

Consortium for the Social, Behavioural, Educational and Economic Science

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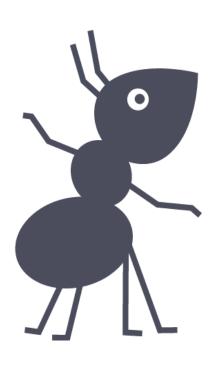
KonsortSWD: A New Joint German Research Data Infrastructure for the Social Sciences

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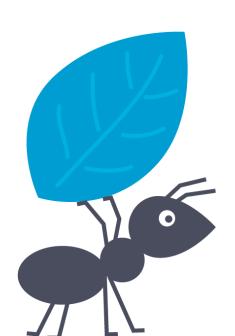
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- NFDI *some context*
- Strong Starting Position current
 Social-Science RDM-infrastructure
- Still Room to Grow objectives



Context: Research Data Management

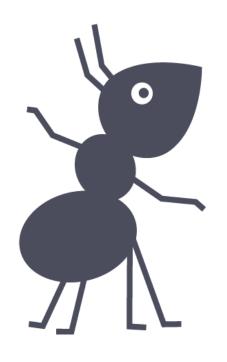


Research Data Management

- is key to re-using data and replicating research results
- is key to generating new knowledge (based on existing data)
- is often considered to be either fiendishly difficult or boring



Context: Challenges for RDM



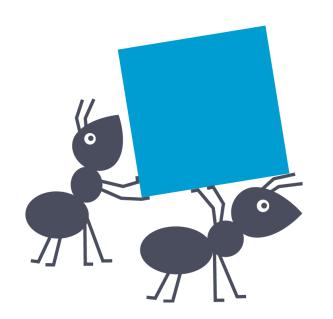
Key challenges for RDM are

- heterogeneous research cultures
- incompatible existing data silos
- lack of standards
- lack of skills
- lack of incentives
- combined with emergence of new data types

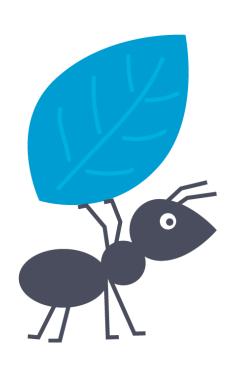




- is more than a national EOSC
- because it does not start technically (i.e. tools, software)
- but rather builds on RDM needs of research communities





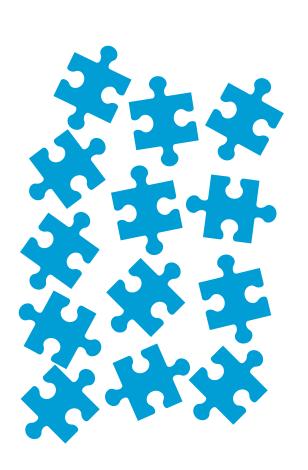


- The aim of the NFDI is to systematically manage scientific and research data, provide longterm data storage, backup and accessibility, and network the data both nationally and internationally.
 - https://www.dfg.de/en/research_funding/programmes/nfdi/index.html



- NFDI responds to similar international activities, e.g.
 - ODISSEI (Open Data Infrastructure for Social Science and Economic Innovations) -Netherlands
 - National Collaborative Research Infrastructure Strategy – Australia
 - Infrastructure of national interest Sweden
- and will interface with EOSC and RDA

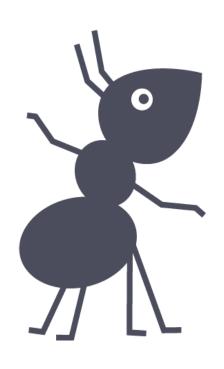




- Up to 30 consortia from all disciplines representing research communities
- Selected in 3 rounds (2020-2022)
- €85m / annually
- base for data-type-specific and general services to facilitate RDM and make data re-usable across domains.



Strong Starting Position in the Social Sciences



- Existing infrastructure of almost 40 research data centers
- covering mostly surveys and administrative data
- have established quality assurance
- strong research based output



Research Data Centers (RDCs)















































































Key figures of RDCs in 2019



4,371
Datasets
431 datasets added



55,270
External
Data users











Room to Grow: KonsortSWD Objectives



the scope of data available through Research Data Centres (RDC)

the cooperation between RDCs



KonsortSWD



- Improve findability on mainstream search engines
- Focus on interoperability not only on a technical level (e.g. harmonization of core concepts)



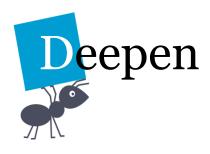
KonsortSWD



- Encourage creation of more RDCs for data as yet unavailable for research
- Focus on new data types (particularly text and qualitative)
- Investigate potential for data linkage



KonsortSWD

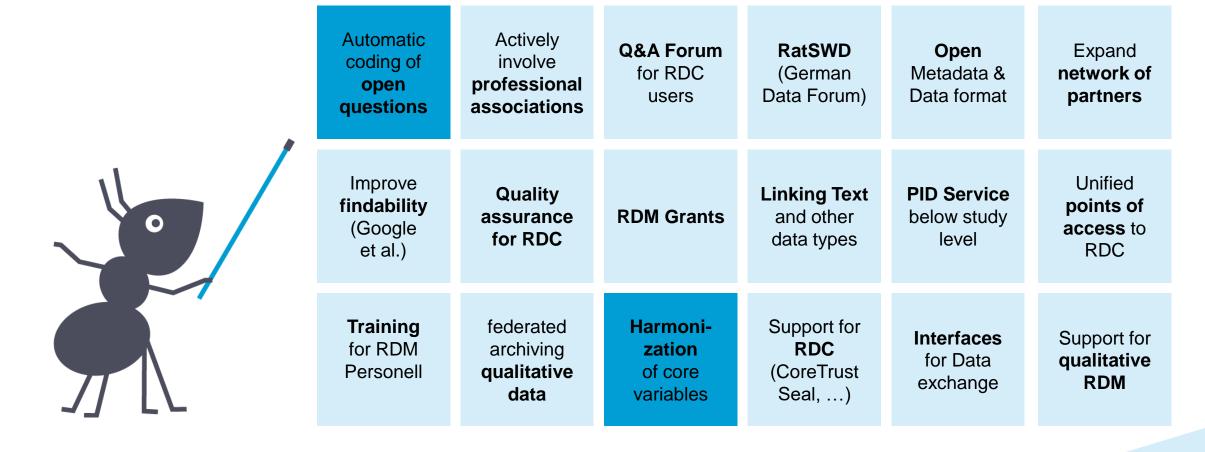


- Create PIDs at sub-study level
- Harmonize processes for dataaccess
- Provide central services (like remote access) to assist RDC

?



Objectives: Our Services and Two Examples





Harmonization of core variables



- Survey data are rarely interoperable as surveys measure concepts with different instruments
- we support questionnaire design with best practice guidelines
- For latent constructs (e.g. attitudes, interest, or values), we create a harmonization database
- will go online with "political interest" during 2021



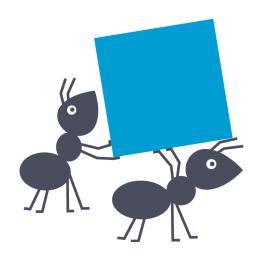
Automatic coding of open questions



- Open and semi-open response formats are part of most surveys
- We develop a tool for efficient and quality-assured coding (focus: occupations, education)
- Allows coding and validation with help of automatically generated suggestions, commenting and process documentation
- A beta version of CODI will be available in July 2022



Thank You



Great collaboration starts small









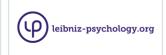












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