Getting Ready: Leibniz in der Nationalen Forschungsdateninfrastruktur (NFDI)

NFDI4Agri – NFDI for Agricultural Sciences

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NFDI4Agri – NFDI for Agricultural Sciences

Livestock Farming

AGRICULTURAL SCIENCES
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Livestock Farming

Plant Production

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Livestock Farming

Applied Genetics and Physiology

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Ecology of Agricultural Landscapes

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Agricultural Economics and Sociology
Members of NFDI4Agri
Involvement of the user community

Following societies have agreed to participate:

- German Agricultural Research Alliance (DAFA)
- German Botanical Society - Section Applied Botany (DBG)
- German Phytomedicine Society (DPG)
- German Society of general and applied Entomology (DGaaE)
- German Soil Science Society (DBG)
- Gesellschaft für Pflanzenbauwissenschaften e. V. (GPW)
- International Organisation for Biological Control West Palaearctic Regional Section (IOBC-WPRS)
- Society for Plant Breeding e.V. (GPZ)
Examples of national RDI in Agricultural Sciences:

- **GBIS/I**: Genbankinformationssystem des IPK Gatersleben
- **e!DAL**: Plant Genomics & Phenomics Research Data Repository
- **edapho base**: Database on Soil Zoology
- **BONARES**: Repository for Soil and Agricultural Research Data
- **ZB MED-Publikationsportal Lebenswissenschaften**: Publication Server of the Federal Research Institutes of BMEL
- **OPEN AGRAR**:
Current Situation in Agricultural Sciences

Data Policies:
- BonaRes data guideline
- Guideline research data (JKI)
- Data Policy Edaphobase
- ...

Ontologies:
- AGROVOC (FAO)
- Crop Ontology (FAO/IPGRI)
- Biological Collections Ontology (BCO)
- Global Agricultural Semantic Concept Scheme (GACS)
- ...

Metadata Schemas:
- MIAPPE: Minimum Information About a Plant Phenotyping experiment
- Mapping of INSPIRE + DataCite + Description of Data Model (BonaRes)
- MCPD: Multi-Crop Passport Descriptors (FAO/IPGRI)
- ...

www.nfdi4agri.de
Future development

- merge existing information systems to a uniform RDI
- based on FAIR principles
- close involvement of the users via the societies in agricultural sciences
- domain specific quality assurance measures, data quality review
- tutorials RDM teaching
- legal certainty in dealing with sensitive agricultural information
- improve and connect ontologies to enhance findability of research data
Connection to the NFDI community

- NFDI4Life Umbrella
  - NFDI4Health
  - NFDI4Microbiome
  - NFDI4BioDiversity
  - NFDI4NutEpi
  - …

- NFDI4Earth
  - …
Thanks for your attention!
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