

Digital Research Infrastructure for the Arts and Humanities

Linking Researchers to Open Science : DARIAH as an Enabler of Social Sciences and Humanities Research in a Digital Age









DARIAH is a pan-European digital research infrastructure for arts and humanities research

- Launched and added to the ESFRI Roadmap 2006
- Formally constituted as a European Research Infrastructure Consortium (ERIC) in 2014
- ESFRI Landmark since 2016



for the Arts and Humanities

DARIAH Members

Founding Members (15)

Austria 🌄 Belgium 📕 Croatia 🌉 Cyprus 💽 Denmark 🛃 France 🚺 Germany 🗮 Greece 😂 Ireland 🚺 Italy 🚺 Luxembourg 🌄 Malta 📜 Netherlands 🌄 Serbia 🌉 Slovenia 🚘

New Members Since 2014 (5)

Poland 🛁 Portugal 🌠 Bulgaria 🚘 Czech Republic 🔛 Bosnia and Herzegovina 🚺

Observer Country (1)

Switzerland

Cooperating Partners (11)

Finland 🖶 Hungary ズ Iceland 🗮 Latvia ズ Norway 🗮 Slovakia 🚘 Spain ጁ United Kingdom 💥 United States



for the Arts and Humanities

More than ...

23.7 m € funding leverage

- national capacity building
- new community onboarding
- improved efficiency
- innovation

> 650 publications

> 260 m platform sessions





Ok, so how does all this work?



DARIAH-EU - made up of European- and national-level elements

European Level:

- Working Groups
- Internal Committees (DARIAH Coordination Office, Joint Research Committee, Senior Management Team, National Coordinators Committee)

National Level:

- National Consortia
 - DARIAH-FR, DARIAH-BE, DARIAH-CH, etc



Diversity in Organization

DARIAH-IT: Building a Technical infrastructure based on data centers hosted around Italy **DARIAH-BE:** Consortium of universities, focus on national-level working groups to support & enable research **DARIAH-FR:** Consortium comprised of National Infrastructures, currently working to integrate regional research infrastructures. As well, funded national-level working groups **DARIAH-GR:** Partner Institutions each have a specific role, focusing on data hosting, research data, etc. **DARIAH-PL:** Building DARIAH-PL Labs, a distributed infrastructure that focuses on entire data lifecycle from collection, to manipulation, to publication and sharing **DARIAH-PT**: Building a national infrastructure, ROSSIO, to digitize, valorize, and make accessible Portuguese cultural heritage documents



But **concretely**, how can DARIAH enable me and my colleagues to conduct SSH research?



for the Arts and Humanities





The SSH Open Marketplace



Pillar 1: Marketplace of reusable tools, services, data and knowledge

Pillar Head: Laure Barbot

Email: laure.barbot@dariah.eu







Marketplace to facilitate fluid exchange of tools, services, data and knowledge

The centrepoint of this pillar is our ambitious plan to build an arts and humanities-friendly component for the European Open Science Cloud (**EOSC**), in the context of the SSHOC project.

Discover new and contextua workflows and datasets. <u>Re</u>		h in Social Sciences and Humanities: tools, services, training materials,	
All categories	•	Search	
	•		
	4		

The Marketplace is a discovery portal which pools and contextualises resources for SSH research communities: **tools, services, training materials, datasets and workflows**. The Marketplace highlights and showcases solutions and research practices for every step of the SSH research data life cycle. It is **sustained** by a joint effort between CESSDA, CLARIN, and DARIAH and an **Editorial Board**.





Horizon 2020 European Union Funding for Research & Innovation

Type of action & funding: Research and Innovation action (INFRAEOSC-04-2018)



- maximising re-use through Open Science and FAIR principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate governance model for SSH-EOSC

SSH Open Marketplace as one of the SSHOC services

SSH Open Marketplace

- Discovery portal for SSH
 resources
 - Tools & services
 - Training materials
 - Workflows
 - Datasets
 - Publications
- 3 guiding principles
 - Contextualisation
 - Curation
 - Community
- An SSH entry point to EOSC

marketplace.sshopencloud.eu

Tools & Services

All categories

Social Sciences & Humanities Open Marketplace

Training Materia

Discover new and contextualised resources for your research in Social Sciences and Humanities: tools, services, training materials,

Publication

Datase

Search

Report an issue

Contribu

Sign in

VICTORSH Open Marketplace This service is maintained by DARIAH, CLARIN and CESSDA as part of the SSH Open Cluster



Gephi is the leading visualization and exploration software for all kinds of graphs and networks.

Gephi is open-source and free. Runs on Windows, Mac OS X and Linux.



Go to Tool or service 🖄

Details

ACCESS

License: Common Development and Distribution License 1.0, GNU General Public License v3.0 only

Terms Of Use: Free

CATEGORISATION

Activity: Capturing, Modeling, Network Analysis, Spatial Analysis, Analyzing, Discovering, Visual Analysis, Content Analysis, Relational Analysis

Keyword: Models, Visualization, 2000s, visualization, graphs, french, R, faceted browser, graph streaming, recommended Language: English, Czech, Portuguese, Chinese Mode of use: Local application

CONTEXT

See also: https://www.youtube.com/watch?v=FLlv3xnEepw

CREATOR

Gephi Consortium

Website

Mathleu Bastlan

Source: TAPoR

GitHub: /gephi/gephi

Wikidata: Q5548660

INFORMATION CONTRIBUTORS



Gephi is the leading visualization and exploration software for all kinds of graphs and networks.

Gephi is open-source and free. Runs on Windows, Mac OS X and Linux.



Go to Tool or service ☑

Details

ACCESS License: Common Development and Distribution License 1.0, GNU General Public License v3.0 only

Terms Of Use: Free

Training & Workflows



Pedagogical resources to show you how to do accomplish tasks

 A key added-value of the Marketplace! Steps (9)

Workflows in SSH Open Marketplace



SSH Open Marketplace Governance "scheme"

3 ERICs service agreement

DARIAH, CLARIN & CESSDA signing a collaborative and **binding agreement** and giving resources to maintain and further develop the SSH Open Marketplace after the end of the SSHOC project.

Service provision ensured by ACDH-CH and PSNC

Clara Petitfils, Suzanne Dumouchel, Nicolas Larrousse, Edward J. Gray, Laure Barbot, Arnaud Roi, Matej Ďurčo, Klaus Illmayer, Stefan Buddenbohm, & Tomasz Parkola. (2021). D7.5 Marketplace - Governance. https://doi.org/10.5281/zenodo.5608487

The SSH Open Marketplace is designed as to support community curation. Contributors can add or enrich existing

Hands-on sessions are the main means

content via a user-friendly interface

Research communities /

User contributions

envisioned to support contributions.

Editorial Board & the day-to-day operations

Incl. moderators and administrators who take care of the maintenance, data quality and curation of the SSH Open Marketplace. They are also in charge of the community engagement.



This service is maintained by DARIAH, CLARIN and CESSDA as part of the SSH Open Cluster

Why put your resources in the SSHOMP?

Thanks to the SSH Open Marketplace, SSH researchers can:

- gain access to useful and well curated resources
- find and discover new digital methods
- easily understand and assess usefulness of a resource thanks to the contextualisation provided between the items of the catalogue
- promote their work, e.g. by adding information about the tool or workflow they develop
- actively involve in the SSH community data curation routines, becoming basic contributor or advanced curator

rketplace This service is maintained by DARIAH, CLARIN and CESSDA as part of the SSH Open Cluster



Training and Education: DARIAH-Campus



Pillar 2: Education and Training

Pillar Head: Vicky Garnett

Email: vicky.garnett@dariah.eu





Access to Education and Training

Research in a fast-changing environment requires a sustained access to new perspectives and methods. DARIAH aims on sharing new kinds of knowledge from broader networks in a wider variety of formats.

One expression of this pillar is **DARIAH-Campus**, a discovery framework and hosting platform for DARIAH learning resources.





Looking for learning resources?

DARIAH-CAMPUS is a discovery framework and hosting platform for DARIAH learning resources.

Visit DARIAH-Campus at https://campus.dariah.eu/en



Training and Education Resources at DARIAH

campus.dariah.eu

More than just Campus!

- DH Course Registry*
- DARIAH-Teach
- Friday Frontiers
- #TrainingTuesdays

*jointly run by DARIAH and CLARIN



Resources

Learn about different topics with online resources provided by DARIAH



Events

Missed a face-to-face DARIAH event? Check out what happened



Collections of external resources curated by the DARIAH team

Browse content

Choose a category to browse or search above



DARIAH-Campus

Interested in particular topics?

Browse learning resources based on their topic





DARIAH-Campus

Data Management is a set of practices and techniques used by researchers to ensure that their data is organised, structured and easily reusable for future research

Data management

 Resources can be entire courses, lessons, keynotes or videos.

MaDiH: Research Software Engineering Training

Hosted by King's Digital Lab (KDL) at King's College London, the workshop introduced participants to best practices in project management, the Agile Dynamic System Development Methods (DSDM) as well as various theoretical and practical approaches to digital cultural heritage.

99

Read more →

to data management in arts and humanities

Shaping new approaches

The DESIR Winter School provided a unique opportunity to learn about how to maximize the potential of scholarly resources and to take practical steps in opening up research in ethically and legally responsible ways.

Read more →

What Does Data Want?

Many academic disciplines use data

Transformations: What are the Big Challenges and Opportunities for Dataintensive Research?

What are the big challenges and opportunities for data-intensive research over the next ten years? This panel discusses digital transformations in the humanities and arts, data ethics and sovereignty, and infrastructure with impact. It features presentations by Dr James Rose (Indigenous Studies Unit, Melbourne School of Population and Global Health) on Data Sovereignty in a Colonial Context: Towards an Integrated National Governance Framework for Australia, Dr James Smithies (Director, King's Digital Lab) on Integrating DH into the longue

What Are We Talking about When We Talk about



CARIAH-CAMPUS

Home Resources Curricula Topics Sources Course registry Documentation Q

Winter School

SHAPING NEW APPROACHES TO DATA MANAGEMENT IN ARTS AND HUMANITIES

The main objective is to introduce scientific and academic communities in the arts and humanities to the principles and practices of responsible research and *Open Science*.

SESSION 1	Caring for data to shape the future
SESSION 2	What is Data in the Humanities?
SESSION 3	Data and Software citation practices and PIDs
SESSION 4	Open Research Notebooks
SESSION 5	Copyright and (Open) Licensing
SESSION 6	Data Management Plans
SESSION 7	Innovative publishing practices in the arts and humanities

About See the photos 

Working Groups



Pillar 3: Transnational and Transdisciplinary Working Groups

Pillar Head: Francesca Morselli

Email: <u>francesca.morselli@dariah.eu</u>

Twitter: @fra_





Working Groups, Hubs and other forms of Transnational and Transdisciplinary organisation Working Groups are interdisciplinary, transnational and are developed around emerging research themes. From Artificial Intelligence and Music to Women Writers in History to GeoHumanities, DARIAH currently has 20 active Working Groups.

https://www.dariah.eu/activities/working-groups-list/





What is a Working Group?

- A group of researchers, united by a common research interest, from all across Europe (and the world!)
 - Thus, a diversity of experience and academic traditions
- Bottom-up governance: By researchers, for researchers!
 - Directed by their co-chairs
 - Approved by DARIAH Senior Management Team, and accompanied by a member of DARIAH Coordination Office
- Grant money available every two years to finance projects



Digital Research Infrastructure for the Arts and Humanities

Working Groups Activities: 2021 at a glance







Ethics and Legality in the Digital Arts and Humanities

ELDAH - Ethics and Legality in the Digital Arts and Humanities

Ethics and Legality in the Digital Arts and Humanities (ELDAH)

Focus areas of interest:

- Privacy (do we trust the researcher? Confidentiality)
- Ethical issues (attribution and about abuse in research)
- Scholarly conduct (reviewing, publication, ...)
- Copyright (Reproduction / Provision / Use)
- (Open) Licensing





Ethics and Legality in the Digital Arts and Humanities

ELDAH - Ethics and Legality in the Digital Arts and Humanities

Ethics and Legality in the Digital Arts and Humanities (ELDAH)

Consent Form Wizard - https://consent.dariah.eu/

Guides you through process of generating a GDPR-compliant consent form but does not replace a lawyer, of course!



How to join a Working Group?

- Find a Working Group that piques your interest via the <u>DARIAH website</u>
- Find the names of the co-chairs, and send them an email
- If your favorite research area is not yet subject to a Working Group, you can create one yourself!



Policy and Foresight



Pillar 4: Policy and Foresight

Pillar Head: Dr. Erzsébet Tóth-Czifra

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Twitter: @etothczifra




Foresight and Policy

DARIAH is a strong voice for arts and humanities in Europe where research policies, in particular those with a technological element, are being discussed, as well as a translator able to bring those nascent policies to the communities, to allow them to prepare and consider the impact that may be coming in 5–10 years time.





Voice of Social Sciences and Humanities in EOSC

Digital Research Infrastructure for the Arts and Humanities



- Magnified our voice at the highest levels of European policy formation
- Making sure our needs are recognised within the EOSC







https://www.sshopencloud.eu

Open Science: Bringing forward open research cultures that are meaningful for humanists

Reducing the implementation gap is crucial not only because of the future and inclusivity of Open Science but also because of the future of Arts and Humanities Research

How to increase the profile of arts and Humanities within the Open Science paradigm?



Open Access books?

Small disciplines

Qualitative research

Materials

Open Source

Open Scholarship **Open Access** Preregistration **Open Data Open Educational**

Community Science

Open Notebooks

Equity, Diversity, Inclusion

Access to cultural heritage data?

0

Multilingualism?

Ready, set, explore, reuse!



Training materials on <u>DARIAH Campus</u> (contains Open Science!)



DARIAH Open blog





* Construction of Call Construction of Call

Not All Character N-grams Are Created Equal: A		Search
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OpenMethods platform



Open Science Helpdesk

Annual <u>bursary</u> for first Open Access monographs in Digital Humanities Forging an inclusive and innovative research infrastructure for scholarly communication in Social Sciences and Humanities. <u>https://doi.org/10.5281/zenodo.5017705</u>



Funding

nervi belli pecunia



DARIAH as an enabler for funding

On a broader, infrastructural level:

- DARIAH's European network facilitates the process of putting together consortium for project funding Horizon 2020 and Horizon Europe Projects, like SSHOC, Parthenos, etc
- DARIAH's proven expertise in the process of applying for European funding acts as a force multiplier In 2021, DARIAH Partners leveraged 23.7 million euros

For the individual:

- WG Funding call
- Open Access Book Bursary
- DARIAH Theme Call

ABOUT ~ NETWORK ~ ACTIVITIES ~ TOOLS & SERVICES ~

Q NEWS & EVENTS ~

2

DARIAH Theme 2022: Open call for proposals

DARIAH Theme Call 2022-2024: **Workflows**



DARIAH Theme 2022: Open call for proposals

By Eliza Papaki | DARIAH News Slides, News | August 11, 2022

The DARIAH Theme is a bi-annual thematic funding call, chosen for investment by the DARIAH Board of Directors. For 2022, we have chosen the topic of Workflows.

How to apply

To apply, please submit a proposal (3-4 pages in length) which will include:

- · A description of the goals of the project, an implementation plan and expected outcomes
- · An explanation of how your project will specifically address this year's DARIAH Theme
- The number of people involved in the project
- · The name and postal address of the budget holding institution administering the grant
- The name and e-mail address of the contact person of the budget holding institution which coordinates the project.
- A budget (no more than 1 page).

Applications must be submitted on the website https://dariahtheme2022.sciencesconf.org/ AND by e-mail to theme@dariah.eu.

Key dates

- Deadline for submissions: October 3, 2022
- Review process: until October 21, 2022
- Notifications to applicants: by the end of October 2022
- Signature Grant Agreements: November/December 2022
- · Start date of projects: Upon signature of Grant Agreement
- End date of projects: 30 June 2024



Events





DARIAH Friday Frontiers: Autumn/Winter 2022 Series

By Eliza Papaki | Home Page News, News | July 27, 2022

DARIAH is pleased to announce that it is opening its popular in-house webinar series 'Friday Frontiers' to the wider public for the first time in the upcoming Autumn/Winter 2022 series. The Friday Frontiers webinars allow researchers, practitioners and stakeholders from across the broad DARIAH community, and now beyond, to learn about current research, best practice and social impact, and different tools and methods in digital humanities scholarly practice.

The webinar sessions are all free to attend, but registration is required. Presentations are all recorded and published at a later date on DARIAH-Campus. The full details, along with information on how to register, can be found below:

Friday Frontiers

Friday 7th October, 10.30am IST / 11.30am CEST / 12.30pm EES "Has anyone cited a woman? Citational justice in the humanities, and elsewhere" - Sally Wyatt, Maastricht University Friday 11th November, 10.30am GMT / 11.30am CET / 12.30pm EET "Science Mapping in Immersive Architectures" - Dario Rodighiero, University of Groningen Friday 9th December, 10.30am GMT / 11.30am CET / 12.30pm EET "First-person digital storytelling on difficult heritage: Block 15 of the Haidari Concentration Camp" - Agiati Benardou, Athens University of Economics and Business / DCU Athena R.C.

More info here



DARIAH Annual Event 2022

Digital Research Infrastructure for the Arts and Humanities



- Hybrid event: in Athens and Online
- 30th May-3rd June
- First in-person event after the pandemic

https://www.dariah.eu/2022/06/28/recap-of-the-dariah-ann ual-event-2022-storytelling/ Mixture of Community meetings and conference presentations on the theme 'Storytelling'





DARIAH Annual Event 2023: see you in Budapest!

Host: Eötvös Loránd (ELTE) University, Budapest Dates: June 6-9th Chair: Sally Chambers Theme: Cultural Heritage Data as Humanities Research Data?



What is DARIAH? DARIAH is people & services





DARIAH Value Proposition



So what is in it for me and my community ?

- Building sustainable infrastructure by making resources available through DARIAH Services
- Sharing methods, tools, and knowledge through our network
- Opening opportunities to funding, either directly through DARIAH or projects
- Connecting scholars across Europe and the world

DARIAH is a force multiplier. We help strengthen your research through our connections and services. Everything you can do on your own, we believe that we can do **better, together**.



Digital Research Infrastructure for the Arts and Humanities

Kiitos paljon !

Edward J. Gray edward.gray@dariah.eu @GrayXVII

Digital Humanities on the Semantic Web: Finnish Linked Open Data Infrastructure and Its Applications Aalto University, 30 November 2022

