



GO FAIR Implementation Network on Cross-Domain Interoperability of Heterogeneous Research Data (GO Inter)

Peter Mutschke (GESIS)

Kick-Off Workshop, October 1-2, 2019, GESIS, Cologne

Website: <https://www.go-fair.org/implementation-networks/overview/go-inter/>



#INsGOFAIR19
#GOInterIN

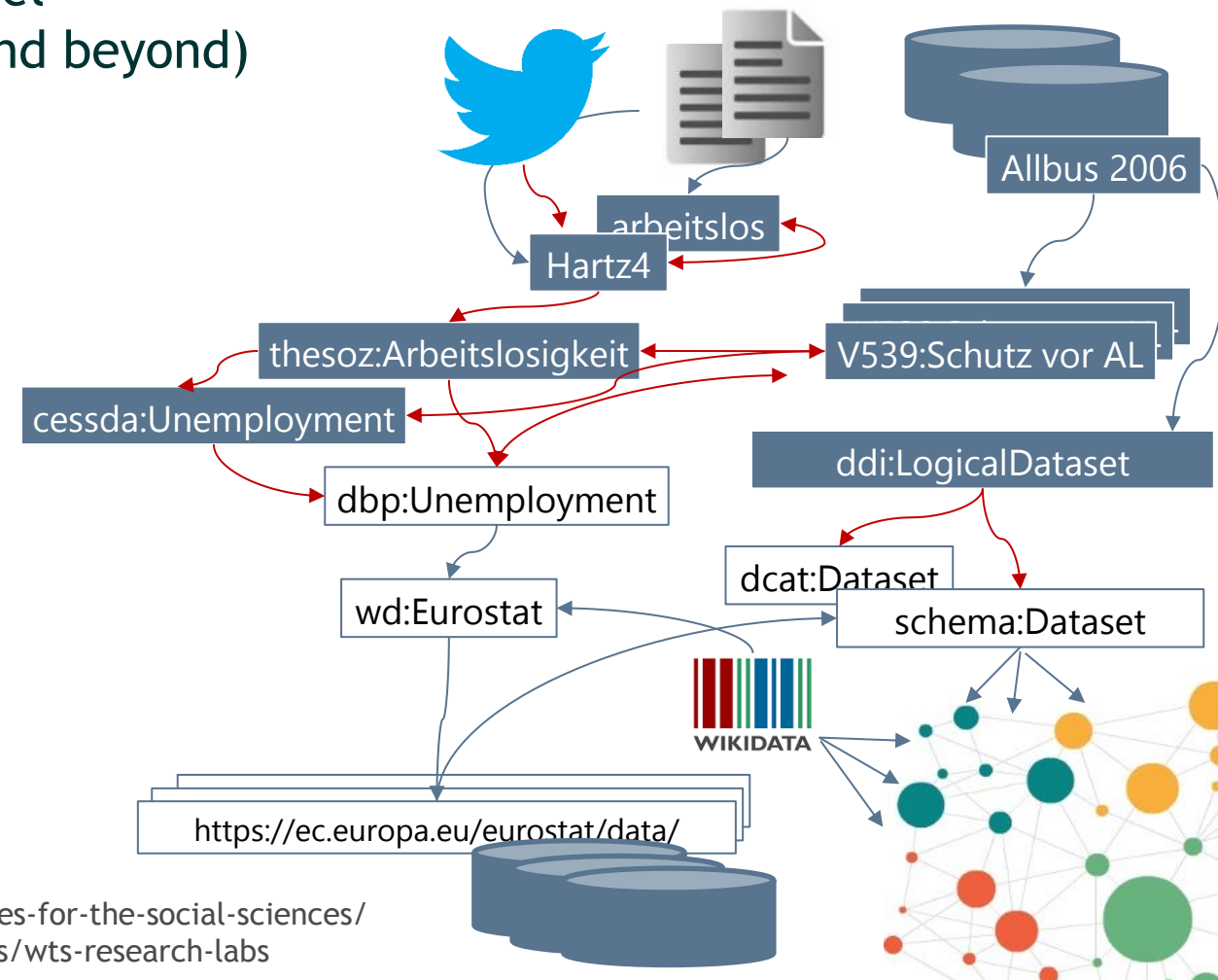
GESIS & Knowledge Technologies for the Social Sciences (WTS)

- Largest European infrastructure institute for the social sciences (> 400 staff, based in Mannheim and Cologne)
- Research in social sciences and computer science (and their intersection, e.g. Computational Social Sciences)
- WTS: research data management along „research data lifecycle“ (IR/search, NLP, linking, mining, etc)
- Research data: survey, microdata, increasingly Web data; strategic focus on „digital behavioral data“ (social Web, etc)



Integrated semantic indexing, linking and search of/in GESIS data

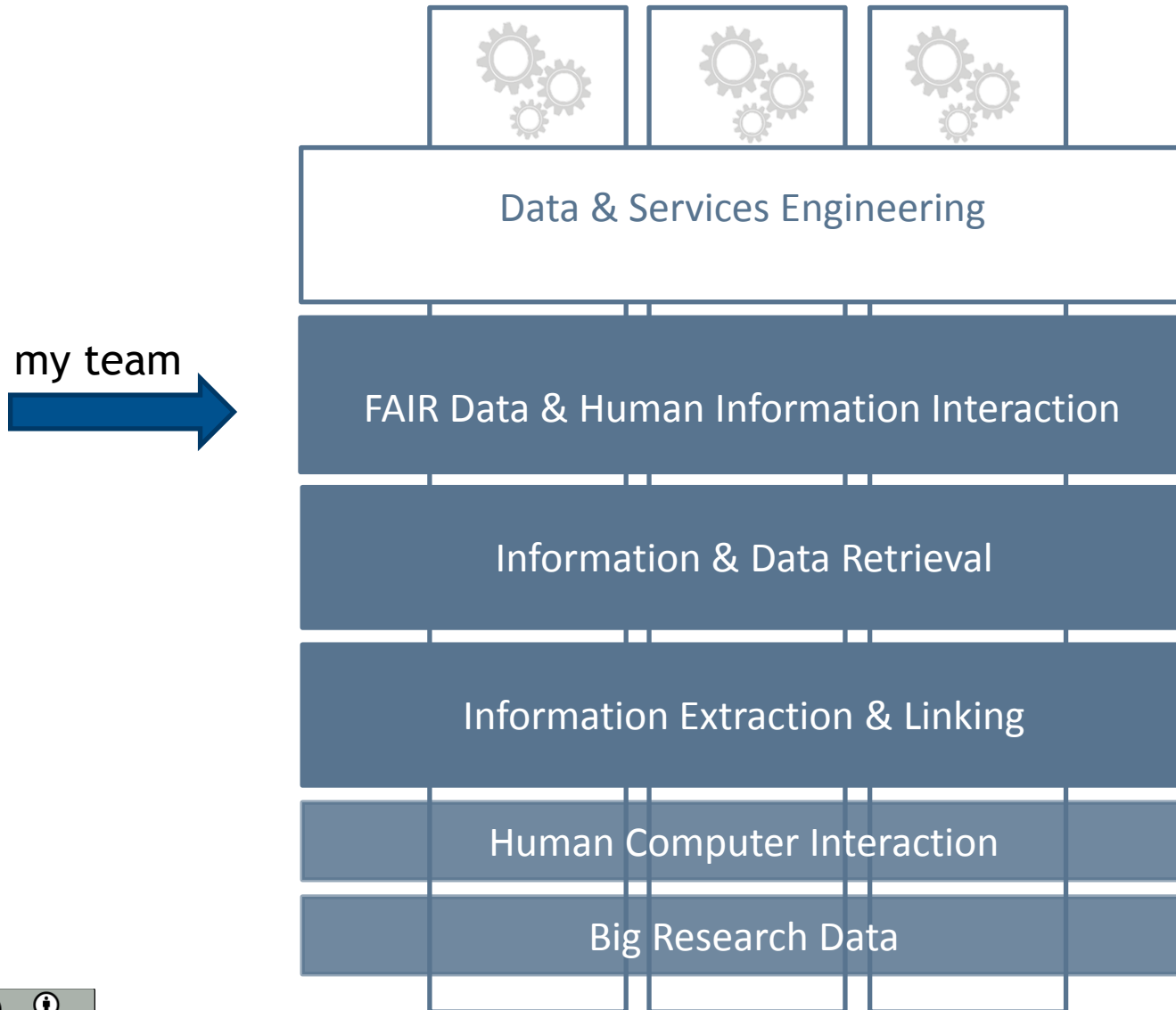
- Linking of datasets at metadata- and data-level (across datasets and resources within GESIS and beyond)
- Enabling human- and machine-readability
- Term- and entity-level linking
- Variables and concepts
- Datasets and resources
- Schema- and vocabulary-level (established Web schemas and vocabularies)
- GESIS-wide vs Web-wide



WTS: <https://www.gesis.org/en/institute/departments/knowledge-technologies-for-the-social-sciences/>

WTS Labs: <https://www.gesis.org/en/research/applied-computer-science/labs/wts-research-labs>

Teams & Competence Areas of WTS



- *Data & Services Engineering* („Architektur“): research data infrastructure & software development
- *FAIR Data & HII*: FAIR / W3C standards for research data human-computer interaction
- *Information & Data Retrieval*: search, indexing, crawling, harvesting, profiling
- *Information Extraction & Linking*: NLP, information extraction (eg dataset disambiguation), language understanding etc (RCC)
- HCI, machine learning, HPC/big data etc as crosscutting topics

GO Inter Consortium

- Peter Mutschke, Felix Bensmann, Benjamin Zapilko, GESIS – Leibniz Institute for the Social Sciences (GESIS), Cologne, Germany
- Atif Latif, Leibniz Information Centre for Economics (ZBW), Kiel, Germany
- Marc Rittberger, Paul Libbrecht, Daniel Schiffner, German Institute for International Educational Research (DIPF), Frankfurt, Germany
- Gotthard Meinel, Sujit Kumar Sikder, Leibniz Institute of Ecological Urban and Regional Development (IOER), Dresden, Germany
- Michael Bosnjak, Roland Ramthun, Tanja Burgard, Leibniz Institute for Psychology Information (ZPID), Trier, Germany
- York Sure-Vetter, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany
- Andrea Scharnhorst, Kathleen Gregory, Gerard Coen, Ronald Siebes, Herbert van de Sompel, Data Archiving and Networked Services (DANS), Den Haag, The Netherlands
- Richard P. Smiraglia, Institute for Knowledge Organization and Structure, Lake Oswego, Oregon, USA
- Robert Pergl, Czech Technical University in Prague (CTU), Czech Republic
- Yann le Franc, e-Science Data Factory, Paris, France
- Giancarlo Guizzardi, Free University of Bozen-Bolzano, Italy
- Tiago Prince Sales – University of Trento, Italy
- Michel Dumontier, Ricardo de Miranda Azevedo, Vincent Emonet, Chris Evelo, Maastricht University, The Netherlands
- Sören Auer, Markus Stocker, Oliver Koepler, TIB Hannover, Germany
- Oscar Corcho, Maria Poveda, Universidad Politécnica de Madrid, Spain
- Stefan Dietze, Heinrich-Heine-University Düsseldorf, GESIS – Leibniz Institute for the Social Sciences (GESIS), Germany
- Mathieu Daquin, Insight Centre for Data Analytics, National University of Ireland, Galway, Ireland
- John Domingue, Knowledge Media Institute, The Open University, Milton Keynes, UK
- Javad Chamanara, L3S Research Center, Leibniz University Hanover, Germany
- Paul Groth, University of Amsterdam, The Netherlands
- Julia Lane, New York University, USA
- Wouter Beek, Triply B.V. & guest researcher at VU University Amsterdam, The Netherlands
- Paolo Manghi, Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" – CNR, Pisa, Italy
- Tobias Kuhn, VU University Amsterdam, The Netherlands
- Peter McQuilton, Oxford University, UK
- Carole Goble, The University of Manchester, UK
- John Graybeal, Stanford University, USA
- Ruth Duerr, Ronin Institute for Independent Scholarship



Agenda

First day	
Noon - 1p.m.	<i>Lunch</i> - Get together
1:00 - 1:15 p.m.	Welcome & Tour de Table (Peter Mutschke)
1:15 - 1:30 p.m.	Introduction: Why this Implementation Network (Peter Mutschke)
1:30 - 1:45 p.m.	GO FAIR (Catharina Wasner)
1:45 - 3:15 p.m.	Ignition Talks
1:45 - 2:15	FAIR Semantics: improving pluri-disciplinary semantic interoperability (Yann Le Franc)
2:15 - 2:45	Open Research Knowledge Graphs (Sören Auer)
2:45 - 3:15	The Social-Spatial Science Data Infrastructure SoRa (Ben Zapolko & York Sure-Vetter, Gotthard Meinel)
3:15 - 3:45 p.m.	<i>Coffee Break</i>
3:45 - 4:45 p.m.	Use Cases
3:45 - 4:05	How to deal with evolving vocabulary when it comes to linking (Gerard Coen, Andrea Scharnhorst, Ronald Siebes)
4:05 - 4:25	Shared Access for Items, Scripts and Streaming-Data (Paul Libbrecht , Daniel Schiffner)
4:25 - 4:45	Data Search (Kathleen Gregory, Paul Groth)
4:45 - 5:10	Further reports/pitches from participants (project experiences etc.)
5:10 - 6:30 p.m.	Review of the Manifesto & initial discussion of action points of GO Inter until end of 2020 (and beyond)
7:30 p.m. - ...	<i>Social Dinner</i> at FRÜH am Dom (self-paid)

Second Day	
8:30 - 9:00 a.m.	Ignition Talk: GO FAIR reference ontology (Robert Pergl)
9:00 - 9:30 a.m.	Ignition Talk: TriplyDB : FAIR Data as the New Default (Wouter Beek)
9:30 - 11:00 a.m.	Break-out sessions on action points
11:00 - 11:15 a.m.	<i>Coffee Break</i>
11:15 - 12:00 a.m.	Results from the break-out sessions
12:00 - 12:50 a.m.	Agenda of Go Inter until end of 2020 (and beyond)
12:50 - 1:00 p.m.	Sum up & next steps (Peter)
1:00 - 2:00 p.m.	<i>Lunch</i>
2:00 p.m.	End of the workshop

GoogleDrive Folder:
<https://kurzelinks.de/zd5d>



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Thank you!