Data Sharing in the Social Sciences

- Long tradition of archiving and re-using data in the quantitative social sciences
  - Roper Center (U.S.) founded in 1947
  - GESIS Data Archive and other European social science archives founded in the 1960s
- Traditionally focus was on large-scale surveys/polls
- As a result of the digital transformation and growing importance of Open Science, the data sharing and archiving landscape in the social sciences is changing
A changing landscape

- Open Science: More pressure on researchers to manage and share their data ("reproducible research")
- Data continues to gain importance as academic "currency"
  - for individual researchers as data publication
  - for research organizations, who have come to regard data as an asset that has to be managed
- Public administration collecting statistical data is on its way to provide "open government data" for re-use
  - Strong and growing network of Research Data Centers in Germany (organized in the German Data Forum)
A changing landscape: Consequences (1)

- More data is shared, especially in the long tail
- Higher expectations regarding citability, accessibility, persistence of data
- Diverse stakeholder groups have an interest in the data as research output
  - Researchers
  - Research organizations
  - Funders
  - Scholarly journals and (commercial) publishers
  - Libraries and archives
A changing landscape: Consequences (2)

- New demands on data archives from different groups of stakeholders
  - Guidance on RDM and data sharing
  - Easy data sharing solutions that support persistent identification, access, and citation
  - Data sharing solutions for new data types and sensitive data
  - Services for linking of data and publications
  - Services and infrastructure for organizations who want to manage and showcase their own research data
New services for new challenges:
Examples from the GESIS Data Archive
SowiDataNet project

- Funded by the Leibniz Association from 2014-2017
- Project lead: GESIS
- Partners: ZBW, WZB, DIW Berlin

- Since January 2018 SowiDataNet is offered by GESIS in a public beta phase
- Will become part of the GESIS service portfolio in October 2018
SowiDataNet features

- Quality of data and documentation
  - Checklist for curators and two-step curation workflow
- Data discovery and citation
  - Metadata schema, controlled vocabularies
  - DOI-registration via da|ra
- Persistence
  - Guaranteed bitstream preservation for 25 years
- Branding
  - Integration into customer webpage
SowiDataNet – curation workflow

A General checklist
I. Technical check
II. License- and copyrights
III. Data protection

B Content-related checklist
I. Data complete and in scope
II. Quality, consistency of data processing
III. Quality and completeness of metadata and documentation
Benefits

- Possibility to start at an early stage of the data life cycle, e.g. for capture of the metadata
  - Traditionally the archiving happened at the end of the research project
  - Institutions may now integrate the workflow into their project processes

- Contractual obligation leads to increased stability and commitment (compared to a single researcher data deposit)
  - Both partners can foresee options for project archiving activities, and especially calculate the costs
SowiDataNet technology

- Based on DSpace 5.6
- Backend is a PostgreSQL database
- Provides OAI-PMH protocol to expose metadata
- Uses an interface for da|ra, the GESIS service for registering DOIs

http://sowidatanet.de/xmlui/
Welcome to SowiDataNet

SowiDataNet is a research data network for the social and economic sciences in Germany. Individual researchers as well as institutional facilities can use this service for the autonomous documentation, upload and publication of quantitative research data.

Search:
SowiDataNet

E-Mail Address: *

Password: *

Sign in

Register an account to subscribe to collections for email updates, and submit new items to DSpace.
**Title:**
My IASSIST data set on social scientists

**Other Title:**
What are the topics of interest?

**Subtitle:**

**Primary researcher:**
Name: Zenk-Möltgen, Wolfgang

**Institution:**
GESIS - Leibniz-Institut für Sozialwissenschaft

**Publisher:**
GESIS - Leibniz-Institute for the Social Sciences

**Publication Year:**
2018

**Availability:**
Free Access (without registration)

**Other Contributors:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Contributor Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name, first name</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Internal Comment for Basic Information:**
... Please fill in ...
SowiDataNet

Please describe your Research Project as a whole. Single Files can be documented in the Tab "Files".

* = Required fields

1. **Subject Area:**
   Training, Teaching and Studying, Professional Organizations of Sociology

2. **Topic Classification:**
   Social sciences keywords (Thesaurus TheSoz)

3. **TheSoz Keywords:**
   - environment
   - Plant Environment
   - Working environment
   - Learning environment
   - Human-environment relationship
   - Environment
   - Environmental officer
   - Environmental consulting
   - Environmental reporting
   - Environmental awareness
   - Environmental Protection Agency
   - Environmental education
   - Environmental science
   - Environmental factors
Please describe your Research Project as a whole. Single Files can be documented in the Tab "Files".

* = Required fields

1. **Subject Area:**
   - Training, Teaching and Studying, Professional Organizations of Sociology

2. **Topic Classification:**
   - Social sciences keywords (Thesaurus TheSoz)

3. **TheSoz Keywords:**
   - Learning environment

4. **Abstract:**
   - The project tries to evaluate important topics at the IASSIST conference for social scientists...

5. **Internal Comment on Content:**
   - The study is not yet completed...
The following fields are used for the methodical description of your project. If individual records differ, the "Files" tab allows you to differentiate the data for the individual records.

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<td>Geographical location - Region:</td>
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<td>Temporal research design</td>
<td>cross-section</td>
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<tr>
<td>Population</td>
<td>German adults</td>
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<tr>
<td>Selection Method</td>
<td>Probability Sample - Simple random Sample</td>
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<td>Surveying procedures</td>
<td>Interview</td>
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<tr>
<td>Survey period End</td>
<td>2018-05-31</td>
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</table>

Internal Comment on Methodology: 


SowiDataNet

Please describe your Research Project as a whole. Single Files can be documented in the Tab "Files".

* = Required fields

**Type of License:**
CC BY-NC-SA 4.0: Attribution - NonCommercial - ShareAlike

**Publications:**
- **Citation**: Linne, Monika, and Wolfgang Senk-Möltgen. 2017. "Strengthening institutional data management and..."
- **Publication ID**: http://dx.doi.org/10.18352/1q.10195

**Project/Data Notes:**
Interpret data with care...

**Internal Comment on the Further References:**

**Next**
Please describe your individual files.

**File:**

Durchsuchen... sdndata.sav

**File Name:**

sdndata.sav

**Type of File:**

Research Data

- Advanced methodological Data

**Version Number:**

1.0

**Version Date:**

2018-05-25

**Language:**

English / en

**Number of Variables:**

13

**Number of Units:**

254

**Unit Type:**

individual

If any other references have been used (e.g. acquisition of questionnaire concepts, other research data etc.) please enter these references here.
Please check your details before completing your entry.

Check the General Description

**Title:**
My IASSIST data set on social scientists

**Other Title:**
What are the topics of interest?; Untertitel

**Primary researcher:**
Zenk-Müllgen, Wolfgang (GESIS - Leibniz-Institut für Sozialwissenschaften)

**Publisher:**
GESIS - Leibniz-Institute for the Social Sciences

**Publication Year:**
2018

**Availability:**
Free Access (without registration)

Check the Content

**Subject Area:**
Training, Teaching and Studying, Professional Organizations of Sociology

**Topic Classification:**
Social sciences keywords (Thesaurus TheSoz)

**TheSoz Keywords:**
Learning environment

**Abstract:**
The project tries to evaluate important topics at the IASSIST conference for social scientists...
With SowiDataNet GESIS offers an online platform for the archiving, documentation and publishing of research data from projects of the social sciences. Researchers, projects or institutions can upload and describe their research data autonomously. Published data receive a persistent identification (DOI). After publishing the data documentation can be searched freely on the internet. The usage of the research data is governed by the access conditions chosen by the data provider.

1. By documenting a study project the data provider transfers GESIS the right of usage of research data sets and documents, especially
   - The right to systematically archive these data sets and documents and to convert these for the purpose of longterm archiving and publication. GESIS is free to use all relevant technical means, formats and methods.
   - Furthermore the right to make data sets and documents freely and longterm accessible within the scope of the Online-Services of GESIS.

2. The documentation of the research data and documents respectively projects (metadata) will be made accessible and searchable over the internet without a prior registration. It will be published analogous to the terms of use of the data catalogue of GESIS under the CC0-Lizenz.

3. Data and additional material are free of rights of third parties and all relevant regulations of data protection have to be complied with.

4. GESIS reserves the right to refuse the holding of data and further material entirely or in part or to remove already accepted data from its sites, if there are any doubts about the legal admissibility of archiving.

5. In general, the possibility of deletion of once uploaded data sets is not provided. The deletion is only possible for reasonable exceptions (e.g., faulty files, legal problems) after consultation with GESIS. Concerned projects will still be publicly referred to and the assigned DOI heads to the equivalent entry in SowiDataNet. This entry will be added with a note of withdrawal of the data.

6. The physical retention of all uploaded objects and metadata will be guaranteed for the period of operation of SowiDataNet, at least for ten years.

I accept the terms of use.
Your submission will now go through the review process for this collection. You will receive e-mail notification as soon as your submission has joined the collection, or if there is a problem with your submission. You may also check on the status of your submission by visiting your submissions page.

Go to the Submissions page
SowiDataNet

These are your completed submissions which are currently being reviewed by collection curators.

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<thead>
<tr>
<th>Title</th>
<th>Submitted</th>
<th>Curator</th>
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<td>Mr Curator2</td>
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<td>25.05.2018</td>
<td>-</td>
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SowiDataNet Curation Workflow

SowiDataNet

Search
New Submission
Further Information
Terms of Use

E-Mail Address: *

Password: *

Sign in

Register an account to subscribe to collections for email updates, and submit new items to DSpace.
SowiDataNet Curation Workflow

<table>
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<tr>
<th>Tasks you own</th>
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<td>My IASSIST data set on social scientists</td>
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## Licenses
CC BY-NC-SA 4.0: Attribution - NonCommercial - ShareAlike

## Notes
Interpret data with care...

## Publications

## Files in this item
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<tr>
<td></td>
<td>Language: English / en</td>
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<tr>
<td></td>
<td>Software and Version: SPSS 18</td>
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Actions you may perform on this task:

- Assign this task to yourself.
- Leave this task in the pool for another user to take.
SowiDataNet Curation Workflow

Files in this item

<table>
<thead>
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<tr>
<td></td>
<td>Software and Version: SPSS 18</td>
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</tbody>
</table>

Actions you may perform on this task:

- This item is a new publication with the default version of 1.0.0
- View Curator Checklist
- If you have reviewed the item and it is suitable for inclusion in the collection, select "Approve".
- If you have reviewed the item and found it is not suitable for inclusion in the collection, select "Reject". You will then be asked to enter a message indicating why the item is unsuitable, and whether the submitter should change something and resubmit.
- Select this option to change the item's metadata.
- Return the task to the pool so that another user may perform the task.
### Zusammenfassung der Qualitätsprüfung

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<tr>
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<td>Begleitdokumentation</td>
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**Abschließendes Fazit:**

- Sind die Datenqualität und die Qualität der Dokumentation ausreichend, um eine Nachnutzung zu ermöglichen?
  - Ja
  - Nein

- Sind die Datenqualität und die Qualität der Dokumentation ausreichend, um die Studie ins SowiDataNet Repositorium aufzunehmen?
  - Ja
  - Nein

**Abschließende Anmerkungen:**
Outlook

- Integration of datorium and SDN using Vaadin framework
  - Both services will run under a common user interface
  - Increased user-friendliness
  - More flexibility in the development of new functionality
- Planned to be available in autumn 2018
- Afterwards integration of all deposit services („single door solution“) within the Archive
Prototype of the Integrated Portal

Welcome to SowiDataNet

SowiDataNet is a research data network for the social and economic sciences in Germany. Individual researchers as well as institutional facilities can use this service for the autonomous documentation, upload and publication of quantitative research data.

Contact

SowiDataNet Team
GESIS Data Archive for the Social Sciences
Tel.: +49(221)-47694-417
E-Mail
Prototype of the Integrated Portal

Submit

Please log in to submit a resource

Username:
submitter1@gesis.org

Password:

Login

Remember me

Forgot your password?

Create new account here.
Prototype of the Integrated Portal

Enter your resource

Enter your resource and add files. If you prefer, you can save your submission as a draft and continue working on it later. Drafts are stored under "My submission".

**Basic Information**

- **Title**: The Integrated sowidatnet dataset for IASSIST 2018
- **Primary Researcher**: Zenk-Möltgen, Wolfgang

**Publisher**

- German Institute for Economic Research
- German National Library of Economics
- GESIS - Leibniz-Institute für Sozialwiss
- WZB Berlin Social Science Center
- Other

*Title of the work in the original language
Use standard capitalization: "The title of the work" rather than "The Title of the Work"
Prototype of the Integrated Portal
Thank you for your attention.

http://sowidatanet.de/xmlui/