



Jan Rohden

Data quality and FAIRness as an ongoing and collaborative endeavor: a funder's perspective

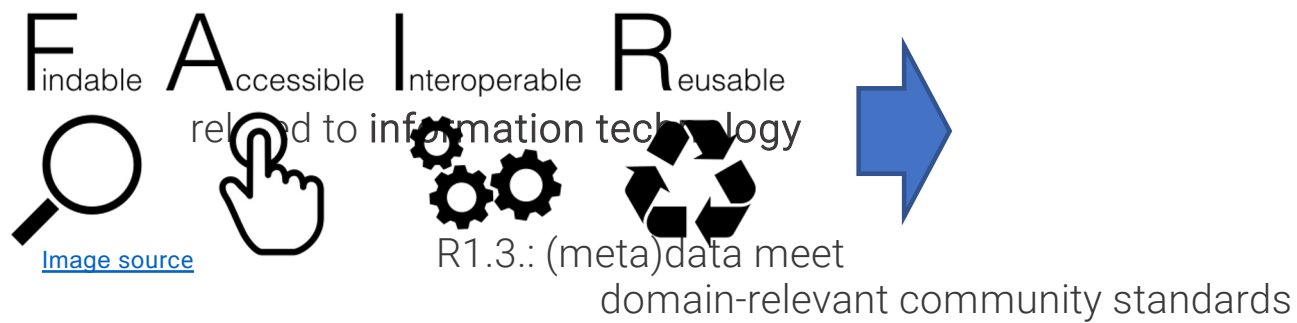
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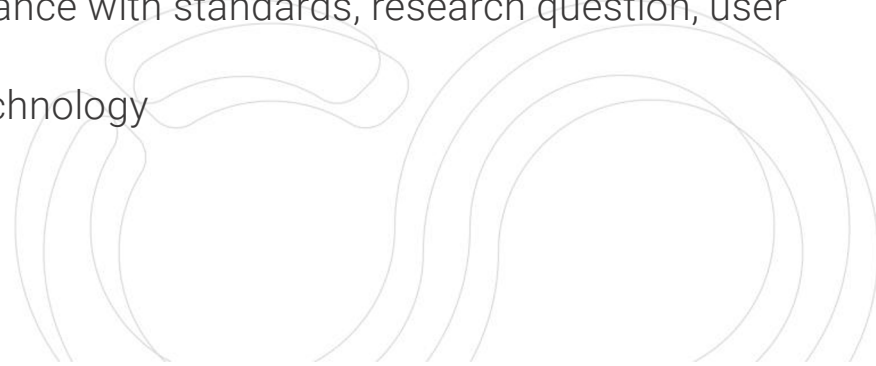


eosc Data quality <> FAIRness



primarily
exception: principle

- **Data Quality**
 - [Many definitions](#)
 - Depends on different factors (e.g. compliance with standards, research question, user community, methods used, etc.)
 - ☒ Related to more areas than information technology
- ☒ **Data quality:**
 - Is highly relative
 - Can go well beyond FAIRness



eosc Data quality & FAIRness at the DFG



[Image source](#)

- Both Data Quality and FAIRness are important
- Question: How to motivate people to ensure the FAIRness and quality of their research data?
- Multi-level approach:
 - [Information, advocacy, support](#)
 - [Guidelines \(for Safeguarding Good Research Practice\)](#) (Guideline 7 & 13)
 - Funding programs: [National Research Data Infrastructure](#) (NFDI)
 - [Funding criteria](#)
 - Templates for [proposals](#) and [progress reports](#)
 - Reporting: [Supplementary data sheet for consortia of the NFDI](#)



eosc NFDI: Data Sheet – background

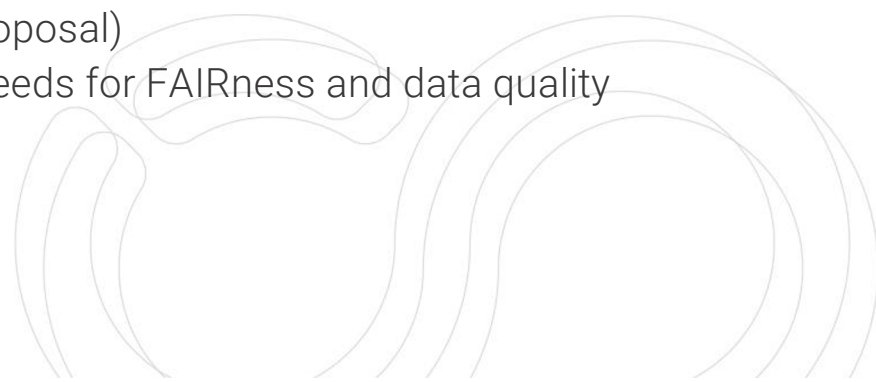
- NFDI Expert Committee & German Council for Scientific Information Infrastructures (RFII): [evaluation criteria are important](#) for the further development of the NFDI
- Purpose: answer two questions of the NFDI-Expert committee
 - Level of maturity of a consortium and its communities?
 - Work, publication and service profile of a consortium?
- ☒ Data sheet: **supplement** to proposals and progress reports for NFDI consortia
- Challenges in the preparation of the first draft
 - High degree of diversity among the consortia
 - Some elements are difficult to evaluate and measure:
 - Cooperation, community engagement, demand-orientation
 - Data quality & FAIRness

eosc NFDI: Data Sheet – a collaborative effort

- **Collaborative Approach: Dialogue with various stakeholders**
 - European Open Science Cloud
 - Science Europe
 - NFDI Task Force Evaluation and Reporting
- **Feedback had significant impact on the data sheet**
 - Revised: more than 90 %,
 - Reduced: over 40%
 - Option to submit an explanatory annex (max. 3 pages)
 - Way to **enter information on FAIRness and data quality** was adapted:
 - data fields (data sheet) \boxtimes free text (proposal)
 - aim: opportunity to specify specific needs for FAIRness and data quality



[Image source](#)



eosc NFDI: Data Sheet – lessons learned

- FAIRness and data quality:
 - data quality <> FAIRness
 - complex & relative
 - difficult to evaluate & measure
 - cannot be enforced, but must be brought to life together with all relevant stakeholders
 - research and data management keep evolving – FAIRness and data quality must as well
- ongoing and collaborative endeavor: Join us!
- Question: How to achieve FAIRness & high data quality?



[Image source](#)