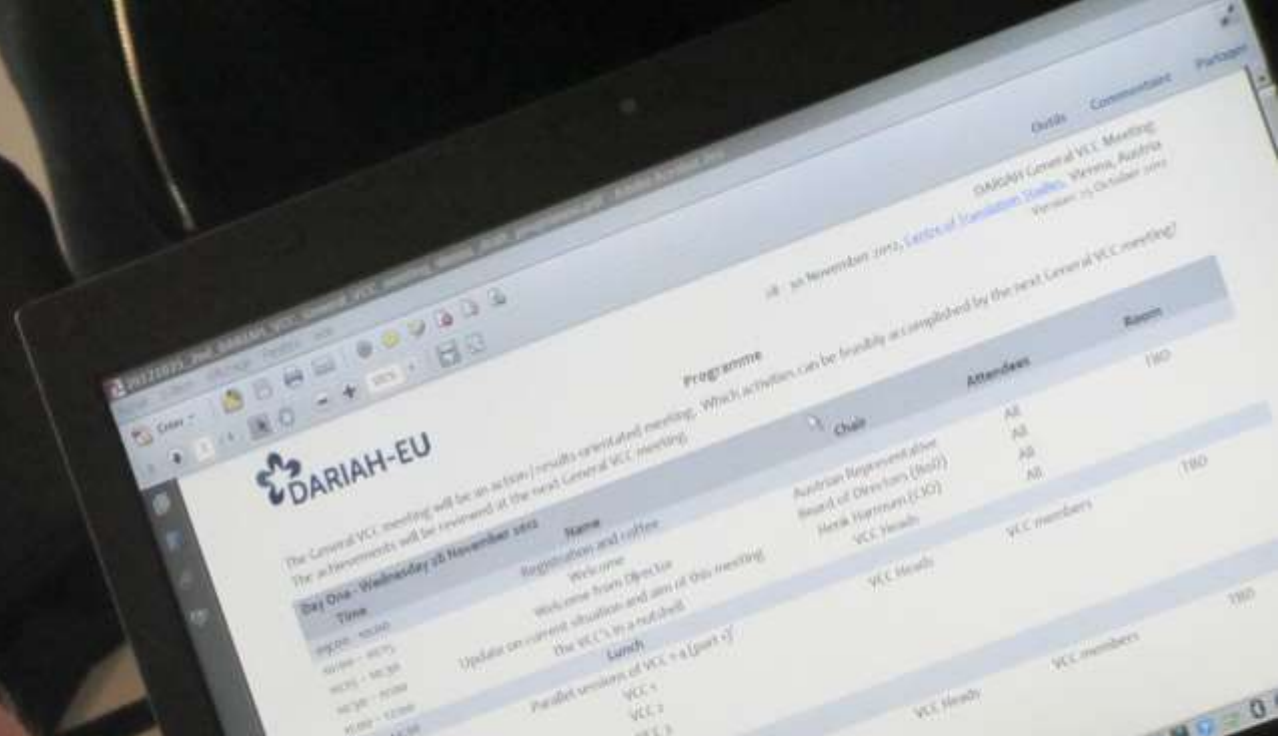


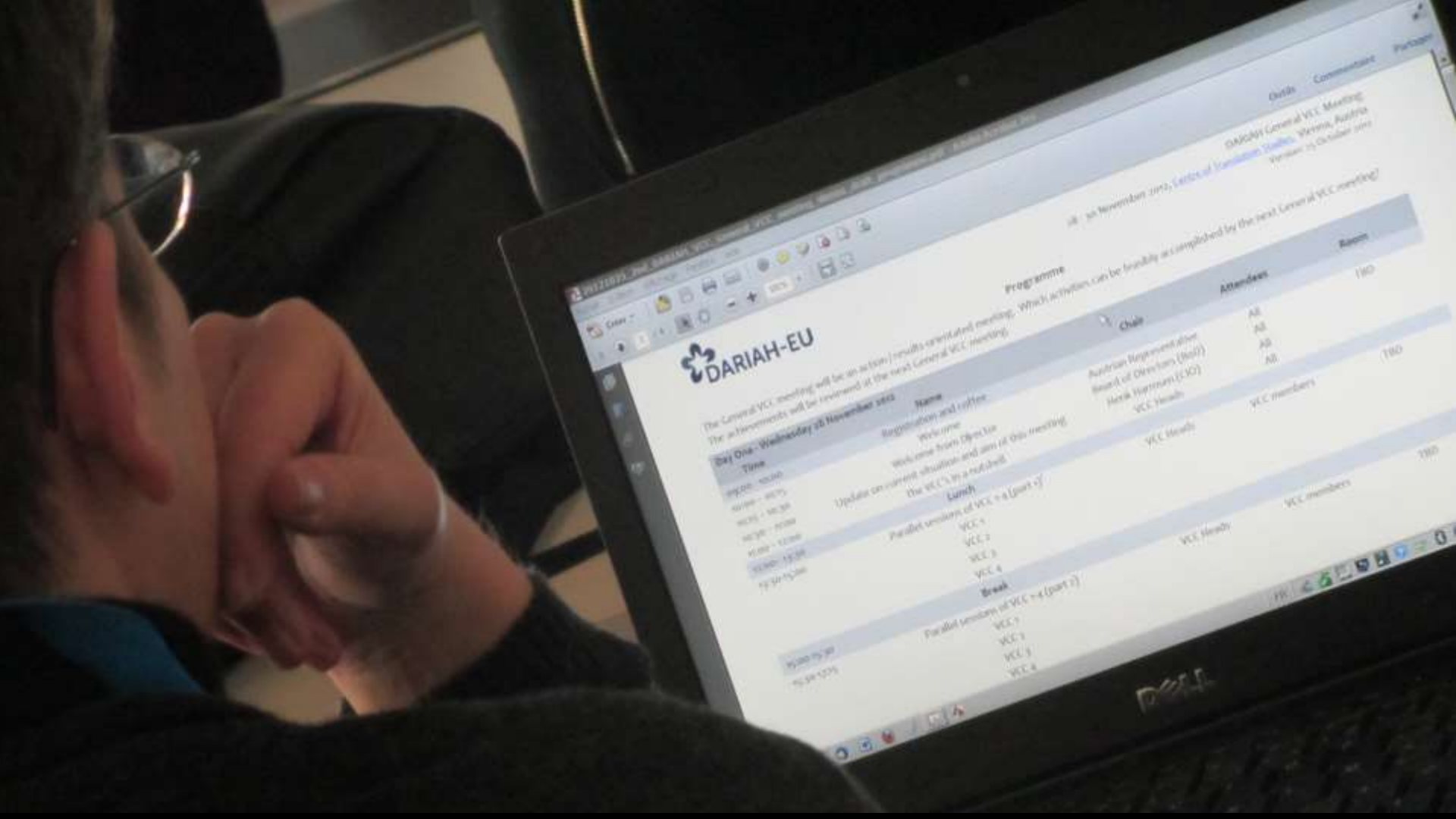
Essential for research?
***Are libraries necessary for digital research in
the humanities?***

Sally Chambers, DARIAH-EU



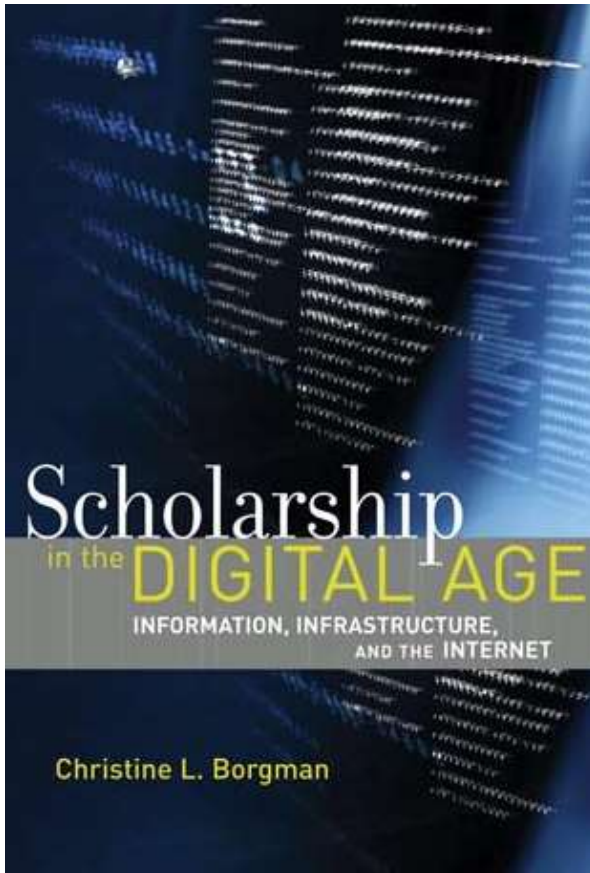
- What is digital scholarship?
- What are research infrastructures?
- Is the library essential for digital research in the humanities?





What is digital scholarship?

What is digital scholarship?



- ‘Allowing scientists to do faster, better or different research’
- ‘new forms of data- and information-intensive, distributed, collaborative scholarship’
- ‘Intersection of scholarly behaviour and technology’

Christine L. Borgman (2007)

Scholarship in the digital age: information, infrastructures and the internet

<http://mitpress.mit.edu/books/scholarship-digital-age>

What is digital humanities?



A screenshot of the Kings College London Digital Humanities website. The header includes the Kings College London logo, a search bar, and navigation links for 'STUDY' and 'CAMPUS LIFE'. A central text box contains a quote about the department's focus. Below the quote is a navigation menu with links like 'ABOUT US', 'PEOPLE', 'STUDY', 'RESEARCH', 'ALUMNI', 'NEWS', 'EVENTS', and 'CONTACT US'. At the bottom, there are banners for 'DIGITAL HUMANITIES' and 'FREE TALKS & PERFORMANCES'.

Kings College: ‘to study the possibilities of computing for arts and humanities scholarship and, in collaboration with local, national and international research partners across the disciplines, to design and build applications which implement these possibilities, in particular those which produce online research publications’

www.kcl.ac.uk/artshums/depts/ddh

What is digital humanities?



Quantifying Digital Humanities

COURTESY OF UCL CENTRE FOR DIGITAL HUMANITIES

Digital Humanities research and teaching takes place at the intersection of digital technologies and humanities. DH aims to produce and use applications and models that make possible new kinds of teaching and research, both in the humanities and in computer science (and its allied technologies). DH also studies the impact of these techniques on cultural heritage, memory institutions, libraries, archives and digital culture.

Digital Humanities is difficult to quantify. Here we present all available statistics regarding individuals and resources, to explore the scope of the field.



UCL: 'Digital Humanities research and teaching takes place at the intersection of digital technologies and humanities...'

<http://blogs.ucl.ac.uk/dh/2012/01/20/infographic-quantifying-digital-humanities/>

What is digital humanities?



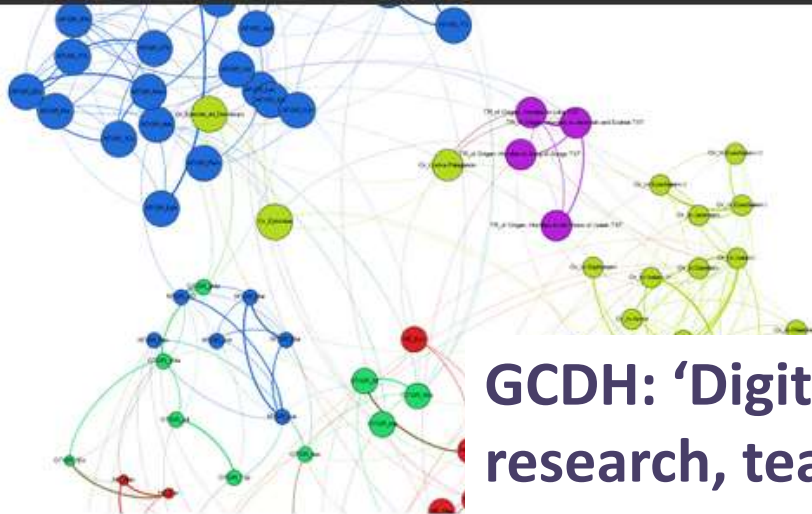
ENGLISH

[Search](#) [Legal Details](#) [Sitemap](#) [Privacy](#) [Contact](#)



Search

RESEARCH TEACHING SERVICES EVENTS PROJECTS BLOG ABOUT PEOPLE PUBLICATIONS



DiGiTAWG

DIGITAL TEXT ANALYSIS
WORKING GROUP

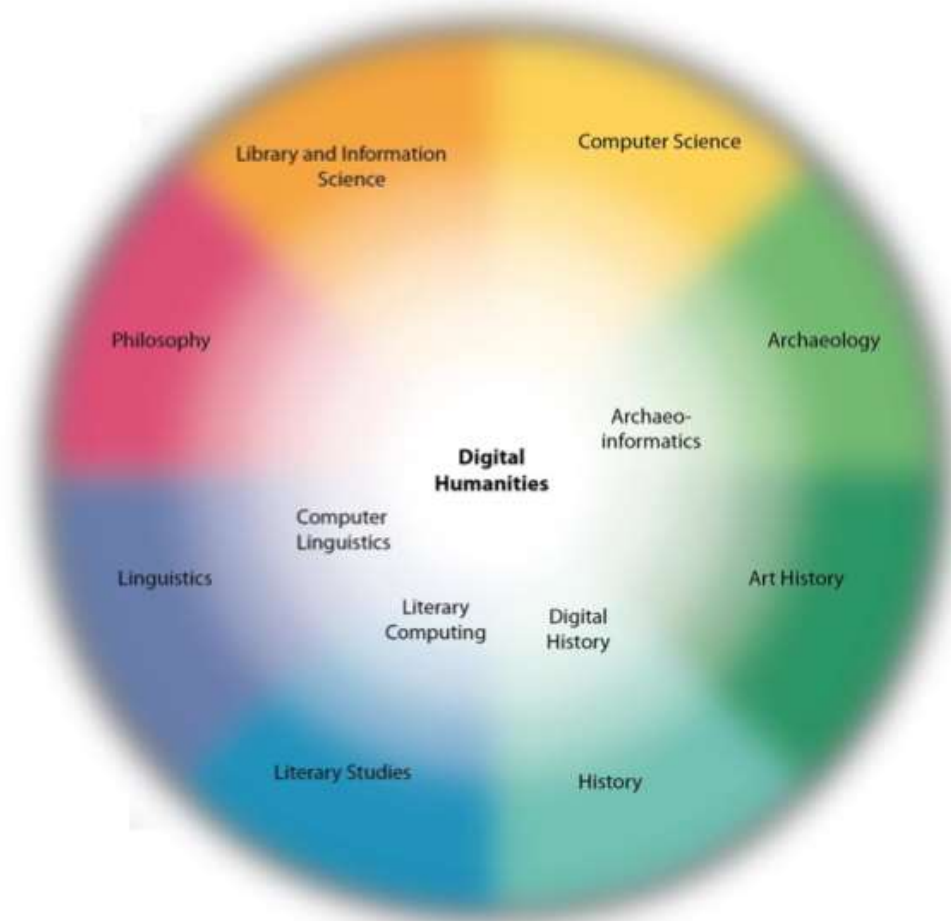
www.gcdh.de/en

GCDH: 'Digital Humanities (DH) is an area of research, teaching, and development concerned with the intersection of computing and the various disciplines of the humanities...'

3 Spheres of Digital Humanities



- **Digital Humanities:** Individual subject, transcending traditional disciplines, focus on theory and methods
- **Digital <Subject>:** Disciplines which were fundamentally changed through digital media and methods (e.g. Computer Linguistics, Archaeoinformatics, ...)
- **<Subject> with DH:** Disciplines which incorporate digital methods and tools and consider them a part of their traditional canon



Thanks to: Patrick Sahle, Walter Scholger

Digital Lexicography



Toma Tasovac presenting:
Interfacing Diachrony: Visualizing Linguistic Change on the Basis of Digital Editions of Serbian 18th-Century Texts at DH 2012.



<http://lecture2go.uni-hamburg.de/konferenzen/-/k/14017>

Digital Archaeology



Viewing platform of the Domus Severiana on the Palatine in Rome as in its construction phase in Flavian time (about 80 CE). Visualisation of the visual axis of the Domus Severiana over the city of Rome – German Archaeological Institute

www.dainst.org/en/

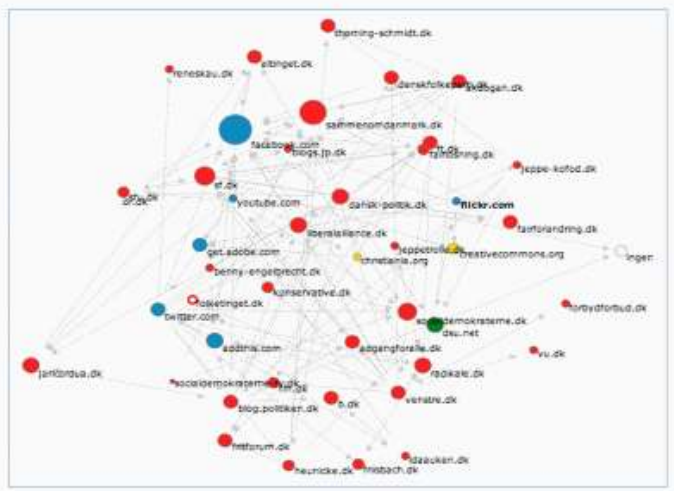
NetLab

- About
- Projects
- Courses
- Publications
- People
- Contact
- RESAW
- NetLab Forum

NetLab

research infrastructure project

- RESAW
- P1 – A net archive corpus for education, learning and training
 - P2 – Danish internet favorites, 2009
 - P3 – Digital Footprints
 - P4 – Network Analysis of the Danish parliamentary Elections 2001-2011
 - P5 – Cross media production and communication
 - P6 – Fundamental Tools for web Archive research (FUTARC)
 - P7 – Harvesting the digital Music Revolution – the Case of Sys Bjerre



<http://www.netlab.dk>

Digital Textual Scholarship



A virtual research environment for researchers in the text-based humanities to create, analyse, edit, store and publish their research data



[Home](#) [About TextGrid](#)

TextGrid: Digital editing – research – archiving



Laboratory



Repository

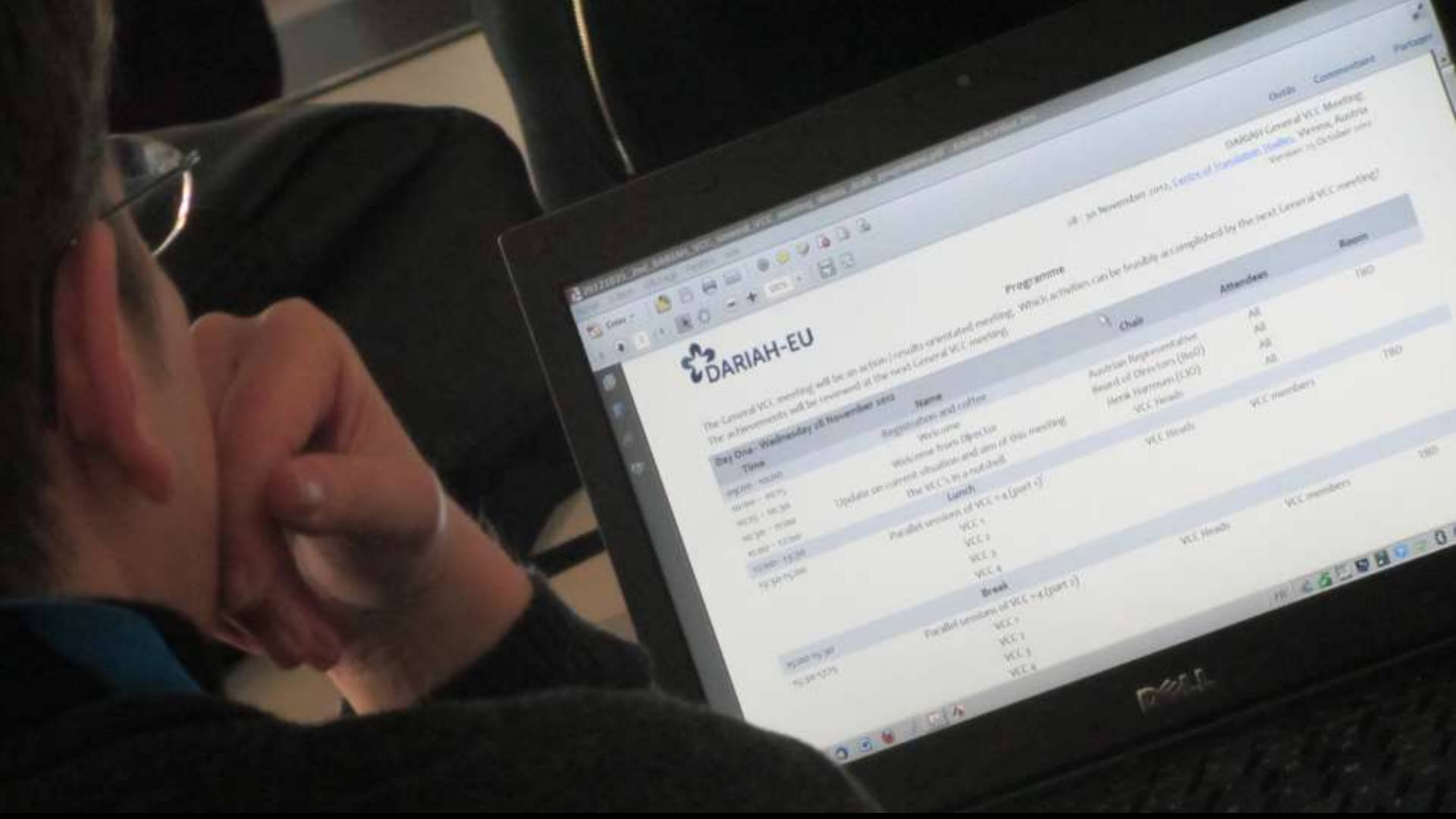


www.textgrid.de/en

LARM Audio Research Archive

... a digital infrastructure to facilitate researchers' access to the Danish radiophonic cultural heritage including appropriate tools and a bibliography





What are research infrastructures?

What is research infrastructure?



Pan-European research and education network

Welcome to the GÉANT website

Infinera and DANTE Set Guinness World Record with Fastest Provisioning of Long Haul Optical Transmission Capacity

26.02 Tb/s Per Hour

[Learn More](#)

The banner features a map of Europe with a yellow line connecting Amsterdam and Hamburg, labeled "GÉANT". Below it, a red line with stars connects two points, labeled "DANTE".

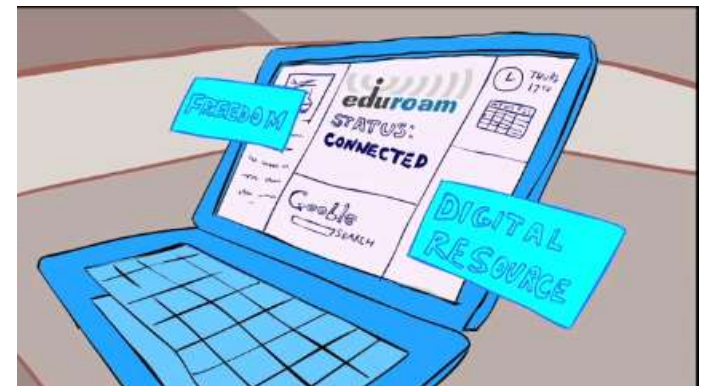
GÉANT is the pan-European research and education network that interconnects Europe's National Research and Education Networks (NRENs).



What is research infrastructure?



secure, world-wide roaming
access service developed for the
international research and
education community



www.eduroam.org

European Strategy Forum for Research Infrastructures (ESFRI)

The image is a promotional graphic for the European Strategy Forum for Research Infrastructures (ESFRI). It features a background image of a mountain range at dusk and a modern, curved building at night. The ESFRI logo is in the top right corner. A central text box reads "European Research Infrastructures with global impact". To the right, a vertical list of six research areas is presented in colored boxes with right-pointing chevrons.

European Strategy Forum on Research Infrastructures **ESFRI**

European Research Infrastructures with global impact

- > Social Sciences and Humanities
- > Environmental Sciences
- > Biological and Medical Sciences
- > Materials and Analytical Facilities
- > Physical Sciences and Engineering

http://ec.europa.eu/research/infrastructures/index_en.cfm?pg=esfri

The end of humanities?



DARIAH-EU General Meeting, Vienna, November 2012

Humanities and Social Sciences Research Infrastructures

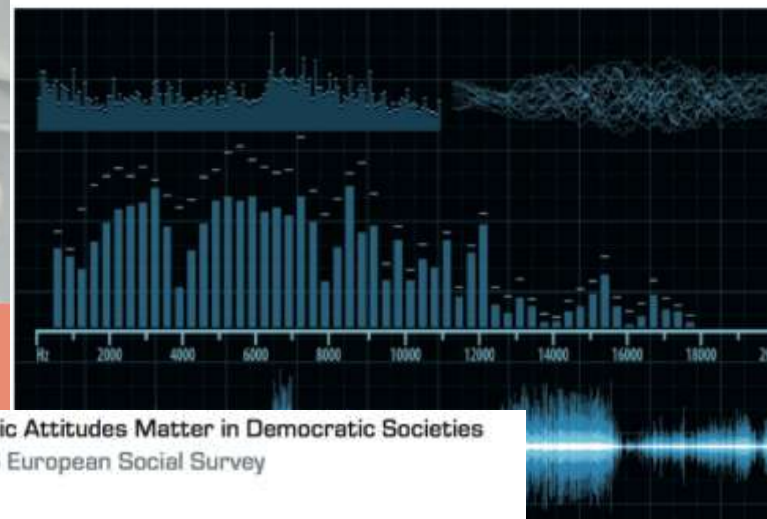
European Strategy Forum
on Research Infrastructures



➤ Social Sciences and Humanities

Language Is the Key to the Understanding
of Language Behaviour

CLARIN ERIC The Common Language Resources
and Technology Infrastructure



Public Attitudes Matter in Democratic Societies
ESS European Social Survey

The European Social Survey finds out
what people believe, want, fear and prefer



However, public attitudes are difficult to measure. They are often unexpressed, and cannot be inferred from electoral choices or momentary media opinion polls. As a response to the absence of academically rigorous cross-national data about these items, social scientists designed the European Social Survey (ESS) in the late 1990s. Every two years since 2001 over 30,000 people in up to 34 European countries are interviewed with the help of a scientifically developed questionnaire. They are asked about topics like socio-political values, trust in institutions, demographic composition, financial circumstances as well as immigration and citizenship.

As a unique Research Infrastructure, ESS provides scientists as well as policy makers with these data. It coordinates the work of leading institutions in each country which are responsible for collecting the data. The data are made immediately and freely



DARIAH on the ESFRI Roadmap

European Strategy Forum
on Research Infrastructures

ESFRI

European Strategy Forum
on Research Infrastructures

ESFRI

European Research Infrastructures
with global impact

Enabling Digital Research in the Arts and Humanities

DARIAH The Digital Research Infrastructure
for the Arts and Humanities



PARTICIPANTS

Host Country: France
Number of participating countries: 10

TIMELINE

Start of construction: 2013
Start of operation: 2017

ESTIMATED COSTS

Construction: 20 M€
Operations: 2.4 M€/year

www.dariah.eu

DARIAH will create a Europe-wide e-Infrastructure for the diverse needs of arts and humanities researchers

gathered and in the publication of the results. To meet the particular needs of the arts and humanities researchers, the ICT-tools to be developed will be based on a deeper analysis and understanding of their special research practices and processes.



While closely cooperating with existing projects that focus on specific research communities, like CENDARI, the Collaborative European Digital Archive Infrastructure or EHRI, the European Holocaust Research Infrastructure, DARIAH aims at integrating and coordinating the different e-activities in the arts and humanities in the European countries. Thereby, it strongly relies on the participation and the input of the researchers who are encouraged to share their e-developments and e-experiences with the community via DARIAH.

A musicologist who analyses performances with the help of digital recordings, an archaeologist who wants to visualize buildings or cities from ancient times, a historian who extracts place names from

European Science Foundation Report



http://www.esf.org/fileadmin/Public_documents/Publications/spb42_RI_DigitalHumanities.pdf



Controversies around the Digital Humanities



Universität zu Köln
Cologne Center for eHumanities



CCeH

Profil
Mitglieder
Veranstaltungen
Projekte
eHumanities
Studiengänge
Linkliste
Kontakt

User login

Username *

Password *

Create new account
Request new password

The Cologne Dialogue on Digital Humanities 2012

Thu, 01/12/2012 - 13:33 — cceh

Controversies around the Digital Humanities: Proceedings of a Workshop

If you would like to add comments to the "controversies", please send an informal eMail requesting a Userid to WahnDialogue-info@uni-koeln.de.

All papers have been published in special issue 37 of "Historical Social Research Vol. 37 (2012), No. 3".

<http://hsozkult.geschichte.hu-berlin.de/zeitschriften/ausgabe=6950>

Online versions of all revised papers are published on this website and can be downloaded from the respective author's page below.

Manfred Thaller, University at Cologne: Setting the Agenda

Controversy 1: Do the Digital Humanities have an intellectual agenda or do they constitute an infrastructure?

Controversy 2: Are all approaches towards interdisciplinary research between the Humanities and Computer Science meaningfully represented by the current concept of Digital Humanities?

Controversy 3: What is the scope of the Digital Humanities? What is the relationship between individual disciplines served by them?

Controversy 4: What is the appropriate role of markup?

Controversy 5: Big structures or lightweight webs. What is the most sensible technical template for research infrastructures for the

www.cceh.uni-koeln.de/events/CologneDialogue



The humanities infrastructure controversy

Controversy 5

Tue, 04/03/2012 - 13:41 — cceh

April 24th, 2012, 11:00 - 12:30

Fifth controversy: Big structures or lightweight webs. What is the most sensible technical template for research infrastructures for the Digital Humanities?

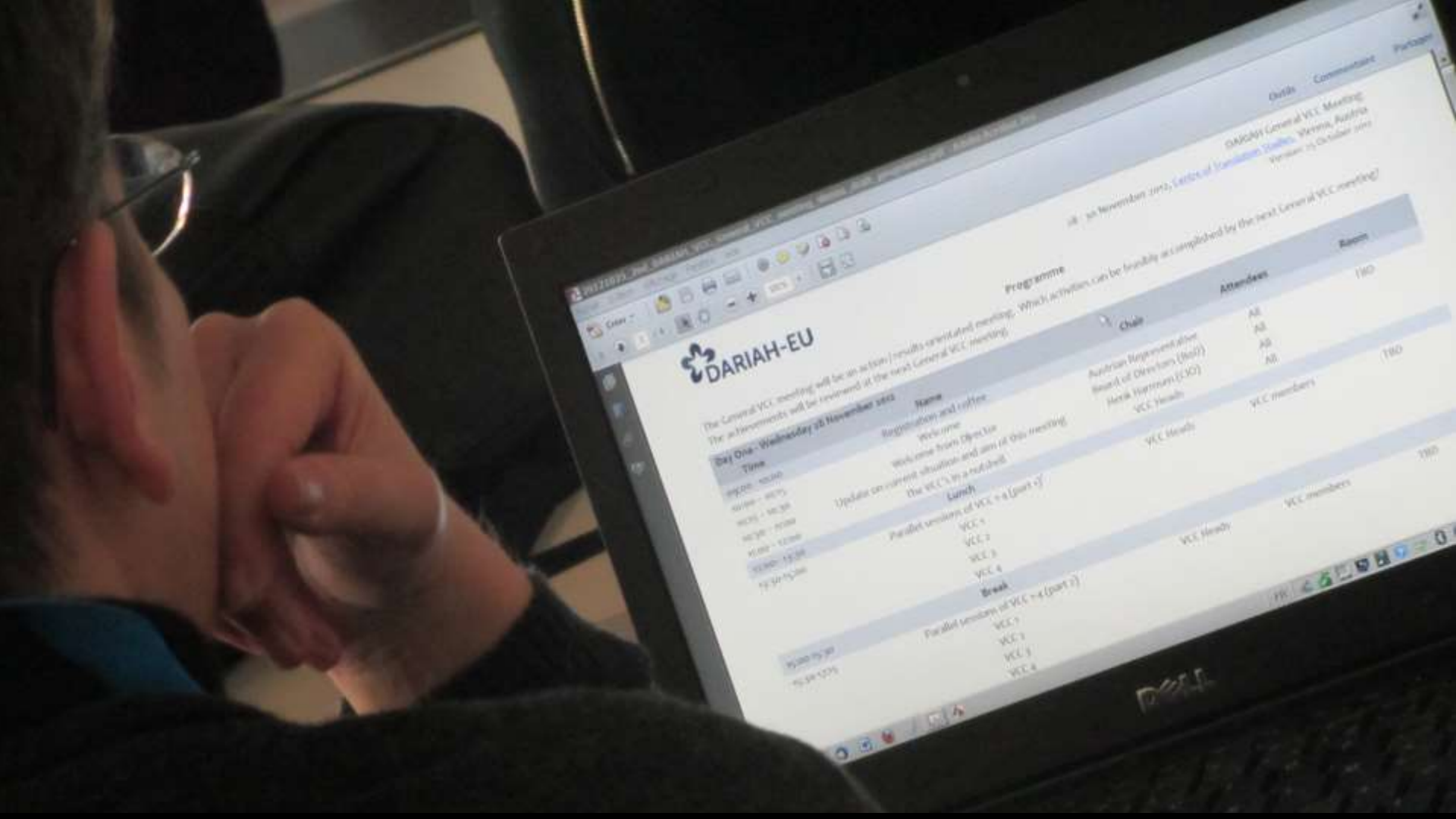
Opponents: Sheila Anderson, & Joris J. van Zundert

Anderson & Blanke: ‘the future for humanities infrastructure is best framed around the idea of a humanities specific ecosystem’

Van Zundert: ‘big institutionally based digital infrastructures are a dead end for information technology development and application in the humanities.’

www.cceh.uni-koeln.de/events/CologneDialogue/Controversy5





What is DARIAH?

What is DARIAH?



DARIAH aims to enhance and support digitally-enabled research and teaching across the humanities and arts...

...a connected network of tools, information, people and methodologies for investigating, exploring and supporting research across the digital arts and humanities...

...for researchers, by researchers...

Who is DARIAH for?



**A wide variety of research communities across the
arts and humanities**

Image source: <http://www.utsa.edu/today/images/graphics/diversity2.jpg>



A quick history of DARIAH

- **2006:** DARIAH included in the ESFRI Roadmap
- **2008 – 2011:** Preparatory Phase project, *Preparing DARIAH*
- **2011 – 2013:** ‘Transition Phase’, establishing the DARIAH-ERIC, integrating national activities
- **2014+:** DARIAH-ERIC



Network of Members

Founding Members	
Austria	
Croatia	
Denmark	
France	
Germany	
Greece	

Founding Members	
Ireland	
Italy	
Luxembourg	
Netherlands	
Slovenia	

2014 +	
Belgium	
Lithuania	
Portugal	
Serbia	
Switzerland	

Network of Contributions



DARIAH-EU

Digital Research Infrastructure
for the Arts and Humanities

About

Contributions

Activities

Library

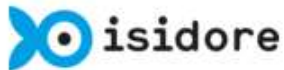
[Home](#) / [Contributions](#)

Contributions

DARIAH aims to offer a wide range of contributions to the DARIAH community.

Search our contributions:

Go



Service integration, data
interconnect research and
education

DIGHUMLAB

Denmark's first digital
humanities laboratory



digital arts & humanities PhD
the structured PhD

Contributions Navigator

Select by country

Austria

Belgium

Croatia

Denmark

France

Germany



Network of Services



Open access repository

Academic blogging

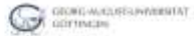
A screenshot of the hypotheses.org website. The header includes the text "ACADEMIC BLOGS" and "hypotheses.org". Below the header is a navigation menu with links for "ABOUT", "CATALOGUE", "TRAINING SESSIONS", "INTERNATIONALIZATION", "JOIN HYPOTHESES", and "CONTACT US". A main banner features a stylized illustration of a woman's face with the text "Women in Academia" and "Facts, Just Cold Hard Facts". A "READ MORE" link is visible. At the bottom, there is a pagination bar with numbers 1 through 24 and a double bar icon.

A screenshot of the HAL open access repository website. The header includes the HAL logo and the text "Sciences de l'Homme et de la Société". Below the header is a navigation menu with links for "Home", "Submit", "Browse", and "Search". A "Browse > By subject .." section lists various academic disciplines such as "Social Anthropology and ethnology", "Archaeology and Prehistory", "Biological anthropology", etc. A DARIAH-EU overlay is present, displaying the text "DARIAH-EU Digital Research Infrastructure for the Arts and Humanities" and a search bar. Below the overlay, a "Browse > Documents .." section shows a list of documents, including "Documenting some Uses of the Isidore Platform".

Scholarly events

A screenshot of the calenda website. The header includes the "calenda" logo and the text "LE CALENDRIER DES LETTRES ET SCIENCES HUMAINES ET SOCIALES". Below the header is a navigation menu with links for "Qui sommes-nous ?", "Inscription à la Lettre", "Plan de Calenda", and "Toutes les catégories". A main banner features the text "ÉVÈNEMENTS" and "23 078 ÉVÈNEMENTS". Below the banner is a search bar and a "S'ABONNER UN ÉVÈNEMENT" button. At the bottom, there is a footer with the text "Accueil - Accès et Authentification Infrastructures Workshop" and "Journale d'histoire ÉPISTÉMOLOGIE ET MÉTHODES".

Network of Services



Summer Schools

Scholarly Methods Ontology



Draft for Review: Taxonomy of DH Research Activities and Objects

Introduction

The following taxonomy has been developed for use by community-driven sites and projects that aim to make information relevant to digital humanities more easily discoverable. The taxonomy is expected to be particularly useful to endeavors aiming to collect information on digital humanities tools, methods, projects, or readings. The initial partners that have committed to adopting the taxonomy are DARIAH's [Zotero-based bibliography](#), the [DHET \(Digital Research Tools\) directory](#), and centerNet's [DHCommons project directory](#). DARIAH-EU has also committed to using this taxonomy as a basis for their development of a more complex ontology of digital scholarly methods, ensuring the continued updating and existence of the work presented here.

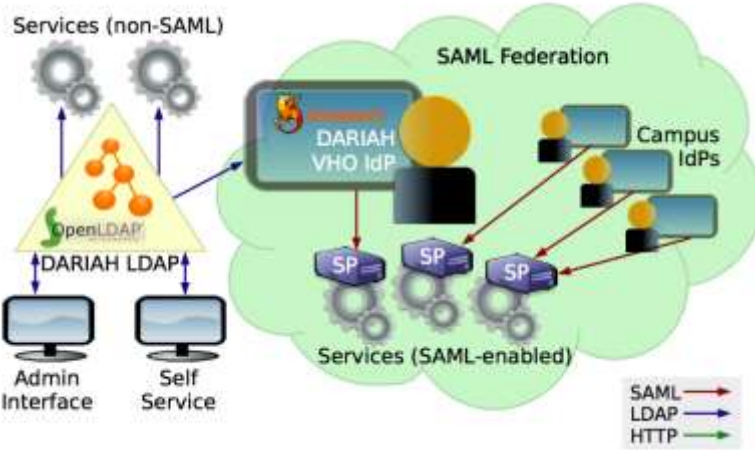
Multilingual training materials



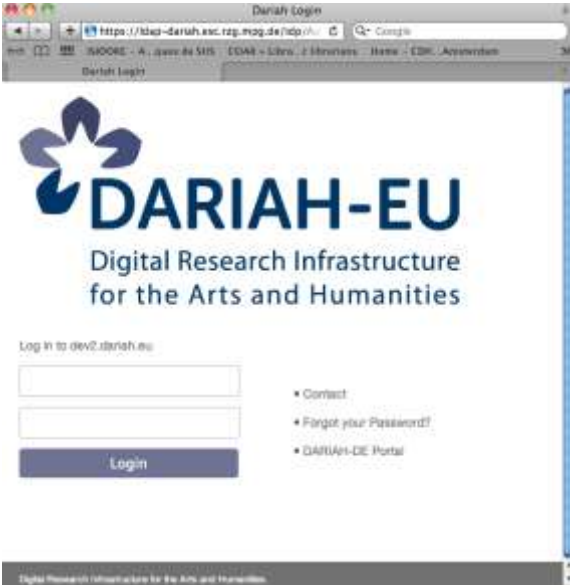
Network of Services



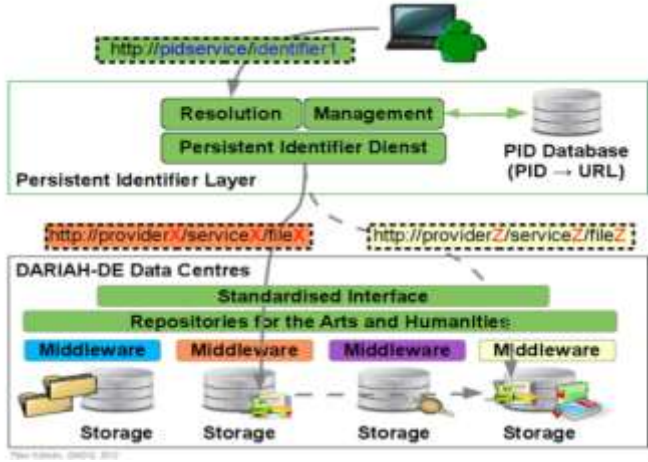
AAI Infrastructure



Collaboration Tools



Persistent Identification





Aurélien Berra @aurelberra

5 Sep

"Community Management is also infrastructure, it's social infrastructure" says @christof77, wisely #DARIAHeu

Expand

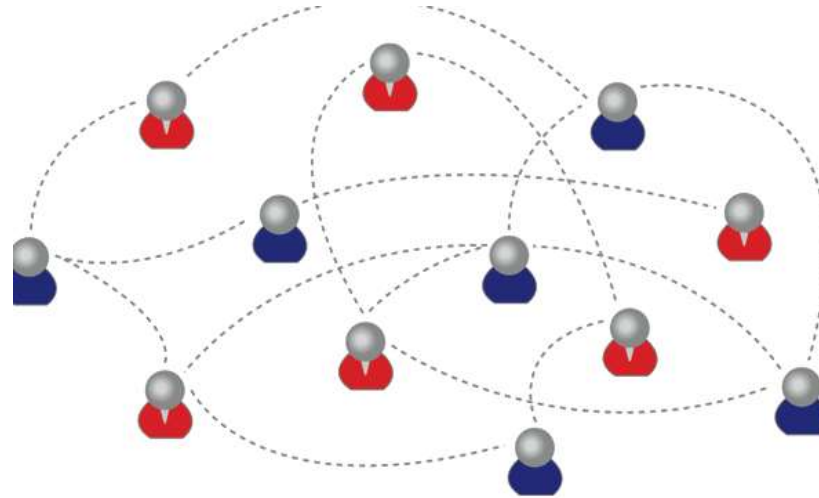


Erik Champion

DIGHUMLAB.dk

Researchers as INfrastructure

Network of research communities



Research projects within the humanities that have received national or European funding and whose work programme comprises of an important move towards using digital methods are a core stakeholder group for DARIAH activities

Image source: http://relenet.com/images/social-network_illu_farbig.png



Network of research communities



Archaeologists



Digital Scholarly Editions
Initial Training Network

Digital Textual
Scholarship



Medieval and
Modern Historians



Digital Methods



EUROPEAN HOLOCAUST
RESEARCH INFRASTRUCTURE

Holocaust Researchers



European Holocaust Research Infrastructure (EHRI)

www.ehri-project.eu



Log in Contact

E H R I

EUROPEAN **HOLOCAUST**
RESEARCH INFRASTRUCTURE

ABOUT EHRI NEWS & EVENTS EHRI RESEARCH EHRI PUBLICATIONS COMMUNITY HUB

search... SEARCH

LATEST NEWS

EHRI Workshop on 'Geography and Holocaust Research' at ITS
From 27th to 29th May 2013 the International Tracing Service (ITS) in Bad Arolsen hosted the EHRI...

International Symposium: Holocaust in South-East Europe

e-Newsletter for Experts in Holocaust Documentation

Supporting the Holocaust research community by opening up a portal that will give online access to dispersed sources relating to the Holocaust, and by encouraging collaborative research through the development of tools

Collaborative European Digital Archive Infrastructure (CENDARI) www.cendari.eu

[HOME](#) [ABOUT US](#) [LIBRARIES & ARCHIVES](#) [RESEARCH](#) [NEWS & EVENTS](#) [CONTACT US](#)



CENDARI

COLLABORATIVE EUROPEAN DIGITAL
ARCHIVE INFRASTRUCTURE

CENDARI IS A RESEARCH INFRASTRUCTURE PROJECT AIMED AT INTEGRATING DIGITAL ARCHIVES FOR MEDIEVAL AND MODERN EUROPEAN HISTORY



PROJECT BLOG

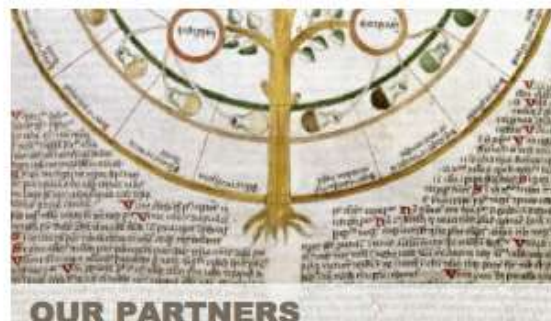
JOB OPPORTUNITY: RESEARCH FELLOW IN DIGITAL HISTORY AND COLLECTIONS

We are seeking to appoint a **Research Fellow in Digital History and Collections**.

[READ MORE ►](#)

PEOPLE IN CENDARI – MAUD MEDVES

I work for INRIA, the French research institute in computational science in Cendari technical



OUR PARTNERS



RESEARCH

is a research collaboration aimed at integrating digital archives and resources for research on medieval and modern European history.

Advanced Research Infrastructure for Archaeological Dataset Networking in Europe (ARIADNE)

www.ariadne-infrastructure.eu



ARIADNE

English
Register Login

About Services Events Resources News Partners

Ariadne

About Ariadne

ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and networks...

...aims to integrate the existing archaeological research data infrastructures so that researchers can use the various distributed datasets with new and powerful technologies, as an integral component of archaeological research methodology.

Network for Digital Methods in the Arts and Humanities (NeDiMAH)

www.nedimah.eu

The screenshot shows the NeDiMAH website homepage. The header features a teal navigation bar with links for HOME, ABOUT NEDIMAH, NEWS, CALLS FOR PAPERS, and EVENTS. A search bar is located in the top right. The main content area has a large teal heading 'WELCOME TO NEDIMAH' followed by the subtitle 'Network for Digital Methods in the Arts and Humanities'. Below this, there is a paragraph of text and a 'read more' button. On the left side, there is a sidebar with a dark teal header containing the NeDiMAH logo and name, and three menu items: 'Our Mission', 'Workgroups', and 'Contact'. At the bottom left, there is a logo for the European Science Foundation.

Themes:

- Space and time
- Visualisation
- Linked data & ontologies
- Digital Data
- Large-scale text
- Scholarly digital editions

Digital Scholarly Editions Initial Training Network (DiXiT)

<http://dixit.uni-koeln.de/>

DiXiT
Digital Scholarly Editions
Initial Training Network

European Union
SEVENTH FRAMEWORK PROGRAMME
MARIE CURIE ACTIONS

Home
Project Programme
Partners
Fellows
Contact

DiXiT → Home

DiXiT is an international network of high-profile institutions from the public and the private sector that are actively involved in the creation and publication of digital scholarly editions.

DiXiT offers a coordinated training and research programme for early stage researchers and experienced researchers in the multi-disciplinary skills, technologies, theories, and methods of digital scholarly editing.

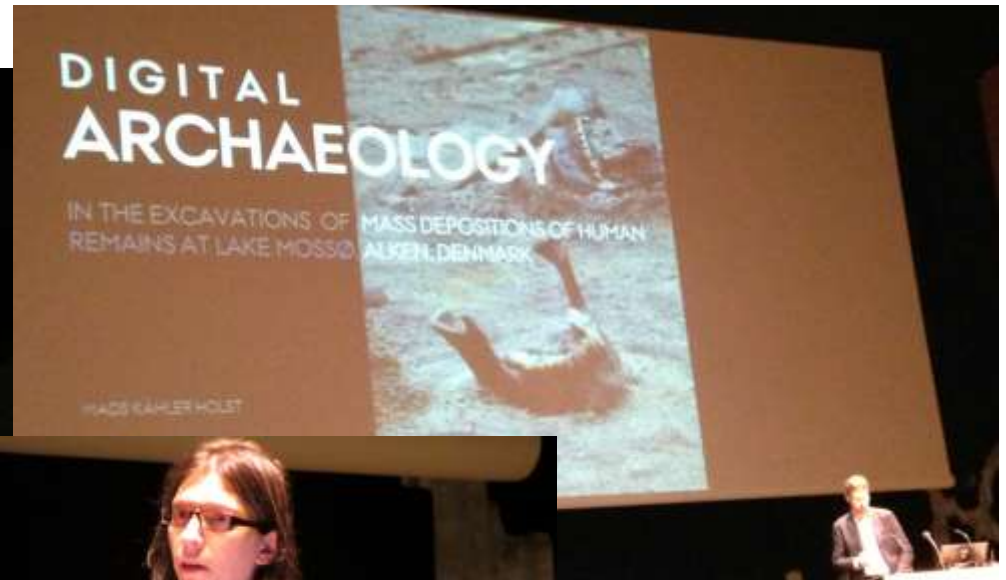
DiXiT is funded under Marie Curie Actions within the European Commission's 7th Framework Programme and runs from September 2013 until August 2017.

[Marie Curie Actions](#)
[European Commission](#)
[Seventh Framework Programme](#)

News
Monday, 08. July 13
Kick off Meeting in Rome,
30 Sept. - 1 Oct. 2013

... an international network offering coordinated training and research in digital scholarly editing...

For researchers, by researchers...

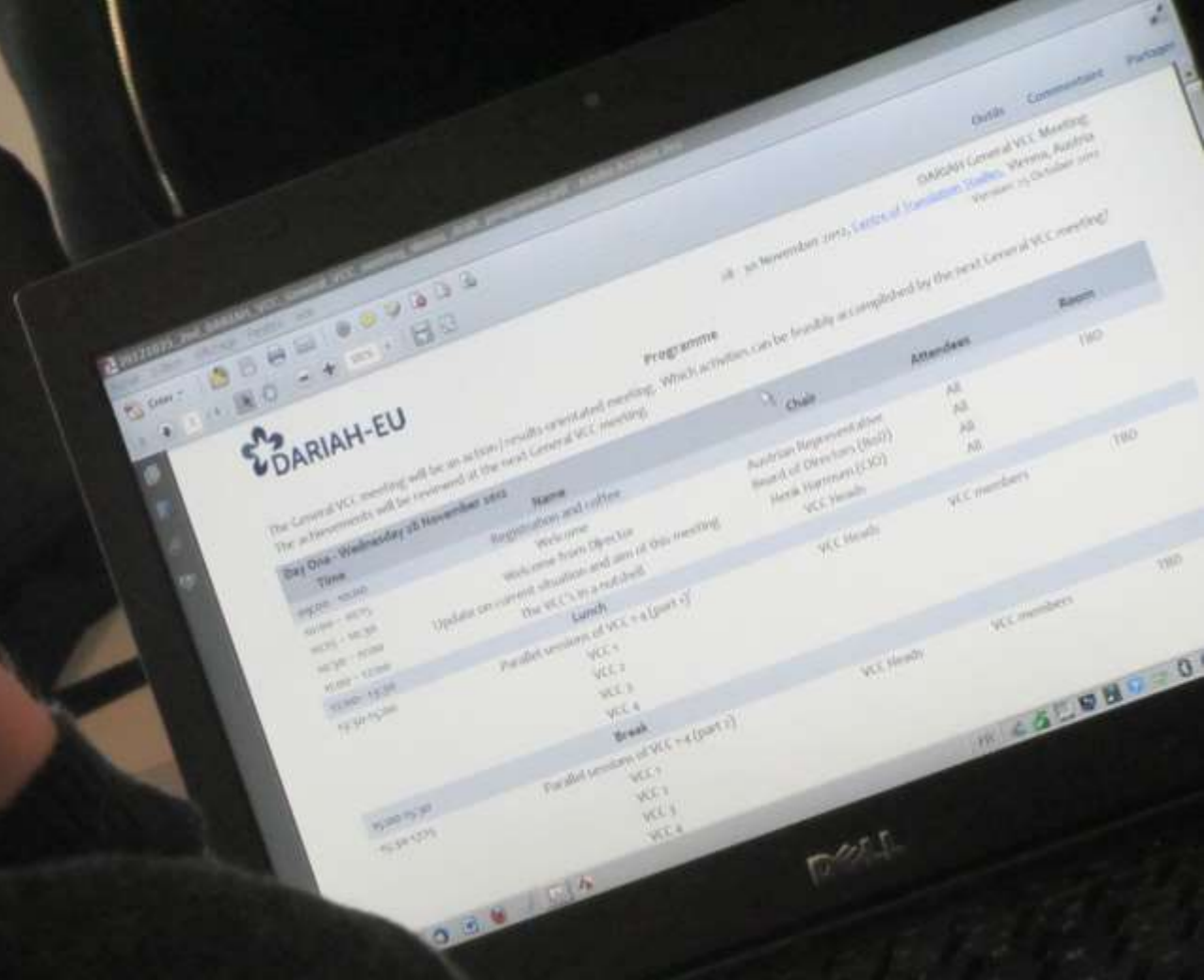


**Digital Literary
Studies**



Digital Medieval Studies

Is there a role for libraries in humanities research infrastructures?



Low engagement from libraries



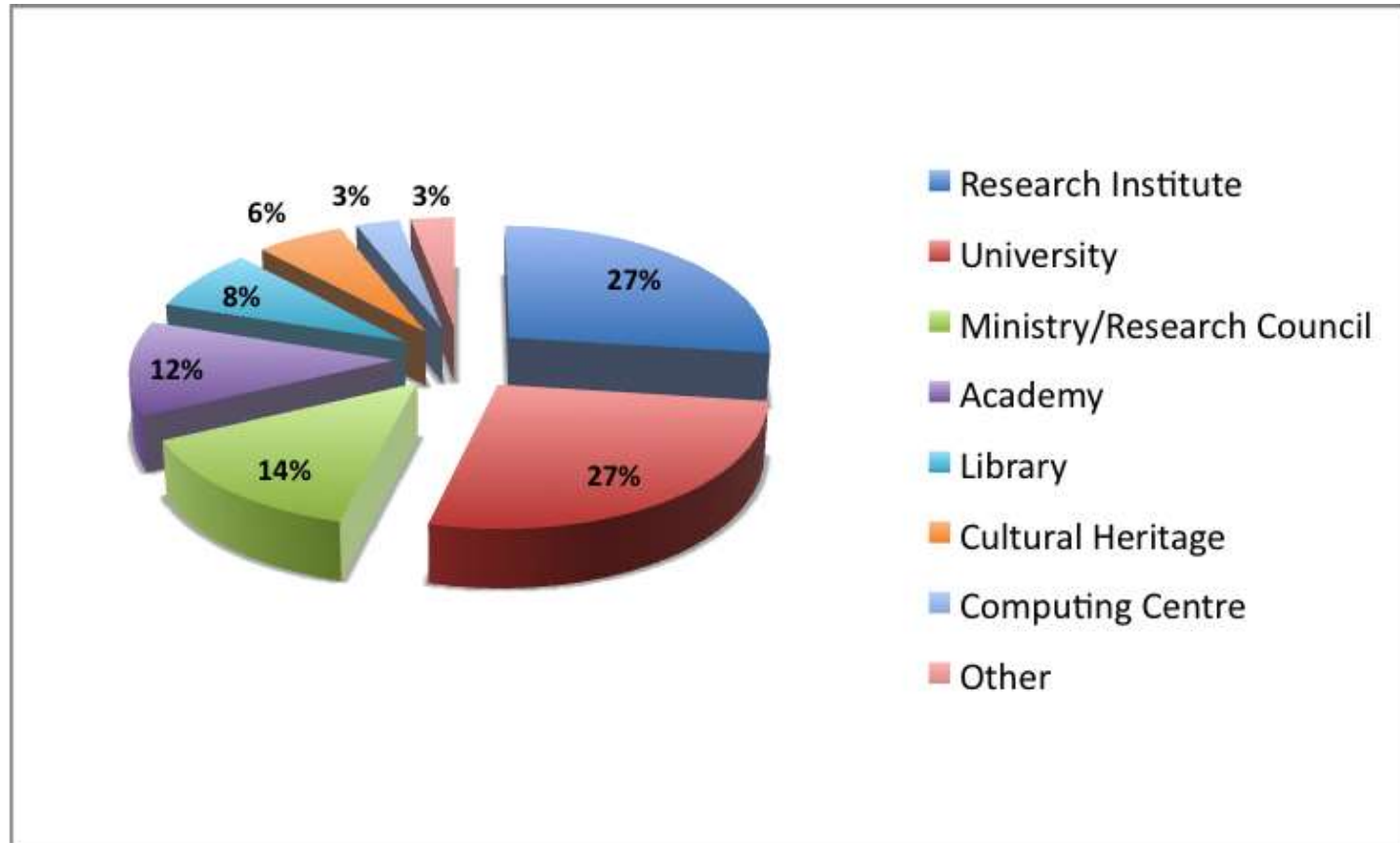
Norbert Lossau:
'Research libraries'
engagement with RIs
(research infrastructures)
has been low'. (p134)

A screenshot of the LIBER Quarterly journal website. The page features a header with the LIBER logo and the title 'LIBER QUARTERLY THE JOURNAL OF THE ASSOCIATION OF EUROPEAN RESEARCH LIBRARIES'. A navigation menu includes 'HOME', 'ABOUT', 'LOG IN', 'SEARCH', 'CURRENT', 'ARCHIVES', and 'ANNOUNCEMENTS'. The breadcrumb trail reads 'Home > Vol 21, No 3/4 (2012) > Lossau'. The article title is 'An Overview of Research Infrastructures in Europe — and Recommendations to LIBER¹' by Norbert Lossau, with contact information for Göttingen, HU Berlin. A Creative Commons Attribution 3.0 Unported License logo is visible. The abstract begins with 'Research infrastructures (RI) include major scientific equipment, scientific collections, archives, structured information and ICT-based infrastructures and services³. They support top-level research and can be organized at the national and regional level, at EU Member State, European and global level.' The left sidebar contains a 'USER' section with a login form and an 'INFORMATION' section with links for readers, authors, and librarians.

<http://liber.library.uu.nl/index.php/lq/article/view/8028/8387>

ca. 100 DARIAH Partner Institutions

... 8% are libraries



Increasing engagement from libraries



LIGUE DES BIBLIOTHÈQUES
EUROPÉENNES DE RECHERCHE
ASSOCIATION OF EUROPEAN
RESEARCH LIBRARIES

Research infrastructures present major opportunities for research libraries

HOME ABOUT NEWS BLOG ACTIVITIES EVENTS JOIN PARTNERS SPONSORS STRATEGY CONTACT US

SCHOLARLY COMMUNICATION & RESEARCH INFRASTRUCTURES

Scholarly Research

The *Scholarly Communication and Research Infrastructures Steering Committee* will work within two broad areas:

Scholarly Communication: with emerging topics such as linking publications to research data, combining licensing with open access or enhancing repository networks through 'services on top of repositories' such as usage statistics, text/data mining, research profiles etc. All of these work towards extending the goal of 'access' to the support of '(re-)use' of resources and metadata. Moreover, Gold Open Access holds opportunities to make OA publishing more comfortable for researchers and to combine this with deposit in repositories. Open Access policies on the level of the European Union – with a view towards the new funding programme Horizon 2020 – look promising to further enhance and align institutional, national and European approaches.

Research Infrastructures: the group will focus on those infrastructures which can support the development and evolution of new scholarly communication paradigms. This area will require new skill sets, for example, managing new information types such research data, as well as awareness of national/international standards and policies at a local level. Research Infrastructures also present major opportunities, for example raising the profile of research libraries with universities and national/European policy making bodies, to re-gain close working relationships with researchers but also for new services such as linking research literature to research data. Libraries have the potential to contribute to the development of research infrastructures with their knowledge and practice of re-use of metadata and data, their repositories, knowledge of standards, formats, interoperability, authorities, ontologies, networks, consortia, etc.

SCHOLARLY COMMUNICATION & RESEARCH INFRASTRUCTURES

- [Membership](#)
- [Implementation plan](#)
- [WG on Scientific Information Infrastructures](#)

CORE ACTIVITIES

- [Scholarly Communication and Research Infrastructures](#)
- [Reshaping the Research Library](#)
- [Advocacy and Communications](#)
- [EU Projects](#)

www.libereurope.eu/committee/scholarly-research

Understanding research practice



Mixed methods approach

- Questionnaire survey
 - Semi-structured interviews
 - Case studies
- Leveraging cooperation with the Europeana Cloud project and NeDiMAH



Digital Curation Unit
IMIS - Athena Research Centre

What do humanities researchers want?



1. Make it easy to use
2. Make it easy to cite
3. Put it in their workflow
4. Provide clarity on objects and processes
5. Build a community
6. Provide research support
7. Make the information easily reusable
8. Offer ways to visualise collections
9. Think about linked data
10. Provide a critical mass of content

<http://www.rin.ac.uk/humanities-case-studies>



What do humanities researchers want?



<http://www.sr.ithaka.org/sites/default/files/reports/supporting-the-changing-research-practices-of-historians.pdf>

What do humanities researchers want?



[Home](#) > [Digital curation events](#) > [Research Data Management Forum \(RDMF\)](#) > RDMF

RDMF10: Research data management in the Arts and Humanities

3 - 4 September 2013

St Anne's College, University of Oxford, Oxford

Overview

In recent times the principal focus for research data management protagonists has been upon scientific data, due perhaps to a combination of conspicuous Government or funder declarations with a bias towards the sciences and the very public consciousness of examples of 'big data', notably the output from CERN's Large Hadron Collider.

That is not to say that developments in the management of Arts and Humanities data have been absent, merely occluded. We aim to take

Presentations

- [Introduction](#) - Martin Donnelly, DCC
- [Keynote 1: "What's so different about Arts and Humanities data?"](#) - Professor David De Roure, Director, Oxford e-Research Centre
- [Keynote 2: "Err, what do I do with this? Exploring infrastructure requirements for visual arts researchers"](#) - Leigh Garrett, Director, Visual Arts Data Service
- [Researcher support and development requirements](#) - Simon Willmoth, Director of Research Management and Administration, University of the Arts London
- [Advocacy and outreach](#) - Stephanie Meece, Scholarly Communications Librarian, University of the Arts London
- [A researcher's view on Arts and Humanities data management/sharing \(with a focus on infrastructure needs and wants\)](#) - Dr Julianne Nyhan, Lecturer in Digital Information Studies, University College London
- [Data and the Sonic Art Research Unit](#) - Professor Paul Whitty and Dr Felicity Ford, Oxford Brookes University
- [Institutional case study: Research data management in the humanities: A non-Procrustean infrastructure](#) - Sally Rumsey, Janet McKnight and Dr James A. J. Wilson, University of Oxford
- [Linking institutional, national and international infrastructures](#) - Sally Chambers, DARIAH

<http://www.dcc.ac.uk/events/research-data-management-forum-rdmf/rdmf10-research-data-management-arts-and-humanities>

What do humanities researchers want?



A researcher's view on Arts and Humanities data management/sharing (with a focus on infrastructure needs and wants) - Dr Julianne Nyhan, Lecturer in Digital Information Studies, University College London

Some personal needs and wants

- Bridging management and sharing of physical and digital resources
- Federated search (including e.g. blogs) and better interlinking of results
- More documentation of 'interpretative' processes and interventions
- More use of standards
- Appreciation of the bespoke and striking a careful balance



<http://www.dcc.ac.uk/events/research-data-management-forum-rdmf/rdmf10-research-data-management-arts-and-humanities>

What do humanities researchers want?



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Édition d'un texte

Choisissez un texte à éditer dans la liste ci-dessous :

Lignes : 1-12 / 567 Page 1 of 48

Auteur	Titre	Date	Genre	HTML	PDF	TXT	XML	Source
ALAIN, Hubert	L'ÉPREUVE RÉCIPROQUE	1711	Comédie	HTML	PDF	---	XML	V. O.
Abbé d'ALLAINVAL	L'ÉCOLE DES BOURGEOIS	1728	Comédie	HTML	PDF	TXT	XML	V. O.
Abbé d'ALLAINVAL	L'HIVER	1733	Comédie	HTML	PDF	TXT	XML	V. O.
ANDRIEUX, François	ANAXIMANDRE	1784	Comédie	HTML	PDF	TXT	XML	V. O.
[Anonyme]	LES BONNES GENS	1772	Comédie	HTML	PDF	---	XML	
[Anonyme]	LE CLUB DES DAMES OU LE RETOUR DE DESCARTES	1784	Comédie	HTML	PDF	---	XML	V. O.
[Anonyme]	DIALOGUE ENTRE VOLTAIRE ET ROUSSEAU	1778	Comédie	HTML	PDF	TXT	XML	V. O.
[Anonyme]	LA MATINÉE DU COMÉDIEN FRANÇAIS	1785	Proverbe	HTML	PDF	TXT	XML	V. O.
[Anonyme]	LE PORTIER DU PARNASSE	1770	Comédie	HTML	PDF	---	XML	
[Anonyme]	LE PRIX D'UN MOMENT	1772	Comédie	HTML	PDF	---	XML	
[Anonyme]	OH ! VOILÀ BIEN LE DIABLE !	1772	Comédie	HTML	PDF	---	XML	
BAPTISTE et DU MOUTIER	MASCARADE DE LA FOIRE SAINT-GERMAIN	1668	Mascarade	HTML	PDF	---	XML	V. O.

<http://www.theatre-classique.fr>

How can we support the needs of humanities researchers?



RLUK Research Libraries UK

- ▶ Home
- ▶ About RLUK
- ▶ RLUK Contacts
- ▶ RLUK Members
- ▶ RLUK Events
- ▶ Projects & Services
- ▶ RLUK Groups
- ▶ RLUK News
- ▶ RLUK Database
- ▶ Publications & Downloads
- ▶ RLUK JobsBase (Beta)
- ▶ External Relations
- ▶ Feedback
- ▶ Login

The RLUK Newsletter

Re-Skilling For Research

RLUK has published a major report by Mary Auckland on the changing needs of researchers on the subject/liaison role within libraries.

As research activities evolve, research support must evolve with them. RLUK has investigated what the new requirements of researchers are, and how best these needs can be met. We want to place the needs of researchers in the context of the libraries current offerings and how they must change to fulfil the new demands placed upon us.

This report, *Re-skilling for Research*, takes us a long way to mapping these requirements at researchers' information needs and begins to outline the skills and knowledge that are needed to meet those needs. The Report offers a comparison of different models of library support and provides valuable comparisons of current job descriptions. Finally, issues around the training of subject librarians to acquire the additional skills and knowledge they will need to fulfil these needs are explored.

RLUK Research Libraries UK

Re-skilling for Research

An investigation into the role and skills of subject and liaison librarians required to effectively support the evolving information needs of researchers

Conducted for RLUK by Mary Auckland, OBE MSc HonFCIP

January 2012

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<http://www.rluk.ac.uk/content/re-skilling-research>

Does the library have a role to play in the digital humanities?



JISC Digital Infrastructure Team
Tolling on the digital infrastructure...

Does the library have a role to play in the Digital Humanities?

What role does the library have to play in the increasingly data driven, technologically evolving humanities?

Humanities and the social sciences have traditionally been disciplines aligned closely with the institutional library and its resources and services. Increasingly, in my conversations with librarians, there is a concern that while the library as a space remains popular, this masks a growing distance between the services the library provides and the needs and expectations of researchers (to say nothing of undergrads).

As subjects like digital humanities find themselves transformed by their engagement with technology, **is the library facing the threat of redundancy?**

There has been a flurry of research recently including the RLUK report: *Re-skilling for Research* and JISC Collections' *UK Scholarly Reading and the Value of Library Resources*, **exploring the evolving role of the library in supporting researchers.**

Similarly, *Ithaka S+R* in the US is exploring the changing support needs of scholars across a variety of disciplines. The researcher-centric programme has recently published a 'memo' on the interim findings of their NEH funded *History project* (they are also exploring *Chemistry*, funded by JISC). And, as the report makes clear:

Ben Showers: 'exploring the evolving role of the library supporting researchers'

- Discovery and Dissemination
- Managing Data
- As 'Embedded Librarians'
- Digitisation and Curation
- Digital Preservation

Other blogs from the Digital

'a researcher-centric approach needs to be adopted'

<http://infteam.jiscinvolve.org/wp/2012/02/23/does-the-library-have-a-role-to-play-in-the-digital-humanities/>

Does the library have a role to play in the digital humanities?



Miriam Posner: Blog

[About Miriam](#) [CV](#) [Projects](#)

Digital Humanities and the Library

A Bibliography

I originally prepared this bibliography for the Association of Research Libraries' [Digital Humanities SPEC Kit](#), an abstract of which is available [here](#). I try to update this list frequently. Additions welcome.

I know this list is a bit overwhelming, so I've placed in bold those resources that have been most influential on my own thinking — a very subjective measure!

Sections:

[Libraries in the Digital Age](#)

[Digital Humanities and the Library](#)

[Digital Humanities: Infrastructure and Evolution](#)

About me

My name is Miriam Posner, and I coordinate and teach in the Digital Humanities program at the University of California, Los Angeles. You can read more about me [here](#).

Archives

- [September 2012](#)
- [August 2012](#)
- [July 2012](#)
- [May 2012](#)
- [March 2012](#)

<http://miriamposner.com/blog/digital-humanities-and-the-library>

Supporting digital scholarship

Karen Calhoun:
'advocating a fundamental
rethinking of the research
library service framework...'



The image shows a screenshot of the D-Scholarship website. At the top left is the University of Pittsburgh logo and name. The main header features a glowing lightbulb icon and the text "D-Scholarship Institutional Repository at the University of Pittsburgh". A search bar with the text "@ Pitt" is visible. Below the header is a navigation bar with "Login" and "BROWSE BY: Year School Research Center Document Type". The main content area displays a search result for a paper by Karen Calhoun, titled "SUPPORTING DIGITAL SCHOLARSHIP: BIBLIOGRAPHIC CONTROL, LIBRARY COOPERATIVES AND OPEN ACCESS REPOSITORIES".

University of Pittsburgh

D-Scholarship
Institutional Repository at the University of Pittsburgh

Research libraries as 'essential contributors to emergent, network-level scholarly research infrastructures.'

[Login](#)

BROWSE BY: Year School Research Center Document Type

SUPPORTING DIGITAL SCHOLARSHIP: BIBLIOGRAPHIC CONTROL, LIBRARY COOPERATIVES AND OPEN ACCESS REPOSITORIES

Calhoun, Karen (2012) *Supporting Digital Scholarship: Bibliographic Control, Library Cooperatives and Open Access Repositories*. In: Catalogue 2.0. Facet Publishing, London. (Submitted)

<http://d-scholarship.pitt.edu/16084/>

Opportunities for libraries



The screenshot shows the homepage of the Association of European Research Libraries (LIBER). At the top left is the LIBER logo, a blue circle with the word 'LIBER' repeated around a central star. To its right is the text: 'LIGUE DES BIBLIOTHÈQUES EUROPÉENNES DE RECHERCHE' and 'ASSOCIATION OF EUROPEAN RESEARCH LIBRARIES'. Further right is a navigation bar with 'Login LIBER Intranet', a search box, and a 'Go' button. Below this is a blue navigation menu with links: HOME, ABOUT, NEWS, BLOG, ACTIVITIES, EVENTS, JOIN, PARTNERS, SPONSORS, STRATEGY, CONTACT US. The main content area is titled 'SCHOLARLY COMMUNICATION & RESEARCH INFRASTRUCTURES'. It contains two paragraphs of text. The first paragraph is under the heading 'Scholarly Research' and states that the 'Scholarly Communication and Research Infrastructures Steering Committee' will work in two broad areas. The second paragraph, under 'Scholarly Communication', discusses linking publications to research data and combining licensing with open access. The third paragraph, under 'Research Infrastructures', focuses on supporting the development and evolution of new scholarly communication paradigms. On the right side of the page, there are two sidebars. The top one is titled 'SCHOLARLY COMMUNICATION & RESEARCH INFRASTRUCTURES' and contains three links: 'Membership', 'Implementation plan', and 'WG on Scientific Information Infrastructures'. The bottom one is titled 'CORE ACTIVITIES' and contains two links: 'Scholarly Communication and Research Infrastructures' and 'Reshaping the Research Library'.

- Raise the **profile** of the research library
- Regain **close working relationships with researchers**
- **New services**, e.g. Linking publications and research data
- **Contributing knowledge** in metadata, repositories, ontologies etc.

www.libereurope.eu/committee/scholarly-research

360 degree research lifecycle



Research360
Managing data across the institutional research lifecycle

ABOUT TEAM & PARTNERS DISSEMINATION OUTPUTS CONTACT US

Categories: Administration Events General Outreach Progress updates Technology Train

About

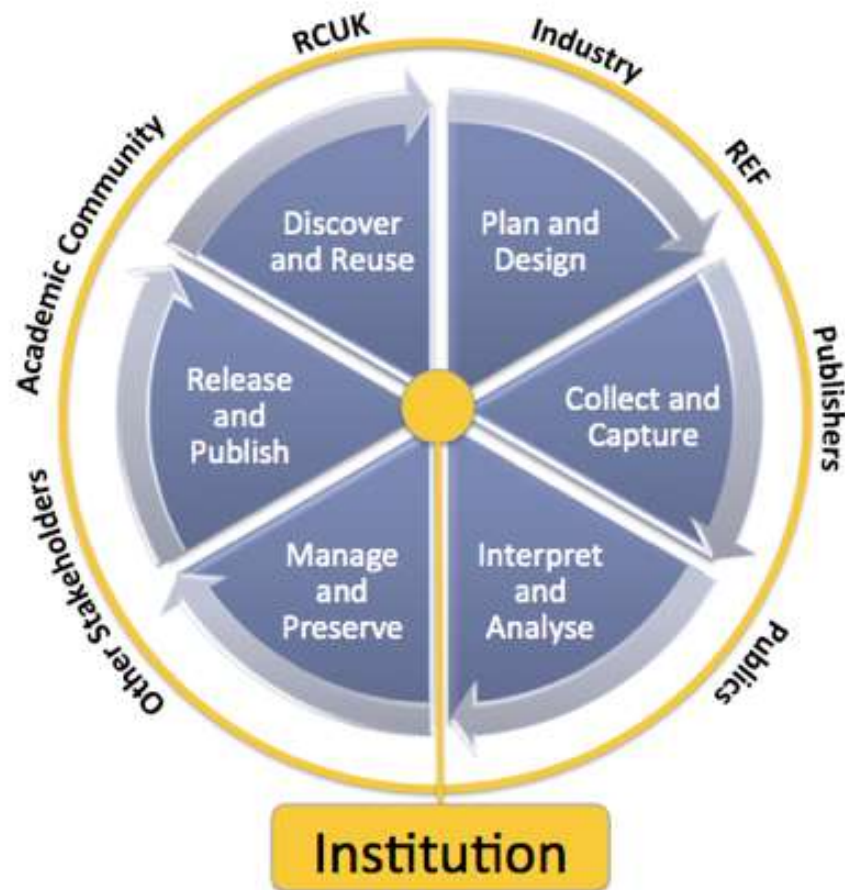
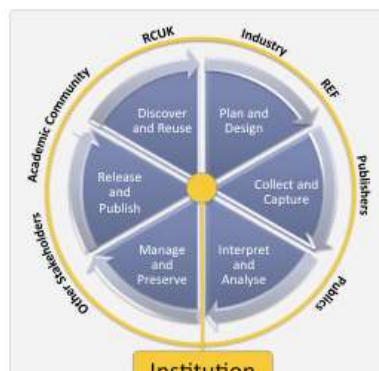
The Jisc-funded Research360 Project will develop **technical and human infrastructure for research data management** at the University of Bath, as an exemplar research-intensive university.

Key objectives

See also: [project outputs](#)

The project will:

- › Build on a 360-degree institutional research lifecycle model which is transferable to other research-intensive HEIs;
- › Focus in particular on issues and challenges that arise from private sector partnerships and research collaborations;
- › Describe the roles and



Research360 Institutional Research Lifecycle

<http://blogs.bath.ac.uk/research360/about/>

Libraries and Research Data Management

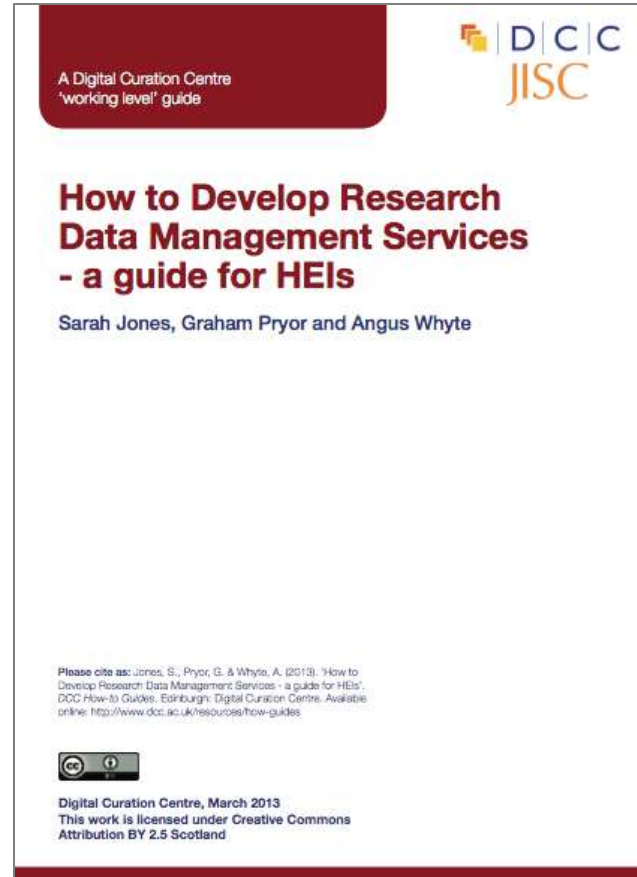


www.libereurope.eu/news/ten-recommendations-for-libraries-to-get-started-with-research-data-management

Ten recommendations for libraries to get started with research data management

1. Offer research data management support, including data management plans for grant applications, intellectual property rights advice and information materials. Assist faculty with data management plans and the integration of data management into the curriculum.
2. Engage in the development of metadata and data standards and provide metadata services for research data.
3. Create Data Librarian posts and develop professional staff skills for data librarianship.
4. Actively participate in institutional research data policy development, including resource plans. Encourage and adopt open data policies where appropriate in the research data life cycle.
5. Liaise and partner with researchers, research groups, data archives and data centers to foster an interoperable infrastructure for data access, discovery and data sharing.
6. Support the lifecycle for research data by providing services for storage, discovery and permanent access.
7. Promote research data citation by applying persistent identifiers to research data.
8. Provide an Institutional Data Catalogue or Data Repository, depending on available infrastructure.
9. Get involved in subject specific data management practice.
10. Offer or mediate secure storage for dynamic and static research data in co-operation with institutional IT units and/or seek exploitation of appropriate cloud services.

Libraries and Research Data Management



<http://www.dcc.ac.uk/resources/how-guides/how-develop-rdm-services>

Libraries and Research Data Management



DATABANK search data packages Search

Silo ● Data packages ● File names ● Any ●

home browse about oai-pmh endpoint Login

About Databank

Databank is being developed by the [Bodleian Digital Library Systems and Services](#) of the [University of Oxford](#) as a part of the [Dataflow project](#)

DataFlow is creating a two-stage data management infrastructure that makes it easy for you and your research group to work with, annotate, publish, and permanently store your research data. You manage this locally using your own instance of [DataStage](#), while allowing your institution to deploy [DataBank](#) easily to preserve and publish your most valuable data packages.

Published data packages have assigned DOIs to make them citable and to gain you academic credit.

Want to test-drive the system? Help develop it? [Learn more](#) and [Join us!](#)

Databank poster presented at OR 2012

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Databank API

<https://databank.ora.ox.ac.uk/about>

Linking publications and research data



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NARCIS



The gateway to scholarly information in The Netherlands

> [Submit Content to NARCIS](#)

SEARCH



717,337
PUBLICATIONS

46,057
E-THESES

25,717
DATA SETS

54,921
RESEARCH

47,922
PEOPLE

2,909
ORGANISATIONS

1,802 beta release
ENHANCED PUBLICATIONS

Enhanced publications: ‘an Enhanced Publication is a new form of communication in science, where researchers make publications available online in conjunction with other material’

www.narcis.nl

Enhanced publication: a doctoral theses



Doctoral Thesis: Beckett, Derrida and the event of Literature

Project
Project
Tekst en transcendentie in Beckett en Derrida

Document
Doctoral thesis
Beckett, Derrida and the event of Literature

Aggregation
Doctoral Thesis: Beckett, Derrida and the event of Literature
Made by
DANS - NARCIS
Date Issued
2011-09-19
[More info](#)

Organization
University
Universiteit van Amsterdam

Person
Academic staff
H. Vries, de
PhD candidate
J.D. Szafraniec

Enhanced publication: archaeological research



Spoorverbreding VleuGel, vindplaatsen 5, 6 en 7

Collection

- Collection: Coupetekeningen
- Collection: Metadata
- Collection: Foto's
- Collection: Tabellen

Document

- Report: Dagrapporten
- Report: Spoorverbreding VleuGel vindplaats 4 | Inventariserend veldonderzoek | BAAC-rapport 03.137a

Aggregation

Spoorverbreding VleuGel, vindplaatsen 5, 6 en 7

Date Created: 2011-12-14T14:06:37.290Z

Date Modified: 2011-12-14T14:17:33.780Z

Made by: Michael Schuurig

Description

Organization

- Organization: BAAC bv
- Organization: s'-Hertogenbosch

Topic

- Topic: Archeologie: proefsleufonderzoek
- Topic: Karolingische tijd
- Topic: Nieuwe tijd: 1500 - heden | Middeleeuwen: 450 - 1500 nC
- Topic: Utrecht | Kaartblad: 31G | Gemeente Utrecht | Vleuten | Huis te Vleuten
- Topic: GIS Data
- Topic: afvletting | geul | gracht | periferie
- Topic: Infrastructuur - Percelering/verkaveling | Nederzetting, onbepaald

Beyond Institutional Repositories



Author manuscript, published in "International Journal of Digital Library Systems 1, 1 (2010) 44-61"

Beyond institutional repositories

*Laurent Romary, INRIA (Gemo research group) & Humboldt Universität zu Berlin
(Institut für Deutsche Sprache und Linguistik)

laurent.romary@loria.fr

<http://www.inria.fr/recherche/equipes/gemo.fr.html>

Unter den Linden 6, 10099 Berlin - <http://www.linguistik.hu-berlin.de/>

Chris Armbruster, Max Planck Society (Max Planck Digital Library)

armbruster@mpdl.mpg.de

Invalidenstrasse 35, D-10115 Berlin - www.mpdl.mpg.de

Executive Director, Research Network 1989 - www.cce-socialscience.net/1989

Abstract

The current system of so-called institutional repositories, even if it has been a sensible

Danger of institutional repositories becoming **digital cemeteries**
without good quality metadata...

http://hal.archives-ouvertes.fr/docs/00/39/98/81/PDF/IJDLS_V1.5.pdf

Publication repository for DARIAH



The screenshot shows the HAL website interface. At the top, there are logos for 'archives ouvertes.fr', 'hal Sciences de l'Homme et de la Société', and 'UNIVERSITÉ LARCAIVE'. Below the logos is a navigation bar with 'Home', 'Submit', 'Browse' (highlighted), and 'Search' buttons. A search bar and user profile icon are also present. On the right, there are links for 'english version' and 'RSS'. The main content area is titled 'HAL: Human Sciences Repository' and features a 'Browse > By subject' section with a list of subjects: Social Anthropology and ethnology, Archaeology and Prehistory, Biological anthropology, Architecture, space management, Art and art history, Demography, Law, Economy and finances, Education, Classical studies, Environmental studies, Business administration, Cultural heritage and museology, Gender studies, Geography, History, and History, Philosophy and Sociology of Sciences. To the right, a preview of a document is shown, including the DARIAH-EU logo, the text 'Digital Research Infrastructure for the Arts and Humanities', and a list of navigation buttons (Home, Browse, Search). The document title is 'Documenting some Uses of the Isidore Platform' by David S., Mineel J.-L., and Pouyllau S. The document ID is [halshs-00795961 - version 1] (2013-03-01). The page also indicates '1 article' and '1 document'.



<http://halshs.archives-ouvertes.fr/>

Increasing visibility of humanities research



RANKING WEB OF REPOSITORIES

Universities Hospitals Business Schools Research Centers

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TOP PORTALS

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About the Ranking

- Methodology
- Objectives








Resources

- Best Practices
- Links



www.mavir.net

Europe

ranking	World Rank	Instituto	Country	Size	Visibility	Files Rich	scholar
1	3	Europe PubMed Central		5	30	1	2
2	8	(1) CERN Document Server		8	54	2	13
3	9	HAL Institut National de Recherche en Informatique et en Automatique Archive Ouverte		27	28	5	17
4	10	Universiteit Utrecht Igitur Archive		404	22	24	6
5	12	HAL Sciences de l'Homme et de la Société		110	17	85	18
6	13	Munich Personal Repec Archive		135	21	69	24
7	15	(1) Universitat Autònoma de Barcelona Dipòsit Digital de Documents		54	57	10	11

<http://repositories.webometrics.info/en/Europe>

Scholarly work and open access

A screenshot of a web browser showing a blog post on the Hypotheses platform. The browser's address bar shows 'Bag of tags > Scholarly work and Open Access'. The page header includes navigation links for 'OpenEdition', 'OpenEdition Books', 'Reves.org', 'Calende', 'Hypotheses', 'Newsletters and alerts', and 'OpenEdition Freemium'. A search bar is visible on the right. The main content area features a 'Bag of tags' section with a large image of a tree-lined path. Below the image are links for 'Home', 'About', and 'Credits'. The post title is 'Scholarly work and Open Access', posted on July 30, 2013, by Laurent Romary. The text of the post discusses the importance of disseminating research results and the role of peer review.

OpenEdition | OpenEdition Books | Reves.org | Calende | Hypotheses | Newsletters and alerts | OpenEdition Freemium | Search

Research blogs | Bag of tags > Scholarly work and Open Access

Bag of tags

Home | About | Credits

← TBX goes TEI | Morpho-syn

Scholarly work and Open Access

Posted on July 30, 2013 by Laurent Romary

The whole idea of scholarship is oriented towards maximising the dissemination of research results. Carrying out a research activity is all about exploring territories, where knowing what the others are doing, what their most recent advances are, what projects are being undertaken, is essential to make sure that one's own research actually goes beyond the state of the art and can be situated within a larger corpus of discoveries. Communicating results is thus an essential activity in one's academic life, all the more that the assessment of such communications through peer review mechanisms impact on the capacity to get institutional recognition and thus financial means to carry out further research.

This is the context in which research organisations should be designing their own Open Access (OA) policies in order to help researchers to get access to existing publications (traditionally through journal subscriptions), publish their own results to a wide audience (by means of publication repositories^[1]) and manage associated research assets (laboratory notes, observations, primary sources, databases). This has been made particularly difficult in the recent years because of the incredible increase in publication

Scholarly **blogging** as a ‘first layer of scholarly publication’ ...
‘**curated by librarians** in a coherent way’ ... ‘changing the roles of research libraries, so they can provide the **necessary editorial support** in such environments’

<http://tags.hypotheses.org/18>

DARIAH across Europe



ACADEMIC BLOGS
hypotheses.org

Publication platform for academic blogs, enabling researchers to provide real-time updates of developments in their own research

ABOUT CATALOGUE TRAINING SESSIONS INTERNATIONALIZATION

DE.HYPOTHESES.ORG ES.HYPOTHESES.ORG FR.HYPOTHESES.ORG

A screenshot of a blog post on the hypotheses.org website. The main heading is "Women in Academia" in a large, white, serif font. Below it is the subtitle "Facts, Just Cold Hard Facts" in a smaller, white, sans-serif font. A "READ MORE" button with a right-pointing arrow is visible. The background features a stylized illustration of a woman's face with large, ornate braids and a yellow flower in her hair. At the bottom of the image, there is a credit line: "Crédit image : Ada Lovelace by The Ada initiative, license CC 0 Public domain dedication". Below the image is a navigation bar with numbered buttons from 1 to 24 and a pause icon.

<http://hypotheses.org/>

**The inside out library ...
the library as an actor in research and
learning environments of its users**

‘The success of the library is not when the librarians clap, but when the researchers do’

Norbert Lossau



DARIAH-EU General Meeting, Copenhagen, September 2013



**Digital Research Infrastructure
for the Arts and Humanities**



Questions?

DARIAH-EU Coordination Office
dariah-info@dariah.eu