

SUB

NIEDERSÄCHSISCHE STAATS- UND
UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN

Data Libraries



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

Overview

- I. A brief history of data (and libraries)
- II. Current trends and developments
- III. Some examples
- IV. Conclusion

The Hats I Wear Today

- University of Göttingen (Germany), University Librarian
- Göttingen eResearch Alliance, Co-Director
- LIBER, European Library Association, Executive Board
 - Also SC Scholarly Communication and Research Infrastructure (Chair)
- Research Data Alliance, RDA EUROPE, Advisory Board
- Credits; work I will show
 - University of Oxford, Bodleian Librarians (ex Associate Director)
 - University of Bielefeld (ex Chief Information Officer)

I. A BRIEF HISTORY OF DATA (AND LIBRARIES)

Research data is highly context-specific.



Research data is highly context-specific.



What do I mean when I say “Library”?



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What do I mean when I say “Library”?



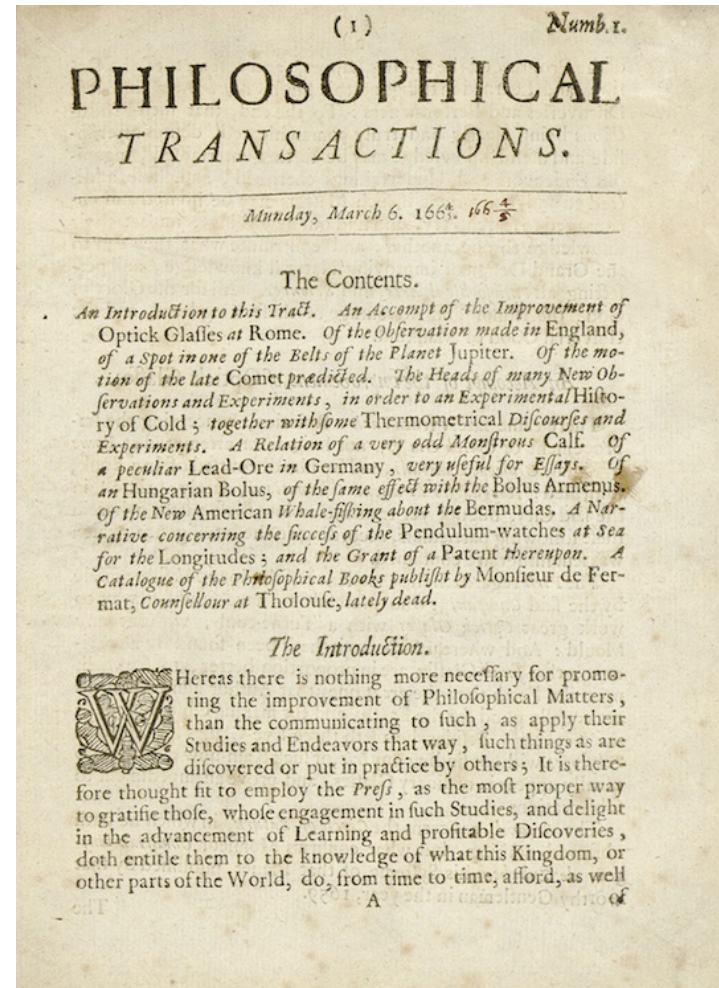
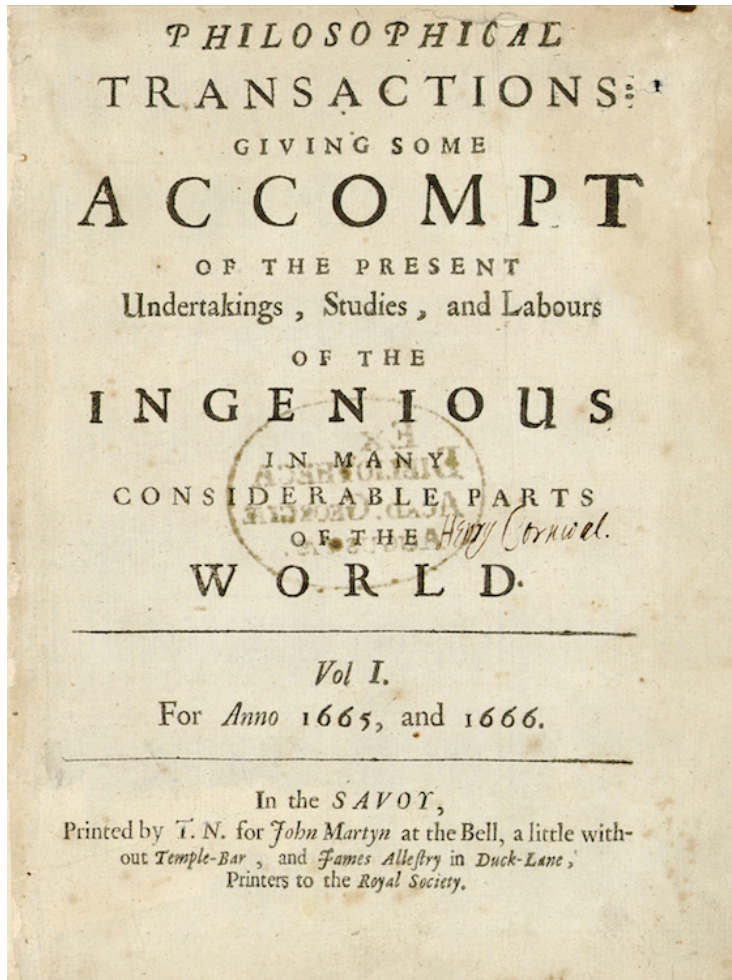
What do I mean when I say “Library”?



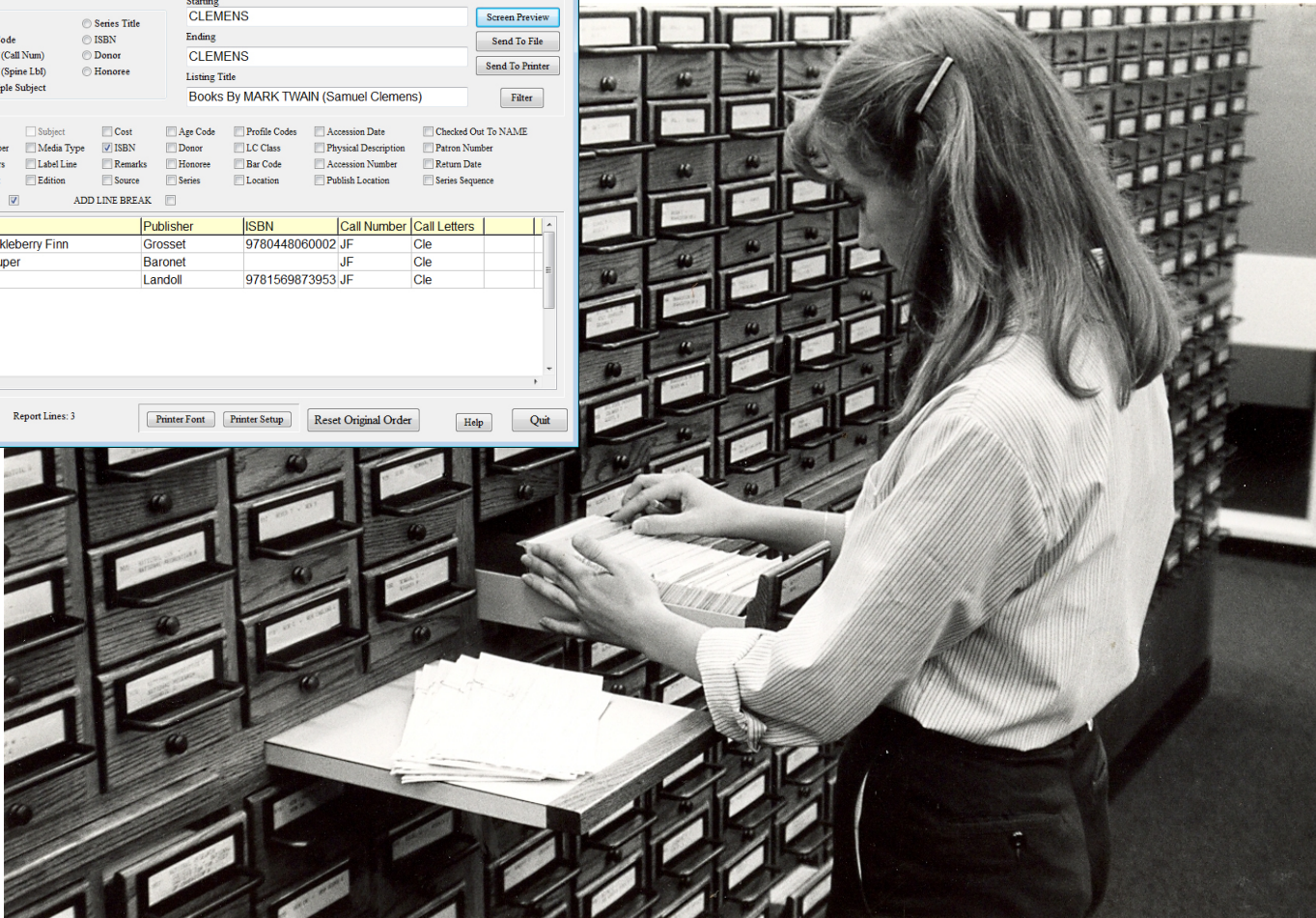
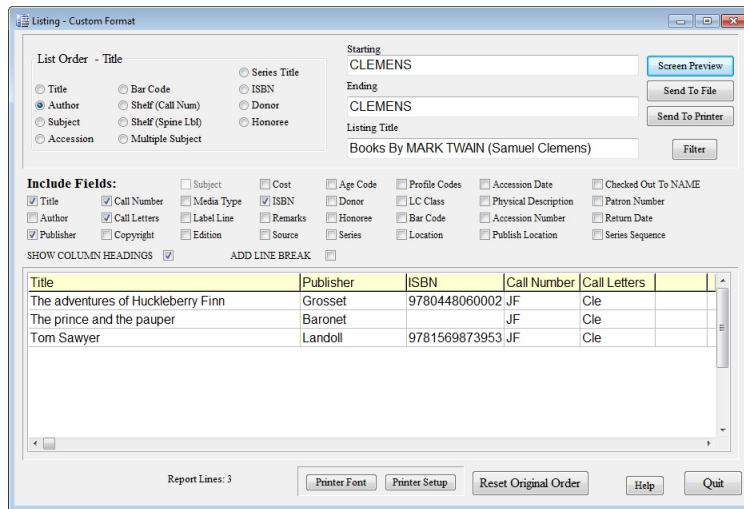
What do I mean when I say “Library”?



The Separation of Libraries and Data through Labs



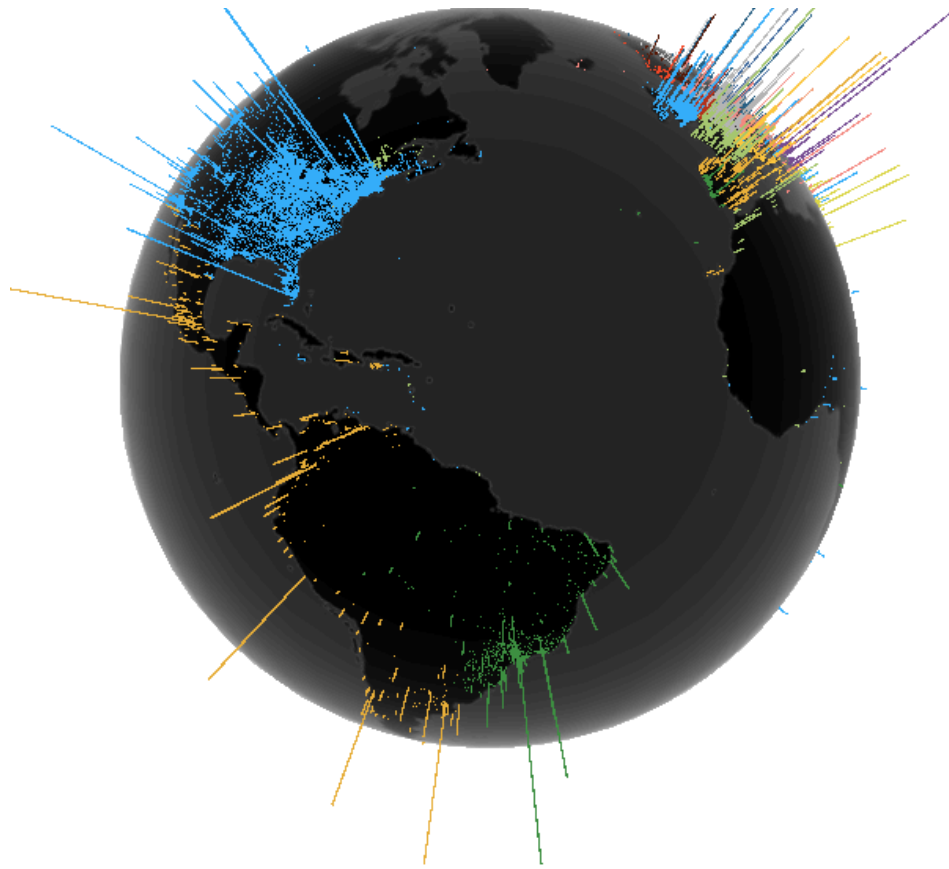
The library as a data powerhouse



The library as a data powerhouse



The library as a data powerhouse



The library as a data powerhouse



Professor Dr. Jochen J. Steil

[jstell \[at\] CoR-Lab.uni-bielefeld.de](mailto:jstell[at]CoR-Lab.uni-bielefeld.de)

[View in Directory of Staff and Departments](#)

[PUB Login](#)

Your Marked Publications **0**

Publications

Data Publications [Mark all](#)

- [139] [2015 | Journal Article | PUB-ID: 2698824](#) [Mark](#)
Efficient Policy Search in Low-dimensional Embedding Spaces by Generalizing Motion Primitives with a Parameterized Skill Memory
Reinhart F, Steil JJ (In Press)
Autonomous Robots .
PUB
- [138] [2014 | Conference Proceeding / Paper | PUB-ID: 2685048](#) [Mark](#)
Model-free Path Planning for Redundant Robots using Sparse Data from Kinesthetic

Search Publications

Filter Publications

▼ **Publication Type (6)**

The library transcended its 'body'



The library transcended its 'soul'

The GNU C Library - Top

[Node](#) [Top](#) [Next](#) [Introduction](#) [Prev](#) [Index](#) [Up](#) [Main](#)

Main Menu

This is Edition 0.06 DRAFT, last updated 24 October 1994, of *The GNU C Library Reference Manual*, for Version 1.00 Beta of the GNU C Library.

[Introduction](#)

Purpose of the GNU C Library.

[Error Reporting](#)

How the GNU Library functions report error conditions.

[Memory Allocation](#)

Your program can allocate memory dynamically and manipulate it via pointers.

[Character Handling](#)

Character testing and conversion functions.

[String and Array Utilities](#)

Utilities for copying and comparing strings and arrays.

[Extended Characters](#)

Support for extended character sets.

[Locales](#)

The country and language can affect the behavior of library functions.

[Searching and Sorting](#)

General searching and sorting functions.

[Pattern Matching](#)

Matching wildcards and regular expressions, and shell style "word expansion".

[I/O Overview](#)

Introduction to the I/O facilities.

[Streams](#)

High-level, portable I/O facilities.

[Low-Level I/O](#)

Low-level, less portable I/O.

[File System Interface](#)

Functions for manipulating files.

[Pipes and FIFOs](#)

A simple interprocess communication mechanism.

[Sockets](#)

A more complicated interprocess communication.

The ambivalence of the “Digital Library”



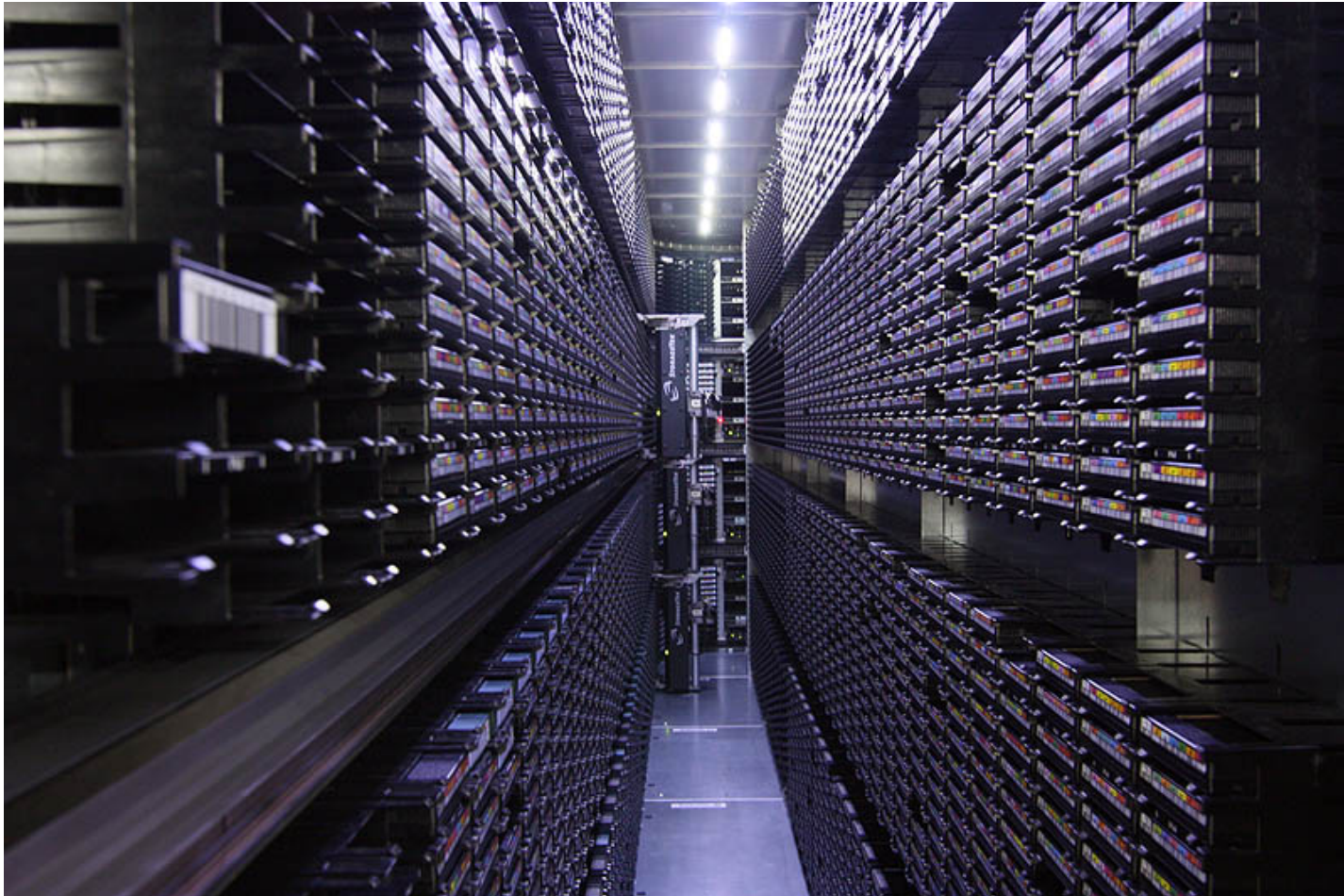
The ambivalence of the “Digital Library”

#preserving #linking #using #sharing

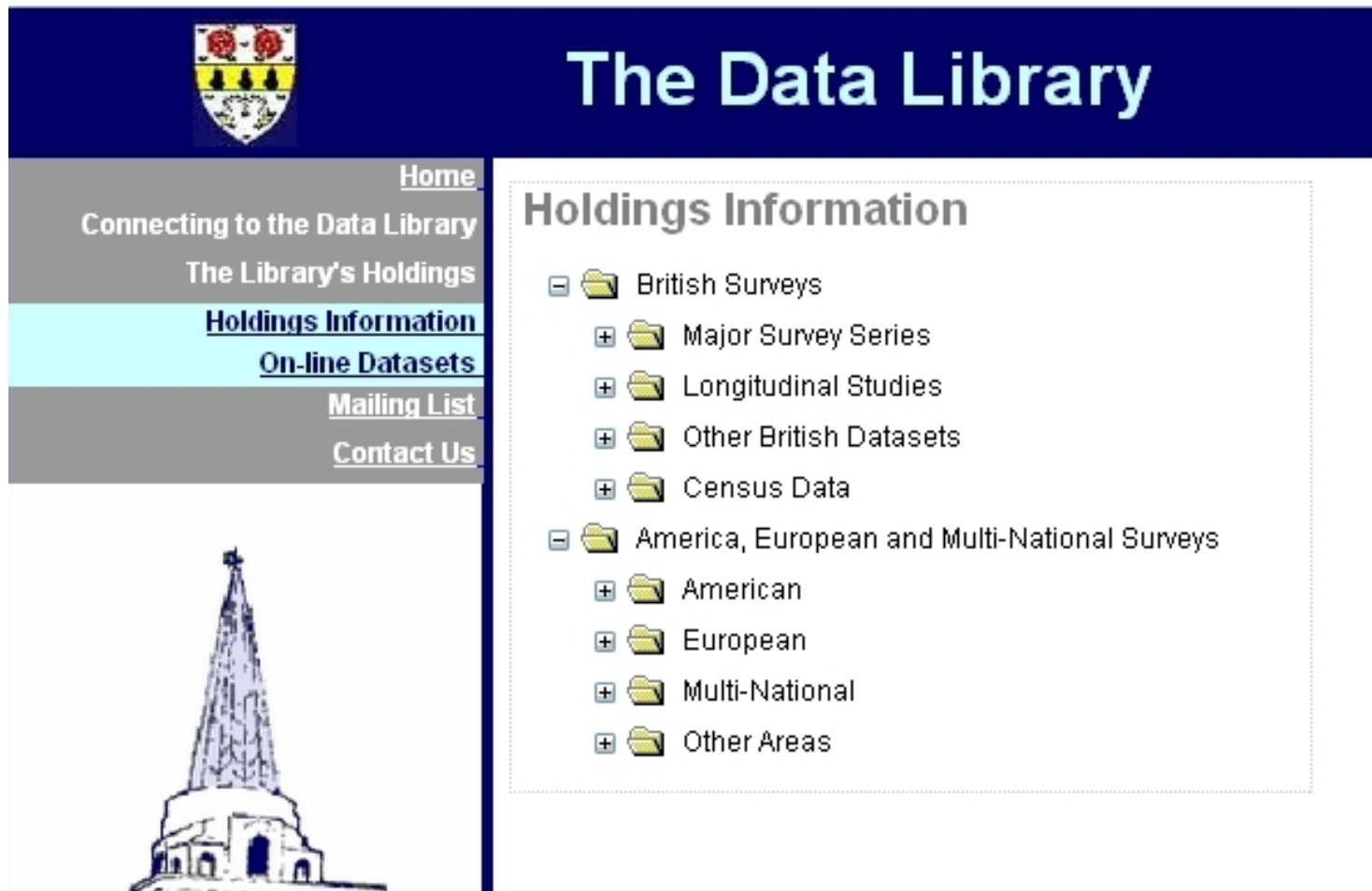
JCDL 2012

ACM/IEEE - CS Joint Conference
on Digital Libraries

Research data libraries are manifold



Research data libraries are manifold













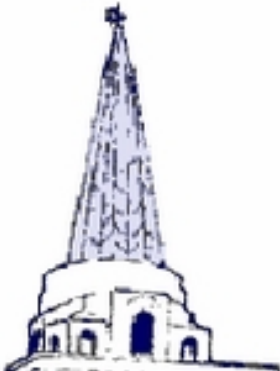
The image shows a screenshot of the 'The Data Library' website. The header is dark blue with a crest on the left and the title 'The Data Library' in white. A navigation menu on the left includes 'Home', 'Connecting to the Data Library', 'The Library's Holdings', 'Holdings Information' (highlighted in light blue), 'On-line Datasets', 'Mailing List', and 'Contact Us'. The main content area, titled 'Holdings Information', lists two main categories: 'British Surveys' and 'America, European and Multi-National Surveys'. Each category has a sub-menu with folder icons and plus signs.

The Data Library

- [Home](#)
- [Connecting to the Data Library](#)
- [The Library's Holdings](#)
- [Holdings Information](#)**
- [On-line Datasets](#)
- [Mailing List](#)
- [Contact Us](#)

Holdings Information

- [-]  British Surveys
 - [+]  Major Survey Series
 - [+]  Longitudinal Studies
 - [+]  Other British Datasets
 - [+]  Census Data
- [-]  America, European and Multi-National Surveys
 - [+]  American
 - [+]  European
 - [+]  Multi-National
 - [+]  Other Areas



Historical Challenge for Data

Research literature and research data need to be linked to stay a meaningful record of research

...

Libraries and data services need to provide durable business relations or consolidate

II. CURRENT TRENDS & DEVELOPMENTS

Brave New World of Research Data



Nucleic Acids Research



arXiv.org

SCIENTIFIC DATA



Quick Sharing of Data Based Results



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manage your research in the cloud and control who you share it with
or make it publicly available and citable

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The background figure: [Air photo of the Kameni islands, Santorini, Greece](#) by [David Pyle](#) in [Geology](#)

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Publishing Data



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Data Publishing Charges to help sustain open data at Dryad

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[How and why?](#)

Search for data

[Go](#)

[Advanced search](#)

Browse for data

Recently published

Popular

By Author

By Journal

Recently Published Data

Ropars J, López-Villavicencio M, Dupont J, Snirc A, Gillot G, Coton M, Jany J, Coton E, Giraud T (2014) Data from: Induction of sexual reproduction and genetic diversity in the cheese fungus *Penicillium roqueforti*. *Evolutionary Applications*
[doi:10.5061/dryad.t53k5](https://doi.org/10.5061/dryad.t53k5)

Peters KJ, Ophelkeller K, Bott NJ, Deagle BE, Jarman SN, Goldsworthy SD (2014) Data


Be part of Dryad



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Writing a Data Paper

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Latest News, 10 March: Two pre-launch Data Descriptors published!

Please note our full publication platform will be available in May 2014 with additional features

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Submit online and get the credit you deserve for your data!

Get credit where credit's due and share your data.

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is accepting
submissions

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Scientific Data Updates

[Scientific Data's metadata specification](#)
January 8, 2014

[New Advisory and Editorial Board pages](#)
December 19, 2013

[Metadata associated with Data Descriptor articles to be released under CC0 waiver](#)
December 9, 2013

[Scientific Data calls for submissions](#)
October 8, 2013

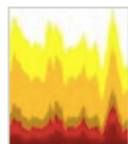
[Can you help us with our publication layout?](#)
October 4, 2013

Pre-launch Data Descriptors



The systematic identification of cytoskeletal genes required for *Drosophila melanogaster* muscle maintenance

Alexander D. Perkins, Michael J.J. Lee &



Global integrated drought monitoring and prediction system

Zengchao Hao, Amir AghaKouchak, Navid Nakhjiri & Alireza Farahmand. 11 March 2014

Funder Policies – Many!

● Full Coverage
 ◐ Partial Coverage
 ○ No Coverage



Research Funders	Policy Coverage		Policy Stipulations					Support Provided			
	Published outputs	Data	Time limits	Data plan	Access/sharing	Long-term curation	Monitoring	Guidance	Repository	Data centre	Costs
AHRC	●	●	●	●	●	◐	○	●	○	◐	◐
BBSRC	●	●	●	●	●	●	●	●	●	◐	●
CRUK	●	●	●	●	●	●	●	◐	●	○	○
EPSRC	●	●	●	◐	●	●	●	◐	○	○	●
ESRC	●	●	●	●	●	●	●	●	●	●	◐
MRC	●	●	●	●	●	●	○	◐	●	○	◐
NERC	●	●	●	●	●	●	●	●	●	●	◐
STFC	●	●	●	●	●	●	●	◐	●	◐	◐
Wellcome Trust	●	●	●	●	●	●	●	●	●	◐	●

LIBER – European Library Association



Ten recommendations for libraries to get started with research data management

Final report of the LIBER working group on E-Science / Research Data Management

Research Data Alliance

- An international forum for all stakeholders in research data
- Organized in Interest Groups and Working Groups
- Libraries active in many contexts: massive BoF participation
- „Small Data“ as a specific challenge: The „Long Tail“ of Research Data



LERU – League of European Research Universities



ADVICE PAPER
No.14 - DECEMBER 2013

LERU ROADMAP FOR RESEARCH DATA

European Policy



PRESS RELEASE

Brussels, 17 July 2012

Scientific data: open access to research results will boost Europe's innovation capacity

The European Commission today outlined measures to improve access to scientific information produced in Europe. Broader and more rapid access to

- define open access to peer-reviewed publications as the general principle in Horizon 2020, either through open access publishing ('Gold' open access) or self-archiving ('Green' open access)
- promote open access to research data (experimental results, observations and computer-generated information etc.) and set a pilot framework in Horizon 2020, taking into account legitimate concerns in relation to privacy, commercial interests and questions related to large data volumes
- develop and support e-infrastructures to host and share scientific information (publications and data) which are interoperable on European and global level

open access to research data

Research Area (ERA). The [Communication and Recommendation on scientific information](#) complement a [Communication on 'A reinforced European Research Area partnership for excellence and growth'](#), also being adopted today, which sets out key priorities for completing the European Research Area, including the optimal circulation, access to and transfer of scientific knowledge.

The European Commission will continue to fund projects related to open access. In 2012-2013, the Commission will spend €45 million on data infrastructures and research on digital preservation. Funding will continue under the Horizon 2020 programme. During the same period, the Commission will support experimentation with new ways of handling scientific information (e.g. new peer-review methods and ways of measuring article impact).

See also [MEMO/12/565](#)



International Policy



- Share information on national research infrastructure priorities and prioritization processes; identify areas of potential benefit that could be achieved through sharing of best practices.
- Create a representative list of GRIs open to global cooperation of interest to new partners.

We invite the GSO to report in 2015 on their progress.

3. Open Scientific Research Data

Open enquiry is at the heart of scientific endeavour, and rapid technological change has profound implications for the way that science is both conducted and its results communicated. It can provide society with the necessary information to solve global challenges. We are committed to openness in scientific research data to speed up the progress of scientific discovery, create innovation, ensure that the results of scientific research are as widely available as practical, enable transparency in science and engage the public. We will develop the set of principles for open research data to support further discussions.

- To the greatest extent possible, we will ensure that publicly funded scientific research data is open to all, subject to the legitimate concerns in relation to privacy, safety, security and commercial interests, whilst acknowledging the legitimate concerns of private partners.

publicly funded

Part A: BIELEFELD

III. SOME EXAMPLES

Central RDM Activities

- Research Data Policy: “Principles”
- Coordination post funded by the University
- Focus group with leading academics
- [Colloquium](#) Knowledge Infrastructure
- Library in close cooperation with IT
 - Library provides curation and metadata support
 - IT Services provide servers and storage

Centrally Supported RDM activity

- Data-Service Centre “Business and Organisational Data”
- Infrastructure for Collaborative Research Project (50PIs, 12 Years)
“From Heterogeneity to Inequality”
- Excellence Cluster “Cognitive Interaction Robotics” (100PIs, 10 years)
- Library Services: metadata, DOIs, software, calendars, websites...
- Storage and housing in IT Services

Open Research

[Sign in](#)
[Home](#) [Projects](#) [Help](#)

Research for Cognitive Interaction

Projects

[View all issues](#) | [Overall spent time](#) | [Overall activity](#)

3D Indoor Scenes Database

Articulated Scene Model

The software implements a state-of-the-art algorithm for three dimensional scene segmentation. The algorithm intends to build up a robust static background model of the scene and extracts moveable and highly dynamic objects in the foreground. For system integration the package also includes application nodes for middleware connection and grabbing/visualization purposes....

BielefeldTypeLibrary

BTL – The Bielefeld Type Library (BTL)

The Bielefeld Type Library (BTL) is a collection of XML-based data descriptions that are exchanged between components (e.g. Icewing) or systems (e.g. BIRON/ToBI). It provides functionality for parsing/creating data objects and is currently available in C++/Java. For more detailed info please refer to the wiki....

Bonsai

Bielefeld Sensor and Actuator Interface

BonSAI is a robot behavior abstraction layer written in Java. It aims to provide a simple interface to various functions of a robotic system and can define behaviors and skills according to these functions....

CITEC Gentoo Portage Overlay

This is a repository of gentoo ebuilds mostly of software packages developed within the University of Bielefeld (CITEC/CoR-Lab) but also of open source software from third parties. You may use this overlay, please do not hesitate to file bugs. Be aware to use this overlay at your own risk. ...

emblued

Projects

 View closed projects



Joint Publications of Subject Specialists and Library Staff



Uni Bielefeld » Faculty of Sociology » SFB 882 » Projects » Project INF

Navigation

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Programme
Project Areas
Projects
Project A1
Project A2
Project A3
Project A4
Project A5
Project A6
Project B1
Project B2
Project B3
Project B4
Project B5
Project C1

Project INF

Information and Data Infrastructure

People Summary Publications

- Friedhoff, Stefan, Meier zu Verl, Christian, Pietsch, Christian, Meyer, Christian, Vompras, Johanna, & Liebig, Stefan (2013): *Social Research Data: Documentation, Management, and Technical Implementation within the SFB 882*. (SFB 882 Working Paper Series 16). DFG Research Center (SFB) 882 From Heterogeneities to Inequalities, Bielefeld. [PUB](#) | [PDF](#) | [URL](#)
- Friedhoff, Stefan, Meier zu Verl, Christian, Pietsch, Christian, Meyer, Christian, Vompras, Johanna, & Liebig, Stefan (2013): *Replicability and Comprehensibility of Social Research and its Technical Implementation*. (RatSWD Working Paper Series 219). SCIVERO Press, Berlin. [PUB](#) | [URL](#)
- Meier zu Verl, Christian (2013): Der praktische Charakter wissenschaftlicher Theorien. Bericht von der GWTF-Jahrestagung. *Technikfolgenabschatzung - Theorie und Praxis*, 22(1), 106–108 [PUB](#) | [URL](#)
- Kramer, Stefan, Leahey, Amber, Southall, Humphrey, Vompras, Johanna, & Wackerow, Joachim (2012): *Using RDF to Describe and Link Social Science Data to Related Resources on the Web*. (German Council for Social and Economic Data (RatSWD) Working Paper Series . German

News

- Besuch aus New York: Prof. Dr. Dalton Conley zu Gast im SFB 882
17.06.2013
- Neue Gastwissenschaftlerin im SFB 882: Prof. Dr. Elke Winter, University of Ottawa
10.06.2013
- Vortrag von Prof. Dr. Hans-Ulrich Wehler zum Thema "Soziale Ungleichheit in Deutschland"
18.04.2013

all news

Recent Publications

- Bilecen, Basak (2013): *Analyzing Informal Social Protection Across Borders: Synthesizing Social Network Analysis with Qualitative Interviews*
- Schunck, Reinhard (2013): *Within and between* ..

Inhalte

- Studien-Navigation
- Verknüpfte Personen-Betriebsdaten im Anschluss an den ALLBUS
 - ALLBUS 2008
 - ALLBUS Betriebsbefragung 2009**
- Beschäftigungsverhältnisse als sozialer Tausch
 - BEATA Betriebsfallstudie
 - BEATA Beschäftigten-Befragung
 - BEATA Partner und Partnerinnen-Befragung
- Betrieb und Beschäftigung im Wandel: Betriebliche Beschäftigung:
 - SFB580-B2 Betriebspanel Welle 1
 - SFB580-B2 Betriebspanel Welle 2
 - SFB580-B2 Betriebspanel Welle 3
- Entwicklung und Validierung eines Diagnosewerkzeugs zur Erfas:
 - InnoKenn Experteninterviews
 - InnoKenn Fallstudien
 - InnoKenn Workshops
- Demografischer Wandel und der Arbeitsmarkt des öffentlichen Se
 - SFB580-B8 Intermediäre
 - SFB580-B8 kommunaler Vertreter
 - SFB580-B8 schulische Entscheidungsträger
- A balanced approach to understanding the shaping of human resc
- Abhängige Selbständigkeit in der Versicherungswirtschaft - Neue
- AEVO Betriebs- und Kammerbefragung 2007
- Affective Complementarity in Service Encounters
- Aging Workforce Management in der Automobilindustrie. Definitior
- Suche nach Studien

Kurzbeschreibung	Der inhaltliche Fokus der Betriebsbefragung lag auf Sozialer Ungleichheit innerhalb von Betrieben. S Allgemeine Betriebsstrukturdaten, Marktposition des Betriebs, Mitbestimmung, Personalstruktur, Per: Qualifikationsgruppen, Entlohnung, Arbeitsbedingungen sowie methodische Fragen und Information
Untersuchungsgegenstand	Betriebe
Sektor	Öffentlich und privat
Branchen	Keine Branchenauswahl
Untersuchungsgebiet	Deutschland

Durchführung

Vorbereitende Maßnahmen	Dem Projekt vorgeschaltet war eine Pilotstudie im Rahmen einer rund 1000 Befragte umfassende Panels (SOEP) 2007. Darin wurden aktuell erwerbstätige und arbeitslos gemeldete Personen nac Betriebsstätte gefragt. Die angegebenen Adressen wurden bereinigt, so dass im Anschluss die B
-------------------------	---

Sampling

Auswahlverfahren	Ausgangspunkt waren die Befragten des ALLBUS 2008, die zum Zeitpunkt der Befragung in ein abhängig beschäftigt waren. Insgesamt waren dies 1.101 Personen. Davon machten 943 Persc genannten Adressen wurden anschließend in einer Recherche überprüft. 719 Adressen konnte entsprechenden Betriebe wurden kontaktiert. In 194 Fällen konnte schließlich ein Interview reali sich auf Betriebe, in denen zwei Beschäftigte an der ALLBUS Personenbefragung teilgenommer Personalverantwortlicher oder Betriebsleiter befragt.
Maßnahmen zur Erhöhung der Response	Es wurden gezielt Interviewer eingesetzt, die eine langjährige Erfahrung mit Betriebsstudien hab

Ebene	Anzahl Einheiten	Anzahl Personen pro Ebene (min.)	Anzahl Personen pro Ebene (max.)	Anteil erh. Mitglieder/Betr... (min.)	Anteil erh. Mitglieder/Betrieb (max.)
Betriebe	194				

RDM Resolution

Resolution

Resolution on Research Data Management

Bielefeld University is firmly committed to supporting its academics in implementing the '**Principles and guidelines on handling research data at Bielefeld University**' from 19 July 2011 to promote a quality-assuring research data management.

1. The Rektorat requests applicants to take advantage of the university's advisory services – above all during the preparatory stage of any funding proposal requiring a data management plan (e.g. for the German Research Foundation, DFG)
2. The Rektorat encourages academics to publish their research data through a registered research data archive within their discipline, or, if this is not available, through the research data repository of Bielefeld University. Publication should take the interests of persons and companies into account and be based on binding licensing conditions.

To fulfil **Point 1**, the **Coordination Centre** for Research Data at the Bielefeld University Library offers comprehensive advisory services on data management planning and continuous data documentation.

In line with **Point 2**, Bielefeld University Library supports faculties and academia to interlink existing data services with the worldwide network of data archives. At the same time, the institutional repository **PUB – Publikationen an der Universität Bielefeld** offers services for the publication of research data. Directories such as the DFG-funded "**Registry of Research Data Repositories**" also list appropriate locations for depositing data.

(adopted by the Rektorat in its session held on 12 November 2013)

Institutional Repository



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- Publications
- Data Publications
- Authors
- PUB Theses
- About PUB ▾

Deutsch

PUB – The Publication Server at Bielefeld University

+ Add your publications

Open Access at
Bielefeld University



Research Data Management



Support Publication Services

Susanne Riedel
Phone: 0521/106-4058
publikationsdienste.ub
@uni-bielefeld.de

- ✓ 40314 Publications
- ✓ 2522 Individual Author Pages
- ✓ **22 Data Publications**
- ✓ 7298 Open Access Publications
- ✓ 1471 Theses



Institutional Repository

Universität Bielefeld PUB – Publications at Bielefeld University

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22 Data Publications

+ Add your publications

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Go!

2014 | Research Data | PUB-ID: 2659774

LEEP-B3

Diewald M, Schunck R, Abendroth A, Melzer SM, Reimann M, Pausch S (2014)

SFB 882. doi:10.4119/unibi/sfb882.2014.12

PUB | DOI

2014 | Research Data | PUB-ID: 2659776

Arbeitsorganisationen und väterliche Lebensführung

Beaufays S, Reimer T (2014)

SFB 882. doi:10.4119/unibi/sfb882.2014.13

PUB | DOI

2014 | Research Data | PUB-ID: 2659766

Entstehung und Entwicklung devianten und delinquenten Verhaltens

Reinecke J, Stemmler M, Pöge A, Wallner S, Meinert J, Schepers D, Sünkel Z, Weiss M, Wittenberg J, Kaye N (2014)

SFB 882. doi:10.4119/unibi/sfb882.2014.11

PUB | DOI

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Part B: Oxford

III. SOME EXAMPLES

RDM Policy

RESEARCH DATA MANAGEMENT UAS

• This site • University of Oxford • People



[UAS Home](#) > [Research Data Management](#) > [Why manage your data?](#) > [University policy](#) >

> [Why manage your data?](#)

[University policy](#)

[Funder policy](#)

> [Data Management Planning](#)

> [Data Backup and Security](#)

> [Data Sharing and Archive](#)

> [Training, Advice & Support](#)

University of Oxford - policy on the management of research data and records

“

"The University of Oxford seeks to promote the highest standards in the management of research data and records as fundamental to both high quality research and academic integrity"

(Source: Policy on the Management of Research Data and Records, July 2012)

In July 2012, Council approved a new policy on the management of research data and records. In support of this, guidance is available via this website on the RDM services already offered by the University (as well as some which are still under development), and news on training and advice offered to researchers on dealing with their data will also be communicated via this means.

Departments are encouraged to seek advice from their local I.T. support teams if they have immediate questions on how to deal with data storage or backup. If queries are more directly linked to funder requirements and how to meet expectations, researchers should contact their research facilitators in the first instance, or speak to [Kathryn Dally](#) in Research Services.

Related documentation includes a pdf of this policy, which is also laid out

Related documents

- > [University Policy on the Management of Research Data and Records](#)  (219kb)

Related policies

- > [Academic Integrity in Research: Code of Practice and Procedure](#)
- > [Policy on the ethical conduct of research involving human participants and personal data](#)
- > [Intellectual property policy](#)
- > [Data protection policy](#)
- > [Freedom of Information policy](#)
- > [Information Security Policy](#)

RDM Working Group

- Chaired by PVC-R
- Representation of many stakeholders
 - Divisions
 - Libraries
 - IT Services
 - Research Services
- Many external and departmental activities
- Central services as fall-back

Multi-Agency Initiative

Research Services

Find funding +



Major sponsors +



Applying for funding +



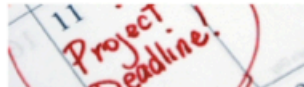
Costing and pricing +



Research Facilities and Equipment +



Managing awards, reporting outcomes and Open Access +



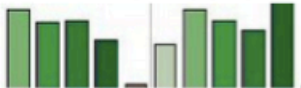
Clinical Trials & Research Studies +



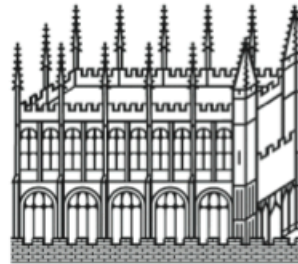
Research Integrity and ethics +



Business Intelligence (BI) Reports +



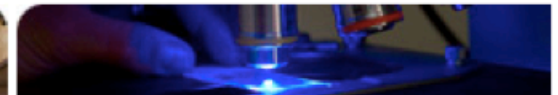
Research Data Management site +



Bodleian Libraries
UNIVERSITY OF OXFORD



» Humanities



» Medical Sciences




» MPLS



» Social Sciences


RDM Website



RESEARCH DATA OXFORD UNIVERSITY OF OXFORD


Home About » Working with data » Preservation Sharing data » Tools, services, training Contact us


Data Support Services for Researchers



About RDM

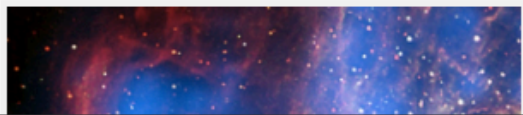
An introduction to research data management, including policy expectations from some of Oxford's main funders.





Working with data

Guidance and links to tools and resources to help you manage your data day-to-day and at the project planning stage.



Useful Links

- [Ask a question - Contact Us](#)
- [University RDM policy - download or view](#)
- [Find out what funders expect - see the funder policies page](#)
- [Latest news - Read the Oxford Research Data blog](#)

Research Data Blog

- [New RDM course listing page](#)
Feb 04, 2014
- [Planning, Appraising, Ingesting and Documenting Data: UK Data Archive Training Workshop](#)
Dec 16, 2013

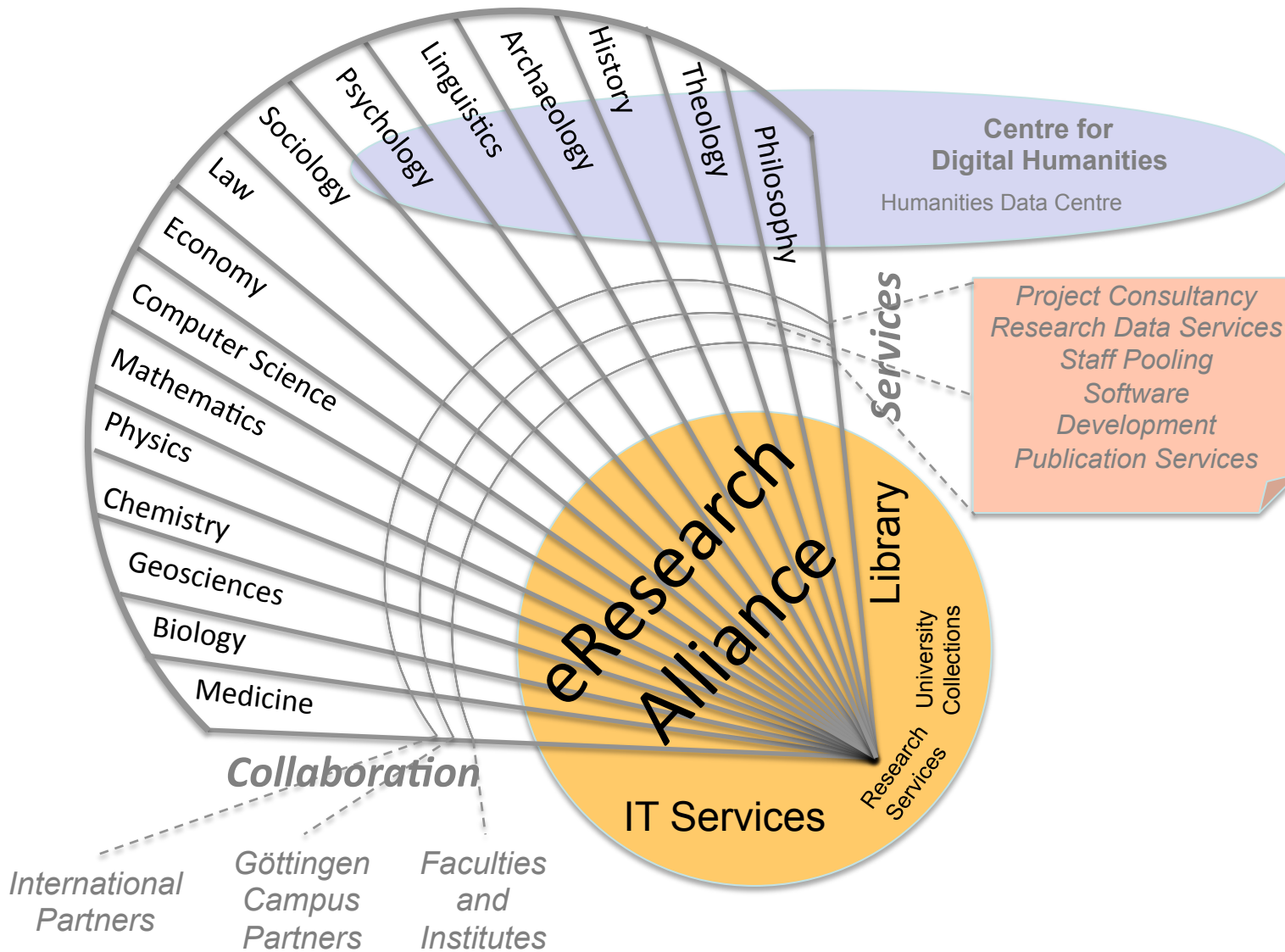
Part C: Göttingen

III. SOME EXAMPLES

Information Infrastructure at the Göttingen Campus

- Göttingen Campus
- IT Services: GWDG
- State and University Library Göttingen: SUB
- Research Data Policy
- Göttingen eResearch Alliance
 - Building on a strong tradition of collaboration
 - Sustainable Support at Selected Points in the Research Lifecycle
 - Consultations for Project Proposals
 - Pooling Infrastructure Specialists
 - IT Support, Publication Services, Research Data and Software Development

Building the Göttingen eResearch Alliance



IV. CONCLUSION

Conclusion

- Data joins literature in the authoritative record of research
- At campuses, a spirit of collaboration is emerging to tackle the challenge
- Libraries and service organisations provide „Data Libraries“
- An even stronger collaboration is needed nationally and internationally
- Disintegration is a threat to the reproducibility of research
- Literature and data need to form a reliably linked corpus

SUB

NIEDERSÄCHSISCHE STAATS- UND
UNIVERSITÄTSBIBLIOTHEK GÖTTINGEN

Thank you for your attention



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