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Leibniz Institute
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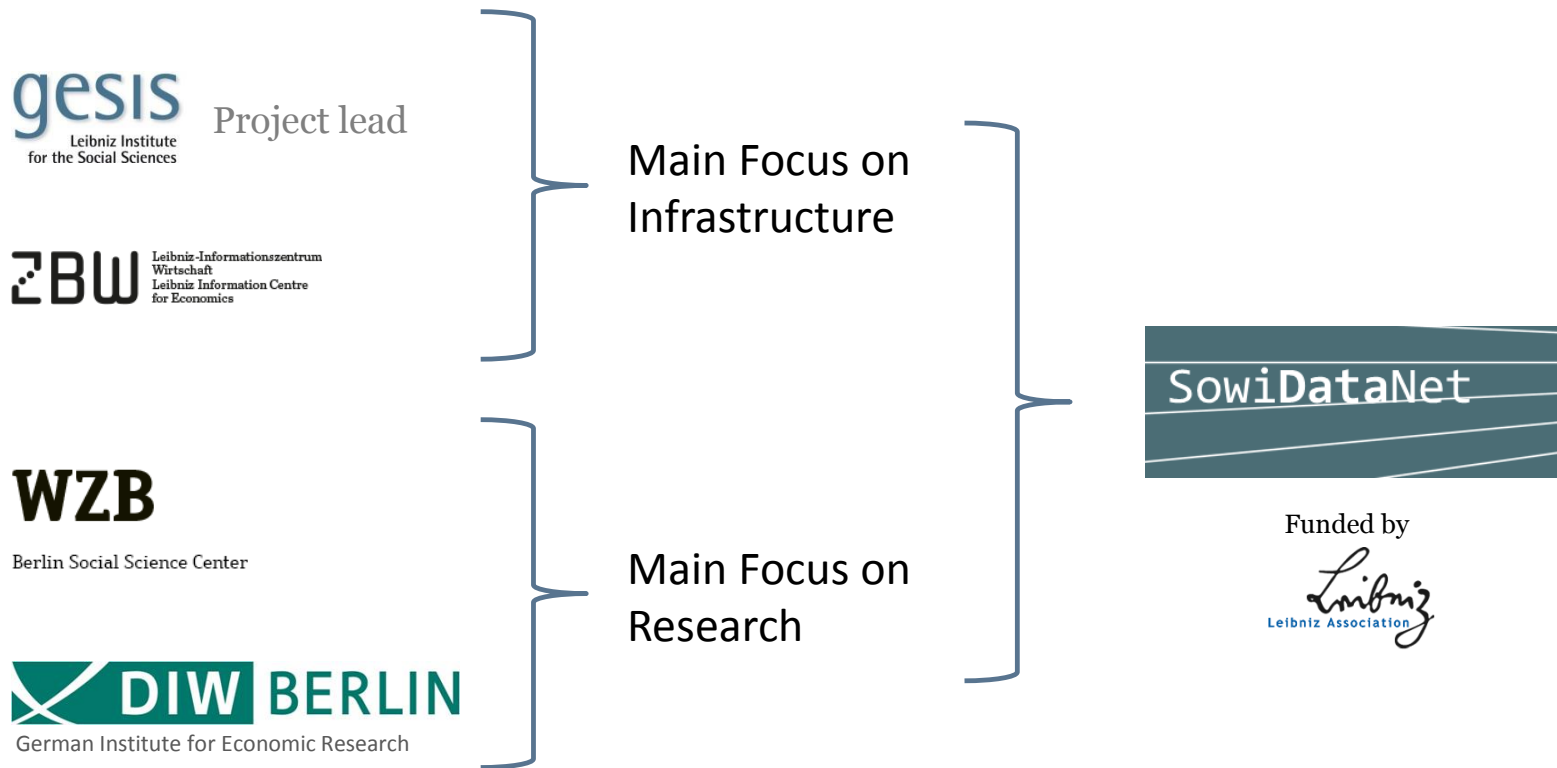


SowiDataNet - A User-Driven Repository for Data Sharing and Centralizing Research Data from the Social and Economic Sciences in Germany

Monika Linne, 30 June 2016

SowiDataNet Initiative – who we are

New infrastructure for archiving and distribution of quantitative research data of the social and economic sciences:



Excursion: Current Data Sharing Situation in Germany

- ❖ In 1998, the German Research Foundation demanded:
“Primary data as the basis for publications shall be securely stored for ten years in a durable form in the institution of their origin” (German Research Foundation, 1998)
- ❖ 18 years later researchers in Germany are still very reluctant when it comes to data sharing
- ❖ Most academic institutions have neither a research data policy nor an appropriate data infrastructure
- ❖ Funders and journals increasingly request data publication
- ❖ Scattered, unstandardized data archiving in different organizations, repositories, research data centers
- ❖ No central search and archiving portal (data is hard to find, efficient reuse is hampered)

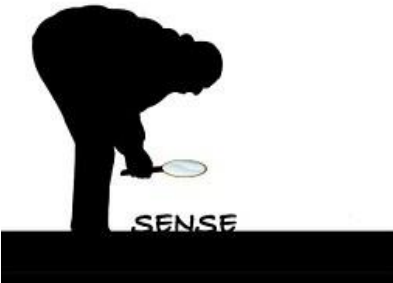
SowiDataNet: Purpose

- ❖ Providing a research data infrastructure for organizations, individual researchers and journals
- ❖ Bringing together research data from different sources and data providers
- ❖ SowiDataNet ensures safe data storage and a central access to data
- ❖ Establish a data sharing mentality in Germany
- ❖ Reduce reluctance of data sharing by:
 - Making data sharing as easy and attractive as possible
 - Enhancing knowledge about data management

Target Group



Organizations without own research data infrastructure



Individual researchers & journals



Organizations with own research data infrastructure



SowiDataNet: Features

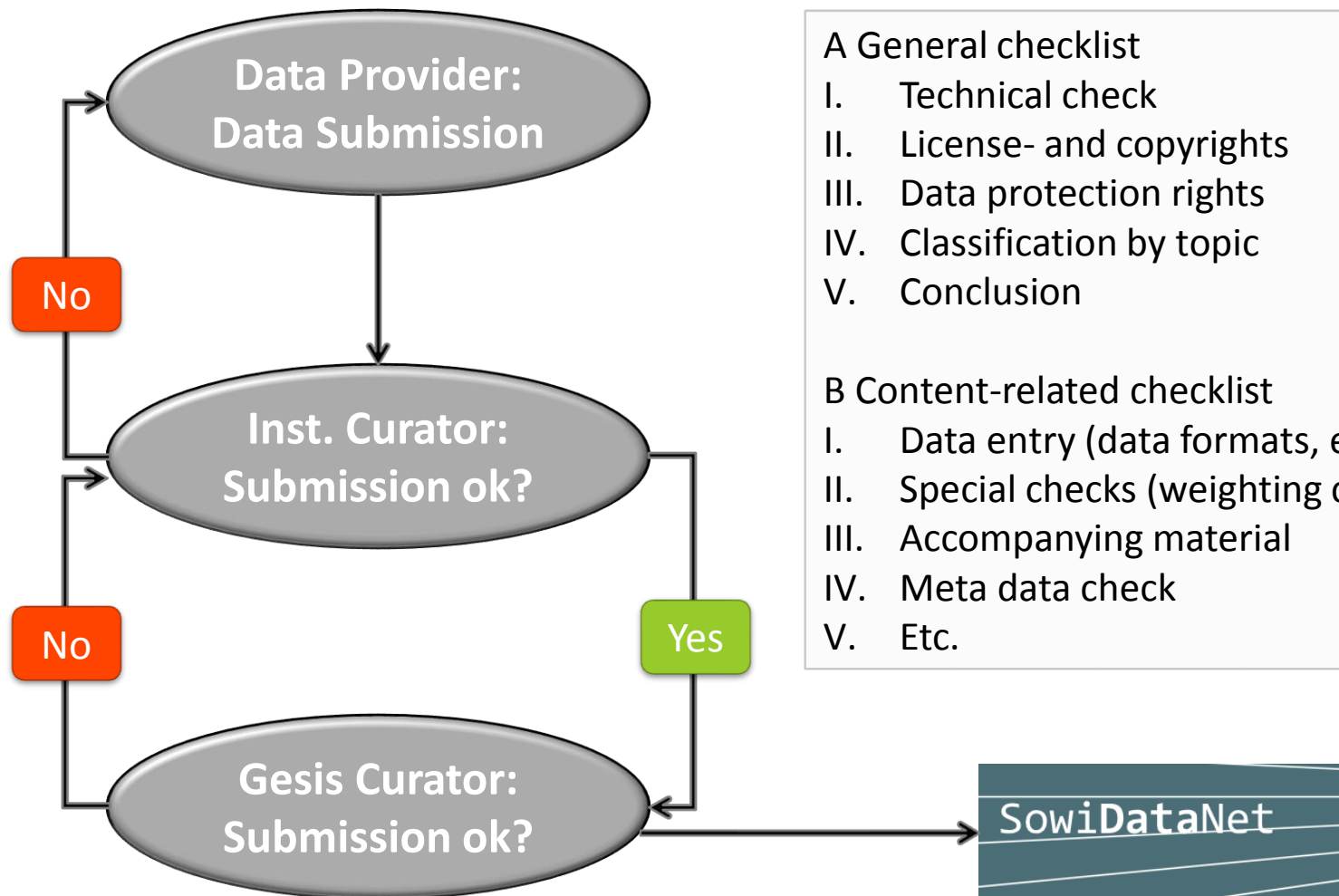
- ❖ Flexible data access rights (data provider keeps full data control)
- ❖ Persistent DOI registration for data citation
- ❖ Bit stream preservation
- ❖ Storage for at least 10 years
- ❖ Workshops for institutional curation experts
- ❖ Metadata standards, such as Dublin Core and DataCite are applied for better traceability and accessibility
- ❖ Modular system (future extension by other disciplines possible)
- ❖ Special features for academic institutions

SowiDataNet for Institutions

Institutions without data infrastructure need a repository for their research data:

- ❖ Interface-based usage of SowiDataNet on institutional websites (corporate design)
- ❖ Since the quality of data documentation has an effect on the institutional reputation, the data is double reviewed
- ❖ Institutional and GESIS curator necessary for support and review
- ❖ Standardized review provided by checklists, including mandatory fields (data protection regulations)

SowiDataNet – Double-Review



A General checklist

- I. Technical check
- II. License- and copyrights
- III. Data protection rights
- IV. Classification by topic
- V. Conclusion

B Content-related checklist

- I. Data entry (data formats, etc.)
- II. Special checks (weighting correct?)
- III. Accompanying material
- IV. Meta data check
- V. Etc.

SowiDataNet – Institutional View

- ❖ Customized view – all documented projects will be displayed as an institutional collection in the institutional corporate design
- ❖ By this the attractiveness of SowiDataNet may be increased for institutions without an own infrastructure (institutional data library)
- ❖ Users can conveniently browse institutional collections
- ❖ Once established, institutional researchers may be motivated and upload their data for better visibility and inner-institutional reputation

SowiDataNet – Versioning

- ❖ Data curator is responsible for versioning (three-digit version number X.X.X.)
- ❖ Institutional curators will be supported by providing a versioning guide to them
- ❖ Versioning will be applied for any changes to the documents
- ❖ With each new version number the project receives a new DOI
- ❖ DOIs of older Versions will have a reference that there are newer Versions available

www.sowidatanet.de



How can SowiDataNet counteract?

- ❖ Comprehensive requirements analysis
- ❖ Community driven implementation of a convenient documentation tool
- ❖ Low barriers enhance the acceptance of SowiDataNet
- ❖ Good instructions for data providers
- ❖ Contact person (curator) for questions
- ❖ Customized/ local usage for scientific organizations with corporate design

→ SowiDataNet is open to all researchers and scientific organizations from the Social and Economic Sciences