HUMBOLDT-UNIVERSITÄT ZU BERLIN



An Integral Approach to Support Research Data Management at the Humboldt-Universität zu Berlin

Malte Dreyer
Director IT Center

Humboldt-Universität zu Berlin



Founded in 1810

Faculties: 9

Students: 35,000

Degree Programs: 190

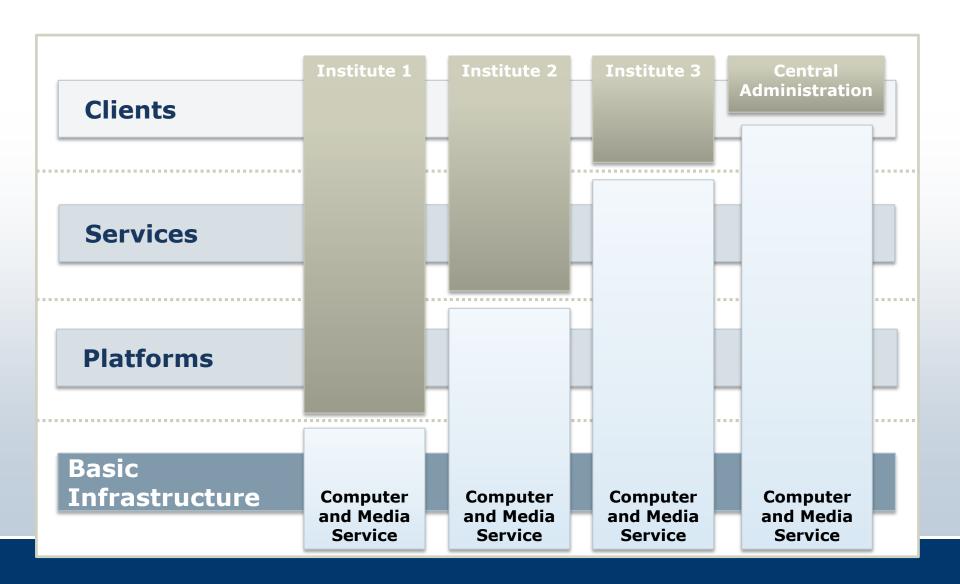
Professorships: 419(483)

Academic Staff: 2,000 Non-Academic: 1,500

3 Campuses, ~180 Buildings



Central IT (Computer and Media Service)



Research Data Management

REWARD £1,000 cash

My laptop and external hard drive were removed from my office on August 29.

If you have found the external hard drive, PLEASE CALL ME

The drive contains many years of my teaching and research files, so I need it desperately.

When opened, you will see that there is very little disk space left. I have had this USB for 4 years. It has all of my academic work at Ryerson (which I am still working towards completing for graduation this fall), plus personal photographs and professional resumes etc.

This USB may not be of significance to you, but it is extremely important to me. If you have found it, please kindly contact me to

\$\$\$LOST: MY ENTIRE THESIS

ONE BLACK RISD LOGO BINDER FILLED WITH NEGATIVES

TWO LACIE HARD DRIVES: ONE ORANGE, ONE BLACK

REWARD: \$\$\$\$\$, ALL THE ALCOHOL YOU CAN DRINK ATHOMASO1@G.RISD.EDU

National Science Foundation (NSF) Biographical Sketch(es)

Biographical Sketch(es), has been revised to rename the "Publications" section to "Products" and amend terminology and instructions accordingly.

(c) **Products**

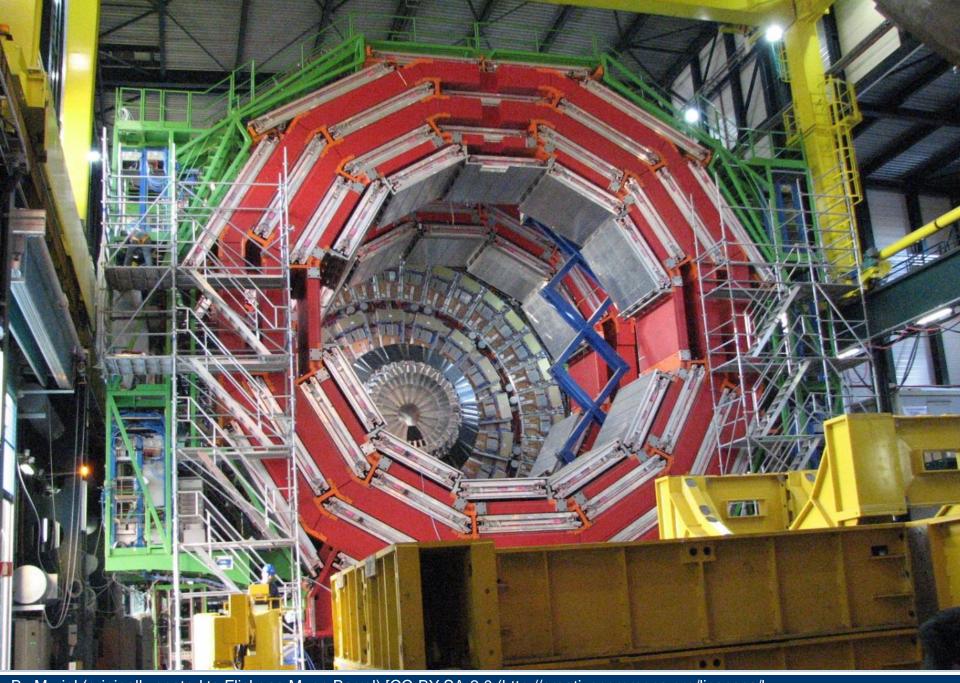
A list of: (i) up to five products most closely related to the proposed project; and (ii) up to five other significant products, whether or not related to the proposed project. Acceptable products must be citable and accessible including but not limited to publications, data sets, software, patents, and copyrights. Unacceptable products are unpublished documents not yet submitted for publication, invited lectures, and additional lists of products. Only the list of 10 will be used in the review of the proposal.

Each product must include full citation information including (where applicable and practicable) names of all authors, date of publication or release, title, title of enclosing work such as journal or book, volume, issue, pages, website and Uniform Resource Locator (URL) or other Persistent Identifier.





- Recommended open access to scholarly papers of publicly funded research
- 2. Recommended open access to all digital outputs of publicly funded research
- Mandated open access to scholarly papers of publicly funded research
- **4. Mandated** open access to all **digital outputs** of publicly funded research
- **5. Enforced**, mandated open access to **scholarly papers** of publicly funded research
- **6. Enforced**, mandated open access to all **digital outputs** of publicly funded research



By Muriel (originally posted to Flickr as Muon Barrel) [CC-BY-SA-2.0 (http://creativecommons.org/licenses/by-sa/2.0)], via Wikimedia Commons



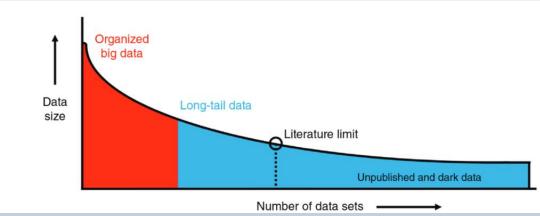
By Hannes Grobe (Hgrobe 06:16, 26 April 2006 (UTC)), Alfred Wegener Institute for Polar and Marine Research (Own work) [CC-BY-SA-2.5 (http://creativecommons.org/licenses/by-sa/2.5)], via Wikimedia Commons

Small Data

"Long Tail of Research Data"

The 2011 survey by *Science*, found that 48.3% of respondents were working with datasets that were less than 1GB in size and over half of those polled store their data only in their laboratories.

Science 11 February 2011: Vol. 331 no. 6018 pp. 692-693 DOI: 10.1126/science.331.6018.692



Source: Ferguson et al. (2014): Big data from small data: data-sharing in the 'long tail' of neuroscience. DOI: 10.1038/nn.3838

Why the Data Center Should Care?











"Google Graveyard"

Name	Days of Operation	Name	Days of Operation
iGoogle	3.106	Google Friend Connect	1.400
Reader	2.824	Knol	1.377
Google Video	2.769	Google Code Search API	1.370
Google Desktop	2.539	Google Health	1.340
Google Bookmarks Lists	2.252	Places Directory app (Android)	1.308
Picasa for Linux	2.162	Google Maps API for Flash	1.206
Google Notebook	2.006	Wave	1.095
Google Sync for BlackBerry	1.858	Buzz	980
Image Labeller	1.827	Classic Plus	884
Google Pack	1.706	Google Listen	883
Google Answers	1.702	Google Sidewiki	803
Google Spreadsheet			
Gadgets	1.645	Fast Flip	730
EAS sync for Gmail	1.603	Google Search Timeline	640
Google Talk Chatback	1.589	Google News Badges	458
		+1 Reporting for webmaster	
Jaiku	1.583	tools	458
Google Video for Business	1.521	Google One Pass	367
Google Adsense for Feeds	1.492	Google Aardvark	365
Google Gears	1.468	Google Lively	175
Google Apps for Teams	1.461	,	

Google Terms of Service (Apr. 2015)

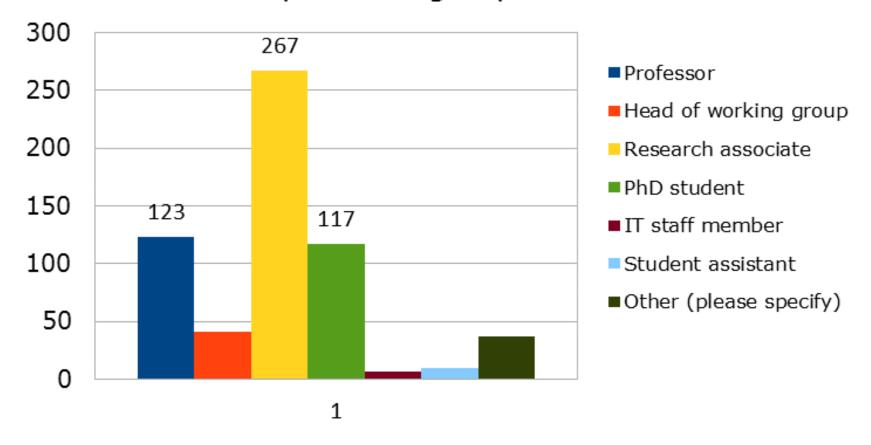
These conditions have been present since March 2012.

When you upload, submit, store, send or receive content to or through our Services, you give Google (and those we work with) a worldwide license to use, host, store, reproduce, modify, create derivative works (such as those resulting from translations, adaptations or other changes we make so that your content works better with our Services), communicate, publish, publicly perform, publicly display and distribute such content. The rights you grant in this license are for the limited purpose of operating, promoting, and improving our Services, and to develop new ones. This license continues even if you stop using our Services (for example, for a business listing you have added to Google Maps). Some Services may offer you ways to access and remove content that has been provided to that Service. Also, in some of our Services, here are terms or settings that narrow the scope of our use of the content submitted in those Services. Make sure you have the necessary rights to grant us this license for any content that you submit to our Services.

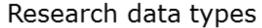
In short, you retain IP over the content, but grant Google and those they work with the rights to use your content to develop and promote Google services.

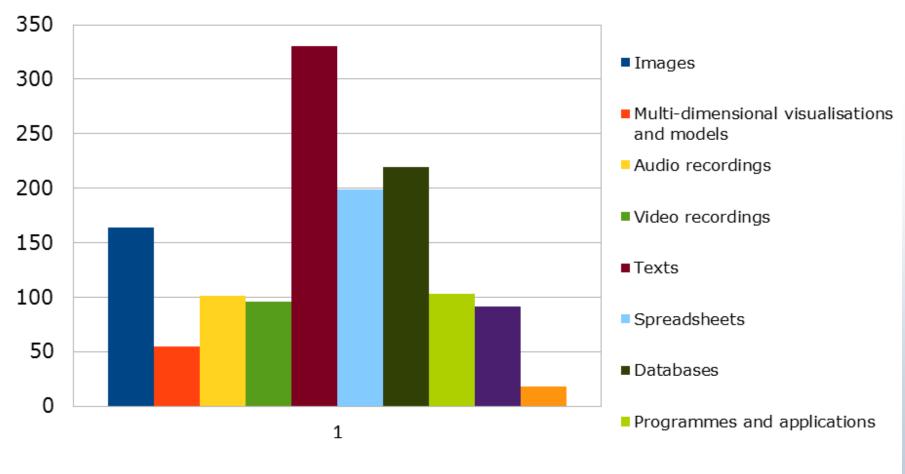
What To Do? ... We Conducted a Survey in 2013

Respondents groups

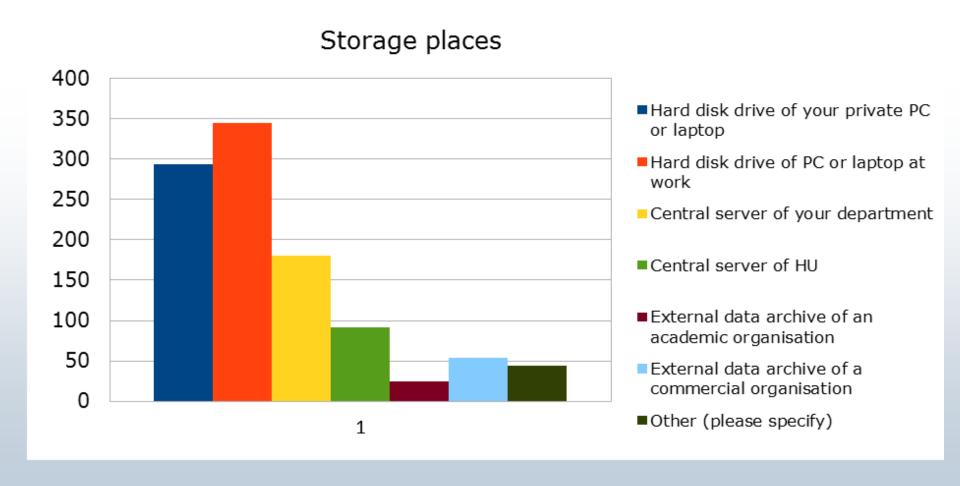


Please indicate data types more specifically.



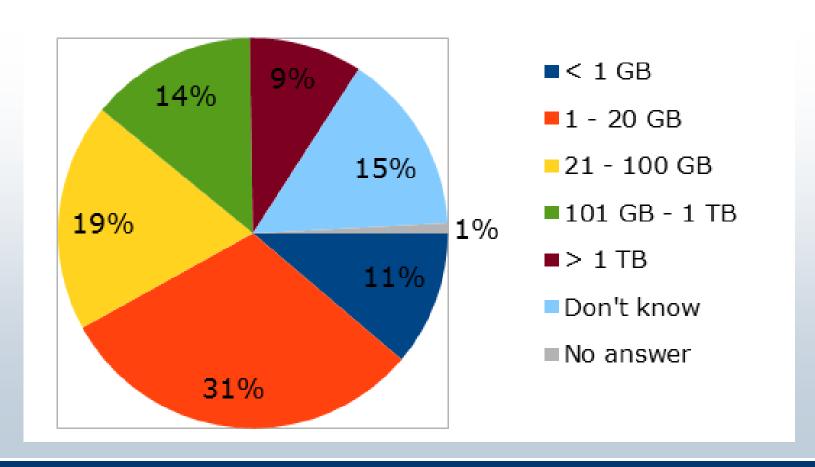


Where do you store your research data?



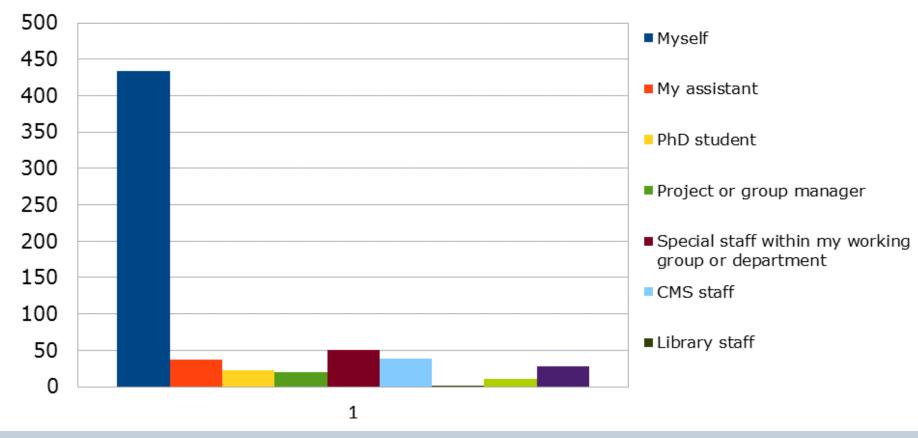
Please estimate how much research data you currently hold in terms of disk space.

Overall size of research data



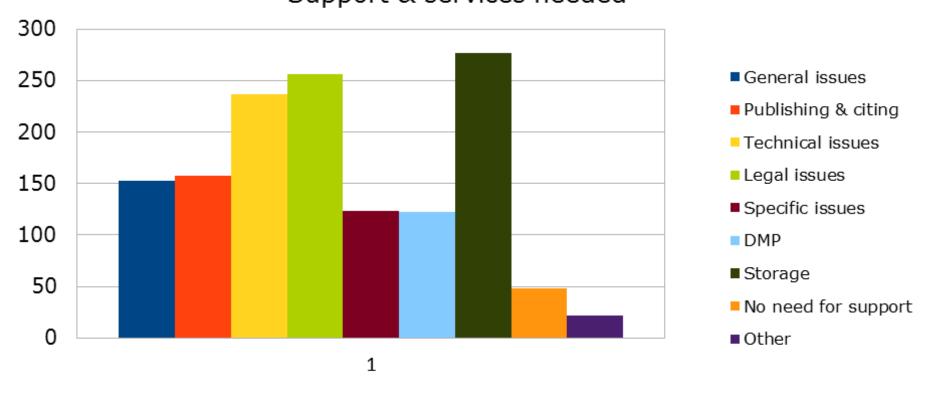
Who is currently responsible for storing, back up or archiving your research data?

Responsible for research data

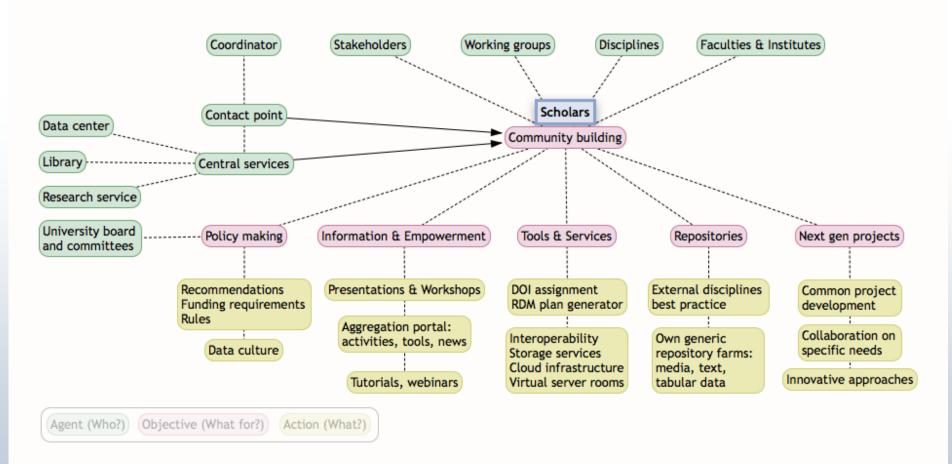


What support or services do you wish to have at HU?





Conceptual Map of our Research Data Management Approach



Building Blocks

- Building tools and services
- Communication and community building
- Developing strategic projects
- One central coordinator
- Online tutorials
- Presentations and workshops
- Repository services

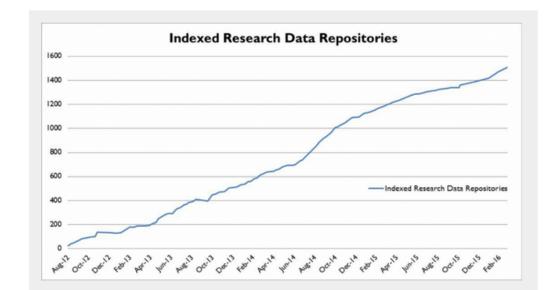


Home Search Browse Suggest FAQ About Schema API Contact Legal notice / Impressum

re3data.org Reaches a Milestone & Begins Offering Badges

Posted on April 13, 2016 by re3data.org team

re3data.org has reached a milestone of identifying and listing 1,500 research data repositories, making it the largest and most comprehensive registry of data repositories available on the web. It has grown steadily since its launch four years ago to cover a wide range of disciplines from around the world.





re3data.org search

A SERVICE BY

SEARCH



PARTNERS







https://www.cms.hu-berlin.de/de/ueberblick/projekte/dataman/home



HUMBOLDT-UNIVERSITÄT ZU BERLIN

Computer and Media Service Research data management

Welcome

Work with research data

Share research data

Information

Support

Malfunction information

Students

Staff

Humboldt-Universität zu Berlin | Computer and Media Service | Research data management

Welcome

Welcome to the research data management website of Humboldt-Universität zu Berlin - a joint initiative of the central units Computer and Media Service (CMS), Research Service Centre as well as University Library and Vice President for Research of the university.

Guidance for creating a datamangement plan in Horizon 2020 available, more at Create datamanagement plan.

Work with research data

Find research data

Cite research data

Create datamanagement plan

Secure research data

Information

Relevance of research data

Principles of the university

Discipline-specific policies

Further reading

Share research data

Find repository

Documentation and metadata

Select license

Persistent identification

Support

Training

Material

Contact

DE EN

News

5th DINI-nestor Workshop Tools for Research Data

May 18, 2016

ResourceSpace Community

Meeting

May 18, 2016

Workshop: Research Data Management for Agricultural Scientists and Biologists

Apr 18, 2016

More news...

Contact

Coordinator

research data management

Kerstin Helbig

kerstin.helbig@cms.hu-berlin.de

+49(0)30 2093-70072

Helpdesk

Pamela Aust

pamela.aust.1@ub.hu-berlin.de

+49(0)30 2093-99706

Technical information

Dennis Zielke

dennis.zielke@cms.hu-berlin.de

+49(0)30 2093-70004

Open access publications

Candra Colda

https://www.cms.hu-berlin.de/de/ueberblick/projekte/dataman/home







Computer and Media Service Research data management

Work with research data Share research data Information Support Malfunction information

Students

Humboldt-Universität zu Berlin | Computer and Media Service | Research data management

Welcome

Welcome to the research data management website of Humboldt-Universität zu Berlin - a joint initiative of

DE EN

News

5th DINI-nestor Workshop Tools for

Wor	k wit	h researcl	h data
-----	-------	------------	--------

Find research data

Cite research data

Create datamanagement plan

Secure research data

Share research data

Find repository

Documentation and metadata

Select license

Persistent identification

Information

Relevance of research data

Principles of the university

Discipline-specific policies

Further reading

Support

Training

Material

Contact



Workshops | Karriereentwicklung Stipendien | Last Minute A-Z

Humboldt-Universität zu Berlin | Humboldt Graduate School | Angebote | Schlüsselkompetenzen | Workshops | Research Data Management

Research Data Management

Trainer: Kerstin Helbig/ Ulrike Schenk/ Pamela Aust

Date: 09.12.2016, 4 p.m. - 6 p.m.

Target Group: Candidates in all years of PhD studies (open to all doctoral candidates)

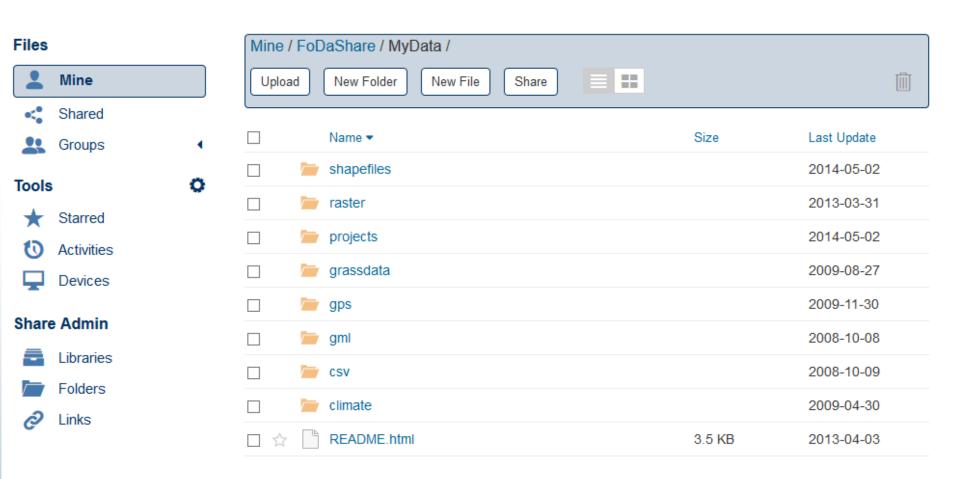
OBJECTIVES

Research data management is an integral part of good scientific practice. It supports later data sharing, which can lead to increased citation and reuse. In addition, more and more funding organizations expect a data management plan during the application process. This workshop informs about data management planning and services at Humboldt-Universität zu Berlin. Technical, legal and financial aspects of research data management are covered. In separate discipline specific groups metadata as well as appropriate research data repositories and archives are presented and discussed.

CONTENT

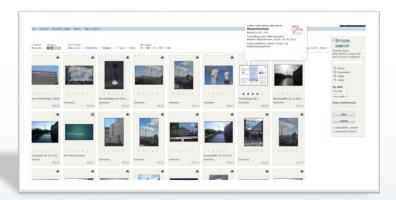
- What is research data?
- Why research data management? What are the requirements of funding organizations such as DFG, BMBF and EU?
- How does successful research data management look like? How do I write a data management plan?
 Which aspects are important?
- Research data management at Humboldt-Universität zu Berlin (research data policy, services)
- Discipline specific metadata

Tools & Services: Cloud Storage

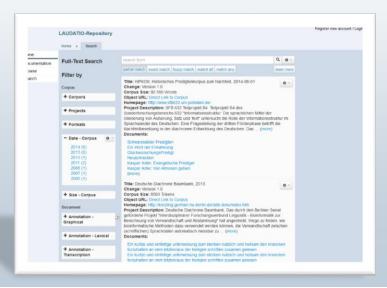


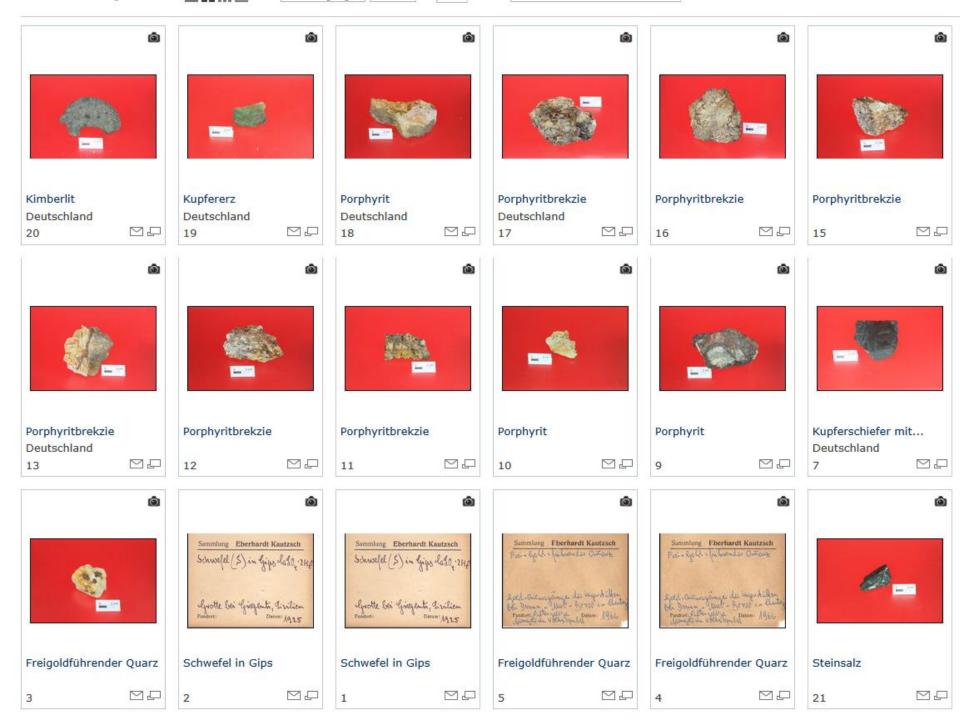
Tools & Services: Repositories

Semi-Tailored



Tailored







Log in Home | Featured collections | Recently added | Media | Knowledge Base | Contact us : Simple search Search using Featured descriptions, keywords Collections and resource numbers Under this heading one can find the main themes under which the digitized ✓ Photo data is organized. ☑ Document ✓ Video

HUMBOLDT-UNIVERSITÄT ZU BERLIN



Log in

Welcome t

The project on Universität zu B and Ms. Klaudia from the Ditson knowledge and in the form of Germany and S the publication into the life of importance to u archives. We se published book

The digital data various mission include: the Ber Library Archive well as field res Home | Featured collections | Recently added | Media | Knowledge Base | Contact us

Original diary of the Missionary Carl Hoffmann. Part 9



File information Options File size **Original PDF File** 68.5 MB Download Low resolution print 1708 × 2000 pixels (3.42 MP) 879 KB Download 14.5 cm × 16.9 cm @ 300 PPI Screen 683 × 800 pixels (0.55 MP) 194 KB Download 5.8 cm × 6.8 cm @ 300 PPI Preview 194 KB View Full screen preview > Share

Resource tools

Resource details

Resource ID 489

Access Open

Category Files, UNISA Archive (Files)

Source UNISA Archive Type of Source

Diary

Location South Africa

tion/489

DOI 10.18450/hoffmanncollec Original diary of the

Hoffmann Description Missionary Carl Hoffmann. Part 9

Created by

Language of Source German

Previous result | View all results | Next result

Usage terms Creative Commons Namensnennung 4.0 International Lizenz

Simple search

Search using descriptions, keywords and resource numbers

- ✓ Photo
- ✓ Document
- ✓ Video
- ✓ Audio

By date

Any year v

Any month ~

> Geographic search

> Advanced search

Log in

Username

Password



Log in Lo



Categories



Search

✓ All resources

☑ Manuscript

☑ Manuscript page

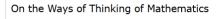
HUMBOLDT-UNIVERSITÄT ZU BERLIN

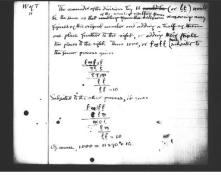


Home | About | Contact

Digital Peirce Archive

The Peirce Archive is an image-based archi collaboration between the DFG cluster of exarticulation" funded by the Volkswagen Fou span more than five decades and touch on





 Property of the control of t

*Search

✓ All resources✓ Manuscript

✓ Manuscript page

manuscript number

Clear

> Advanced search

Manuscript Metadata

Resource ID Access

2795

Open

Contributed by Frederik Wellmann date (Robin) c. 1901/1902? type of material A. MS.

description

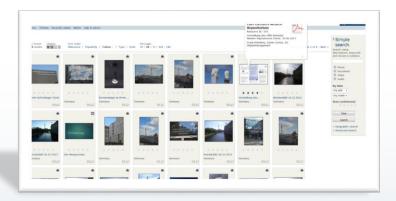
Decimal system, Mathematics, numerical Notation, notation and analysis (see also Decimal system Quantity Secundal system Sextal system), Secundal system of enumeration

general index

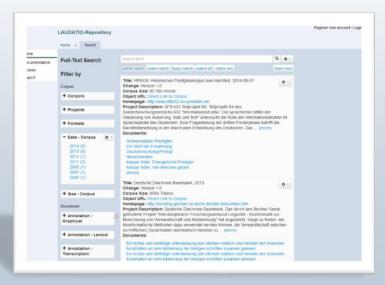
Previous result | View all results | Next result

Tools & Services: Repositories

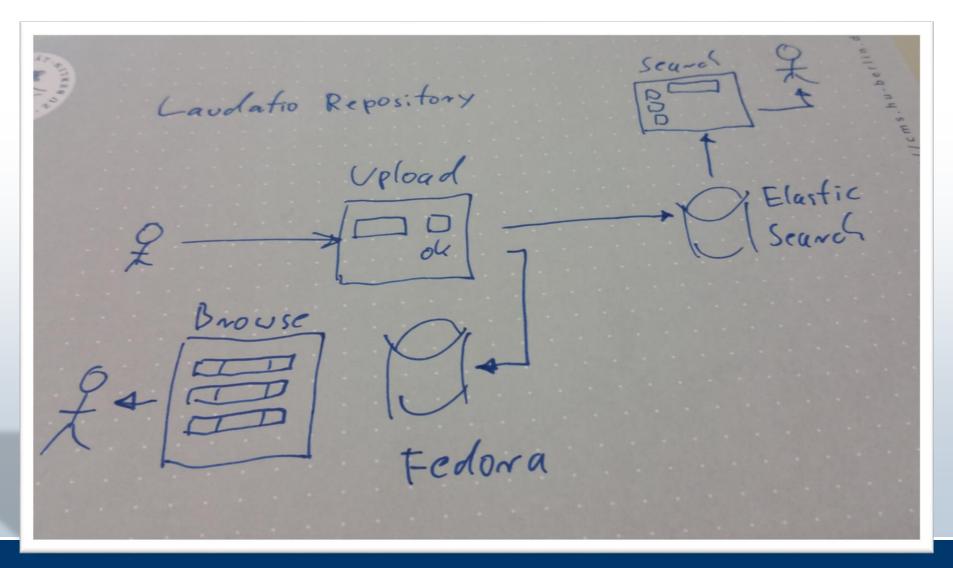
Semi-Tailored



Tailored



Laudatio: Open Access Repository for Historical Linguistic Data



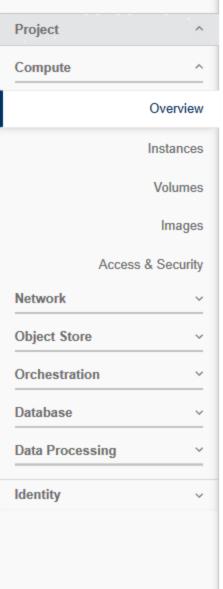
Self-Service



The NIST Definition of Cloud Computing

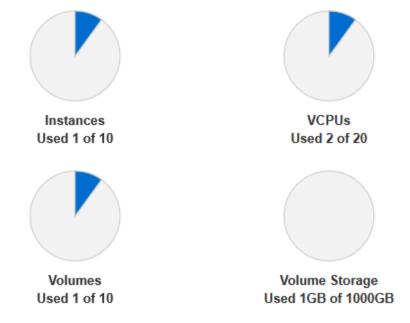
(US-National Institute of Standards and Technology SP 800-145)

Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.



Overview

Limit Summary



Usage Summary

Select a period of time to query its usage:



RAM

Used 4GB of 50GB

Active Instances: 1 Active RAM: 4GB This Period's VCPU-Hours: 400.30 This Period's GB-Hours: 8005.97 This Period's

Conclusions

- > RDM has many facets
- Each discipline has very unique formal and informal practices
- There are many suitable repositories available
- There still is a high demand for local solutions
- RDM is a long-lasting topic
- Communication and community building is key

