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# **Dataverse in Germany: Research Data Management at Heidelberg University**

**2. Dataverse Community Meeting  
July 11 – 13, 2016  
Harvard Medical School**

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<http://data.uni-heidelberg.de/>



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← Heidelberg University Dataverse

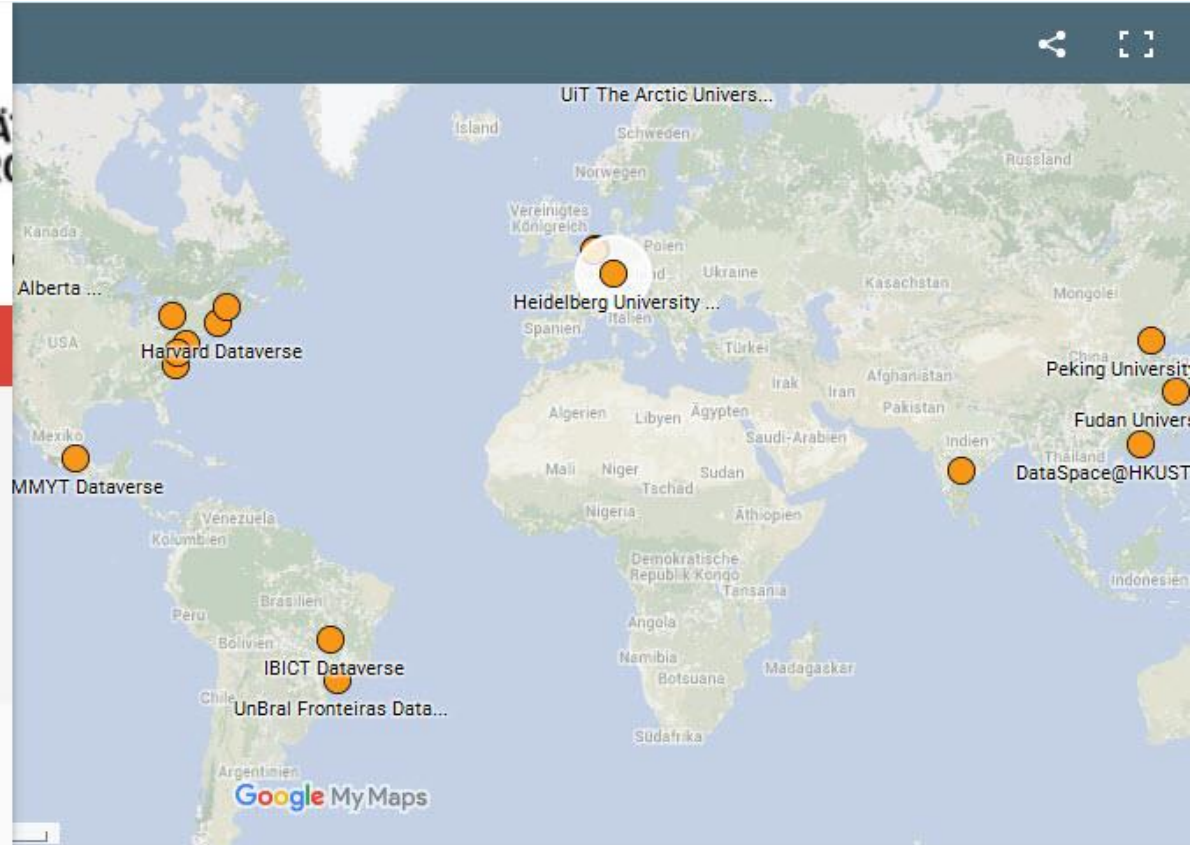
name

Heidelberg University Dataverse

description

<https://heidata.uni-heidelberg.de/dvn/>

Open for Heidelberg University  
affiliated researchers to deposit data.



# Competence Centre for Research Data at Heidelberg University



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## Project Planning

- Data Management Plans
- Courses & workshops
- Technical, organizational & legal information



## Data processing

- heiBOX
- High Performance Computing
- heiCLOUD



## Data Archiving & Publication

- heiDATA
- heidICON
- Community-Specific Data Portals (under construction)

Pictures: © Universität Heidelberg, Kommunikation und Marketing



## heiDATA Dataverse Network

Search icons: magnifying glass, document, speech bubble. [Create Account](#) [Log In](#)

[Advanced Search](#) [Tips](#)

heiDATA is an institutional repository for research data of Heidelberg University. It is managed by the [Competence Centre for Research Data](#), a joint institution of the [University Library](#) and the [Computing Centre](#). If you are interested in publishing your data here, please see our [author instructions](#) and get in touch with us.

## Dataverses

18 Dataverses

**i** A **Dataverse** is a container for research data studies, customized and managed by its owner.

### BROWSE DATAVERSES BY SUBJECT

- Geography and history (7)
- Religion (1)
- Language (2)
- Social Sciences (3)
- Natural sciences & mathematics (3)
- Medical Sciences & Medicine (1)
- Philosophy and psychology (1)
- Generalities (5)

### BROWSE DATAVERSES BY ORGANIZATIONAL UNIT

- Interdisciplinary Center for Scientific Computing (1)
- Faculty of Mathematics and Computer Science (1)
- Faculty of Economics and Social Sciences (2)
- University Library (1)
- Faculty of Chemistry and Earth Sciences (1)
- Faculty of Modern Languages (1)
- Faculty of Physics and Astronomy (2)

## Studies

62 Studies, 479 Files, 1,884 Downloads

**i** A **study** is a container for a research data set. It includes cataloging information, data files and complementary files.

### RECENTLY RELEASED STUDIES

- Protein abundance control by non-coding antisense transcription [Dataset] by Huber, Florian; Bunina, Daria; Gupta, Ishaan; Khmelinski, Anton; Meurer, Matthias; Theer, Patrick; Steinmetz, Lars M.; Knop, Michael Jun 10, 2016
- From imitation to collusion: a replication [Dataset] by Oechssler, Jörg; Roomets, Alex; Roth, Stefan May 30, 2016
- Understanding Bank-Run Contagion [Dataset] by Trautmann, Stefan; Brown, Martin; Vlahu, Razvan May 3, 2016
- Appendix zur Dissertation "Filmische Bestattungen im Spiegel des Diskurses um den „Guten Tod“ - Eine gegenstandsbezogene Programmatik für eine religionswissenschaftliche Filmanalyse: Motivcluster der Bestattungslandschaft im Spielfilm" by Pattathu, Antony George Apr 11, 2016
- Group Size and the (In)Efficiency of Pure Public Good Provision [Dataset] by Diederich, Johannes; Goeschl, Timo; Waichman, Israel Mar 16, 2016

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KOMPETENZZENTRUM  
FORSCHUNGSDATEN



POWERED BY THE **Dataverse Network** PROJECT  
v. 3.6.2

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- Dataverse-based institutional research data repository
- Multidisciplinary content, e.g. biophysical simulation data, survey data public health, statistical data from experimental economics, text corpora from computational linguistics, archeological excavation data...
- Indexed in Thomson Reuter's Data Citation Index
- We run Dataverse 3.6.2 but will migrate soon

### BROWSE DATAVERSES BY ORGANIZATIONAL UNIT

Interdisciplinary Center for Scientific Computing (1)	
Faculty of Mathematics and Computer Science (1)	▼
Faculty of Economics and Social Sciences (2)	▼
University Library (1)	
Faculty of Chemistry and Earth Sciences (1)	
Faculty of Modern Languages (1)	▼
Faculty of Physics and Astronomy (2)	▼

Appendix zur Dissertation "Filmische Bestattungen im Spiegel des Diskurses um den „Guten Tod“ - Eine gegenstandsbezogene Programmatik für eine religionswissenschaftliche Filmanalyse: Motivcluster der Bestattungslandschaft im Spielfilm" by Pattathu, Antony George	Apr 11, 2016
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## heiDATA

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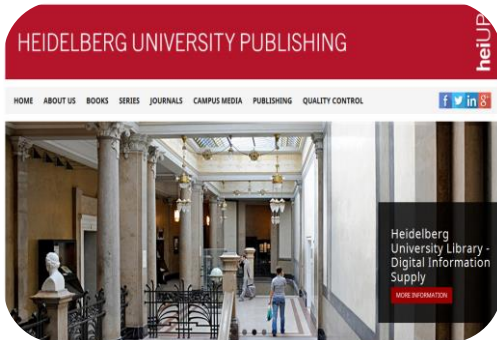
- Currently small data sets (< 2 GB), but requests for publication of potentially large amounts of data (ca. 25 TB/a)
- Curated data ingest for publication and long-term preservation
  - Data ingest not directly by researchers but mediated by us
  - Enhancing documentation and metadata
  - File formats: Advice on suitable formats, validation checks (Droid, JHOVE), conversion (e.g. Coral Draw → SVG or xsl → xslx → csv,...), archiving of format documentations
- Combination with our OMP-based & OJS-based open access publishing services: Heidelberg University Publishing plus several publication platforms for journals and ebooks as well as repositories



# Open Access Publishing at Heidelberg University

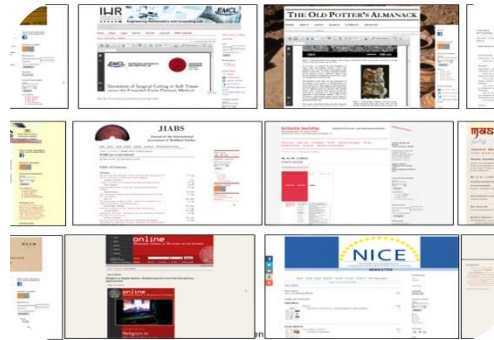


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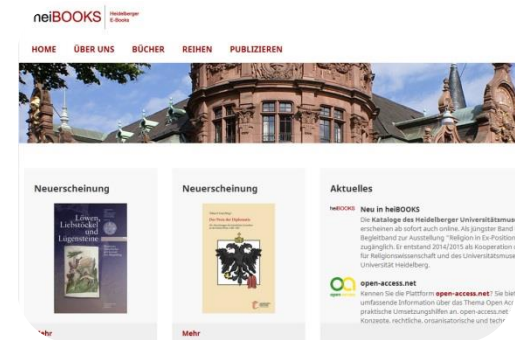
## Heidelberg University Publishing

- OA ebooks & journals, peer review, typesetting, copy editing, pdf, html, PoD



## heiJOURNALS

- Hosting of ca. 70 OJS journals



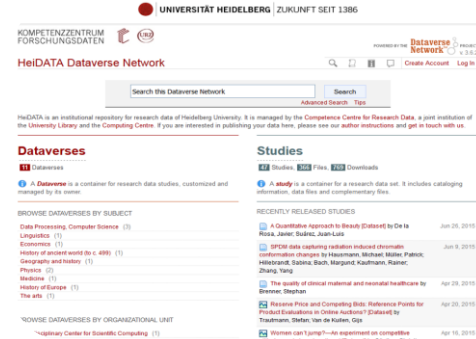
## heiBOOKS

- OMP based platform for Open Access ebooks



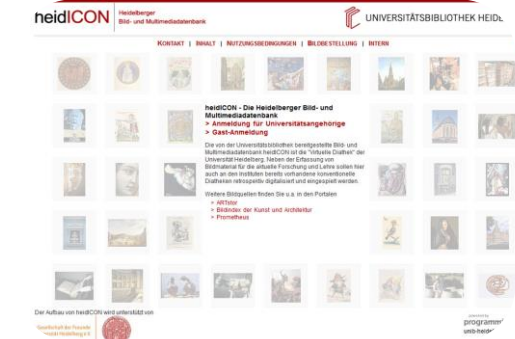
## heiDOK

- Institutional repository with over 18,000 documents



## heiDATA

- Research data repository



## heidICON

- Image & multimedia archive containing over 430,000 objects

# Where to go?



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Picture: [Feuermond16 \(Eigenes Werk\) \[CC-BY-SA-3.0\]](#), via [Wikimedia Commons](#)



# Where to go?



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## Aims, next steps and open question

- Supporting the culture change towards data sharing & open science
- Current project to develop tailor-made solutions for individual data presentation portals
- Development of valid solutions for long-term preservation. iRODS and Archivmatica based system under construction
- Cost models for large data volumes (which fit the university's organizational structure)
- The future of generic institutional RDM infrastructures? We do understand our technical systems as transition systems which might be transferred in either subject-specific or general (inter-)national systems. But the Competence Centre will stay as counselling and support institution at the university.



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# Thank you very much!

## Question? Comments? Please get in touch.

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