Your training network to bridge Earth System and Data Sciences
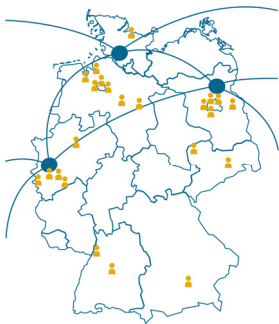
NFDI₄Earth Academy

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NFDI₄Earth

The NFDI4Earth is a consortium within the German Research Data Infrastructure (NFDI). The mission of the NFDI4Earth is to further identify the demands for digital changes in the German Earth System Science community to establish a set of common principles, rules and standards for research data management in Earth System Science as well as experimental prototype platforms, operating on distributed resources, and to provide tools and mechanisms for data integration and analysis in a structured community consultation process.

The Academy at a glance

The NFDI4Earth Academy is a network of early career scientists interested in bridging Earth System and Data Sciences beyond institutional borders. The research networks Geo.X, Geoverbund ABC/J, and DAM offer an open science and learning environment covering specialized training courses and collaborations within the NFDI4Earth consortium with access to all NFDI4Earth innovations and services. Academy fellows advance their research projects by exploring and integrating new methods and connecting with like-minded scientists in an agile, bottom-up, and peer-mentored community. We support young scientists in developing skills and mindset for open and data-driven science across disciplinary boundaries.

2024
Open program
Lecture series & more

A series of academy events are open to the public. We invite you to participate in our upcoming open programme in 2024! Find all the dates on our website.

Think Tank

Network

Data Science

Collaborations & New ideas*
Project progress, discovering collaboration potential and new ideas

Applying Data Science*
4 week online cross community event in cooperation with NFDI4Biodiversity & NFDI4Microbiota developing ideas and implementing solutions for interdisciplinary challenges. Open for interested early career scientists outside of the Academy

Individual Challenge
Fellows apply with a concrete idea of advancing their projects with Data Science (e.g. new methods, new data, etc.) that will be worked on and developed over two years

Kick-Off Event
Getting to know each other, project presentations, developing the Academy spirit and Code of Conduct, planning the schools

PLUS EXTERNAL TRAINING OFFERS

Think Tank

Hack-week

Hacka-thon

1st year including Coffee Lectures & N₄E Plenum

2nd year including career and N₄E events & extended networking

School

Retreat

Cohort Calls

Mixing Cohorts*
Combination of school and hackathons. The 2nd Cohort can learn from the experiences of the 1st Cohort

*Fellows guide the content and develop ideas

Data Science*
Summer school with focus on Machine Learning (temporal & spatial data, physics informed ML)

FAIR Data & Open Science*
Online lectures & workshops series covering FAIR data, open and reproducible research and team culture

1st Academy Cohort

23 doctoral researchers
16 postdoctoral researchers
24 research institutions & universities