

Data Services, Data Archiving, and Research Data Management

Certification	14.09.2023	Certification for data archives and research data centers <i>Jonas Recker, Kerstin Beck</i>
Data Services	28.09.2023	Data Services: An Overview <i>Oliver Watteler</i>
Community Data Collection	12.10.2023	Community Data Collection <i>Alexander Jedinger</i>
Metadata & PIDs	26.10.2023	Metadata and PIDs <i>Wolfgang Zenk-Möltgen, Jan Schwalbach & Kokila Jamwal</i>
DP-R EX	09.11.2023	An Introduction to Domain-Specific Data Infrastructures: DP-R EX <i>Alexander Jedinger, Marlene Hilgenstock & Pascal Kolkwitz-Anstötz</i>
RDM & RDM Training	23.11.2023	Research Data Management & RDM-Training <i>Anja Perry & Sebastian Netscher</i>
Risk & Sensitive Data	07.12.2023	Secure Data Center: Secure Access to Sensitive Data <i>Deborah Wiltshire & Jara Kampmann</i>



An introduction to domain-specific data infrastructures: DP-R|EX

Meet the Experts – GESIS online talks

Data Services, Data Archiving, and Research Data Management

Dr. Alexander Jedinger, Pascal Kolkwitz-Anstötz M.A., Marlene Hilgenstock M.A., November 9, 2023

Speakers



Dr. Alexander Jedinger

- Alexander Jedinger is a Senior Researcher at GESIS Leibniz Institute for the Social Sciences and deputy team leader of the team “Archiving.” As a political scientist with an interdisciplinary orientation, his research focuses in particular on political attitudes, ideologies, and intergroup relations.
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Pascal Kolkwitz-Anstötz M.A.

- Pascal Kolkwitz-Anstötz is a Research Associate at GESIS Leibniz Institute for the Social Sciences. He holds a Master’s degree in political science from the university of Marburg. His research interests are in the fields of political sociology and psychology with a focus on intergroup relations in post-migrant societies.
- Contact: pascal.kolkwitz-anstoetz@gesis.org



Marlene Hilgenstock M.A.

- Marlene Hilgenstock is a Research Associate at GESIS Leibniz Institute for the Social Sciences. She holds a Master’s degree in Sociology from the London School of Economics and Political Science (LSE). Her research interests lie in the construction of social identities, exclusion, attitudes towards minorities and national integration policies.
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Outline

Introduction

- Domain-specific data infrastructures (**DSDI**) – what for?

The project – DP-R|EX

- Project background & genesis
- Core mission & main efforts
- Upcoming topic-related research data

Offers & services

- Data sharing & management
- Data search & metadata development
- Data search – use case

Q & A session

DSDI – what for?

Well-known and new challenges for...

Researchers

- Access to and re-use of research data in a specific domain
- Special requirements for domain-specific research data management & data sharing
- Hidden (small scale) studies

Research data centers

- Inter- and multidisciplinary projects & lack of domain-specific expertise
- Mixed methodological approaches & new data types
- Variation of resources, topical scope, standards and workflows

Both

- Legal insecurities in terms of copyright, privacy and data security issues

DSDI – what for?

Possible solution

- Establishing **federated infrastructures** for research data **offering support and services** to generate and manage data based on **common standards** for a **specific field** of research
- Making infrastructures **for open data and research more visible** and fostering a **culture of data sharing** in specific research domains

Project genesis

Background

- [Cabinet committee's list of measures](#) for combating racism and right-wing extremism: focus on enhancing dedicated research data infrastructures in the domains

Development

- Initial application and announcement of the project as a consortium project under the BMBF funding guidelines in April 2021
- Pre-approval in July 2021 with a (positive) evaluation followed by a six-month exploratory phase starting in September 2021
- Official project start in March 2022 (GESIS) and September 2022 (project partners)
- Overall project duration: September 1, 2021, to August 31, 2026
Total budget: approximately 1.5 million €

Project partners

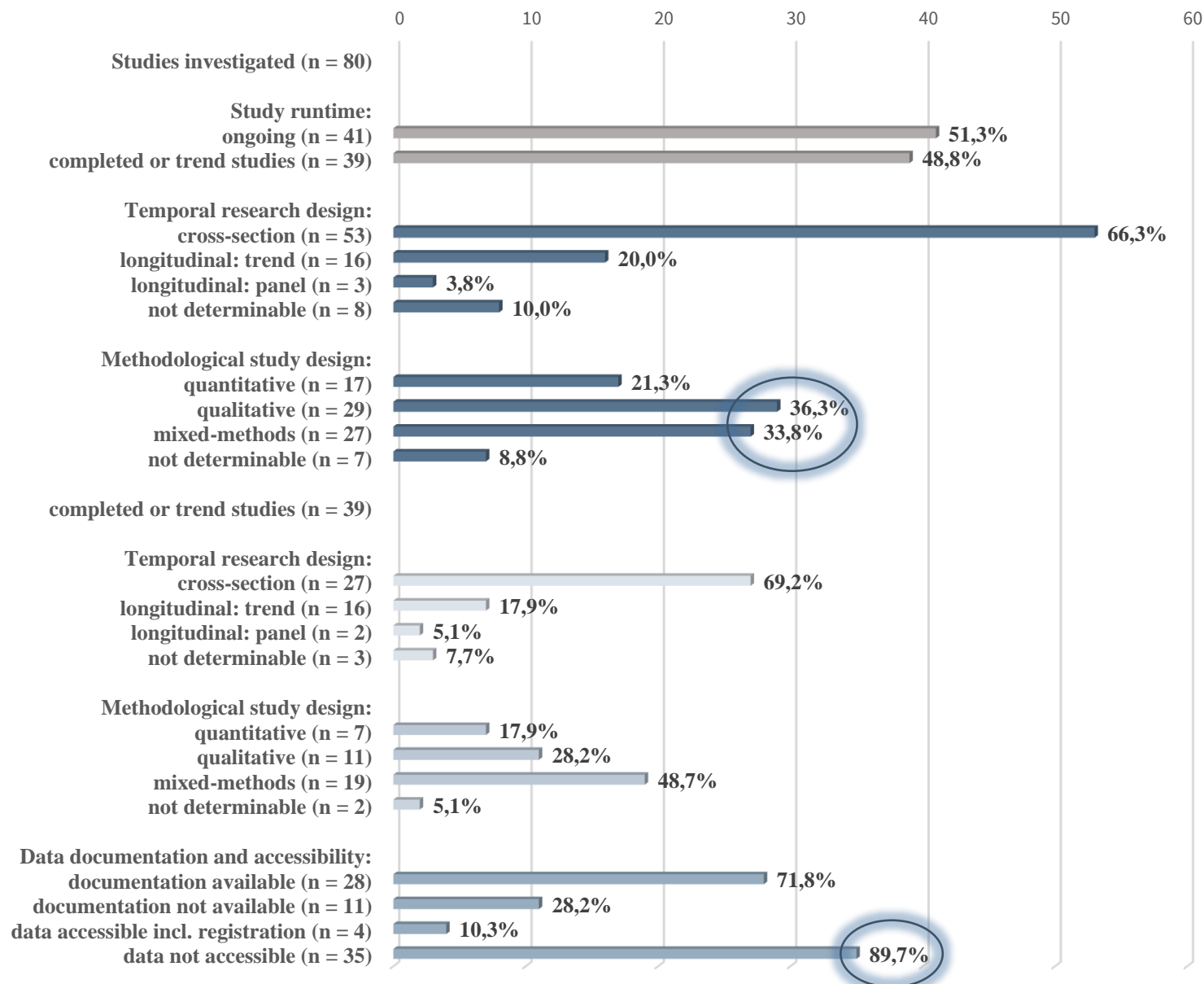


Data FAIRness

(Wilkinson et al. 2016)

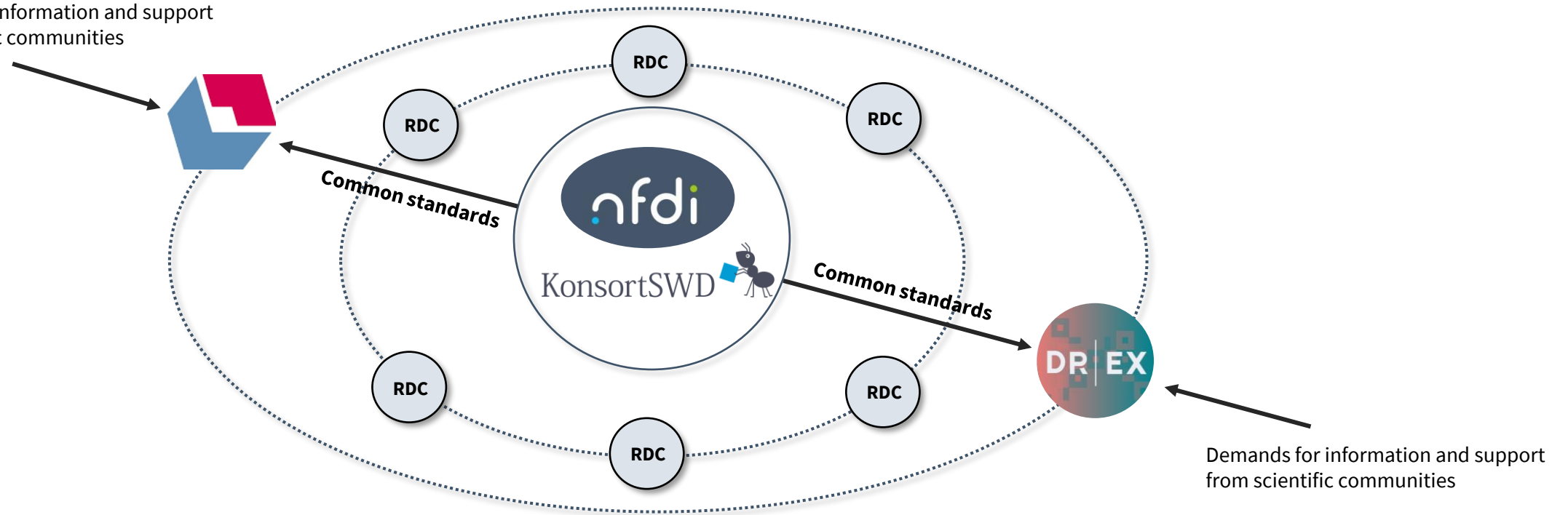
Key findings of data review

- 20+ national organizations and research institutes have been inspected (Jan-Feb/2022)
- The data landscape in the research fields is highly fragmented
- Strong interdisciplinarity and diverse methodological approaches
- Data findability and especially accessibility leave room for improvement



DSDI in Germany – the big picture

Demands for information and support
from scientific communities





Data explorer

- Search-widget with pre-selected research data
- Tailored data descriptions (metadata) using domain-specific terminology



Data sharing

- Guided data submission via the web portal
- Cost-neutral archiving of suitable research data with re-use potential



Data management

- Consulting in data collecting and archiving by institutes with topic-related and methodological expertise
- Supply of information materials and guides



Hate speech corpus

- Annotated dataset for hate speech and crime on the internet
- Use-case for the publication of a sensitive social media corpus



Data trustee VrAN

- Infrastructural solutions to share and maintain online registers of racist or far-right actors and networks across research projects

Upcoming research data in the catalogue

Stock data

- Topic-related research data which is already archived or will be archived by the federated RDCs ([GESIS](#), [Qualiservice](#), [DeZIM.fdz](#))

Data from cooperating RDCs with topic-related data

- Exchange of study descriptions (metadata), e.g. with the [RDC](#) of the Research Institute Social Cohesion ([RISC](#))

Data originating from [current research funded by the BMBF](#)

- Current and historical dynamics of right-wing extremism and racism
- Current dynamics and challenges of Anti-Semitism
- Social causes and effects of radical Islam in Germany and Europe

Offers & services

- Data sharing & management
- Data search & metadata development
- Data search – use case



Data sharing



Data management



Data explorer

Research data sharing

Archiving & Publication

- Cost-neutral data archiving for researchers
 - Prerequisite: Alignment with [collection guidelines](#) and compliance with data protection and research ethics requirements
- Data preparation, curation & documentation
 - (Long-term) archiving and provision for scholarly reuse
- Online data submission via www.datenportal-rechtsextremismus.de

Wenn Sie Ihre Forschungsdaten zu den Themenkomplexen Rassismus und Rechtsextremismus langfristig sichern und für eine Nachnutzung bereitstellen wollen, können Sie Ihre Daten direkt online melden.

MELDEFORMULAR

Für die Erstmeldung ist keine Registrierung notwendig, bitte beachten Sie die weiteren Hinweise im Meldeformular.

DATEN MELDEN

Research data management (RDM)

- To avoid limitations in later data usage it is advisable to consider data archiving questions early in the research process
- Consultation services, for instance, on data collection itself, quality assurance, or data preparation for archiving



Marlene Hilgenstock & Pascal Kolkwitz-Anstötz (datenportal-rechtsextremismus@gesis.org)

Previous MtE talks



Theresa Manderscheid (theresa.manderscheid@uni-bremen.de)



Mirna El Masri (el-masri@dezim-institut.de)

Data publication how-to: initial questions

- Do you hold the appropriate rights to publish your data? §
 - Are there any legal restrictions?

• Is the data in an appropriate format for preservation?

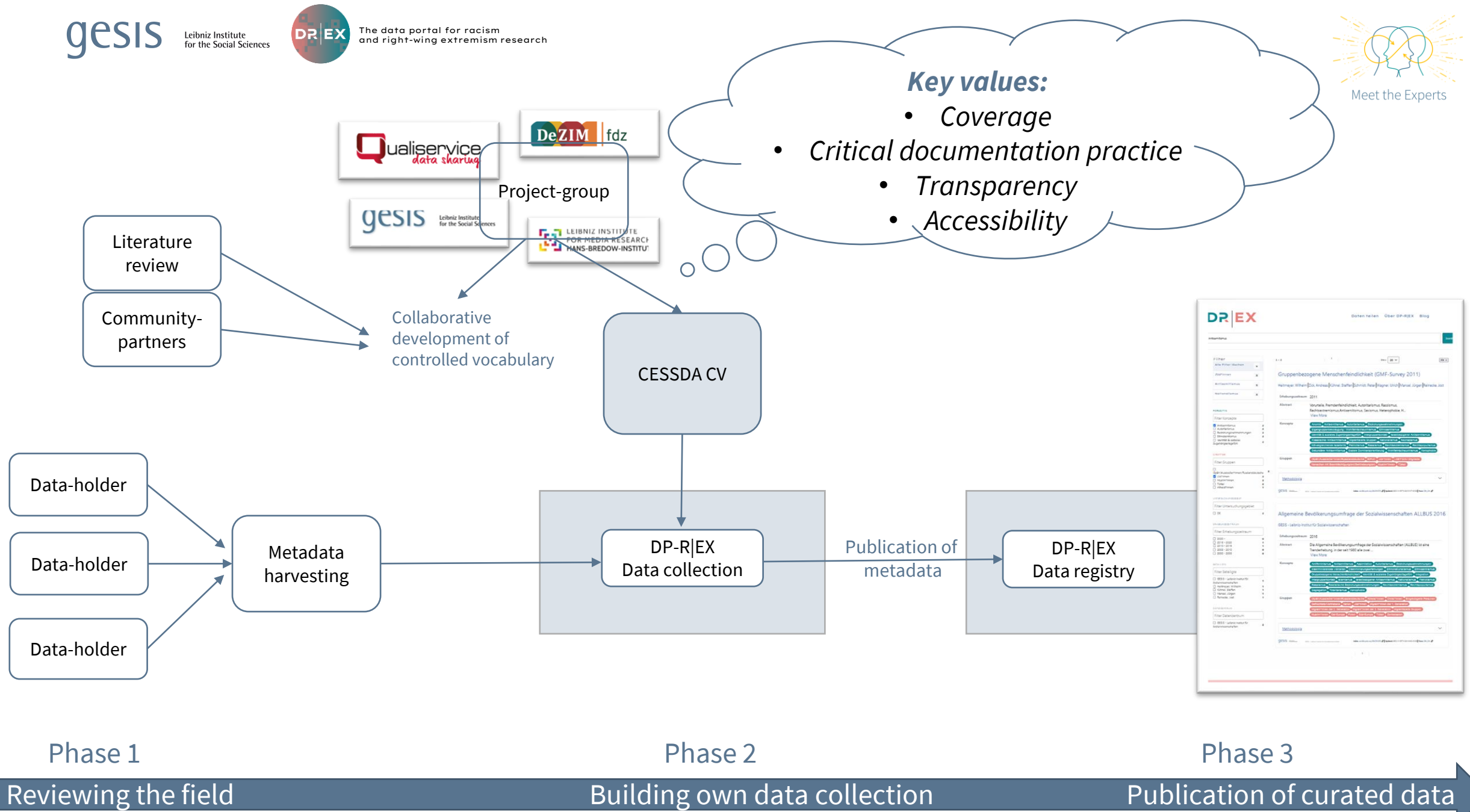
• Is the data sufficient for reuse?

- Can others understand the data?

• Is the data itself ...

First steps towards TDR certification

Dos	Don'ts
<ul style="list-style-type: none"> ✓ Get management on board as early as possible <ul style="list-style-type: none"> → Obtain a mandate for what you are doing 	<ul style="list-style-type: none"> ✗ Start without support from management and/or without a mandate and dedicated resources
<ul style="list-style-type: none"> ✓ Determine objective: Why do you seek certification? ✓ Determine the service/workflow(s) to be certified <ul style="list-style-type: none"> → Select suitable standard based on these considerations 	<ul style="list-style-type: none"> ✗ Start the process without a good understanding of the certification standard and its scope in relation to the service you want to certify
<ul style="list-style-type: none"> ✓ Carry out initial self-assessment to identify potential challenges, missing documentation and policies ✓ Combine with FAIR assessment for metadata quality ✓ Find peer organizations similar to you also considering certification and join forces 	<ul style="list-style-type: none"> ✗ Start the process without sufficiently documented workflows and policies



Data search – use case

Antisemitism Search

Filter

Delete all Filters x

Antisemitism x

Assimilation x

CONCEPTS

Filter Concepts

- Antisemitism 2
- Assimilation 2
- Discriminatory behaviour 2
- Ethnocentrism 2
- Integration 2

GROUPS

Filter Groups

- (Spät-)Aussiedler*innen/Russlanddeutsche 1
- Atheist*innen 1
- Christ*innen 1
- Eingebürgerte Personen 1
- Geflüchtete/Vertriebene 1

1 - 2 1 Show 20 en

Labour Migration, Market Competition and Ethnocentrism: Guest workers in Israel and Germany

Schmidt, Peter | Heyder, Aribert

Date(s) of Data Collection 1996 - 1999

Abstract

Concepts

Antisemitism
Assimilation
Threat perceptions
Discriminatory behaviour
Discrimination
Ethnocentrism
Integration
Intergroup relations/conflicts
Marginalisation
Migration policies
Multiple Integration
Nationalism
Patriotism
Perceptions of racism
Xenophobia

Groups

Herkunft
Naher Osten
Religiöse Zugehörigkeit

[Methodology](#)

R|EX-specific Concepts

Differentiation factors

Data search – use case

Individual search option

Antisemitism Search

R|EX-specific Concepts

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Delete all Filters x

Antisemitism x

Assimilation x

CONCEPTS

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Differentiation factors

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Groups

- Herkunft
- Naher Osten
- Religiöse Zugehörigkeit

Methodology

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Data search – use case

Individual search option

Antisemitism Search

R|EX-specific Concepts

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Delete all Filters x

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Differentiation factors

GROUPS

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Concepts

Antisemitism Assimilation Threat perceptions Discriminatory behaviour Discriminatory behaviour Ethnocentrism Integration Intergroup relations/conflicts Marginalisation Migration patterns Multiple Integration Nationalism Patriotism Perceptions of racism Xenophobia

Groups

Herkunft Naher Osten Religiöse Zugehörigkeit

Methodology

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Methodology

Mode of Data Collection

Sampling Procedure

Temporal Research Design

Universe

Geographic coverage DE|IL

Expert contact & GESIS consulting



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GESIS Consulting: GESIS offers individual consulting in a number of areas – including survey design & methodology, data archiving, digital behavioral data & computational social science – and across the research data cycle

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