Collaborative Data Documentation
based on OwnCloud

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1. Introduction

2. A Collaborative Environment

3. Demo
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2. A Collaborative Environment

3. Demo
Research on social Inequalities:

How do heterogeneities lead to social inequalities?
And what are the social mechanisms that underlie this process?

- 19 projects, in the fields:

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<tbody>
<tr>
<td>A</td>
<td>in individual life course (A1 - A6)</td>
</tr>
<tr>
<td>B</td>
<td>in context of organizations (B1 - B5)</td>
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<tr>
<td>C</td>
<td>beyond the nation-state (C1 - C5)</td>
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<tr>
<td>Z</td>
<td>central services (Z, MGK, INF)</td>
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1. Work
   - Bundling of IT resources for projects and for the SFB as a whole
   - Supporting of (transdisciplinary) research practice
   - Adapting methods and way of working into VRE

2. Research Platform
   - Aspects of Research Data Management
   - Documentation and Archiving
   - Research data re-use → replicability, secondary analysis
1. Introduction

2. A Collaborative Environment

3. Demo
VRE // virtual research environment for social sciences

Introduction

A Collaborative Environment Demo
VRE for SFB882 // aims and visions
Introduction
A Collaborative Environment
Demo
VRE for SFB882 // aims and visions

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A Collaborative Environment

Central collection point of projects’ output
VRE for SFB882 // aims and visions

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Central collection point of projects’ output

Shorten communication lines between scientists
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A Collaborative Environment

Central collection point of projects’ output

Shorten communication lines between scientists

Upgrade the research work

Data Management

Documentation

Data Publishing

VRE
VRE for SFB882 // aims and visions

Introduction

A Collaborative Environment

- Central collection point of projects’ output
- Shorten communication lines between scientists
- Upgrade the research work
- Data Re-Use and Secondary Analysis
- Documentation
- Data Management
- Data Publishing

VRE
facilitate data re-use between projects,
platform which includes all research artefacts

Our Goals

- Benefits for standardized and interoperable documentation are almost not there
- Increase acceptance of data documentation
  - Tools: Easy-to use and easy to learn
  - Bundling already established tools into one system
  - Abstraction from technical details (metadata standards)
  - Almost no additional effort during the research work
- Semi-automatic documentation and metadata generation during the research work - not after!
- Integration and Interoperability between institutional services
When documenting their work, our researchers (= Non-DDI experts) will have to interact with some kind of DDI editor component
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Editors usually involve a great amount of form filling.
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This combination is a *nightmare* in several aspects!
Possible problems (not exhaustive):
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- Consistency (free text input, how to ensure syntactic/semantic correctness?)
- Security (Code injections possible, input sanitization required)
- Usability (Textfields are bad from UI/HMI perspective, high cognitive effort)
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So what can we do to wake up from this nightmare?
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So what can we do to wake up from this nightmare?

- Our editor is embedded in a Virtual Research Environment - make use of it!
- Tap into several different sources of information to either avoid form filling altogether or at least offer some useful preselected options
Data Documentation within OwnCloud // the idea

Introduction

A Collaborative Environment

StudyUnit

Data Collection

Methods

Data Analysis

Persons, Projects, Controlled Vocabularies, Reports, Questionnaires, (Versions of) Files, Calendar, Syntax Files, Products of Data Analysis, Etc.
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Demo!
Summary and Conclusions

Introduction

A Collaborative Environment

VRE for SFB882 is work in progress

Goals: support the processes of conducting research, but also ensure high-quality data documentation and long-term archiving of the project output

Current core components:

- Collaboration: WIKI, Calendar
- Data Storage: File Upload, File Linkage
- Integration of VRE to institutional services
- Development of specific documentation workflows and advisory support

Future Work: Export of a DDI-based data documentation
Thank you for your attention!

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