Data Management 2.0
Real World Adaptation and User Feedback

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Main Goal: Ensure replicability and reflexivity of SFB 882 research

Other Goals: Harmonize documentation strategies, Ensure documentation of data life cycle

Data Basis: Knowledge gathered through: User feedback ("Data Management Talks"), Observations, Surveys
Main Problems

Methodological Problems

Granularity Problems

Acceptance Problems
Methodological Problem

- Data documentation strategies for the qualitative social sciences are underdeveloped and there is still a lack of practical implementations for qualitative documentation strategies.

- Basic problems: Non-standardized methods, non-linear research lifecycle, Different concepts and types of "data" (interview-, audio-, videodata, field notes, etc.)

- Controlled vocabularies not available for all necessary information.
Solutions: Methodological

- Develop further controlled vocabularies based on project documentations
- Implement strategies to deal with different type of data
- Gather information on previous documentation strategies and help to develop DDI to capture all necessary information of qualitative research
Problem of Granularity

- How detailed must documentation be to be sufficient for someone to replicate/understand the conducted research?

- What information does a secondary data user require?

- How much information can a primary researcher document?
Solutions: Granularity

- Develop own selection of relevant DDI elements to document based on researchers documentation practices
- Combine archives requirements with researchers workflows by adapting to current documentation routines
- Implement feedback-loops from observations and focus groups with researchers
Problem of Acceptance

- Many researchers don’t understand the advantages of a standardized documentation
- Due to existing workflows the implementation of new ways of documentation is complicated
- There is a lack of intrinsic motivation to optimize data documentation practices
Solutions: Acceptance

- **Two way strategy:** Decrease effort & Increase benefit

- Decrease effort: Virtual research environment (semi-automatic and process-driven, combine tools in one place), Continuous documentation

- Increase benefit: Data citation, Show benefits, Increased visibility of work
Data Documentation Module

General Information on the study

Before fieldphase

Fieldphase (quantitative)          Fieldphase (qualitative)
[Instanced]                     [Instanced]

After fieldphase

Data preparation (quantitative)        Data (qualitative)

Syntax-Data (quantitative)  Analysis (qualitative)
Outlook

- Problems are equal and have to be tackled simultaneously
- Virtual research environment must be adjusted based on usage
- Controlled vocabularies will be optimized and enhanced
Thank you for your attention!

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For technical details:
*Collaborative Data Documentation*
By Johanna Vompras and Christoph Broschinski, University Library Bielefeld
Session-D3, Thu May 30, 10:30-12:30, Location: Quirinus