

Data spaces in dialogue: cultural heritage data as an essential resource for humanities research

**EOSC
SYMPOSIUM
2023**

#UnconferenceSession

Organiser: Europeana and DARIAH-EU

Date: Thursday 21st SEPTEMBER

Time: 3.40 PM – 4.40 PM

Room: PRISMA

#EOSCsymposium23

 eosoc

 EOSC Future

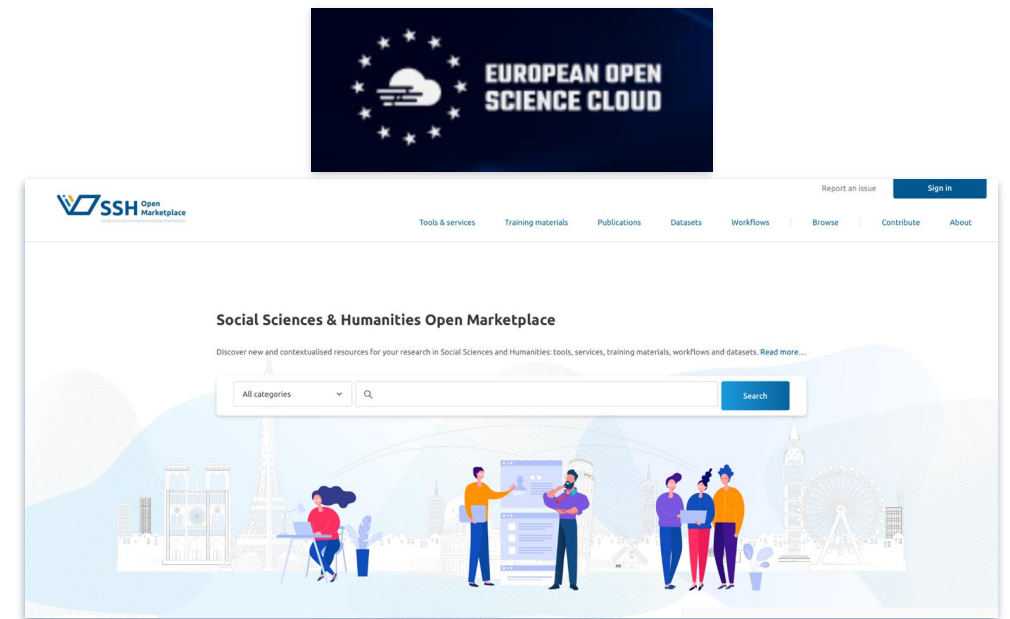
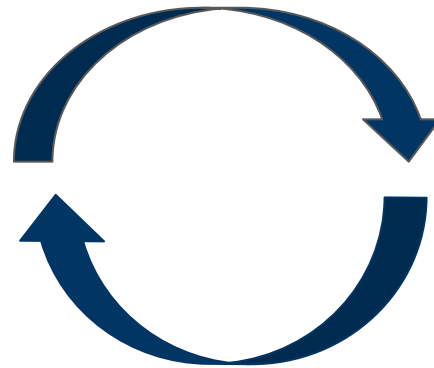
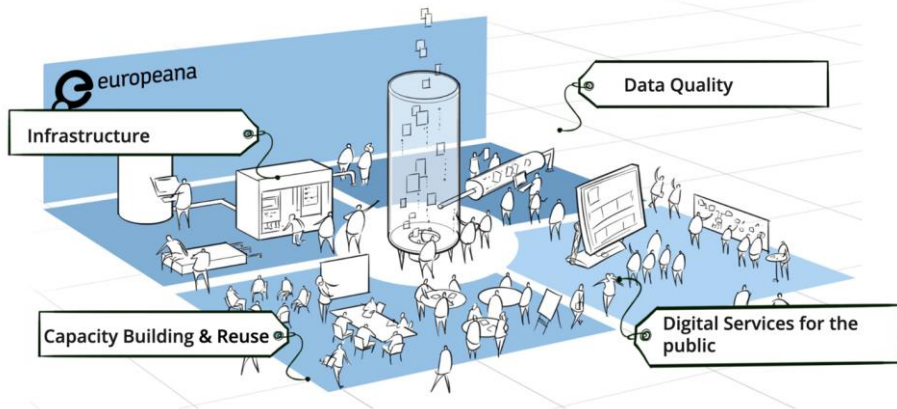
 EU23
SPANISH PRESIDENCY
COUNCIL OF THE EUROPEAN UNION



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the European Union

Data spaces in dialogue: cultural heritage data as an essential resource for humanities research

Unconference sessions



Alba Irollo



Sally Chambers



Data spaces in dialogue: cultural heritage data as an essential resource for humanities research

1. Welcome and Aims of the Session
2. Icebreaker
3. Introducing the common European data space for cultural heritage
4. Cultural Heritage Data as Humanities Research Data
5. Getting involved?



Breaking the ice!



🎓 HSVE

📁 General

📁 Objectives

📁 **Create the Event Plan**

📁 Materials

📁 Manuals

📁 Trainers directory

🏠 Home

📅 Calendar

Ice breakers - the best way to create a friendly atmosphere right now at the beginning of the virtual event.

What is an ice breaker?



Source: <https://www.evolutionculture.co.uk/making-learning-fun/>

Introducing the common European data space for cultural heritage



DATA SPACE for CULTURAL HERITAGE FACTSHEET



A flagship initiative of the EU to support the digital transformation of the cultural heritage sector, funded under the Digital Europe programme. It is one of 14 data spaces in strategic sectors and domains of public interest.



Currently being deployed by a Consortium led by the Europeana Initiative together with 18 partners.

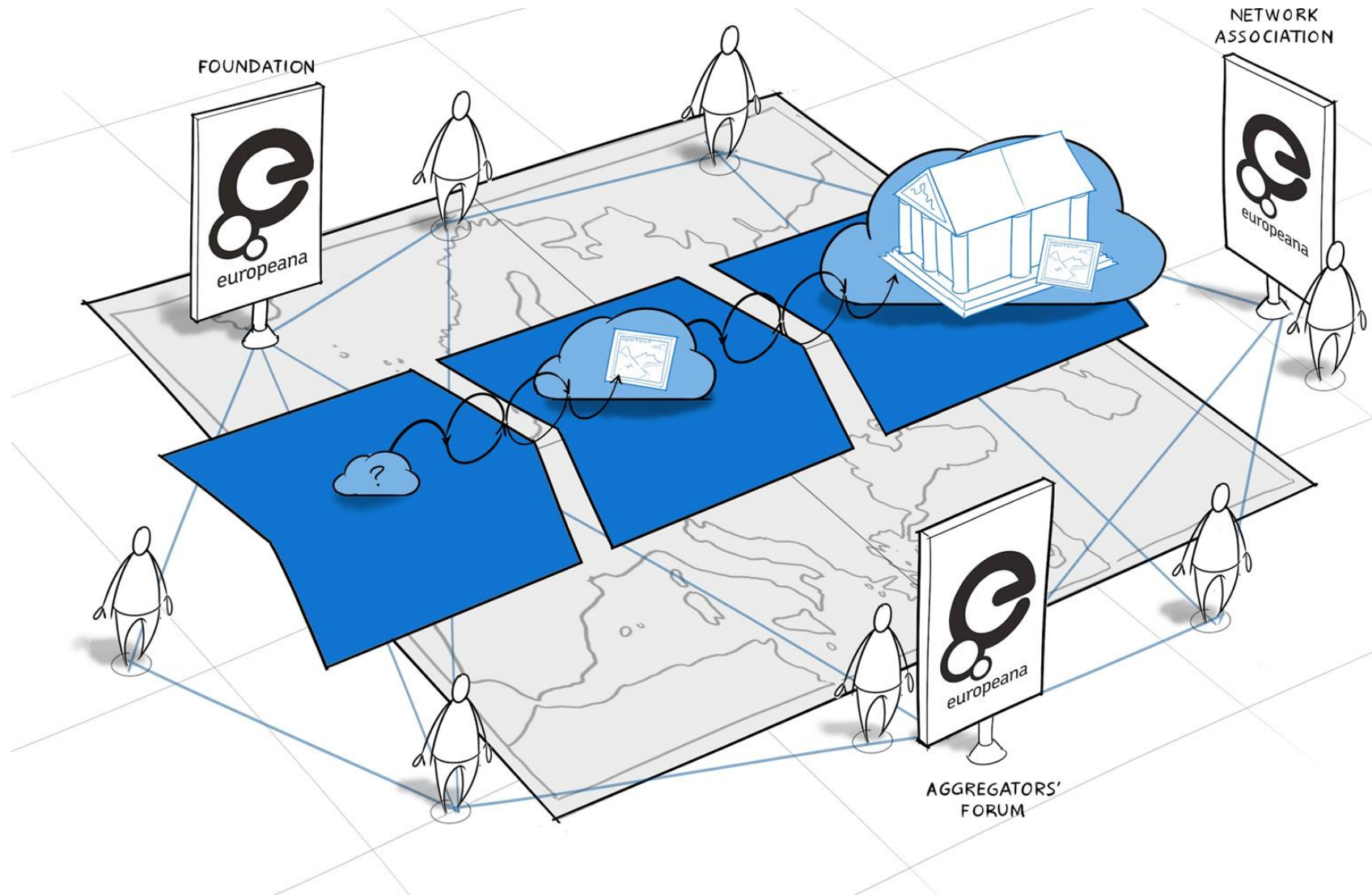


Building on and expanding Europeana's accomplishments over the past 15 years



Will be the main access point to cultural heritage data, with a focus on reuse and discovery purposes within and across sectors.

Europeana Initiative



4,200+ members
from all countries of
Europe (ENA)

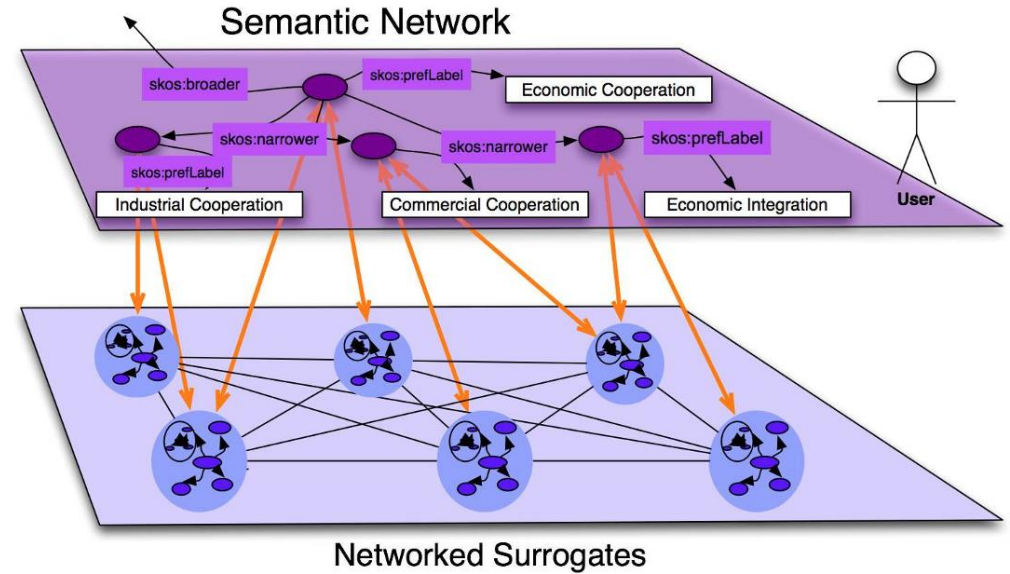
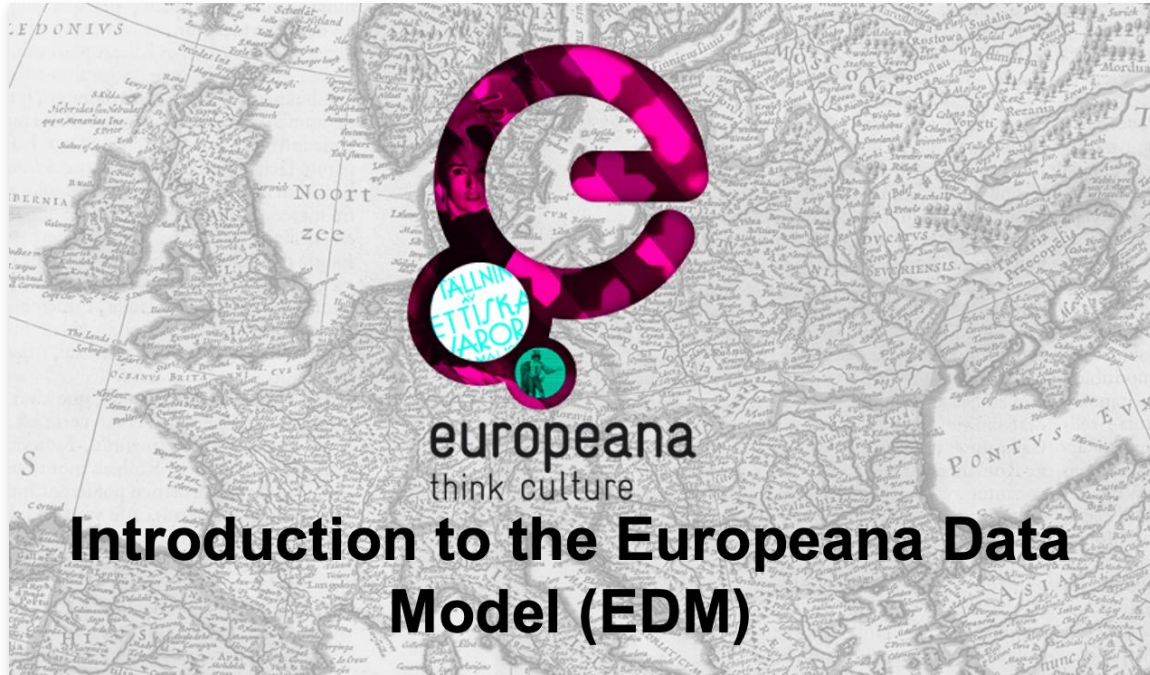
40 regional,
national, domain
and thematic
aggregators (EAF)

4,000 museums,
libraries and
archives (Content
providers)

27 Member States
(CEDCHE)

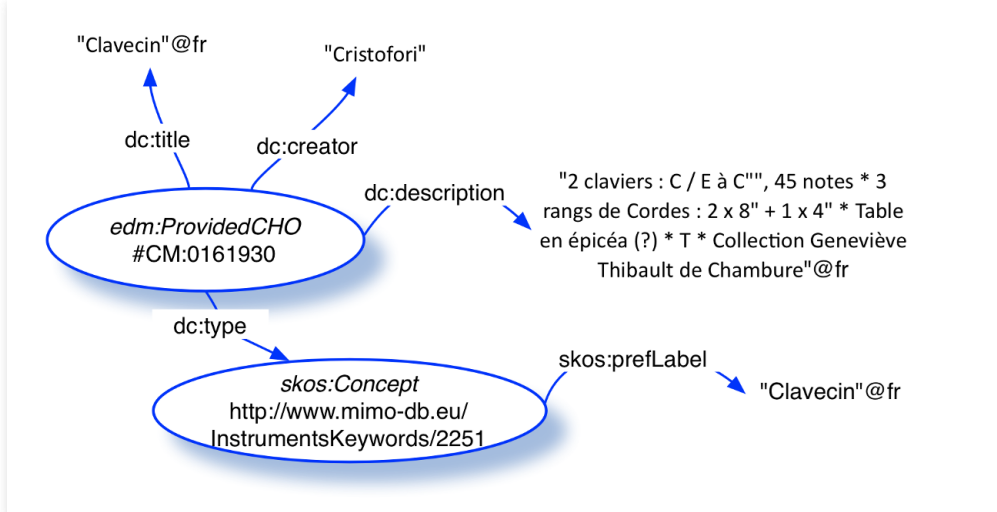
European
Commission

Europeana Data Model (EDM)

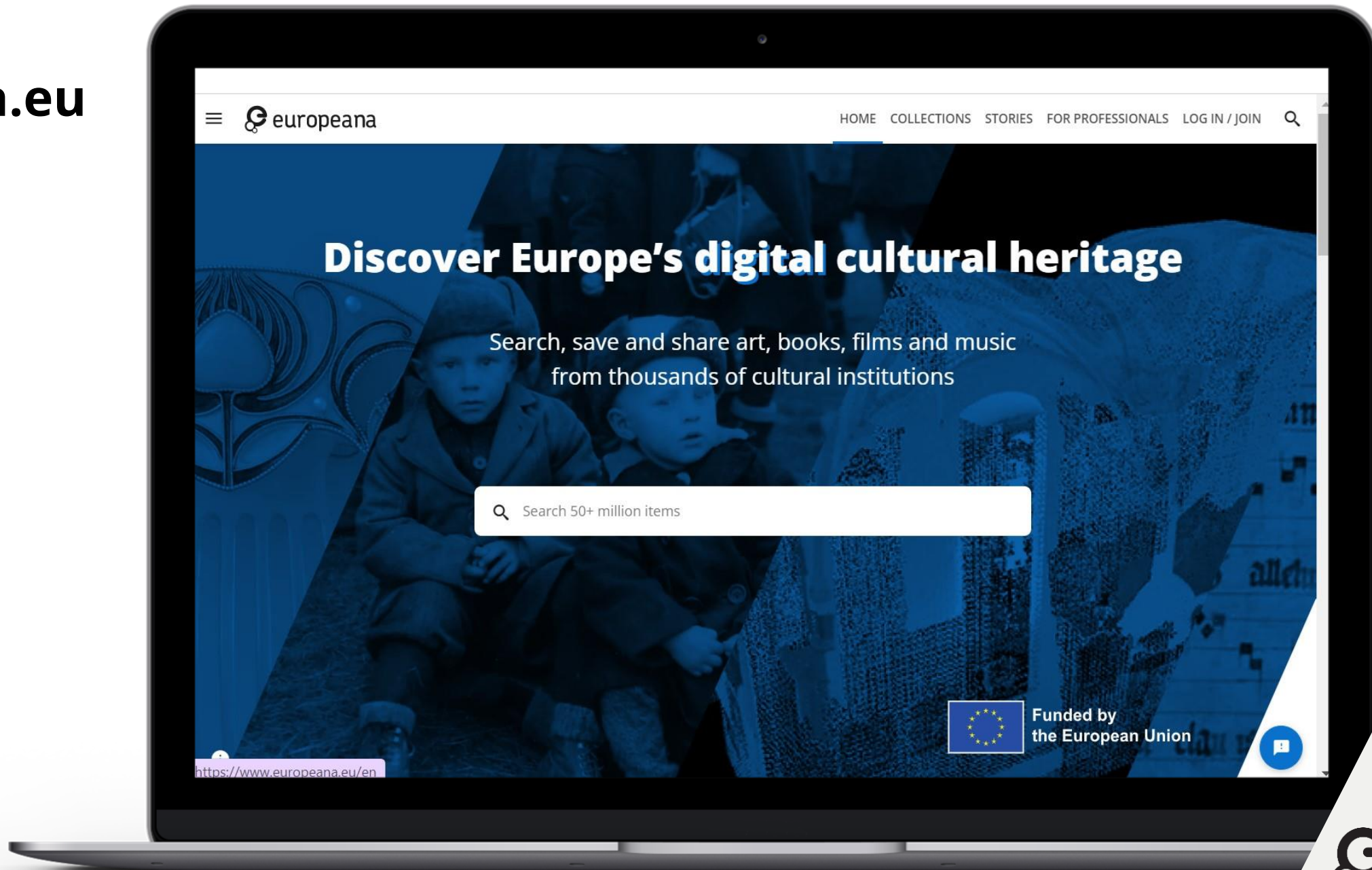


→ A semantic layer on top of Cultural Heritage objects

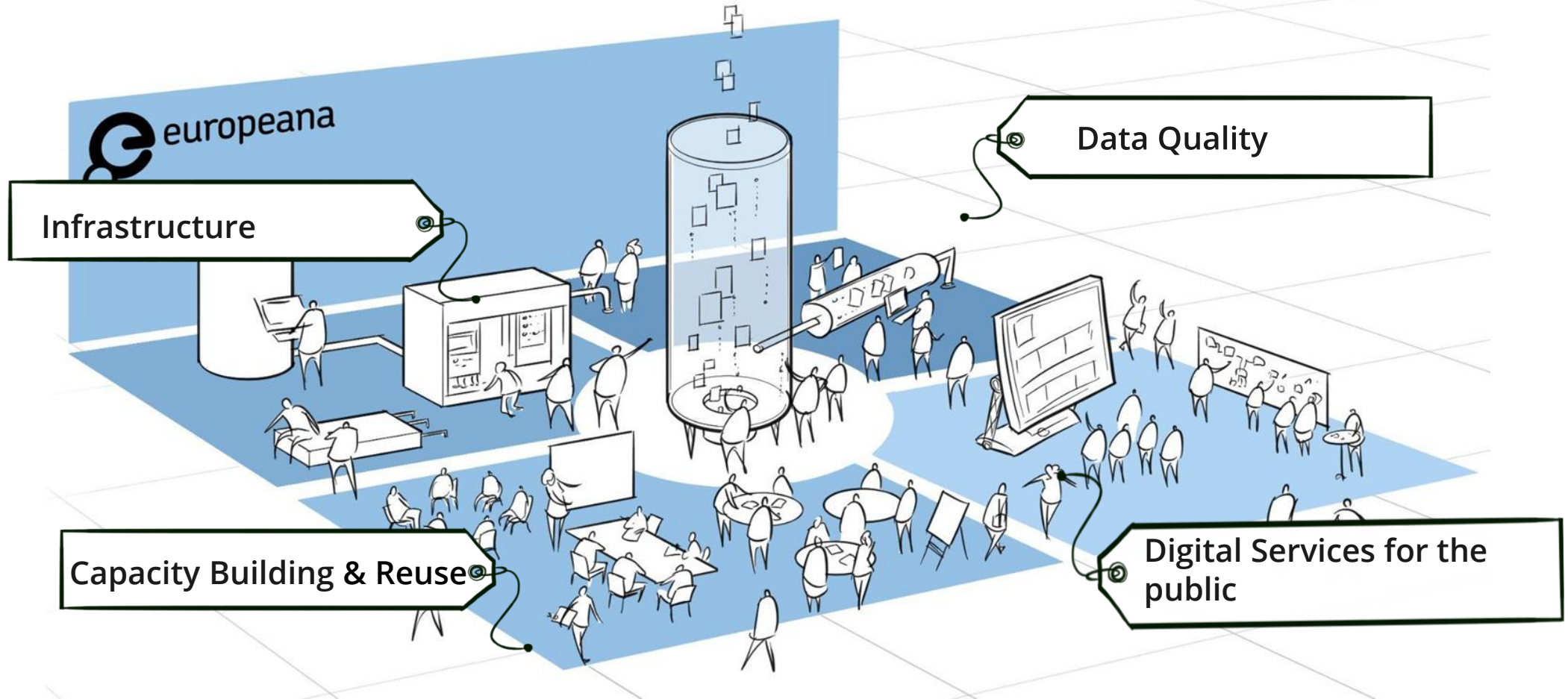
<https://pro.europeana.eu/page/edm-documentation>



Europeana.eu

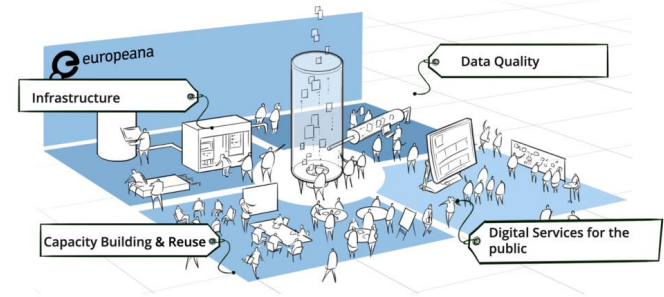


European data space for cultural heritage



<https://pro.europeana.eu/page/common-european-data-space-for-cultural-heritage>

What is a dataset?



Hannah Baker Hitzhusen

User Engagement Director, Europeana Foundation

What is a dataset? Share your thoughts!

With the Europeana Initiative at the heart of the common European data space for cultural heritage, Europeana Research asks: what is a dataset to you? Find out why and how you can share your thoughts.



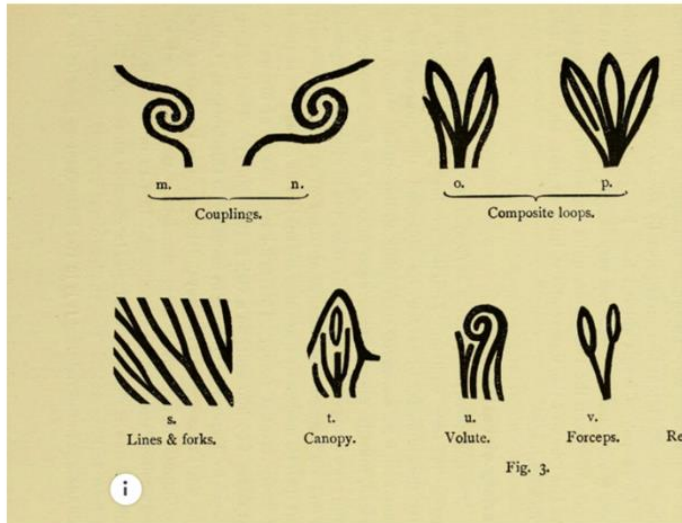
Alba Irollo

Research Coordinator, Europeana Foundation



Sally Chambers

Director, DARIAH



What is a dataset to you? What to consider

Think about a recent scenario where you needed to use cultural heritage data. Ask yourself:

- What sort of data structure did you prefer?
- What sort of information did you need or want about the dataset?
- What kinds of digital cultural heritage objects were part of your dataset?
- Who created the dataset (you or someone else, e.g. a cultural heritage institution)?
- How large was the dataset? How typical is this for datasets that you have used in the past? How large do you imagine you could ever need them to be?
- When you were using that dataset, what made your research or teaching activities easier?
- What, if any, obstacle did you encounter in trying to reuse that dataset?

<https://pro.europeana.eu/post/what-is-a-dataset-share-your-thoughts>

Cultural Heritage Data as Humanities Research Data



Cultural Heritage Data as Humanities Research Data

The screenshot shows the HAL website interface. At the top left is the HAL logo. At the top right, there is a language selector set to 'en' and a 'Sign in' button. Below the header is a large banner with the HAL logo and the text 'Free and accessible knowledge'. A navigation menu includes 'Home', 'Submit', 'Browse', 'Search', and 'Documentation'. The main content area features a red button for 'hal-02961317, version 1' and a yellow button for 'Other publications'. The title of the publication is 'Cultural Heritage Data from a Humanities Research Perspective: A DARIAH Position Paper'. The authors listed are Toma Tasovac, Sally Chambers, and Erzsébet Tóth-Czifra. A 'Details' button is next to the authors. A list of affiliations follows: 1 BCDH - Belgrade Center for Digital Humanities, 2 DARIAH - Digital Research Infrastructure for the Arts and Humanities, and 3 UGENT - Universiteit Gent = Ghent University [Belgium]. The document type is 'Other publications' and the domain is 'Humanities and Social Sciences'. On the right side, there are two panels: 'FILE' showing a thumbnail of the document and 'IDENTIFIERS' showing the HAL Id: hal-02961317, version 1.

HAL

en Sign in

Free and accessible knowledge

Home | Submit | Browse | Search | Documentation

hal-02961317, version 1 Other publications

Cultural Heritage Data from a Humanities Research Perspective: A DARIAH Position Paper

Toma Tasovac^{1,2}, Sally Chambers^{3,2}, Erzsébet Tóth-Czifra² [Details](#)

- 1 BCDH - Belgrade Center for Digital Humanities
- 2 DARIAH - Digital Research Infrastructure for the Arts and Humanities
- 3 UGENT - Universiteit Gent = Ghent University [Belgium]

Document type : Other publications

Domain : Humanities and Social Sciences
Humanities and Social Sciences / Cultural heritage and museology
Computer Science [cs] / Digital Libraries [cs.DL]

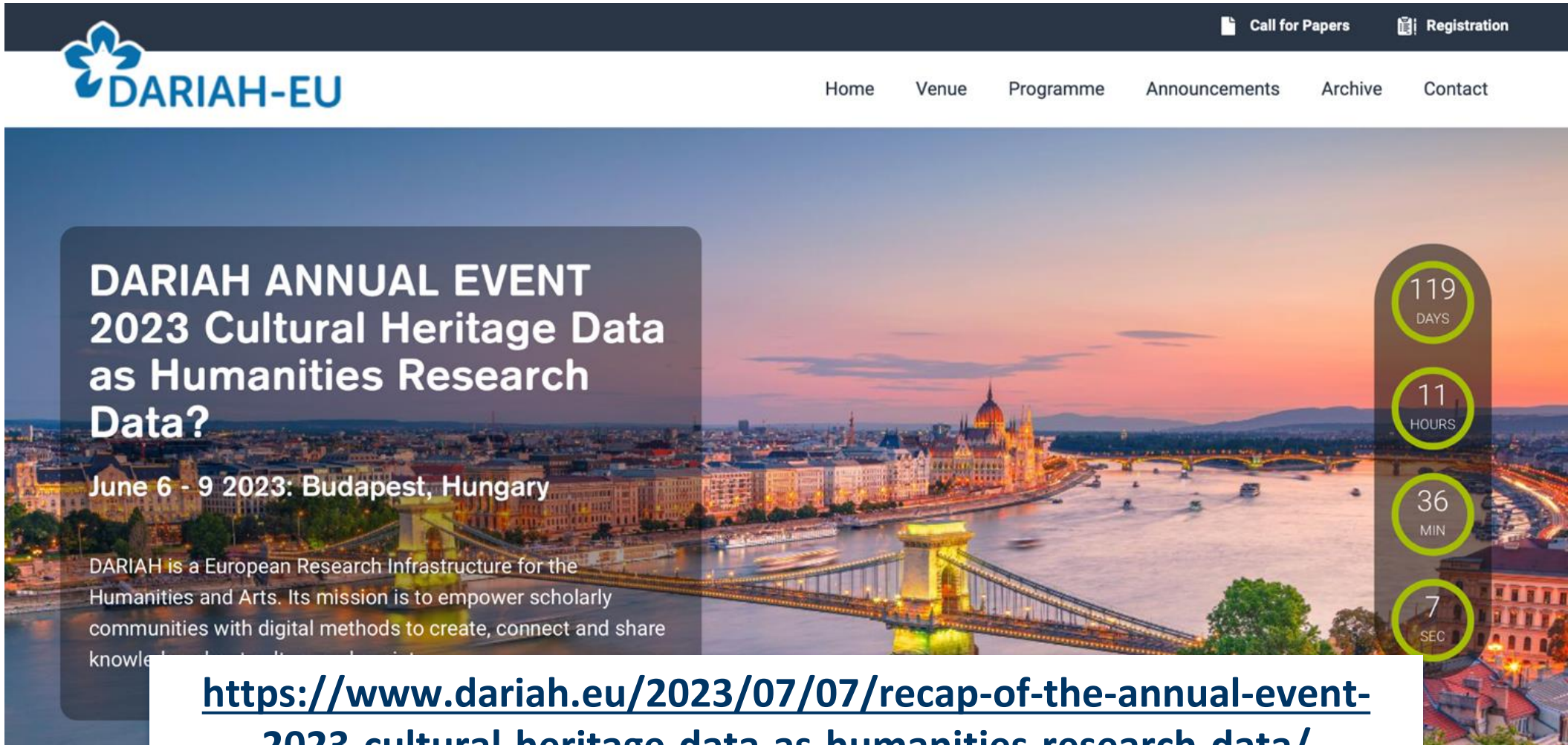
FILE

Cultural Heritage Data as Huma...
Files produced by the author(s)

IDENTIFIERS

- HAL Id : hal-02961317, version 1

Tasovac, T., Chambers, S. and Tóth-Czifra, E. (2020) Cultural Heritage Data from a Humanities Research Perspective: A DARIAH Position Paper. <https://hal.archives-ouvertes.fr/hal-02961317>



The screenshot shows the DARIAH-EU website with a dark header containing the logo and navigation links: Home, Venue, Programme, Announcements, Archive, Contact. On the right side of the header, there are links for 'Call for Papers' and 'Registration'. The main content area features a large image of Budapest at sunset. Overlaid on the left is a dark box with the event title and dates. On the right, a vertical countdown timer displays 119 days, 11 hours, 36 minutes, and 7 seconds.

**DARIAH ANNUAL EVENT
2023 Cultural Heritage Data
as Humanities Research
Data?**

June 6 - 9 2023: Budapest, Hungary

DARIAH is a European Research Infrastructure for the Humanities and Arts. Its mission is to empower scholarly communities with digital methods to create, connect and share knowledge.

**119
DAYS**

**11
HOURS**

**36
MIN**

**7
SEC**

<https://www.dariah.eu/2023/07/07/recap-of-the-annual-event-2023-cultural-heritage-data-as-humanities-research-data/>

Cultural Heritage Data as Humanities Research Data



Revisit [@thomasgpadilla](#)'s fantastic opening keynote from [#DARIAH2023](#) at the link below! 💡

Thomas' talk was entitled “A Mutualistic View of AI in the Library or a Continuation of Craft” and invited us to reflect on the future of AI & the library 📖



youtube.com
Thomas Padilla “A Mutualistic View of AI in the Library or...
Thomas Padilla is Deputy Director, Archiving and Data Services at the Internet Archive. Throughout his career, ...

5:48 PM · Jul 5, 2023 · **837** Views

3 Retweets **10** Likes **2** Bookmarks

<https://youtu.be/jvEMFY6b4mA>



DARIAH-EU @DARIAHeu · 14h

Rewatch our closing keynote panel from [#DARIAH2023](#) at the link below!



[@schambers3](#) chaired a fascinating panel on the topic of 'DARIAH Data Spaces Dialogue: Imagining Experimental Data Spaces for Analysis of Cultural Heritage Using Digital Methods' 💡

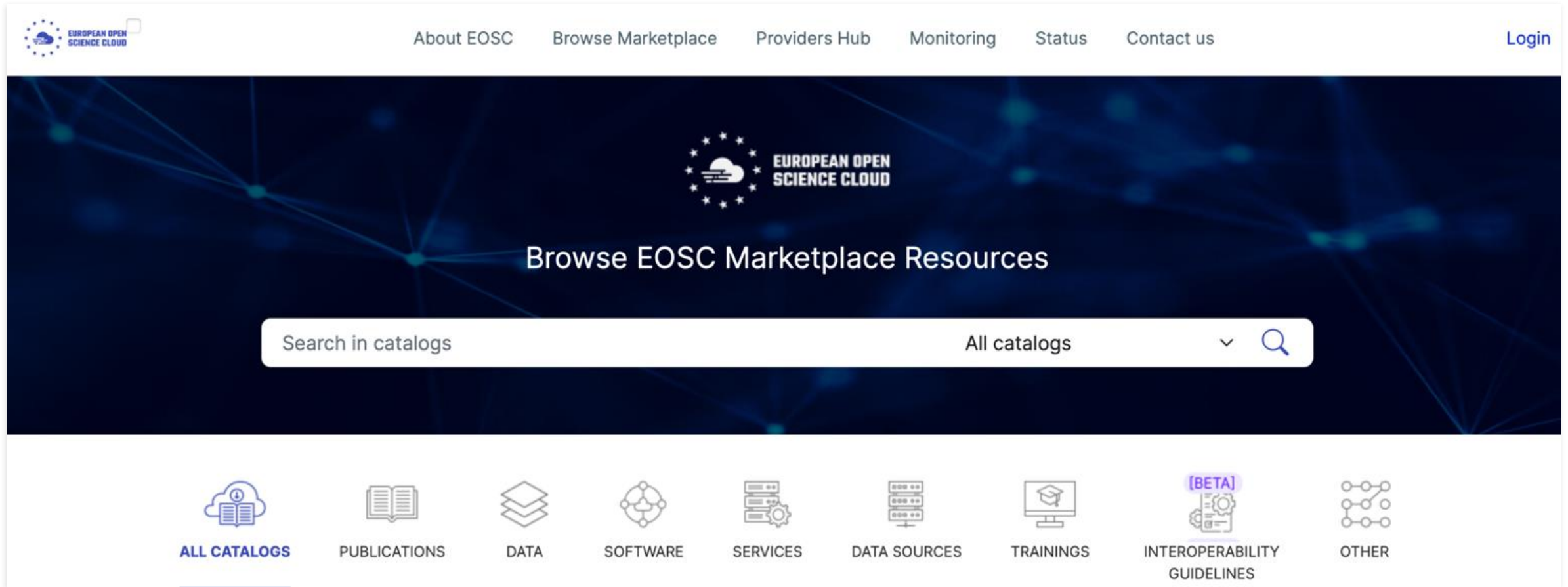


youtube.com
Annual Event 2023 Keynote Panel | DARIAH Data ...
Keynote Panel DARIAH Annual Event 2023 |
DARIAH Data Spaces Dialogue: Imagining ...



<https://youtu.be/o2HUKWBCTvM>

Cultural Heritage Data in the EOSC Marketplace?



The screenshot displays the top section of the EOSC Marketplace website. At the top left is the European Open Science Cloud logo. The navigation menu includes links for 'About EOSC', 'Browse Marketplace', 'Providers Hub', 'Monitoring', 'Status', and 'Contact us', with a 'Login' link on the far right. The main banner features the EOSC logo and the text 'Browse EOSC Marketplace Resources'. Below this is a search bar with the placeholder text 'Search in catalogs', a dropdown menu set to 'All catalogs', and a search icon. At the bottom, a horizontal menu lists various resource categories: 'ALL CATALOGS' (highlighted), 'PUBLICATIONS', 'DATA', 'SOFTWARE', 'SERVICES', 'DATA SOURCES', 'TRAININGS', 'INTEROPERABILITY GUIDELINES' (marked as [BETA]), and 'OTHER'.

https://search.marketplace.eosc-portal.eu/search/all?q=*

Cultural Heritage Data in EOSC?



- ALL CATALOGS
- PUBLICATIONS
- DATA
- SOFTWARE
- SERVICES
- DATA SOURCES
- TRAININGS
- [BETA] INTEROPERABILITY GUIDELINES
- [BETA] BUNDLES
- OTHER



Europeana APIs

Service ORDER REQUIRED

27 languages

Organisation: Europeana Foundation

Scientific domain: Electrical, Electronic & Information Engineering Engineering & Technology

The Europeana REST API is a set of APIs which provides a service calibrated to the needs of professionals interested in the reuse of digitised or digital-born cultural heritage in education research and the creative industries. Rewarded an API Award fo... Show more

SSHOC apis cultural heritage data discovery digital objects fair data glam sector (galleries libraries archives museums) iiif linked data metadata search

https://marketplace.eosc-portal.eu/services/eosc.europeana.europeana_apis

Cultural Heritage Data in EOSC? - Europeana

The screenshot shows the 'Europeana APIs' service listing on the EOSC marketplace. The header includes navigation links: 'About EOSC', 'Browse Marketplace', 'Providers Hub', 'Monitoring', 'Status', 'Contact us', and 'Login'. A search bar is present with a 'Go to Search' button. The main content area features the 'Europeana APIs' logo and a description: 'Large-Scale Data Discovery, Acquisition and Management of Digital Cultural Heritage in Research'. It includes an 'Access the service' button, a note 'ORDER REQUIRED', and a star rating of 0.0/5 with 0 reviews. Below the description are links for 'Webpage', 'Helpdesk e-mail', and 'Manual', along with a link to 'Ask a question about this service?'. A tabbed interface shows 'ABOUT', 'DETAILS', 'GUIDELINES', and 'REVIEWS (0)'. The 'DETAILS' tab is active, displaying a paragraph about the REST API and its services, and a 'SCIENTIFIC CATEGORISATION' section with 'Engineering & Technology' and 'Data Management' categories.

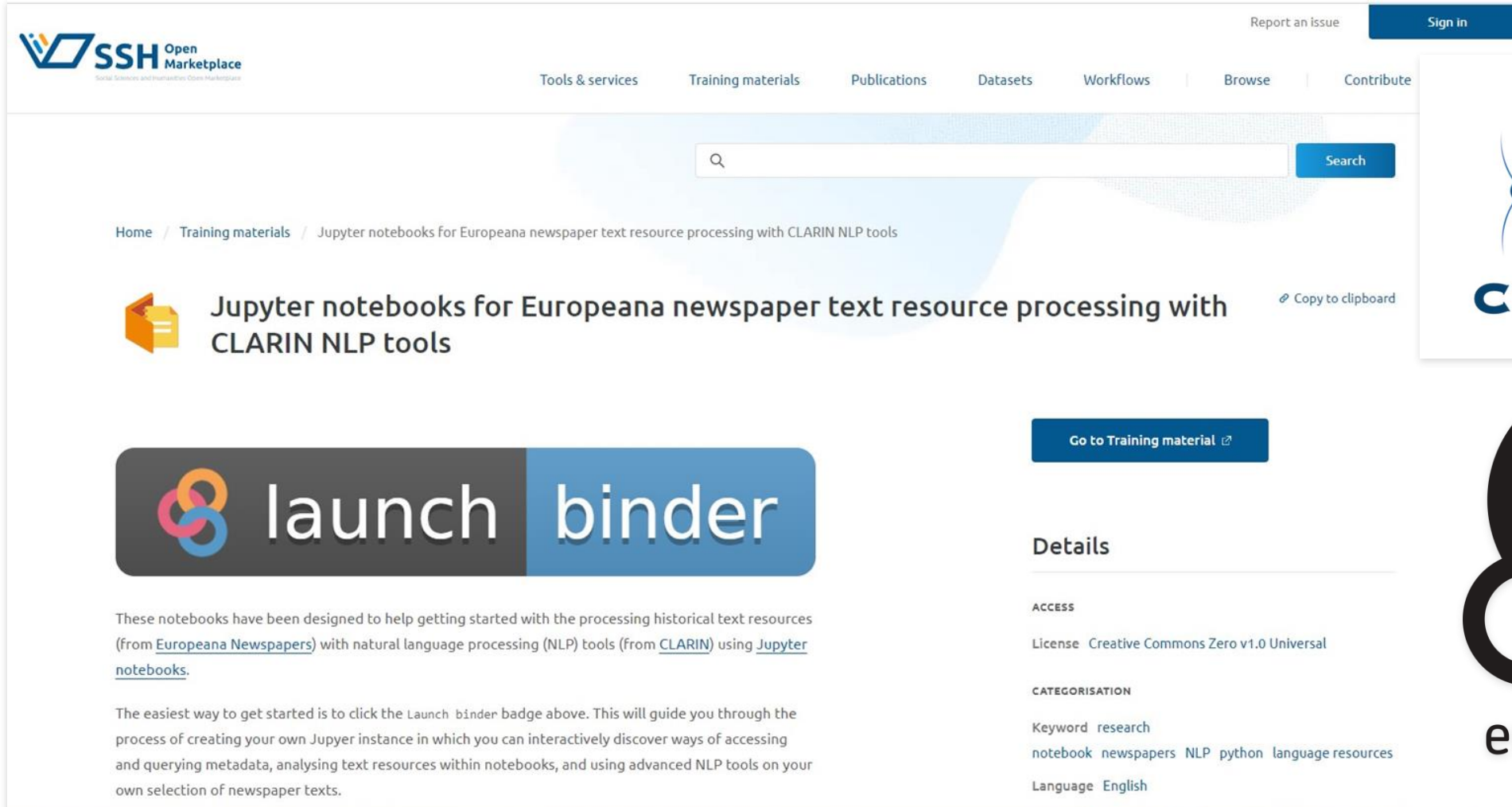
https://marketplace.eosc-portal.eu/services/eosc.europeana.europeana_apis

The screenshot shows the Zenodo community page for Europeana. The header features the Zenodo logo, a search bar, and navigation links for 'Upload', 'Communities', 'Log in', and 'Sign up'. A yellow banner indicates a 2-hour downtime on September 29th. The main content area is titled 'Europeana' and shows 'Recent uploads'. The first upload is 'Image descriptions for 7471 of the DEArt images, obtained via the Zooniverse crowdsourcing platform', dated March 22, 2023, with 'Open Access' status. It lists authors: Artem Reshetnikov, Sergio Mendoza, Joaquim More Lopez, Cedric Bhihe, Maria-Cristina Marinescu, Eleftheria Tsoupra, Mónica Marrero, Nuno Freire, and Antoine Isaac. The second upload is 'Object detection annotations on images from the Rijksmuseum', dated February 28, 2023, also with 'Open Access' status, listing the same authors. A 'New upload' button is visible in the top right. A sidebar on the right provides details about the Europeana community, including its purpose, curation policy, creation date (September 5, 2019), and harvesting API.

<https://zenodo.org/communities/europeana/>



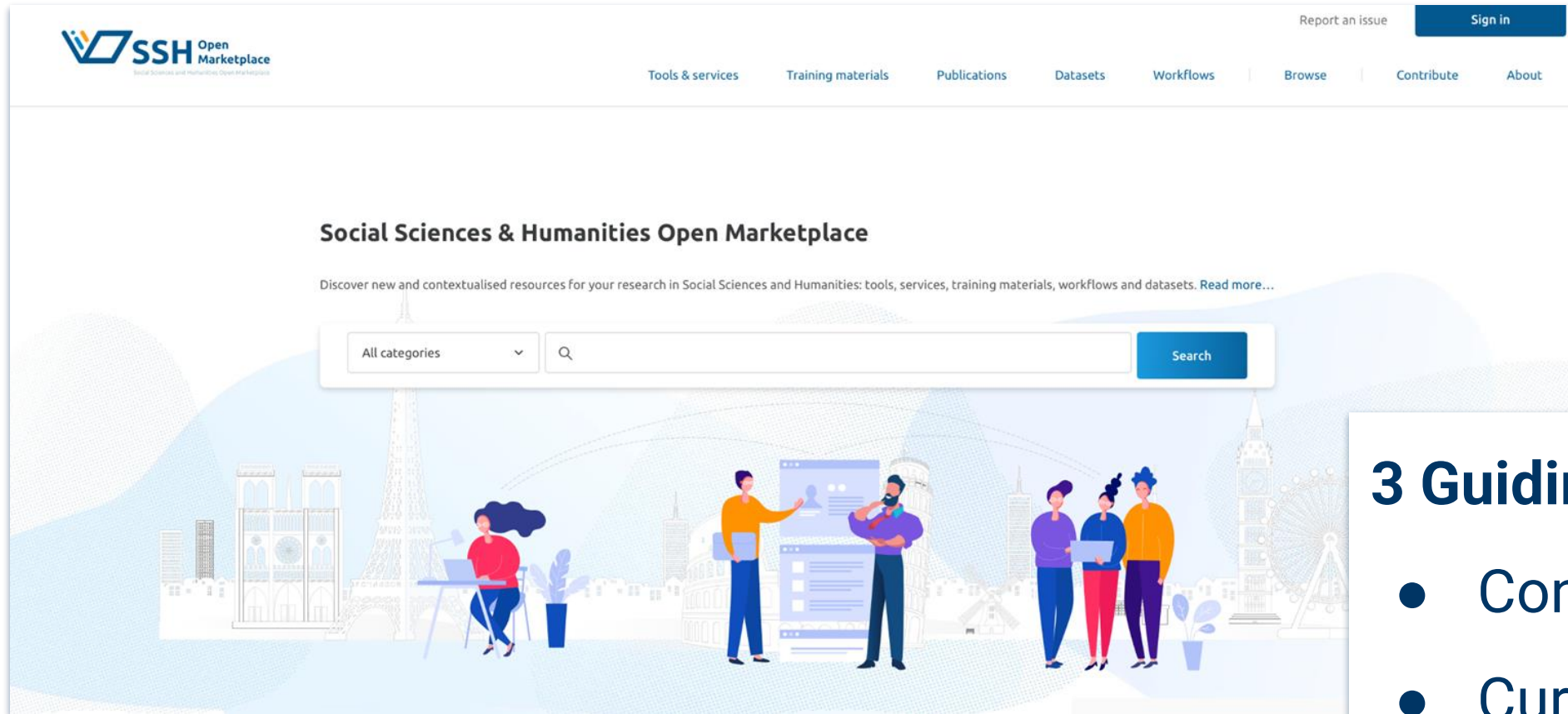
Cultural Heritage Data in EOSC? - Europeana



The screenshot shows the SSH Open Marketplace website. The header includes the SSH Open Marketplace logo, navigation links (Tools & services, Training materials, Publications, Datasets, Workflows, Browse, Contribute), and links for 'Report an issue' and 'Sign in'. A search bar is present. The main content area features a breadcrumb trail: Home / Training materials / Jupyter notebooks for Europeana newspaper text resource processing with CLARIN NLP tools. Below this is a title 'Jupyter notebooks for Europeana newspaper text resource processing with CLARIN NLP tools' with a 'Copy to clipboard' icon. A large 'launch binder' button is prominent. A 'Go to Training material' button is also visible. The 'Details' section includes 'ACCESS' (License: Creative Commons Zero v1.0 Universal) and 'CATEGORISATION' (Keyword: research, notebook, newspapers, NLP, python, language resources; Language: English). On the right side of the screenshot, there are two logos: CLARIN (top) and Europeana (bottom).

<https://marketplace.sshopencloud.eu/training-material/duVII1>

Social Sciences and Humanities Open Marketplace



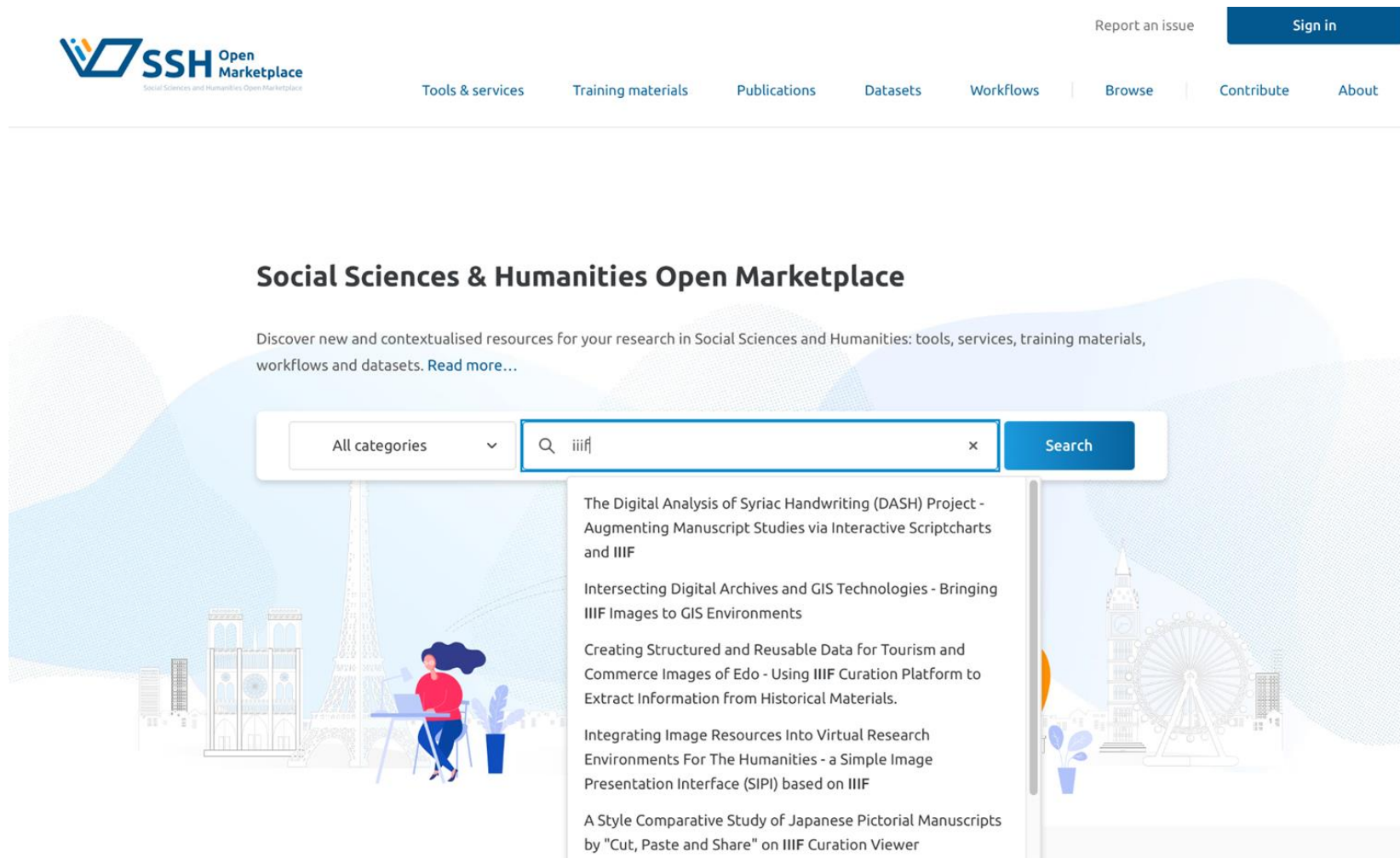
3 Guiding Principles:

- Contextualisation
- Curation
- Community



<https://marketplace.sshopencloud.eu>

Cultural Heritage in the SSH Open Marketplace



The screenshot shows the SSH Open Marketplace website. At the top left is the logo for SSH Open Marketplace (Social Sciences and Humanities Open Marketplace). To the right are links for "Report an issue" and a "Sign in" button. Below the logo is a navigation menu with links for "Tools & services", "Training materials", "Publications", "Datasets", "Workflows", "Browse", "Contribute", and "About".

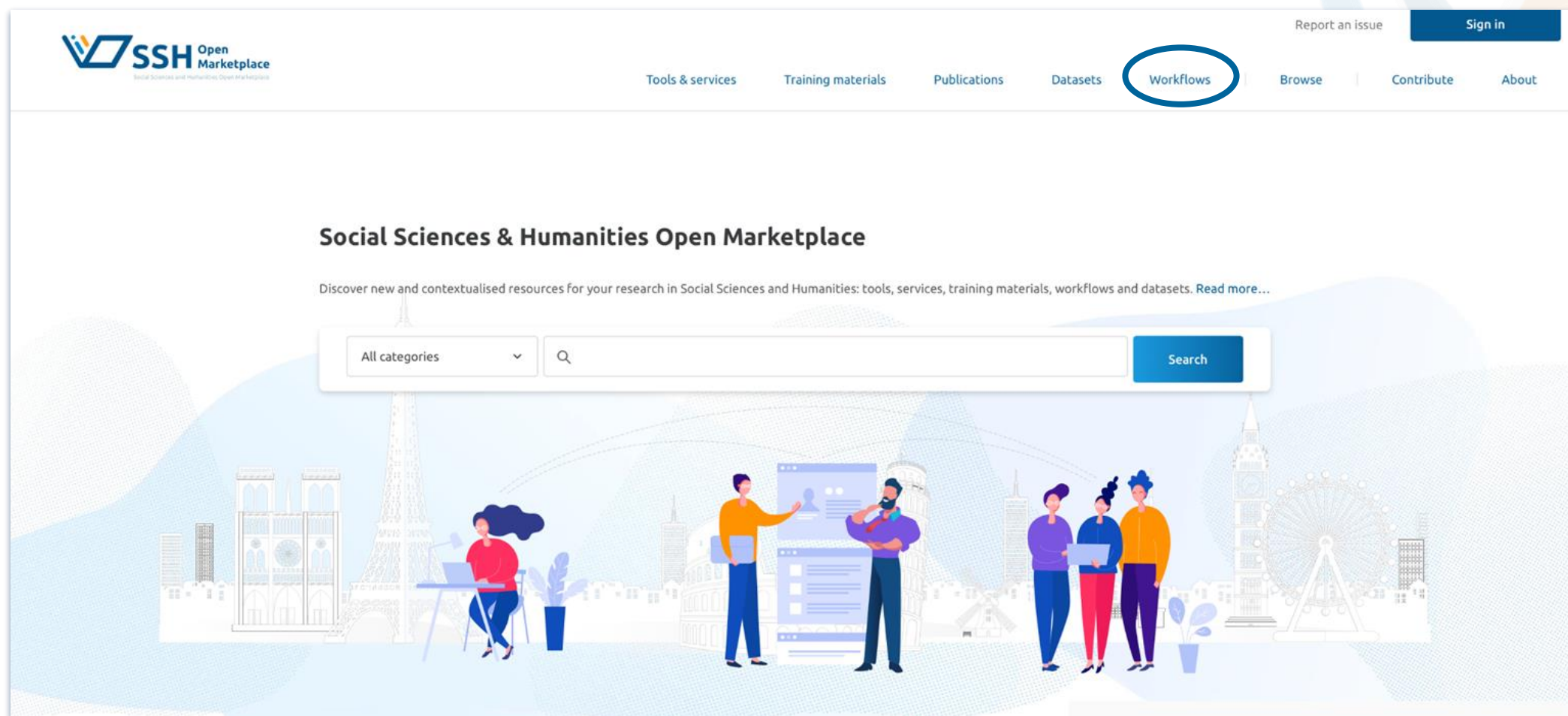
The main content area features the heading "Social Sciences & Humanities Open Marketplace" and a sub-heading "Discover new and contextualised resources for your research in Social Sciences and Humanities: tools, services, training materials, workflows and datasets. [Read more...](#)".

A search bar is visible with a dropdown menu set to "All categories", a search input field containing "iiif", and a "Search" button. Below the search bar, a list of search results is displayed:

- The Digital Analysis of Syriac Handwriting (DASH) Project - Augmenting Manuscript Studies via Interactive Scriptcharts and IIIF
- Intersecting Digital Archives and GIS Technologies - Bringing IIIF Images to GIS Environments
- Creating Structured and Reusable Data for Tourism and Commerce Images of Edo - Using IIIF Curation Platform to Extract Information from Historical Materials.
- Integrating Image Resources Into Virtual Research Environments For The Humanities - a Simple Image Presentation Interface (SIPI) based on IIIF
- A Style Comparative Study of Japanese Pictorial Manuscripts by "Cut, Paste and Share" on IIIF Curation Viewer

<https://marketplace.sshopencloud.eu/search?q=iiif>

Social Sciences and Humanities Open Marketplace



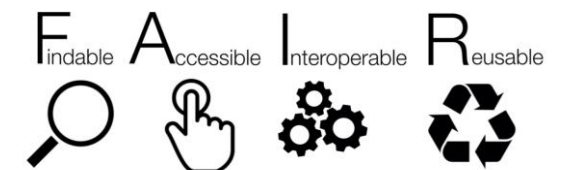
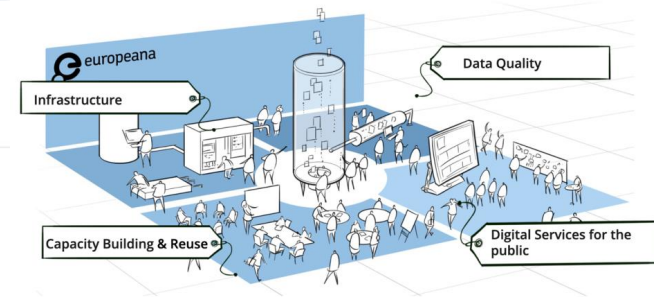
The screenshot shows the homepage of the SSH Open Marketplace. At the top left is the logo for SSH Open Marketplace, with the text "SSH Open Marketplace" and "Social Sciences and Humanities Open Marketplace" below it. To the right of the logo is a navigation menu with links for "Tools & services", "Training materials", "Publications", "Datasets", "Workflows" (which is circled in blue), "Browse", "Contribute", and "About". In the top right corner, there are links for "Report an issue" and a "Sign in" button. Below the navigation menu is a large banner with the title "Social Sciences & Humanities Open Marketplace" and a subtext: "Discover new and contextualised resources for your research in Social Sciences and Humanities: tools, services, training materials, workflows and datasets. Read more...". Below the banner is a search bar with a dropdown menu set to "All categories", a search input field, and a "Search" button. The background of the banner features a stylized illustration of people working together in a digital environment, with various city landmarks like the Eiffel Tower and Big Ben visible in the background.

<https://marketplace.sshopencloud.eu>

A Collections as Data Workflow on the SSH Open Marketplace



The screenshot shows the SSH Open Marketplace interface. At the top left is the logo for SSH Open Marketplace (Social Sciences and Humanities Open Marketplace). Navigation links include Tools & services, Training materials, Publications, Datasets, Workflows, Browse, Contribute, and About. A search bar is prominently displayed. The main content area shows a breadcrumb trail: Home / Workflows / Publishing Collections as data in a Cultural Heritage data space. The title of the workflow is 'Publishing Collections as data in a Cultural Heritage data space', with a 'Copy to clipboard' link. A note states: 'This is a draft version that is currently under review'. The main text describes how Cultural Heritage institutions have made digital collections available for public use, and how new initiatives like 'Collections as data' provide best practices and guidelines for publishing digital collections amenable for computational use. It also mentions the implementation of experimental Labs in GLAM (Galleries, Libraries, Archives and Museums) to reuse digital collections. The text continues to describe data spaces as an innovative way to publish and reuse digital collections in the European context, based on previous work performed in the context of the GLAM Labs Community. The 'Details' section includes: ACCESS: License Creative Commons Attribution 4.0 International; CATEGORISATION: Activity Description Sharing Disseminating; Keyword: digital collections, Data computational methods, Collections as data; Discipline: Digital accessibility, Library, Digital Collections, Computational Science.



Many thanks to: *Dr. Gustavo Candela*

A Collections as Data Workflow - 10 Steps

- 1** Provide a clear license allowing reuse of the dataset without restrictions Expand ▾
- 2** Provide a suggested citation for the dataset so reusers are aware of how to cite it Expand ▾
- 3** Include documentation about the dataset Expand ▾
- 4** Use a public platform to make available the dataset for the public
- 5** Share examples of use to demonstrate how the dataset can be reused
- 6** Think about a structure for the dataset for a better understanding of how to reuse the content Expand ▾
- 7** Include machine-readable metadata about the content provided in the dataset Expand ▾
- 8** Use an existing collaborative-edition platform to include the information about the dataset Expand ▾
- 9** Provide the dataset by means of an existing API Expand ▾
- 10** Create a website to present and describe the dataset to encourage its reuse Expand ▾



<https://marketplace.sshopencloud.eu/workflow/I3JvP6>

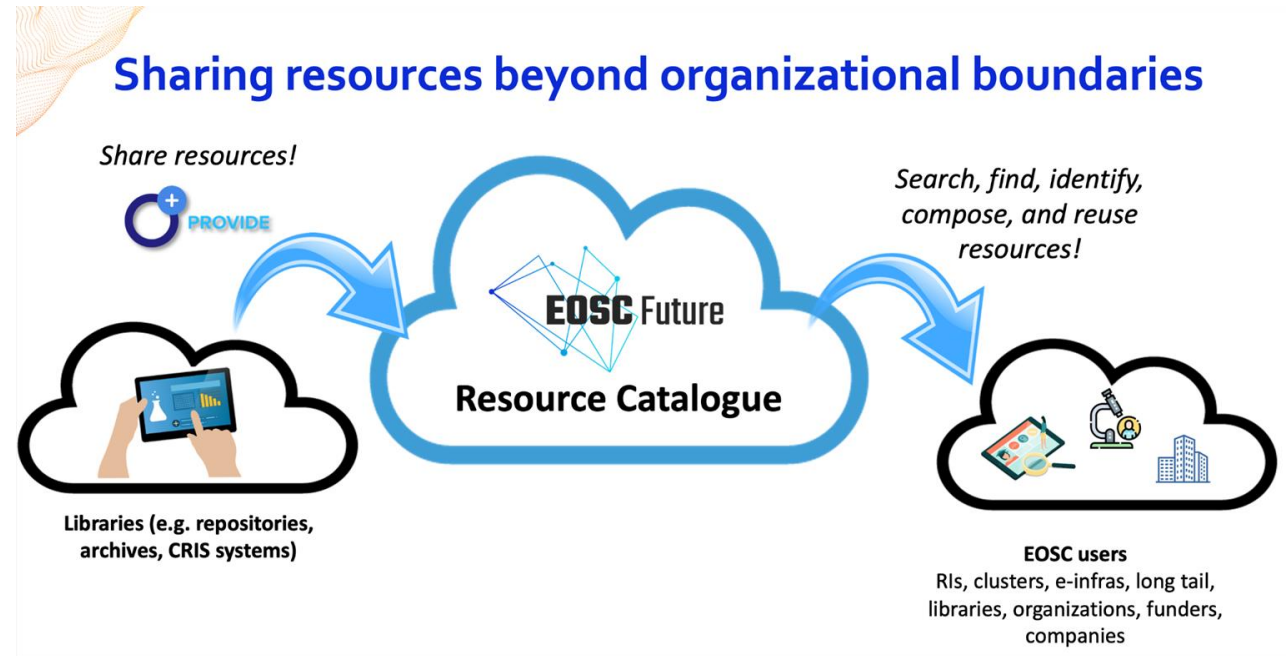
Getting involved?



European Open Science Cloud (EOSC) and Libraries



**EUROPEAN OPEN
SCIENCE CLOUD**



Libraries as EOSC providers

How and why libraries should become EOSC providers – Inge Van Nieuwerburgh, University of Gent

Current and upcoming functionalities for libraries – Paolo Manghi, OpenAIRE

A community presentation from Susanne Blumesberger, University of Vienna Library & Lisa Hönegger, AUSSDA

Libraries as intermediaries – Sara Garavelli

[Presentation](#) – [recording](#)

Presentation: [https://www.eosccloud.eu/](https://www.eosccloud.eu/content/uploads/2022/04/ProviderDays_Libraries_Presentation2Inge_clean.pdf)

[content/uploads/2022/04/ProviderDays_Libraries_Presentation2Inge_clean.pdf](https://www.eosccloud.eu/content/uploads/2022/04/ProviderDays_Libraries_Presentation2Inge_clean.pdf)

Recording: <https://www.youtube.com/watch?v=vxHJNU78Pw>

Using the EOSC Portal: **LIBRARIES**

Libraries are a vital support for researchers when it comes to navigating access to research publications, data and services. The European Open Science Cloud (EOSC) Portal helps researchers find and access these outputs as well as services.



Here are some ways to engage with the EOSC Portal



HELP YOUR RESEARCHERS SEARCH FOR RESOURCES

Discover discipline-specific research outputs and services

Access and reuse Open Science training resources

Find out how to use the **EOSC Portal** – a search engine for the cross-discovery of publications, data, software, grey literature and other research, services and **training resources**

www.eoscfuture.eu



MAKE YOUR REPOSITORY AND INSTITUTIONAL SERVICES VISIBLE

Register your repository or service as a **Data Source** so it can be harvested

Make your repository or service available to users from other institutions and countries

Want to make your repository content & resources available to a wider audience?
Check the eligibility criteria for becoming an EOSC provider on the **EOSC Providers Hub**



POINT YOUR RESEARCHERS TO THE FOLLOWING SERVICES



User dashboard

The **EOSC Portal's user dashboard** feature allows authenticated users to define a **user profile** that will allow the EOSC Portal to suggest new resources of interest. Users can add projects with multiple users, bookmarks for favourite resources, and more. Communication with EOSC experts, alerts and other urgent updates can also be managed through the dashboard



Facilities for data analysis

Help researchers access facilities for computation and analysis (e.g. facilities that their host organisation might not have)



EOSC Authentication & Authorization Infrastructure (EOSC AAI)

Librarians can sign into EOSC services using the AAI, and researchers can sign in using institutional and personal credentials



Accounting

Receive feedback on how research outputs from institutional repositories are viewed and downloaded with EOSC Accounting features



Monitoring

Track the reliability of library services registered on the EOSC Portal with the EOSC Monitoring service

**O&A Members****80**

Active Organisational & Affiliate members

MEMBERSHIP**Members: 13822**

Becoming a member of RDA is simple and open to both individuals and organizations

[Register now](#)**RDA Groups****WG & IGs: 107**Discover what RDA Working and Interest Groups and all other Groups are up to and find out how to join them. [Explore Groups](#)[ABOUT RDA](#) ▾ [GET INVOLVED](#) ▾ [GROUPS](#) ▾ [RECOMMENDATIONS & OUTPUTS](#) ▾ [RDA FOR DISCIPLINES](#) ▾ [PLENARIES & EVENTS](#) ▾ [NEWS & MEDIA](#) ▾

Why aren't we talking about Collections as Data?

[Home](#)**08
JUN
2023**

Why aren't we talking about Collections as Data?

Submitted by [Beth Knazook](#)**Meeting objectives:**

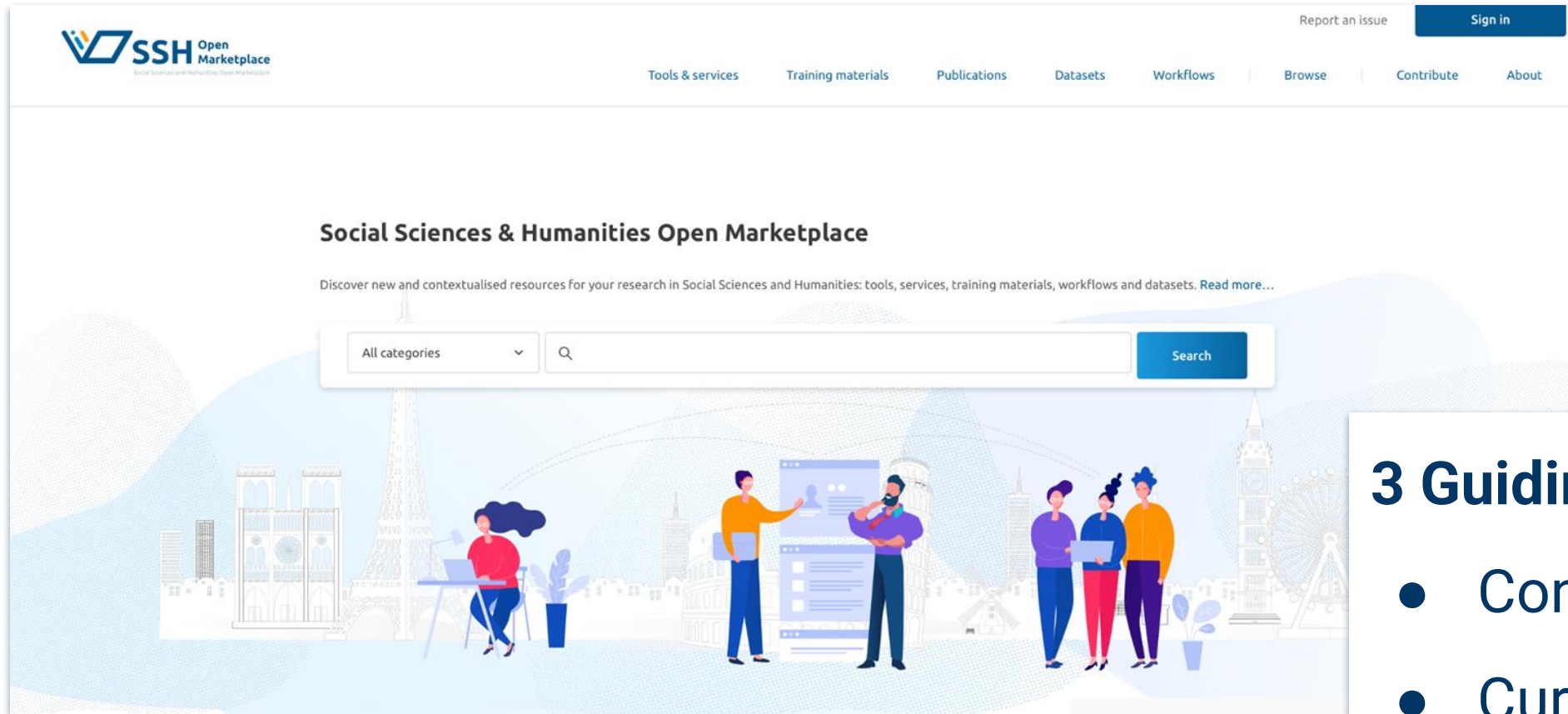
The way that researchers are interacting with collections in Galleries, Libraries, Archives, and Museums (GLAM) is changing, and the professionals engaged in the acquisition, description, management, and preservation of cultural memory collections have taken note—a steady increase in research projects, pilot use cases, policy statements, and conference papers over the course of nearly a decade signal a sector-wide change from collections for access to collections for computational reuse. This BoF will showcase a series of projects that use cultural heritage data and leave space for community discussion around issues particular to GLAM professionals and researchers working with cultural heritage collections as data.

There have been a few efforts over the years to launch cross-cutting discussions about cultural heritage materials as data, and to bring the work of memory institutions into closer alignment with evolving best practices for research data, which have failed to find a home within the RDA. Some aspects of this work are covered in several RDA groups focused on the evolving demands of specific professions (e.g. Libraries for Research Data IG) or disciplinary researchers engaging with cultural heritage (e.g. Social Science [& Humanities] Research Data IG). A BoF exploring [Cultural Heritage Science Data at the Crossroads](#) in 2019 had ambitious goals of establishing an IG to agree upon a baseline level of data sharing for the field of heritage preservation, while an earlier BoF focused on [Images as Data - STEM and heritage science data linked to IIF](#) in 2018 raised many of the issues that are currently being explored through the Cultural Heritage Case Study in the [WorldFAIR Project](#) (2022-2024). Yet there remains no established space within the RDA for a significant field of work that draws on the shared experiences of disciplinary researchers and cultural memory professionals developing, analysing, sharing, and reusing machine actionable library, archive, and museum 'collections as data.'

This meeting aims to bring together a diverse group of cultural memory professionals and disciplinary researchers to present the current state of collections as data work in order to develop a rationale and charter for a Cultural Heritage Data Interest Group within the RDA, and to connect the work of RDA with other networks, conferences, and professional bodies in the GLAM sector developing support for computational use of cultural heritage collections.

<https://www.rd-alliance.org/why-arent-we-talking-about-collections-data>

Social Sciences and Humanities Open Marketplace



3 Guiding Principles:

- Contextualisation
- Curation
- Community

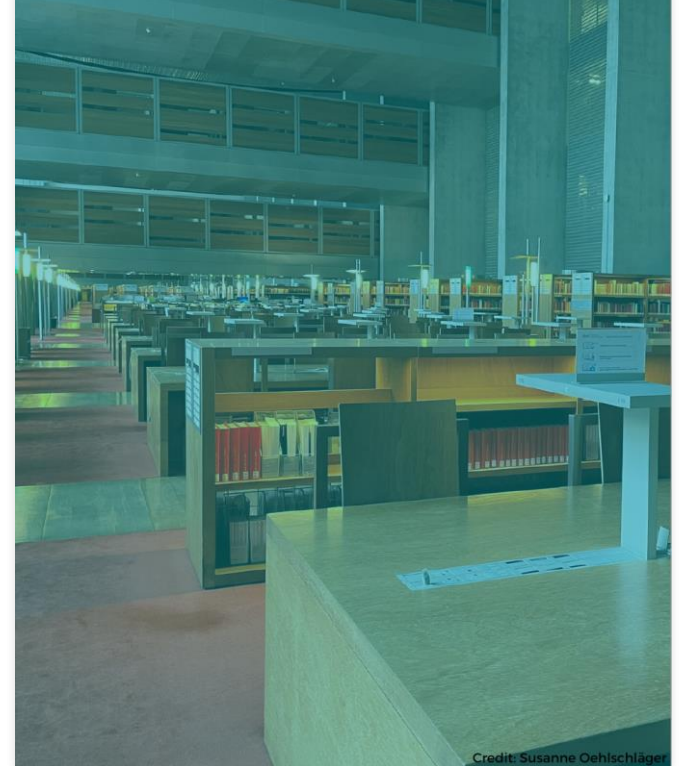


<https://marketplace.sshopencloud.eu>



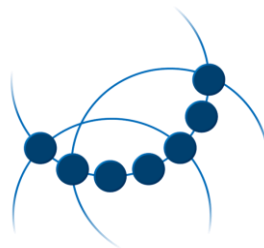
National Libraries as Data Infrastructures

- National Libraries as pioneers in the development of data infrastructures
- National Libraries play an essential role in facilitating (digital) humanities research
- Digital (digitised and born-digital) cultural heritage is crucial for the (digital) humanities
- Dynamic digital data infrastructure landscape



CENL

CLARIN
Common Language Resources and
Technology Infrastructure



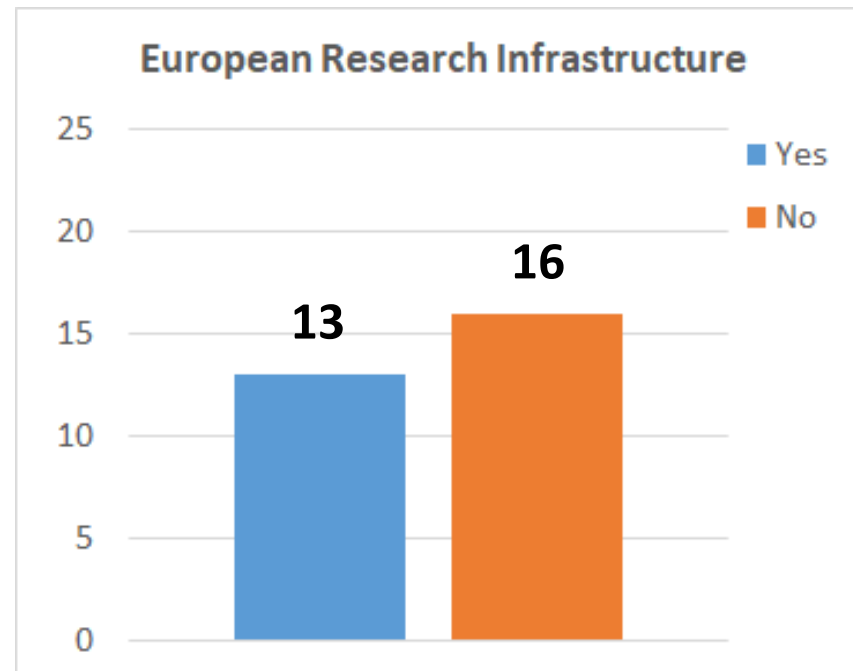
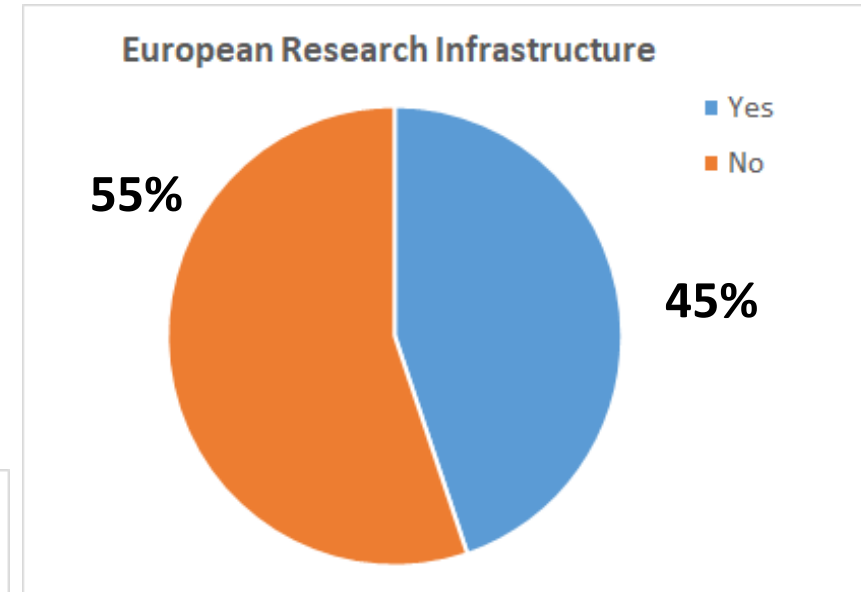
DARIAH-EU
Digital Research Infrastructure
for the Arts and Humanities

European Research Infrastructures

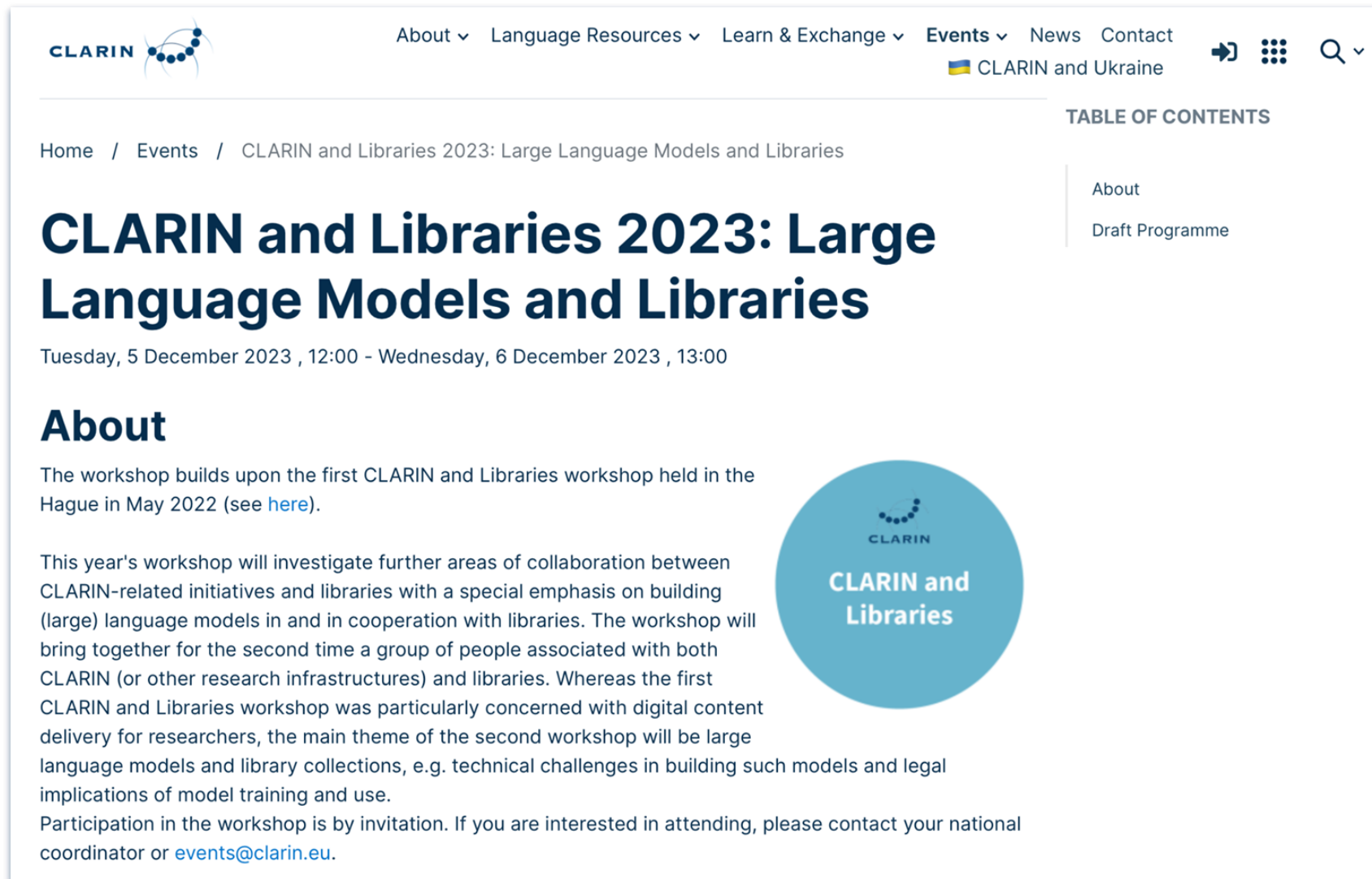


The National Library of your country participates in one or more European Research Infrastructure?

- 10 DARIAH
- 8 CLARIN
- 3 EOSC
- 5 other initiatives



CLARIN and Libraries workshop



The screenshot shows the CLARIN website's event page. At the top, there is a navigation menu with links for 'About', 'Language Resources', 'Learn & Exchange', 'Events', 'News', and 'Contact'. A search bar and a 'CLARIN and Ukraine' link are also visible. The main heading is 'CLARIN and Libraries 2023: Large Language Models and Libraries', with a subtitle indicating the dates: 'Tuesday, 5 December 2023, 12:00 - Wednesday, 6 December 2023, 13:00'. Below the heading is an 'About' section. To the right, a 'TABLE OF CONTENTS' sidebar lists 'About' and 'Draft Programme'. A circular logo for 'CLARIN and Libraries' is positioned to the right of the 'About' text. The CLARIN logo is also present in the top left corner of the page.

CLARIN

About ▾ Language Resources ▾ Learn & Exchange ▾ Events ▾ News Contact

🇺🇦 CLARIN and Ukraine

Home / Events / CLARIN and Libraries 2023: Large Language Models and Libraries

CLARIN and Libraries 2023: Large Language Models and Libraries

Tuesday, 5 December 2023 , 12:00 - Wednesday, 6 December 2023 , 13:00

About

The workshop builds upon the first CLARIN and Libraries workshop held in the Hague in May 2022 (see [here](#)).

This year's workshop will investigate further areas of collaboration between CLARIN-related initiatives and libraries with a special emphasis on building (large) language models in and in cooperation with libraries. The workshop will bring together for the second time a group of people associated with both CLARIN (or other research infrastructures) and libraries. Whereas the first CLARIN and Libraries workshop was particularly concerned with digital content delivery for researchers, the main theme of the second workshop will be large language models and library collections, e.g. technical challenges in building such models and legal implications of model training and use.

Participation in the workshop is by invitation. If you are interested in attending, please contact your national coordinator or events@clarin.eu.

CLARIN

CLARIN and Libraries

TABLE OF CONTENTS

- About
- Draft Programme

CLARIN

National Library of Norway

<https://www.clarin.eu/event/2023/clarin-and-libraries-2023-large-language-models-and-libraries>

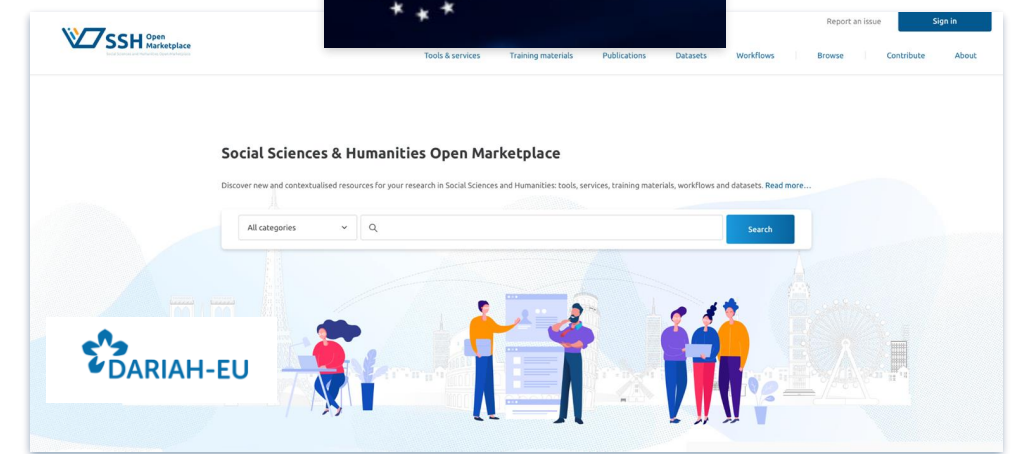
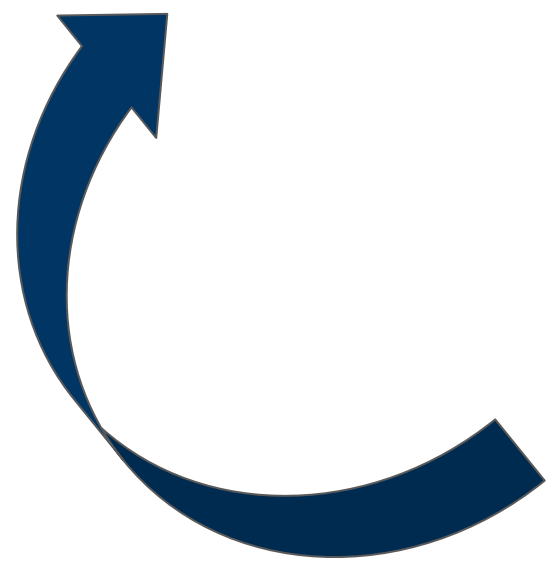
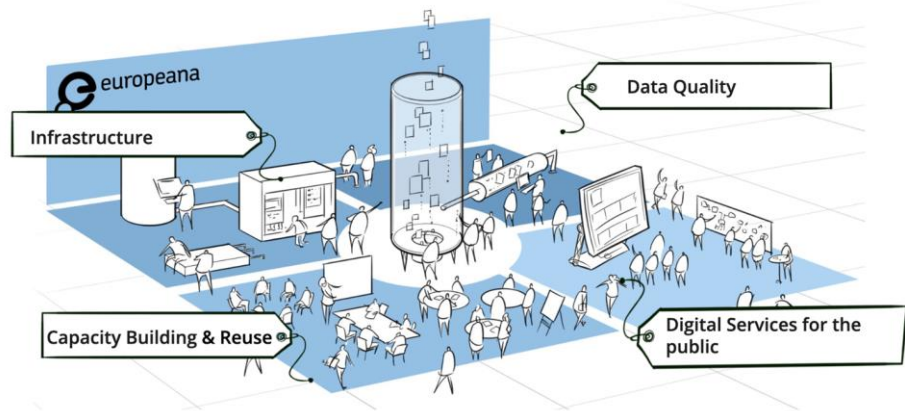
Towards an EOSC Service Providers Maturity Model

The screenshot displays the SSH Open Marketplace website. The top navigation bar includes the SSH logo, a search bar, and links for 'Tools & services', 'Training materials', 'Publications', 'Datasets', 'Workflows', 'Browse', 'Contribute', and 'About'. A 'Sign in' button is located in the top right corner. The main content area features a breadcrumb trail: 'Home / Workflows / EOSC Service Providers Maturity Model'. Below this is a purple icon representing a stack of boxes with a gear, followed by the title 'EOSC Service Providers Maturity Model'. The text below the title states: 'The Service Providers Maturity Model is suggested to assess (or self-assess) the level of integration with the European Open Science Cloud (EOSC) for any provider interested to join. 7 steps are identified in this model that can also be seen as an ideal EOSC integration workflow.'

Workflow steps (7)

- 1 | **Getting a Basic Awareness of EOSC** | [Expand](#) ▼
- 2 | **Registering as Service Provider** | [Expand](#) ▼
- 3 | **Onboarding your First Services and Data Sources** | [Expand](#) ▼
- 4 | **Embedding EOSC participation into day-to-day operations** | [Expand](#) ▼
- 5 | **Integrating with EOSC Core Services** | [Expand](#) ▼
- 6 | **Leveraging EOSC metrics / Gaining insights in EOSC** | [Expand](#) ▼
- 7 | **Composing your own Workflows** | [Expand](#) ▼

Towards an interconnected ecosystem of cultural heritage data ...



European Collaborative Cloud for Cultural Heritage (ECCCH)

European Commission, Directorate-General for Research and Innovation, *Report on a European collaborative cloud for cultural heritage : ex – ante impact assessment*, Publications Office of the European Union, 2022,

<https://data.europa.eu/doi/10.2777/64014>

European Commission, Directorate-General for Research and Innovation, Stakeholders' survey on a European collaborative cloud for cultural heritage: report on the online survey results, Publications Office of the European Union, 2022,

<https://data.europa.eu/doi/10.2777/691331>

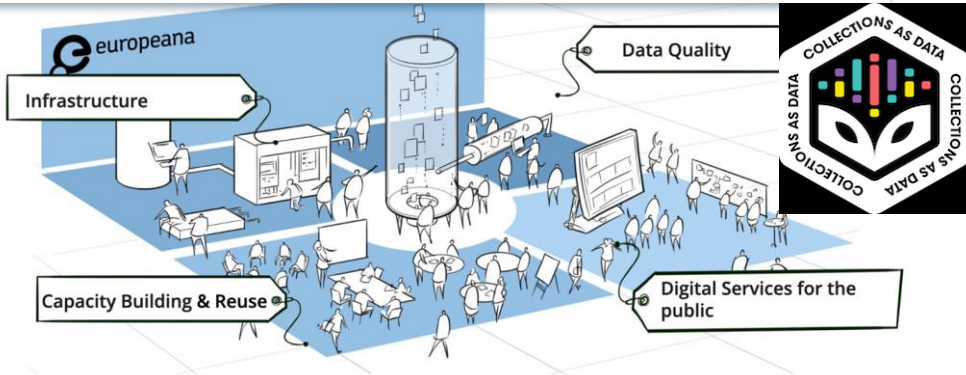


[A European Collaborative Cloud for Cultural Heritage - 2023 \(HORIZON-CL2-2023-HERITAGE-ECCCH-01\)](#)

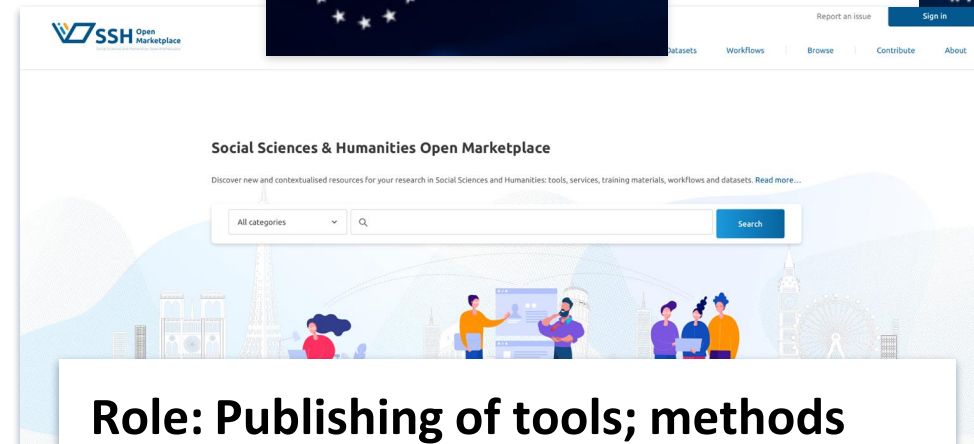
- A European Collaborative Cloud for Cultural Heritage: HORIZON-CL2-2023-HERITAGE-ECCCH-01-01
- Innovative tools for digitising cultural heritage objects: HORIZON-CL2-2023-HERITAGE-ECCCH-01-02

Towards an interconnected ecosystem of cultural heritage data ...

**Role: Interoperable Data Aggregation
(beyond metadata)**



**Role: State of the Art processing of
Cultural Heritage Data (e.g AI-based)**



**Role: Publishing of tools; methods
and derived datasets for reuse**

