

# The Data Space for Cultural Heritage to accelerate the digital transformation of Europe's cultural sector

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Photoconsortium

citizen Heritage



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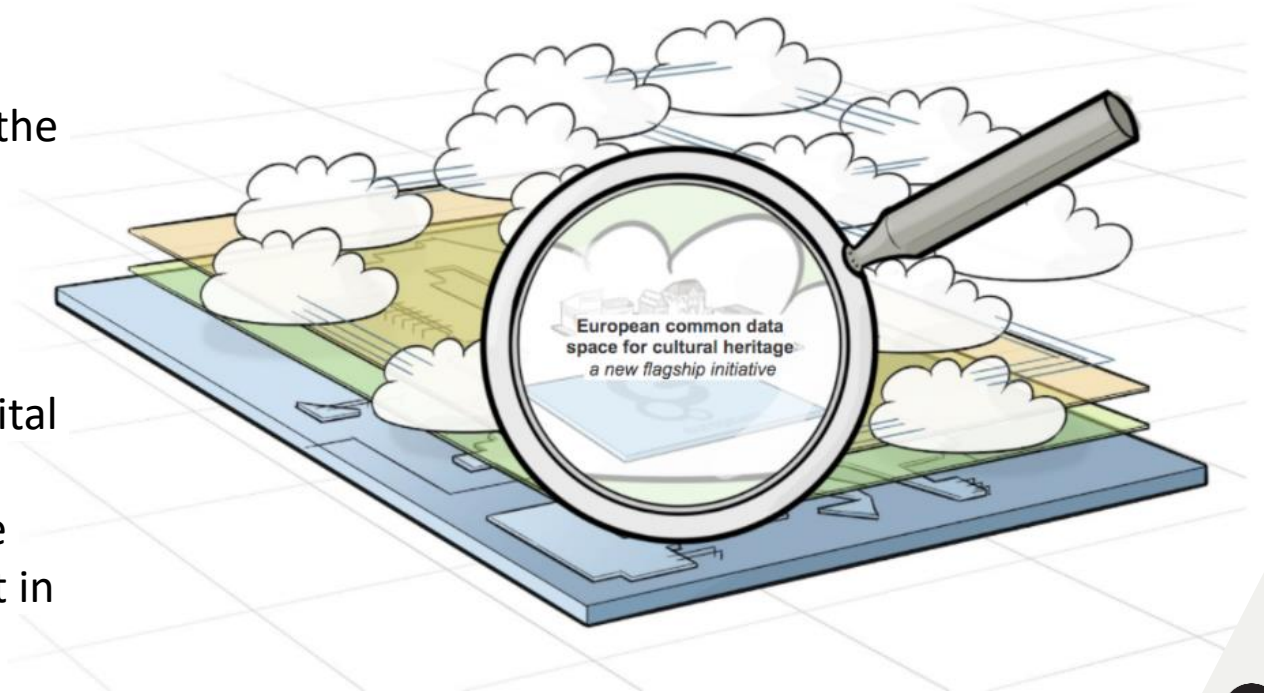
- **Digital transformation** is both the process and the result of using digital technology to transform how an organisation operates and delivers value.
- It helps an organisation to thrive, fulfil its mission and meet the needs of its stakeholders.
- It enables cultural heritage institutions to contribute to the transformation of a sector powered by digital and a Europe powered by culture.

*Image: photo by Sándor Bauer, CC-BY-SA Fortepan via Europeana*

# DATA SPACE FOR CULTURAL HERITAGE

The common European Data Space for Cultural Heritage is the new flagship initiative of the European Commission.

Scope is to accelerate the digital transformation of Europe's cultural sector, and foster the creation and reuse of content in the cultural and creative sectors.



# EC RECOMMENDATION 2021/7953

*"Digitise in 3D all monuments and sites (at risk) and 50% of all monuments and sites that are most visited"*

*"Member States should ...support and raise awareness of Europeana among the general public and particularly in the education sector and schools"*

*"All public funding for future digitisation ...should be made conditional upon making digitised content available in Europeana and the data space"*

The deployment of the Common European Data Space for Cultural Heritage is led by Europeana Foundation in collaboration with a consortium of 18 partners from nine EU countries.



The Data Space for Cultural Heritage builds on the Europeana Digital Service Infrastructure



*Photo courtesy CRDI Ajuntament de Girona*

# EUROPEANA

Discover more than 50+ million cultural heritage objects on the Europeana website.

<https://www.europeana.eu>



8 -Gerona. Headquarters of the Dehesa y Jardines

Desconegut

Girona City Council



Bronze ritual food vessel

United Archives / WHA

United Archives / WHA



théière

inconnu (céramiste); inconnu

Royal Institute for Cultural Heritage



Dignitaire chinois

inconnu (fondeur); inconnu

Royal Institute for Cultural Heritage

Ornamental leaf with rococo elements (10)

Georg Leopold Hertel

Catholic University of Leuven



Presentation of the trial of Pabsts Clemens XIV

Catholic University of Leuven



N.º 6.-Gerona.-Calle de Santa Eugenia

Desconegut

Girona City Council

Anonymous

B. Seibert; W. Otto; F. Schüler

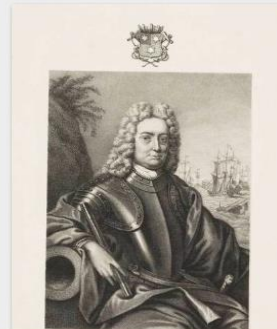
Catholic University of Leuven



[Monument to the Ombudsmen of Girona]

Desconegut

Girona City Council



# COLLECTIONS' AGGREGATION

...IN A NUTSHELL

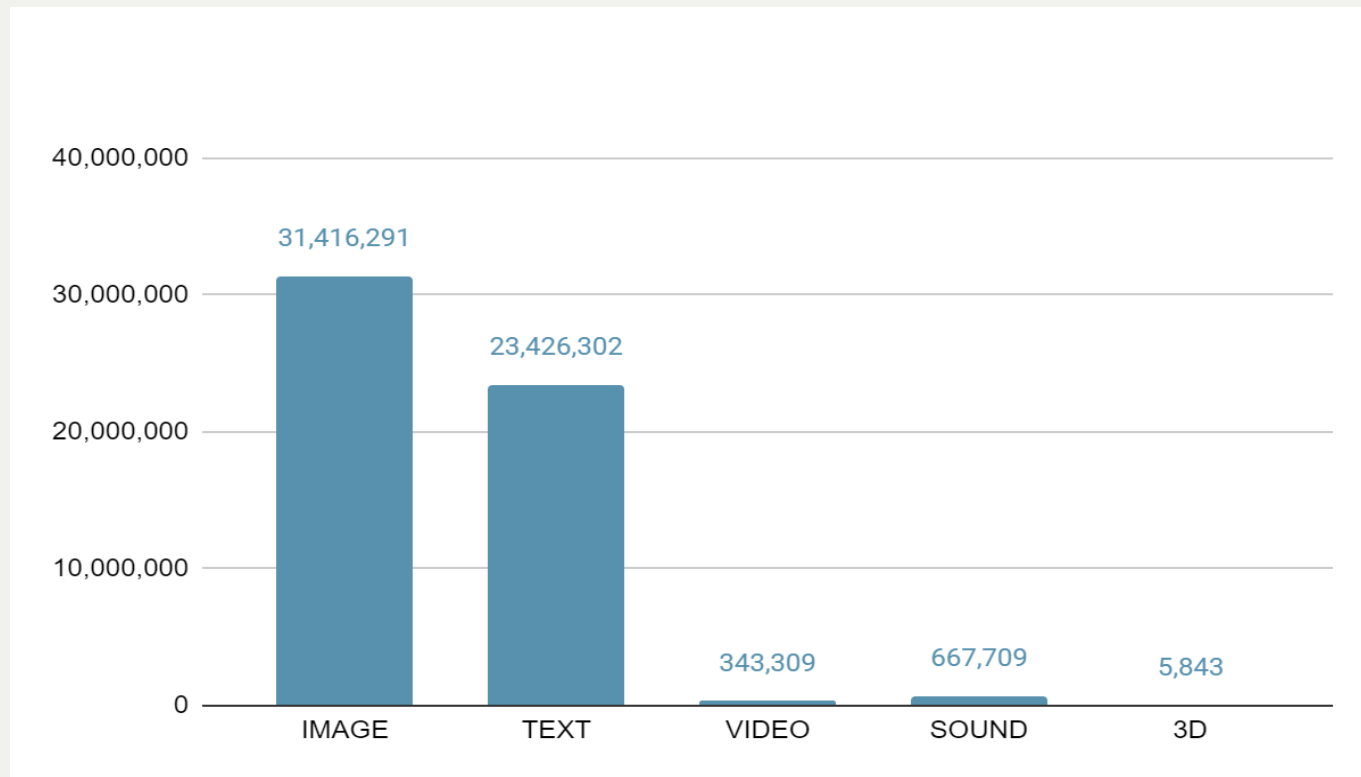


# DATA SPACE AND 3D CONTENT IN EUROPEANA



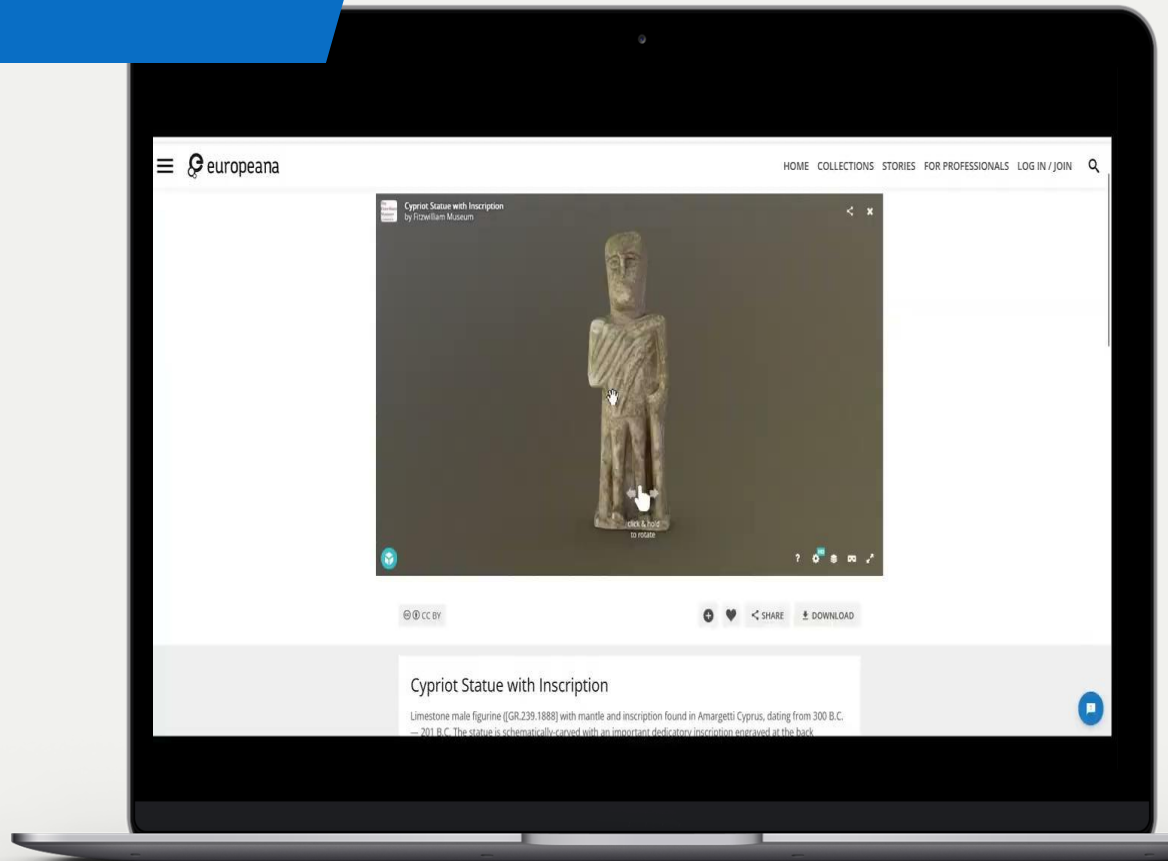


# EUROPEANA CONTENT BY MEDIA TYPE (Jan. 2023)



# 3D CONTENT

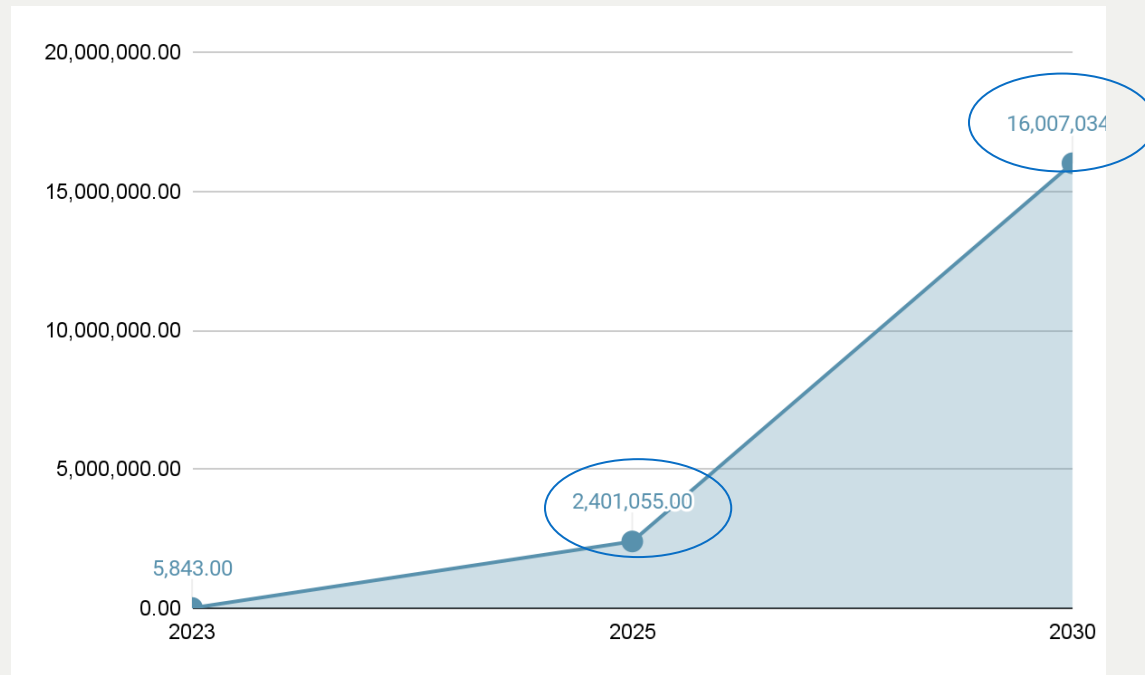
- Currently 5,800+ 3D objects in Europeana
- 40+ Cultural Heritage Institutions
- Representing 14 EU countries



# FUTURE OF 3D IN EUROPEANA

Intermediate and Indicative targets for content contribution to Europeana and the Data Space per Member State

\*Annex EC 2021/7953 Recommendation on a Common European Data Space



# WORK ON 3D

- In the context of the Data Space project, activities include:
  - Source and aggregate 3D content for the data space through a campaign engaging with domain, national aggregators and other data partners
  - Develop capacity in the form of guidance and trainings
  - Review the Europeana Publishing Framework and the Europeana Data Model to support the provision of 3D
- Other projects are funded to support the development of the Data Space and enrich Europeana collections.



1/1/2023 - 31/12/2024  
[www.eureka3d.eu](http://www.eureka3d.eu)

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Strand 2 project of the Data Space to support the digital transformation of the cultural heritage sector.

EUreka3D aims to offer a capacity building and knowledge programme, next to services and resources developed in a piloting action based on smart technical infrastructures and tools, also registered on the European Open Science Cloud (EOSC).



# Challenges for Cultural Heritage Institutions

The EC Recommendation demands CHIs for a **bigger effort in 3D digitization**, focusing on quantity but not giving clear parameters on quality. Also:

- **Not all CHIs have in-house expertise**, skills, nor capacity for identifying a quality service and for recognizing high quality 3D digitization that is compliant to the VIGIE study recommendations
- **Not all CHIs have access to proprietary infrastructures** that allow to host, manipulate and visualize high quality, large scale, 3D models → **need to buy e-infrastructure services**
  - Service provided by whom? Data from European CHIs should better stay in Europe
  - Long-term cost of service? Investment sustainability?
- **Variety of content and variety and complexity of information** makes 3D digitization and its online sharing (also in Europeana and with EDM) challenging

# Core activities in 24 Months

## e-infrastructure services development:

- Access to computing and storage resources managed in Europe
- Methods on authorization and authentication with different levels of interaction with users and with Europeana services
- Publication of services on EOSC European Open Science Cloud

## Capacity building action on:

- Implementing digitization of objects ex-novo and assessing quality of existing 3D collections against the VIGIE Study recommendations
- Providing holistic documentation of the 3D objects
- Impact assessment of high-quality 3D digitization workflows on CHIs
- Integrating data, metadata and paradata in EDM
- Events in presence and online for the community at large (next event in **Rome, 6th June 2023**)

# 3D in Cultural Heritage

6th June 2023 - Rome



Co-funded by  
the European Union

Caption: Chameleon, by Generalitat de Catalunya. Giravolt  
<https://patrimoni.gencat/en/giravolt>





# Many thanks for your attention!



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## **Citizen Heritage**

Citizen Science Practices in Cultural Heritage:  
towards a Sustainable Model in Higher Education

[www.citizenheritage.eu](http://www.citizenheritage.eu)