Repository Workflow For Interlinking Research Data With Grey Literature

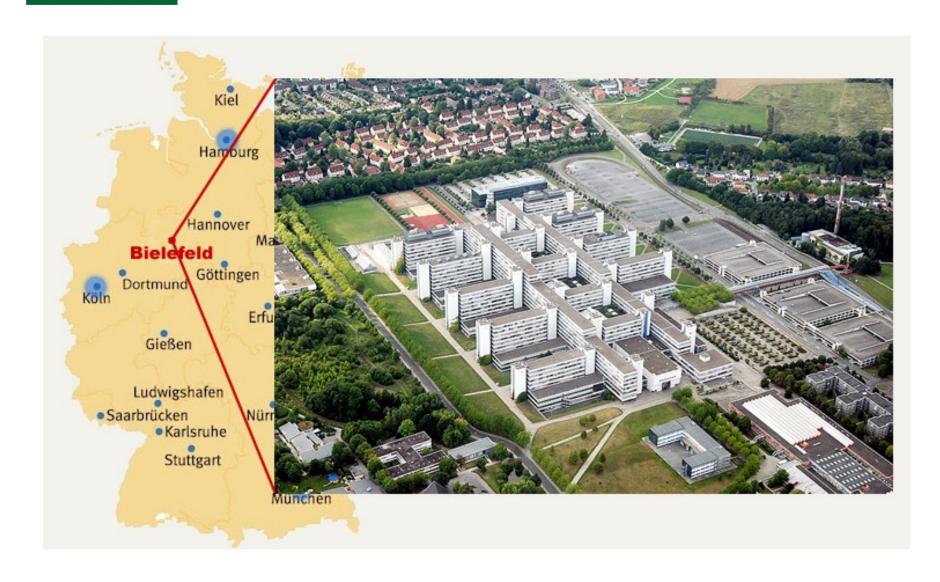


8th Conference on Grey Literature and Repositories, 21-Oct-2015, Prague Johanna Vompras, Jochen Schirrwagen | Bielefeld University, Germany This presentation is licensed under the Creative Commons licence: CC-BY-SA-4.0 (http://creativecommons.org/licenses/by-sa/4.0/), via http://invenio.nusl.cz/record/200839



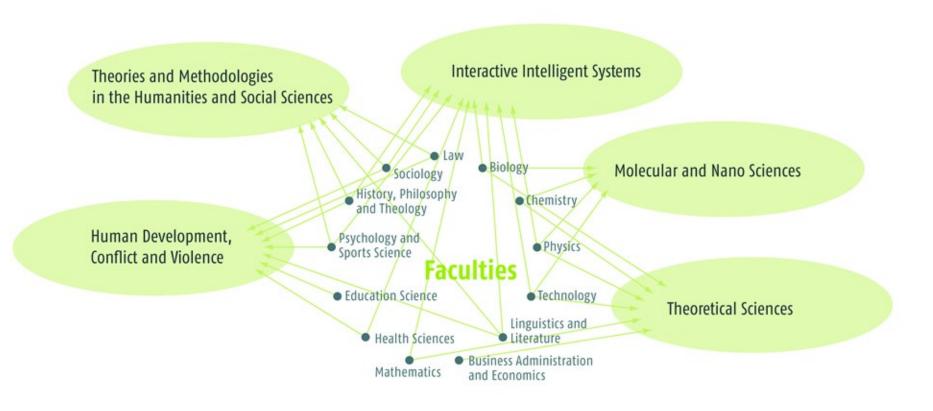
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Research at Bielefeld University

Research Areas and Interdisciplinary Research Networking at Bielefeld University



Policies, Infrastructure, Support

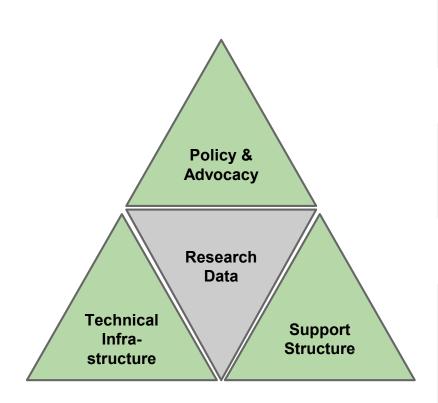
Research data requirements from funders and publishers



Implementation in institutional Research Data Policy



- Map to local conditions
- Align with institutional RDM services, roles, responsibilities
- Awareness and Guidance for researchers towards research data publication and sharing



Synergy of policy, infrastructure and support

Milestones on RDM at Bielefeld University

2009

Start of pilot project INFORMIUM (Dec. 2009)

2011

- Principles on handling research data and set up of coordination centre
- http://data.uni-bielefeld.de

2012

- DOI Publication Agent
- Participation in pilot projects (CRC882, CITEC, OA-Task Force)

2013

- Resolution on Research Data Management
- Data Management Planning Tool (inhouse)
- Integrated research data repository

2015

 Guidelines for complying with OA and Open Data requirements in Horizon2020

Institutional Repostitory PUB

PUB

Universität Bielefeld PUB - Publications at Bielefeld University



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Research Data Management

Support Publication Services

Susanne Riedel Phone: 0521/106-4058 publikationsdienste.ub

@uni-bielefeld.de

Introducing PUB

- ☐ access point to instit. research output
 - scientific literature and research data
- build with LibreCat



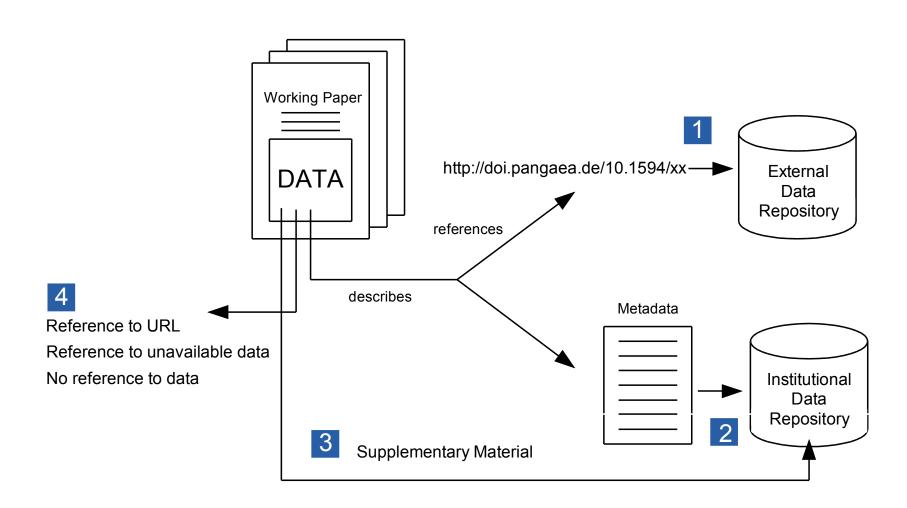
- provides
 - author publication lists
 - mint of DOI / URN for permanent, reliable citation
 - interfaces (OAI, SRU, CQL)
 - formats (DC, MODS, DataCite, XMetaDissPlus)
 - linking of research data with literature
 - Partner in the SAFE Private LOCKSS Network



Identified Challenges Regarding Research Data and Grey Literature

☐ Use of citation standards for research data ☐ Registration of research data ☐ Authoring tools supporting data citation ☐ Institutional policies covering grey literature and research data ☐ Cross-disciplinary generic RDM solutions ☐ Promote awareness about research data publication and sharing - a Libraries role

Linking Grey Literature with Research Data as Discrete Resources





Examples Illustrating Variety of Publications with Associated Research Results

- □ PhD thesis as Enhanced Publication (2011):
 - thesis in TU Delft inst. repository with datasets deposited in 3TU.Datacentrum (http://t1p.de/ep-dissertation-tudelft)
- Working Paper in Economics and Management (2015):
 - metadata relate to source code and data publication
 - data publication also cited by other publications (http://pub.uni-bielefeld.de/publication/2723277)



Services Supporting Aggregation, Mining, discovery of Linked Research Results

□ Data Literature Interlinking service:

- collaboration of data centres, publishers, research organisations
- provide "authoritative" links between datasets and research literature (http://dliservice.research-infrastructures.eu)

☐ OpenAIRE:

- scholarly communication infrastructure supporting contextualization of research results
- aggregation and knowledge extraction from literature and data repositories (https://www.openaire.eu)

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Working Paper Example in PUB

Universität Bielefeld

Methodological Report Employee and Partner Surveys of the Linked Employer-Employee Panel (LEEP-B3) in Project B3 "Interactions Between Capabilities in Work and Private Life: A Study of Employees in Different Work Organizations"

Abendroth A, Melzer SM, Jacobebbinghaus P, Schlechter F (2014)

SFB 882 Technical Report Series, 12. Bielefeld: DFG Research Center (SFB) 882 From Heterogeneities to Inequalities.

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Working Paper Example in PUB



Linking LEEP-B3 Survey Data with Administrative IAB Data

Peter Jacobebbinghaus Stefan Seth Martin Diewald Reinhard Schunck Anja-Kristin Abendroth Silvia Maja Melzer Stephanie Pausch Mareike Reimann Björn Andernach Refereed scholarly paper

- Reviewed submissions two stages: internal and external
- For presenting technical work,
 e.g. data documentation, field reports
 questionnaires, data processing

SFB 882 Technical Report Series o No. 21 o May 2015 DFG Research Center (SFB) 882 From Heterogeneities to Inequalities http://www.sfb882.uni-bie.lefeld.de/

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Linking LEEP-B3 Survey Data with Administrative IAB Data

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SFB 882 Technical Report Series

No. 21

May 2015
DFG Research Center (SFB) 882 From Heterogeneities to Inequalities http://www.sfb882.uni-bielefeld.de/

Working Paper Example in PUB

	Part 0: Introduction and identity check
T02:	Hello, my name is <int> from the SOKO-Institute for empirical social research and communication is Bielefeld. Do I speak with <name>? Some days ago we have sent you a letter with information about our current survey. In association with Bielefeld University we are surveying the achievement of goals in private and working life. Did you receive this letter?</name></int>
	Yes
	No
	INT: If "no": This letter gave you basic information about the survey. Using telephone interviews we try to identify life goals in the private and work domain employees pursuit, and which conditions ease or hinder their achievement. For this survey employees had been chosen randomly from the central register of the "Federal Employment Agency" in Nuremberg, and you are one of them.
T03:	The survey will take around 40 minutes.
	Your cooperation is voluntary. The SOKO Institute guarantees that all information will be processed stric confidential and anonymously without using your name and address. Our staff is bounded to secrecy. The data will be used exclusively in terms of this research project. Do you have the time to take part in the survey, or would you like to make an appointment?
	Appointment for the interview:
	Start right now
	Refusal of interview
	INT: Which appointment has been made? Please check the correspondent box!
	In the following text the categories "Don't know'and "Refusal" will only be shown, if they are related to the of questions.
	Please name your year of birth.
03A:	



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May 2015
DFG Research Center (SFB) 882 From Heterogeneities to Inequalities http://www.sfb882.uni-bielefeld.de/

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Code Scheme

R219:	How often do the following points happen to you? Please answer again according to the scale from to 5. The 1 means "always", 2 means "often", 3 "sometimes", 4 "rarely" and 5 "never".									
		always	often	sometimes	rarely	never				
		1	2	3	4	5				
R219A:	I often am already thinking about work-related problems when I wake up.									
R219B:	When I come home, it is very easy to switch off from thinking about work.									
R219C:	Those closest to me say I sacrifice myself too much for my career.									
R219D:	Work seldom lets go of me; it stays in my head all evening.									
R219E:	If I put off something that needs to be done that day, I can't sleep at night.									



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II SFB 882 From Heterogeneities to Inequalities

Linking LEEP-B3 Survey Data with Administrative IAB Data

Peter Jacobebbinghaus Stefan Seth Martin Diewald Reinhard Schunck Anja-Kristin Abendroth Silvia Maja Melzer Stephanie Pausch Mareike Reimann Björn Andernach

SFB 882 Technical Report Series o No. 21 o May 2015 DFG Research Center (SFB) 882 From Heterogeneities to Inequalities http://www.sfb882.uni-bie/efeld.de/

Description of data with DOI reference

Uni Bielefeld » Fakultät für Soziologie » SFB 882 » Datenpublikationen » 10.4119/unibi /sfb882.2014.12

10.4119/unibi/sfb882.2014.12

Suggested citation:

Diewald, Martin; Schunck, Reinhard; Abendroth, Anja-Kristin; Melzer, Silvia Maja; Reimann, Mareike; Pausch, Stephanie (2014): LEEP-B3. SFB 882. doi:10.4119/unibi/sfb882.2014.12

Creators:

Diewald, Martin Schunck, Reinhard Abendroth, Anja-Kristin Melzer, Silvia Maja Reimann, Mareike Pausch, Stephanie

Title:

LEEP-B3

Publisher:

SFB 882

Year of publication:

2014

Subjects:

Sociology



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Metadata at landing page referenced by the DOI

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From Heterogeneities to Inequalities

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10.4119/unibi/sfb882

Suggested citation:

Diewald, Martin; Sch Maja; Reimann, Mar doi:10.4119/unibi/sfb

Creators:

Diewald, Martin Schunck, Reinhard Abendroth, Anja-Kris Melzer, Silvia Maja Reimann, Mareike Pausch, Stephanie

Title:

LEEP-B3

Publisher:

SFB 882

Year of publication:

2014

Subjects:

Sociology

Resource type:

Dataset (Stata dataset)

Size:

10000 kb

Formats:

application/x-stata-dta

Version:

1.0

Rights (license):

Confidential data.

Abstract:

Der LEEP-B3 Datensatz wurde im Rahme "Wechselwirkungen zwischen Verwirklich Privatleben" erstellt. Mit Hilfe des Datens: Kontexte bei der Genese sozialer Ungleic wechselseitiger Beeinflussung von Berufs Neben der Befragung von Beschäftigten u Verwirklichungschancen in beiden Lebens Maßnahmen befragt, die Arbeitnehmern e Berufs-, sondern auch im Privatleben erm Betrieben als Verhandlungspartner und Guntersucht. Durch die Verknüpfung der Be Arbeitnehmern entsteht ein Datensatz im

r. Silvia

B 882.



Principle:

discipline-independent model for interlinking grey literature with data sets

Use Cases we consider:

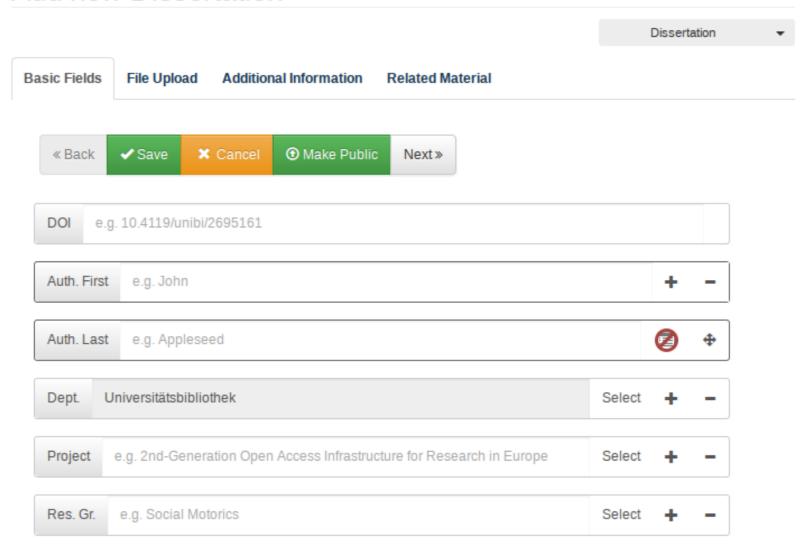
- A. Supplementary material attached to main manuscript
- B. Discrete data publication in PUB
- C. Linking to external data publications

- Advisory support for thesis publication
 - sensitizing PhD candidates for data publication & data citation used in their thesis publication
 - incorporate data publication workflows to thesis submisson process
- Submission and linking process in PUB
 - enter of basic bibliographic information
 - association with
 - registered data publication
 - external resources or
 - reference to software repository, e.g. on GitHub



Linking Data to Grey Literature (taking thesis as example) Step 1: submission form

Add new Dissertation



Step 2: Associate related material

Related Material Link to PUB record Start typing to search your publications. Link to other record URL Title Description Add Related material is... **𝚱** Fluorescence micrograph segmentation Algorithms Software Research Data

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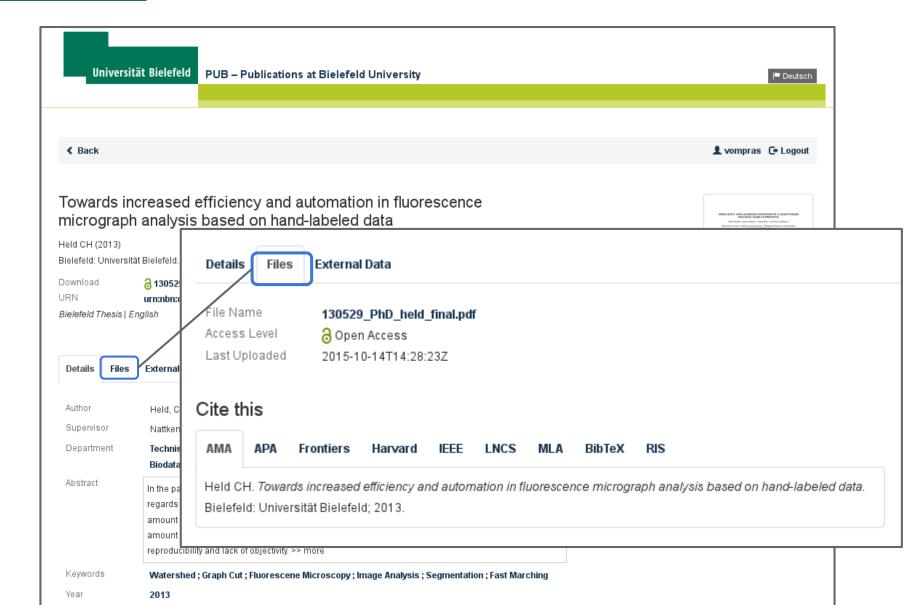
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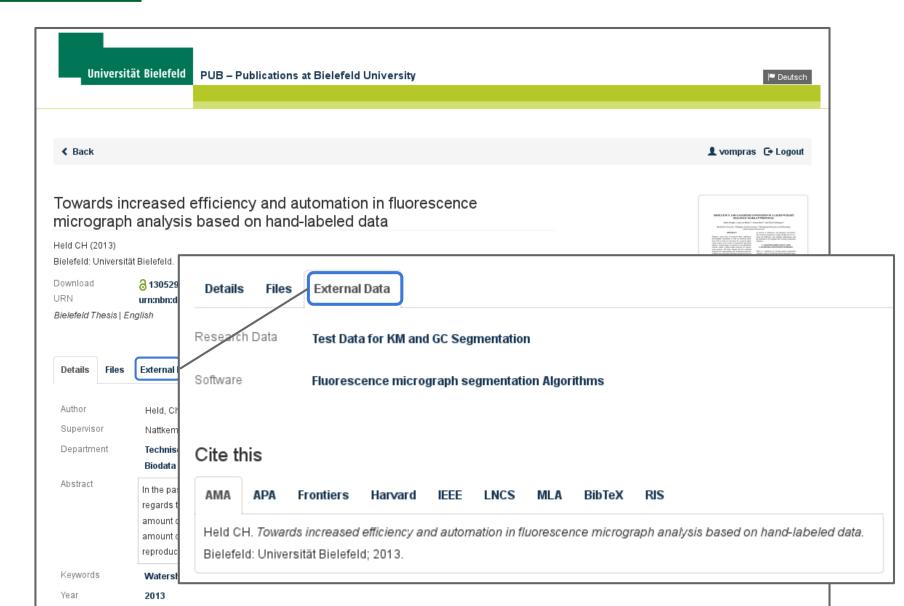
✓ Save

X Cancel

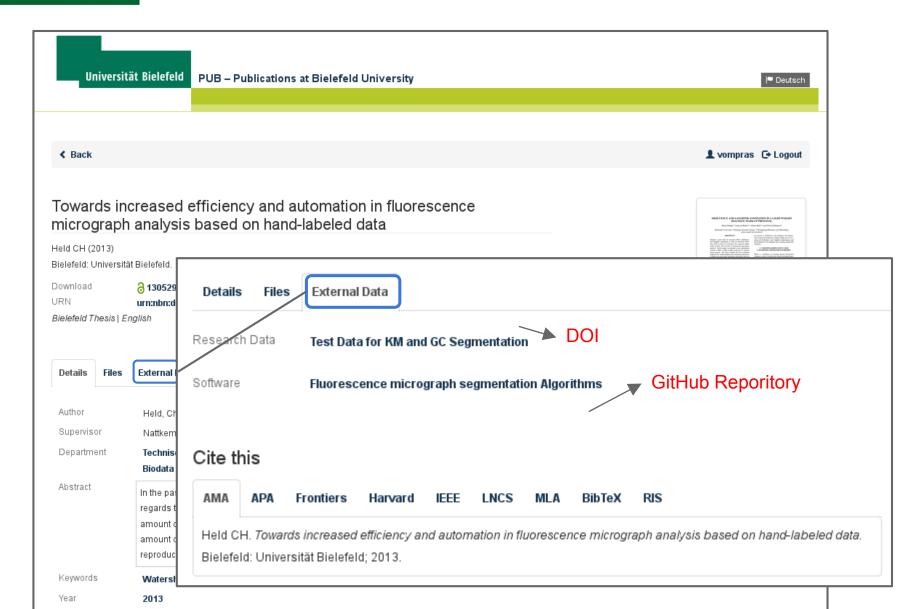
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Relations of a PhD Thesis to **Associated Material**

Resource	Relations	Identifier	Resource Type	Target Example
Related Material	suppl. material	PUB-ID, File-ID	any	any uploaded file
Publications in PUB	is-part-of, earlier- version, cites, is-cited- by	PUB-ID	(data) publication	PUB landing page
External Data	is-part-of, earlier- version, cites, is-cited- by, uses	DOI, URL	software, data sets	link to gitHub, thematic repositories

- Alignment, implementation and promotion of institutional research data policy, technical infrastructure organizational support
- ☐ As next: DFG-funded CONQAIRE project:
 - exploring and implementing new methodologies for managing research
 - catalogue of criteria to verify formal data quality
 - enabling analytical reproducibility

Find out more about:

- □ Research Data Management at Bielefeld University https://data.uni-bielefeld.de/en
- Open Access at Bielefeld University http://oa.uni-bielefeld.de/en/index.html
- □ PUB Publications at Bielefeld University http://pub.uni-bielefeld.de/

Contact: data@uni-bielefeld.de



Research Data Management Support at Bielefeld University

Resolution on Research Data Management

(adopted by the Rektorat, 12 Nov 2013)

- > to take advantage of university's **advisory services** for research data management
- to publish research data through registered research data repositories or through the university's research data repository;
 - Publication should take the interests of persons and companies into account and be based on binding licensing conditions.