





Section Meta(data), Terminologies, Provenance

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Participants















































Your interests



(Meta-)Daten: Metadatenschemata, Schnittstellen, Harvesting, föderierte Suche über Metatdaten; "Terminologien": Verknüpfung zu Normdaten, lexikalischen Ressourcen wie Ontologien, Terminologien, Wortnetzten; Provenienz: nachhaltige Dokumentationsverfahren für Verarbeitungsketten für Forschungsdaten und der daran beteiligten Personen und Prozesse Provenance/Research
Process Tracking,
Interoperability of Metadata
Concepts and Schemes
between Consortia

All three areas, Metadata and Research data, Terminologies, and Provenance are of my interest.

Terminologie; Darstellung numerischer Werte; Metadatengeneratoren und -übersetzer

Metadaten

standardisierte Metadaten, Ontologien, Wissensgraphen, FAIR Prinzipien

Metadata schemas, DOI, FAIR assessment, etc

NFDI-Kernmetadatenformat, Ontologien

Auffindbarkeit

Normadaten; Wiki Data; Philosophie/Geschichte der Ki (Wissensdomäne)



Scope of the section

https://zenodo.org/record/5619089#.YaTFf1WZO38

Metadata & Data

• (Meta)data harmonization, discoverability of data, general data and metadata standards with regard to a prospective NFDI core metadata format as well as format conversions and persistent identifier systems.



Terminologies

- Cross-community and cross-disciplinary definitions of top-level ontologies and mappings of ontologies
- Best practices for modeling terminologies, vocabularies, and ontologies
- Development of services e.g., Terminology Service, Knowledge Graphs, etc.

Provenance

- Legal, technical, and cultural aspects of the context in which (meta)data are created (e.g., in the context of experiments, lab books, digitization processes, etc.)
- Development of recommendations for common and comprehensible documentation procedures to answer the questions of what, where, when, who, how, and why of data generation and data processing
- Development of recommendations for representing provenance in a possible NFDI core metadata format.





Structural goals

- Continuous **integration** of all consortia and communities and their needs. The section is able to speak consensually on the topics of metadata, terminologies and provenance
- Linking and harmonizing developments of the consortia working with similar data, tools and standards
- Creation of working groups to address specific, well-defined tasks in the scope of (meta)data, terminologies, provenance

→ Openness





Subject-specific goals

- Collaborative definition of top-level **ontologies** / mapping of ontologies
- Concepts and recommendations for the **harmonization** of (meta)data and terminology **services** for the NFDI and beyond
- Definition of cross-disciplinary **minimum information** standards / metadata for the scientific disciplines represented by NFDI
- Linking criteria for the domain-specific integration and validation of basic services in the area of (meta)data, terminologies and provenance
- Exploitation of synergies in the development of domain-independent metadata standards and use of infrastructure
- Overview and evaluation of existing approaches and (emerging) best practices, harmonization of interfaces
- Development of concepts for the **annotation** of metadata elements with terms from terminologies 6



Proposal for the Establishment of Working Groups



WGs are founded by the approval of the Section governance.

Section leadership conducts a formal **review** of the Charter with the following criteria to be met:

- Completeness of the Charter
- Motivation must derive from at least one of the Section's topic areas
- At least 6 participants from different institutions
 AND at least 6 different NFDI consortia
- Openness of the results

WGs are **open and transparent** to all NFDI members.
WGs report **progress** to the Section at least every 6 months.



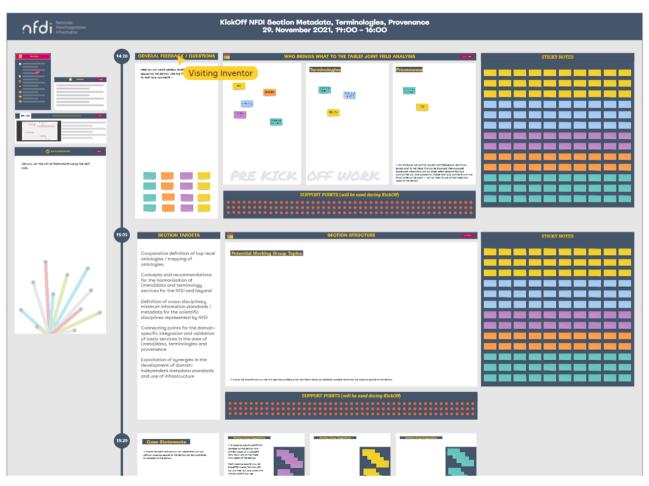
Charter:

- 1. Motivation
- 2. Objectives with concrete description of expected results
- 3. Work plan with milestones (max. 24 months)
- 4. Initial membership list
 - At least 6 members from different institutions and at least 6 different NFDI consortia
 - Members commit to provide a certain number of person months
 - Members nominate at least 2 WG chairs (co-spokes)
- 5. Adoption plan with the description how the NFDI consortia want to use the expected results concretely.

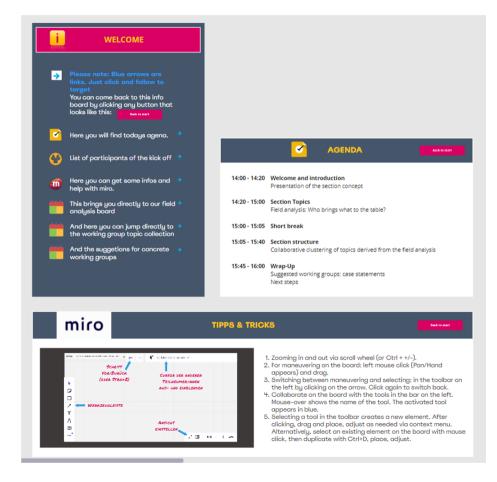


MiroboardKick-Off Meeting





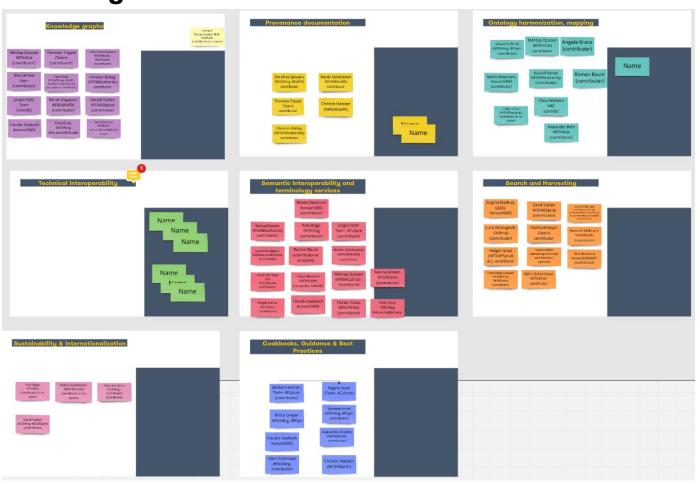
https://t1p.de/section-metadata-miro-overview





Working Groups





WG Proposals:

- Knowledge graphs
- Provenance documentation
- Ontology harmonization, mapping
- Technical interoperability
- Semantic interoperability and terminology services
- Search and harvesting
- Sustainability and internationalization
- Cookbooks, guidance and best practices
- Open for more!



Working Grpups



In the next step these preliminary groups need to collaborate and work on a case statement for their working group. Each working group should create a case statement in the **GDrive folder** using the **template provided**. Check the **Proposal for the Establishment** of Working Groups slide.

GDrive Folder

https://drive.google.com/drive/folders/1QfR5gYuPfiyGPqEYLiap21w9zAcQs3lW

Template

https://docs.google.com/document/d/1zhQLtNHSeWb1un4aS9jQQVDzHu-txOwv/edit





Communcation channels



Mailing list

section-metadata@lists.nfdi.de

office-section-metadata@lists.nfdi.de

RocketChat https://all-chat.nfdi.de/channel/section-metadata-terminologies-provenance

#Section-Metadata

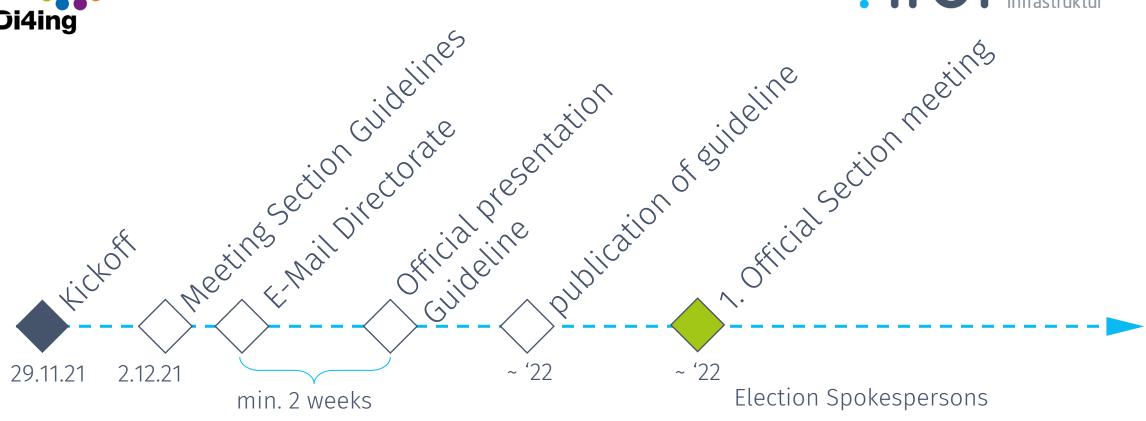
Request access to RocketChat

- Consortia: Managing office
- No consortia, but NFDI e.V. membership NFDI e.V., NFDI-Directorate



Next steps of NFDI e.V.









Nationale Forschungsdateninfrastruktur (NFDI) e.V.

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Ansprechpartner

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