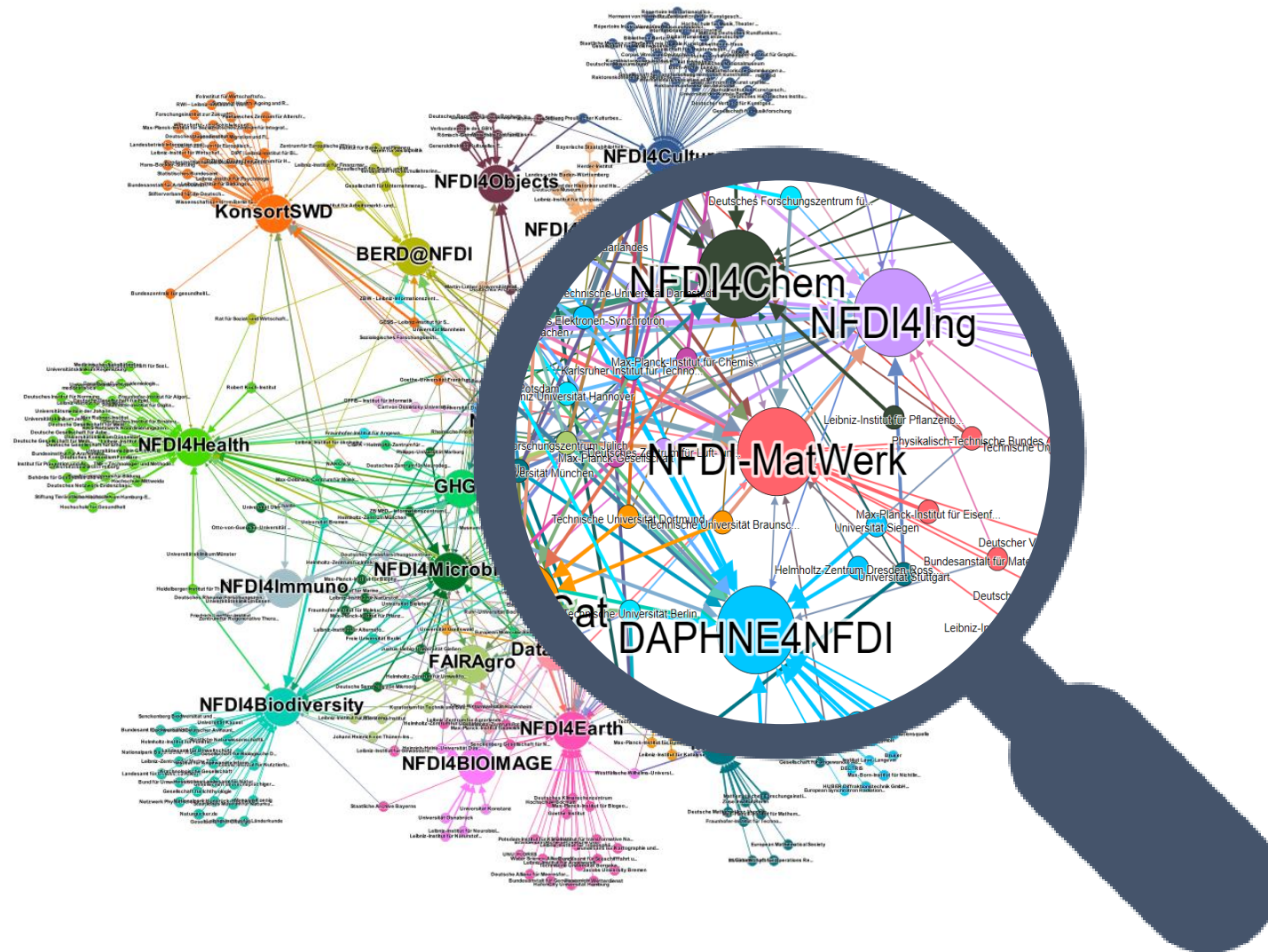


26 NFDI consortia adapt existing solutions and develop joint solutions to improve research data management in their respective scientific field.



Base4NFDI:
Link between
consortia &
responsible for
the
development of
basic services.

A strong network



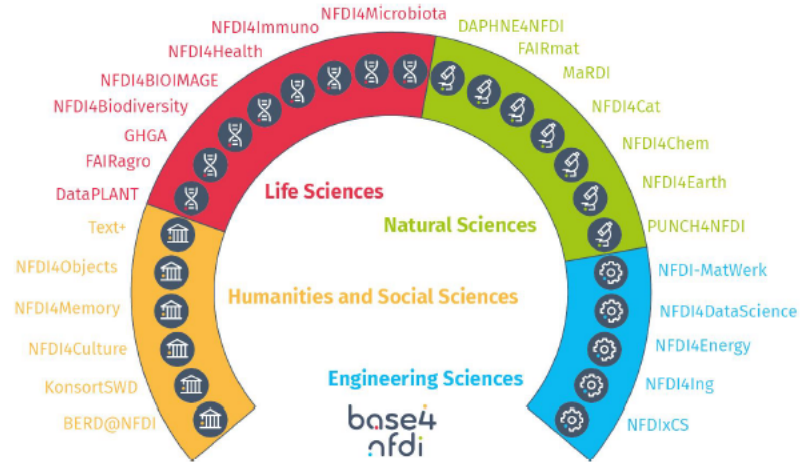
Source: Wikidata
(07.11.2022)

EOSC Node | Germany

Focus 2025: Multidisciplinary Use Cases

- Strategy of NFDI 2025: gain insight via onboarding use cases onto the EOSC EU Node
 - Selected use cases demonstrate the diversity of the NFDI community
 - NFDI use cases involve NFDI consortia from a broad range of research areas
- Multiplication effect

Focus 2025: Multidisciplinary Use Cases II



Galaxy Server TRL 9



Reusing tools and workflow across different scientific communities (Bio, Climate, Earth-Science, Astrophysics) using imaging data and combine analysis tools with various data repositories using European/EOSC computational and storage resources.

InvenioRDM TRL 8



Connecting an InvenioRDM-based repository to the EOSC EU Node's Meta-Knowledge Graph. The BERD Data Portal demonstrates the metadata interoperability, and enables cross-disciplinary data access.

Photon- and Neutron (Meta)Database TRL 9

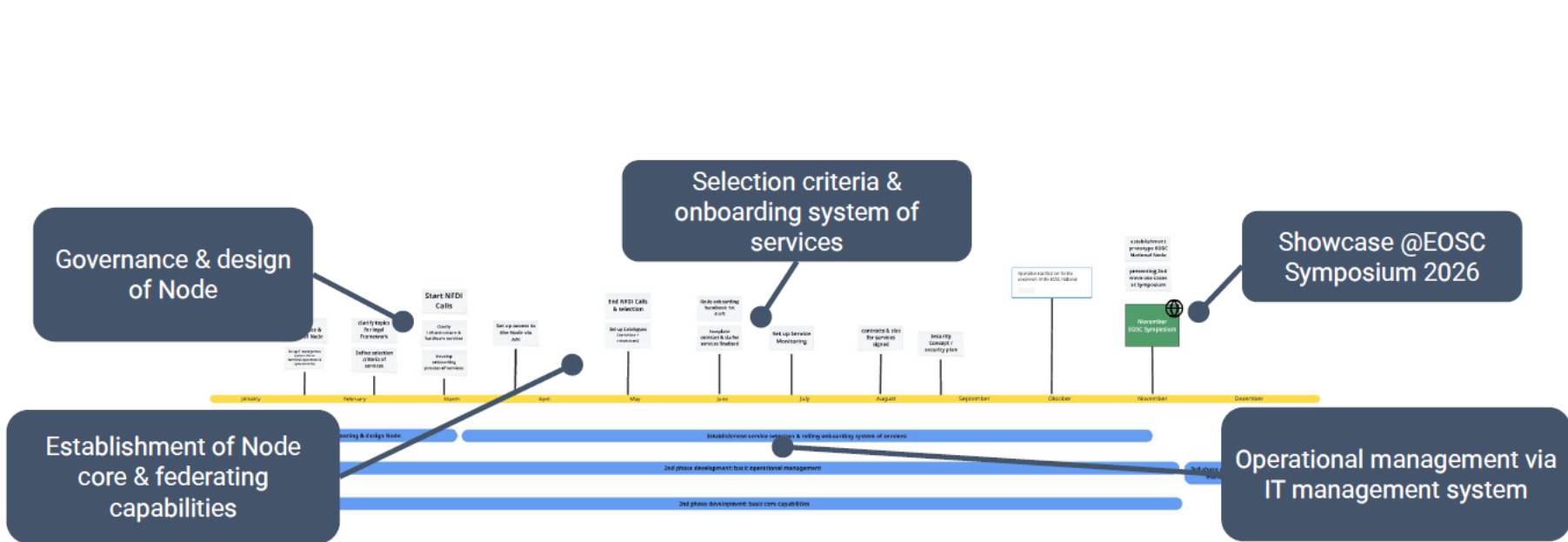


Public metadata catalogue for datasets with DOI minting capabilities and landing page. Datasets can be uploaded via a form that is generated from a community specific metadata schema. All datasets are curated before publication.

Focus 2026: Prototyping EOSC Node Germany

- Defining Role of NFDI/EOSC Node Germany within EOSC
- Clarifying framework of EOSC Node Germany
 - Legal
 - Financial
 - Technical
 - Organisational

Focus 2026: Prototyping EOOSC Node Germany



For a FAIR Data Future.

www.nfdi.de



nfdi.de/newsletter-abo



<https://nfdi.social>



[@nfdi](https://www.youtube.com/@nfdi)



[NFDI](https://www.linkedin.com/company/NFDI)