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Digital Curation of Research Data

Experiences of a Baseline Study in Germany

Chapter 8 Abbreviations

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Digital Curation of Research Data

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vwh

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Digital Curation of Research Data

Herausgegeben von Heike Neuroth, Stefan Strathmann, Achim Oßwald und Jens Ludwig · im Rahmen des Kooperationsverbundes nestor – Kompetenznetzwerk Langzeitarchivierung und Langzeitverfügbarkeit digitaler Ressourcen für Deutschland · <http://www.langzeitarchivierung.de/>

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Abbreviations

ANDS	Australian National Data Service
APARSEN	Alliance Permanent Access to the Records of Science in Europe Network
ARDC	Australian Research Data Commons
AWBI	DFG Committee on Scientific Libraries and Information Systems (Ausschuss für Wissenschaftliche Bibliotheken und Informationssysteme)
BBAW	Berlin-Brandenburg Academy of Sciences and Humanities (Berlin-Brandenburgische Akademie der Wissenschaften)
BMBF	German Federal Ministry for Education and Research (Bundesministerium für Bildung und Forschung)
CRL	Center for Research Libraries
DCC	Digital Curation Centre
DEFF	Denmark's Electronic Research Library
DFG	German Research Foundation (Deutsche Forschungsgemeinschaft)
D-GRID	German Grid Initiative
DIMDI	German Institute for Medical Documentation and Information (Deutsches Institut für Medizinische Dokumentation und Information)
DIPF	German Institute for International Educational Research (Deutsches Institut für Internationale Pädagogische Forschung)
DKRZ	German Climate Computing Center (Deutsches Klimarechenzentrum)
DMP	Data Management Plan
DNB	German National Library (Deutsche Nationalbibliothek)
DOI	Digital Object Identifier
EIF	Education Investment Fund

EPIC	European Persistent Identifier Consortium
ESFRI	European Strategy Forum on Research Infrastructures
ESSD	Earth System Science Data
EU	European Union
GESIS	Leibniz Institute for the Social Sciences (Leibniz-Institut für Sozialwissenschaften)
GWDG	Göttingen Society for Scientific Data Processing (Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen [GWDG])
GWK	Joint Science Conference (Gemeinsame Wissenschaftskonferenz des Bundes und der Länder)
HGF	Helmholtz Foundation
HRK	German Rectors' Conference (Hochschulrektorenkonferenz)
ISCU	International Council for Science
JISC	Joint Information Systems Committee
KE	Knowledge Exchange
KII	Commission on the Future of Information Infrastructure (Kommission Zukunft der Informationsinfrastruktur)
KRDS	Keeping Research Data Safe
LHC	Large Hadron Collider
MPDL	Max Planck Digital Library
MPI PL	Max Planck Institute for Psycholinguistics (Max-Planck-Institut für Psycholinguistik)
NASA	National Aeronautics and Space Administration
NCRIS	National Collaborative Research Infrastructure Strategy
NSF	National Science Foundation
OAI-PMH	Open Archives Initiative Protocol for Metadata Harvesting
OAIS	Open Archival Information System
OCLC	Online Computer Library Center
OECD	Organisation for Economic Co-Operation and Development

PI	Persisent Identifier
PID	Preimplantation Diagnostics
RDA	Research Data Alliance
SCICOLL	Scientific Collections International
SFB	DFG Collaborative Research Centres (Sonderforschungsbereiche)
SUB	Göttingen State and University Library (Niedersächsische Staats- und Universitätsbibliothek Göttingen)
SURF	SURFfoundation
TELOTA	The Electronic Life of the Academy
TIB	German National Library of Science and Technology (Technische Informationsbibliothek Hannover)
TU	Technical University Dortmund
UNESCO	United Nations Educational, Scientific and Cultural Organiza- tion
URI	Uniform Resource Identifier
URN	Uniform Resource Name
USA	United States of America
WDC-RSAT	World Data Center for Remote Sensing of the Atmosphere
WHO	World Health Organization
WR	German Council of Science and Humanities (Wissenschaftsrat)
ZBMed	German National Library of Medicine (Deutsche Zentralbibliothek für Medizin)
ZBW	Leibniz Information Center for Economics (Deutsche Zentralbibliothek für Wirtschaftswissenschaften)
ZPID	Leibniz Centre for Psychological Information and Documen- tation (Leibniz-Zentrum für Psychologische Information und Dokumentation)

The relevance of research data today and for the future is well documented and discussed, in Germany as well as internationally. Ensuring that research data are accessible, sharable, and re-usable over time is increasingly becoming an essential task for researchers and research infrastructure institutions. Some reasons for this development include the following:

- research data are documented and could therefore be validated
- research data could be the basis for new research questions
- research data could be re-analyzed by using innovative digital methods
- research data could be used by other disciplines

Therefore, it is essential that research data are curated, which means they are kept accessible and interpretable over time.

In Germany, a baseline study was undertaken analyzing the situation in eleven research disciplines in 2012. The results were then published in a German-language edition.

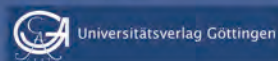
To address an international audience, the German-language edition of the study has been translated and abridged. The present publication provides a summary of the preconditions, results, and conclusions of the baseline study “Langzeitarchivierung von Forschungsdaten – Eine Bestandsaufnahme”.

The editors of this edition hope that this publication will contribute to further discussion and increased awareness of this topic, resulting in expanded measures to improve the framework and the conditions for the digital curation of research data.

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