Linking institutional, national and international infrastructures for digital arts and humanities research in Europe

Sally Chambers
DARIAH-EU Coordination Office

Image source: http://www.utsa.edu/today/images/graphics/diversity2.jpg
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...
11+ Countries

<table>
<thead>
<tr>
<th>Founding Members</th>
<th>Founding Members</th>
<th>2014 +</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>Ireland</td>
<td>Belgium</td>
</tr>
<tr>
<td>Croatia</td>
<td>Italy</td>
<td>Lithuania</td>
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<tr>
<td>Denmark</td>
<td>Luxembourg</td>
<td>Portugal</td>
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<tr>
<td>France</td>
<td>Netherlands</td>
<td>Serbia</td>
</tr>
<tr>
<td>Germany</td>
<td>Slovenia</td>
<td>Switzerland</td>
</tr>
</tbody>
</table>
ca. 100 Partner Institutions
Contributing to DARIAH-EU

In-kind

Image Source: www.giarrizzo-consulting.com/images/grassroots-header.jpg

Cash

Image Source: http://www.eurofxmarket.com/images/eurocoins.jpg
Establishing a European organisation

DARIAH is being established as a European Research Infrastructure Consortium (ERIC)

Featured in the European Strategy Forum on Research Infrastructures (ESFRI) Roadmap
Contributions

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

Contributions Navigator

Select by country
Austria
Belgium
Croatia
Denmark
France
Germany
Increasing visibility of contributions with Linked Data

www.rechercheidisore.fr/search/?source=10670/2.8uuw54
## Joining-up expertise

**DARIAH’s Virtual Competency Centres**

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCC e-Infrastructure</td>
<td>Will establish a shared technology platform for Arts and Humanities research. <a href="#">Read More</a></td>
</tr>
<tr>
<td>VCC Research and Education Liaison</td>
<td>Will expose and share researcher’s knowledge, methodologies and expertise. <a href="#">Read More</a></td>
</tr>
<tr>
<td>VCC Scholarly Content Management</td>
<td>Will facilitate the exposure and sharing of scholarly content. <a href="#">Read More</a></td>
</tr>
<tr>
<td>VCC Advocacy, Impact and Outreach</td>
<td>Will interface with key influencers in and for the Arts and Humanities. <a href="#">Read More</a></td>
</tr>
</tbody>
</table>
DARIAH across Europe

Understanding scholarly practice

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

www.dcu.gr
MPhil in Digital Humanities and Culture at TCD trains students in the theory of digital humanities and creation of digital artefacts—from digital scholarly editions to virtual worlds. The course provides a platform for a technically innovative research path within the humanities giving students the opportunity to engage with a new and dynamic area of research.
DARIAH across Europe

Collaboration Tools

DARIAH-EU
Digital Research Infrastructure for the Arts and Humanities

SUB
Niedersächsische Staats- und Universitätsbibliothek Göttingen

Persistent Identification

DARIAH-DE
AAI Infrastructure

SAML Federation

Services (SAML-enabled)

Services (non-SAML)

Admin Interface

Self Service

OpenLDAP

DARIAH LDAP

SP

SP

SP

SUB

Max Planck digital library
Digital humanities and social sciences research platform that collects, enriches and provides unified data access.

www.rechercheisidore.fr
DARIAH across Europe

Trusted digital repositories

www.datasealofapproval.org
HAL: Human Sciences Repository

DARIAH Collection

http://halshs.archives-ouvertes.fr/
DARIAH across Europe

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

http://hypotheses.org/
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
Research diversity

Disciplines cited in DARIAH country profiles
Visualised using: www.wordle.net

http://lecture2go.uni-hamburg.de/konferenzen/-/k/14017
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/
Internet Research

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

TextGrid: Digital editing – research – archiving

www.textgrid.de/en
... a digital infrastructure to facilitate researchers’ access to the Danish radiophonic cultural heritage including appropriate tools and a bibliography

www.larm-archive.org/about-larm/
Working with communities of practice

Network of affiliated projects

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

Erik Champion
DIGHUMLAB.dk

Researchers as INfrastructure
How do affiliated projects benefit from DARIAH?

- **DARIAH technical environment** (e.g. virtual machines, long-term archiving, single-sign on, collaboration space)
- **Expertise** in data modeling, standards for (meta-) data interoperability and virtual research environments
- **Sustainability** (research data, results and publications, establishment of a European legal entity – long term sustainability for fixed-term projects)
How does DARIAH benefit from affiliated projects?

- **Close links** with research communities, their research questions and methods
- Researchers with **clear needs** in terms of digital data management and tools
- Funded grassroots developments that can be **extended** to the European scholarly community
Network for Digital Methods in the Arts and Humanities (NeDiMAH)  
www.nedimah.eu

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/

... an international network offering coordinated training and research in digital scholarly editing...
European Holocaust Research Infrastructure (EHRI)

www.ehri-project.eu

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.
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

...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.
Welcoming new research communities

Social Sciences and Humanities:

A majority of proposals emanated from Humanities (about 60%), despite difficulties in classifying some highly multidisciplinary topics. The majority of the topics have been graded as high potential and with merit. Several topics could be linked to the activities of existing or upcoming Research Infrastructures established on the basis of the European Research Infrastructure Consortium (ERIC)\(^1\).

### Welcoming new research communities

Consultation on possible topics for future activities for integrating and opening existing national research infrastructures

Assessment report

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Topic title</th>
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<tr>
<td>SSH01/SSH17</td>
<td>European RI for Restoration and Conservation of Cultural Heritage</td>
</tr>
<tr>
<td>SSH02</td>
<td>RI for the Study of Industrial and of Labour Heritage in contemporary society</td>
</tr>
<tr>
<td>SSH03</td>
<td>RI for the Study of Religions in Europe</td>
</tr>
<tr>
<td>SSH05</td>
<td>Contemporary European History: European Holocaust Research Infrastructure</td>
</tr>
<tr>
<td>SSH07</td>
<td>RI for the cost-benefit analysis in support for research on social and fiscal policy measures</td>
</tr>
<tr>
<td>SSH08</td>
<td>RI on European Historical Population Research</td>
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<tr>
<td>SSH10</td>
<td>RI for the European Rock Art Research Archives</td>
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<tr>
<td>SSH11</td>
<td>Generations and Gender: A cross-national longitudinal data infrastructure for research on social cohesion and social inclusion</td>
</tr>
<tr>
<td>SSH13</td>
<td>Research Infrastructure for Citizen Science Outreach and Crowd Sourcing in the Social Sciences and Humanities</td>
</tr>
<tr>
<td>SSH15</td>
<td>RI for studying the role of intangible investment for economic growth</td>
</tr>
<tr>
<td>SSH18</td>
<td>RI for the Scientific Study of Music in Europe (Connecting Industry, Research and Users through Music)</td>
</tr>
<tr>
<td>SSH19</td>
<td>RI for Elections Studies in Europe</td>
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<tr>
<td>SSH23</td>
<td>RI for the study of the cultural role of historical inscribed materials</td>
</tr>
<tr>
<td>SSH24</td>
<td>RI for the Study of Slavery and its Legacies</td>
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### Mathematics and ICT:

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<td>ICT02</td>
<td>A Research infrastructure for the Study of Archived Web materials.</td>
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...linking institutional, national and international infrastructures...

...for researchers, by researchers...

... in all their diversity.
Questions?

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