Research Data Management Plans in NFDI4Microbiota

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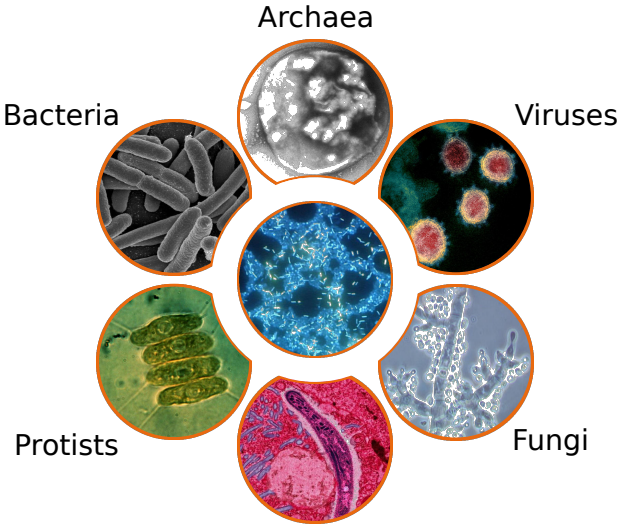
Workshop ”Erstellung von Datenmanagementplänen und Einsatz von DMP Tools in der NFDI”

2021-03-02

Scope of NFDI4Microbiota



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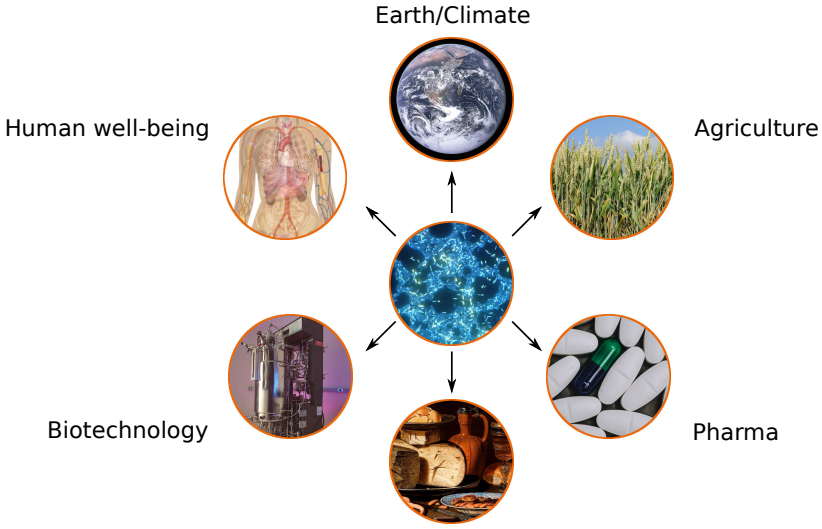
Benefitting fields



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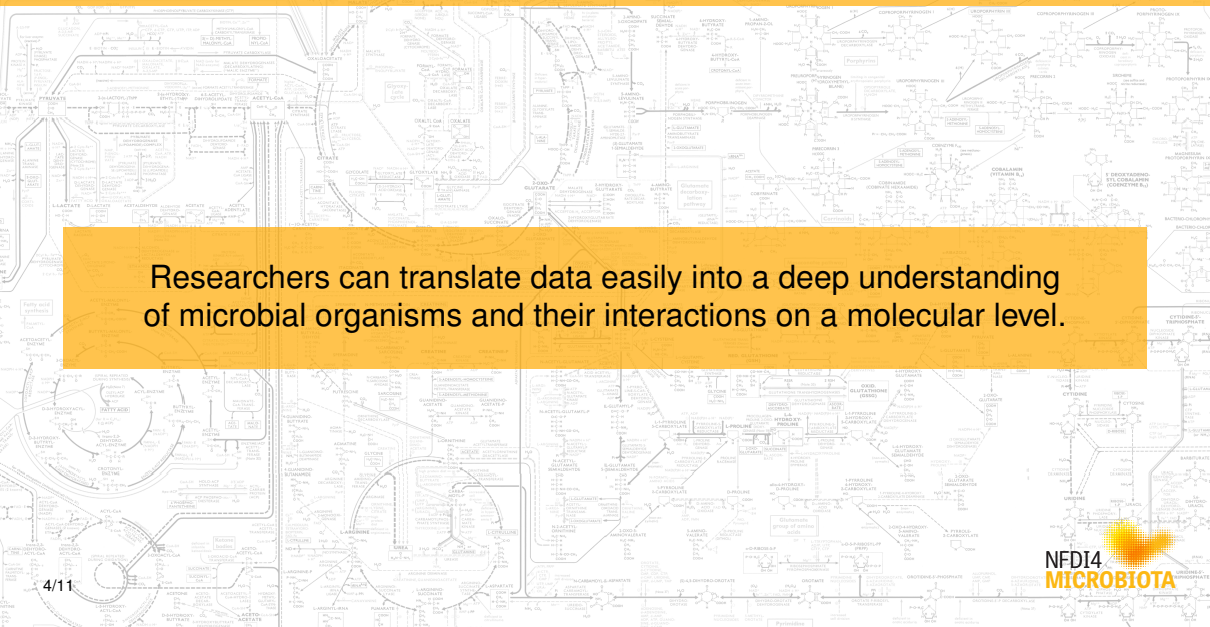
Vision



Researchers can translate data easily into a deep understanding of microbial organisms and their interactions on a molecular level.

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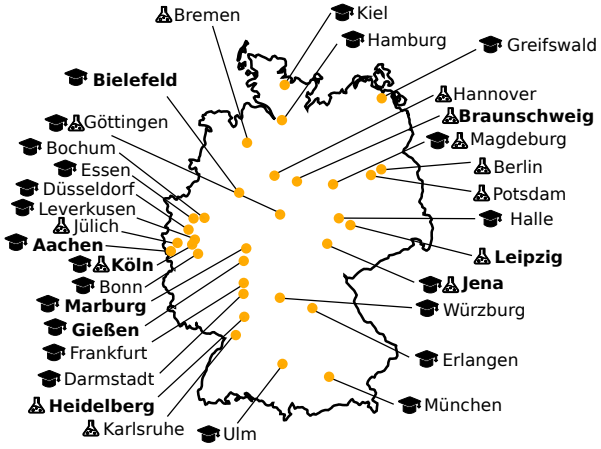
Consortium

>50
Participants

10
(Co-)Applicants

5
Associations
VAAM
GfV
DGHM
DGP
DGfM



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Research Consortia
SPP 2330
SFB 1221
SPP 2141
SFB 1371
TRR 124
SPP 2002
EXC 2051
SFB 1382
Fraunhofer CIMD

Universities
Research Institutes

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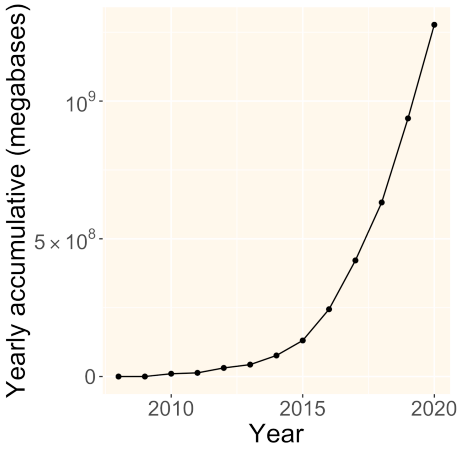
Tasks

- **Research Data Management**
- Resources to make data **FAIR** and **Open**
- **Quality** control
- General and specific **data science skills**
- Domain-specific **software**, **services** and **databases**
- **Expert support** (bioinformaticians, data stewards)
- Computational **infrastructure** and **workflows**

Data types covered by NFDI4Microbiota



- Omics (Genomics, Proteomics, etc.)
- Imaging
- Taxonomic data
- Subdomain-specific data

Metagenomic sequencing data submitted to SRA

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Research Data Management Organiser (RDMO)

Creation and management of Data Management Plans with RDMO to:

- describe **research projects** and associated **data** (type, quality, organisation and usage)
- cover all **intermediate files**, **result files** and **visualizations** generated in the analysis process
- **RDMP** $\Longleftrightarrow$ **policies**

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RDMO4Life

RDMO4Life is a dedicated version of RDMO for all research institutions that work in the field of life sciences offered by ZB MED

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Next Steps

- Generating further specific question catalogs for the subdomains of NFDI4Microbiota
- Integration with all stakeholders in the processes (researchers, data generating facilities, etc.)
- Aligning with RDMP approaches of connected fields / NFDI consortia
- Thinking about actionability and combination with computational workflows

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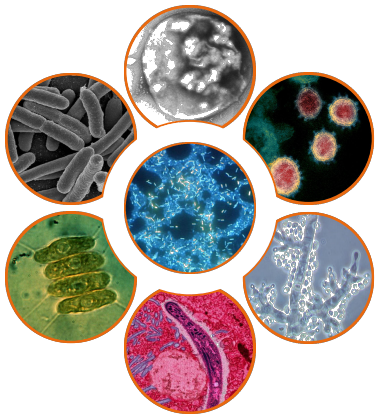

Thank you for your attention.

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