

Aggregation to Europeana

Aggregation of 2D and 3D content and the
Europeana Publishing Framework (EPF)

Ilektra Osmani, Metadata Coordinator

AGGREGATION

- the act of putting together different items, amounts, etc. into a single group or total (Oxford)
- the collecting of units or parts into a mass or whole (Mirriam-Webster)

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



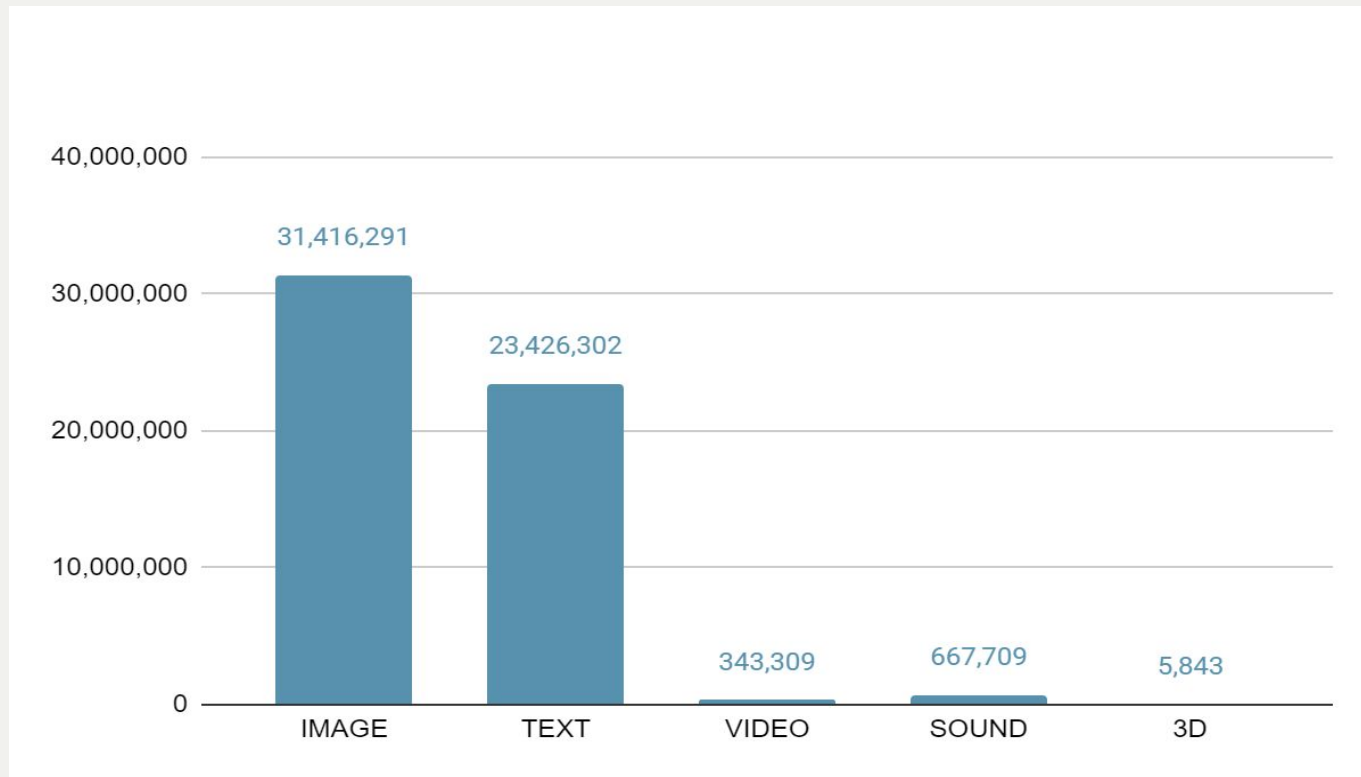
[Monument to the Ombudsmen of Gerona]

Desconegut

Girona City Council

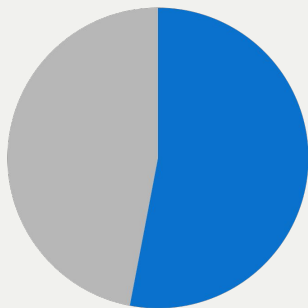


EUROPEANA CONTENT BY MEDIA TYPE



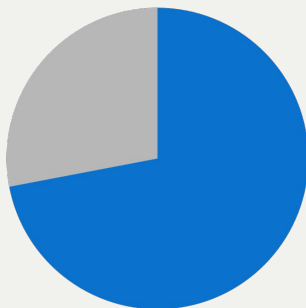
HIGH QUALITY DATA

53%



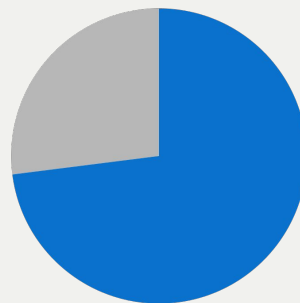
HIGH QUALITY AND
REUSABLE CONTENT

72%



HIGH QUALITY
CONTENT

73%



HIGH QUALITY
METADATA

DIGITAL TRANSFORMATION

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.

EUROPE

DIGITISATION

METADATA & CONTENT

- Digital cataloguing to capture metadata
- Digitising objects

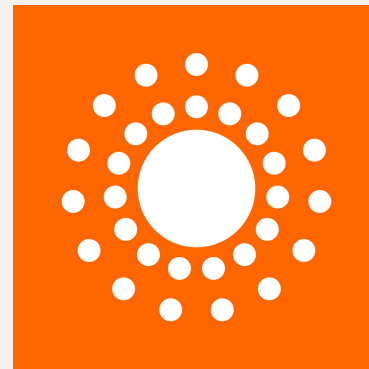


Digitize - Museum für Naturkunde - (c) Thomas Rosenthal

METADATA

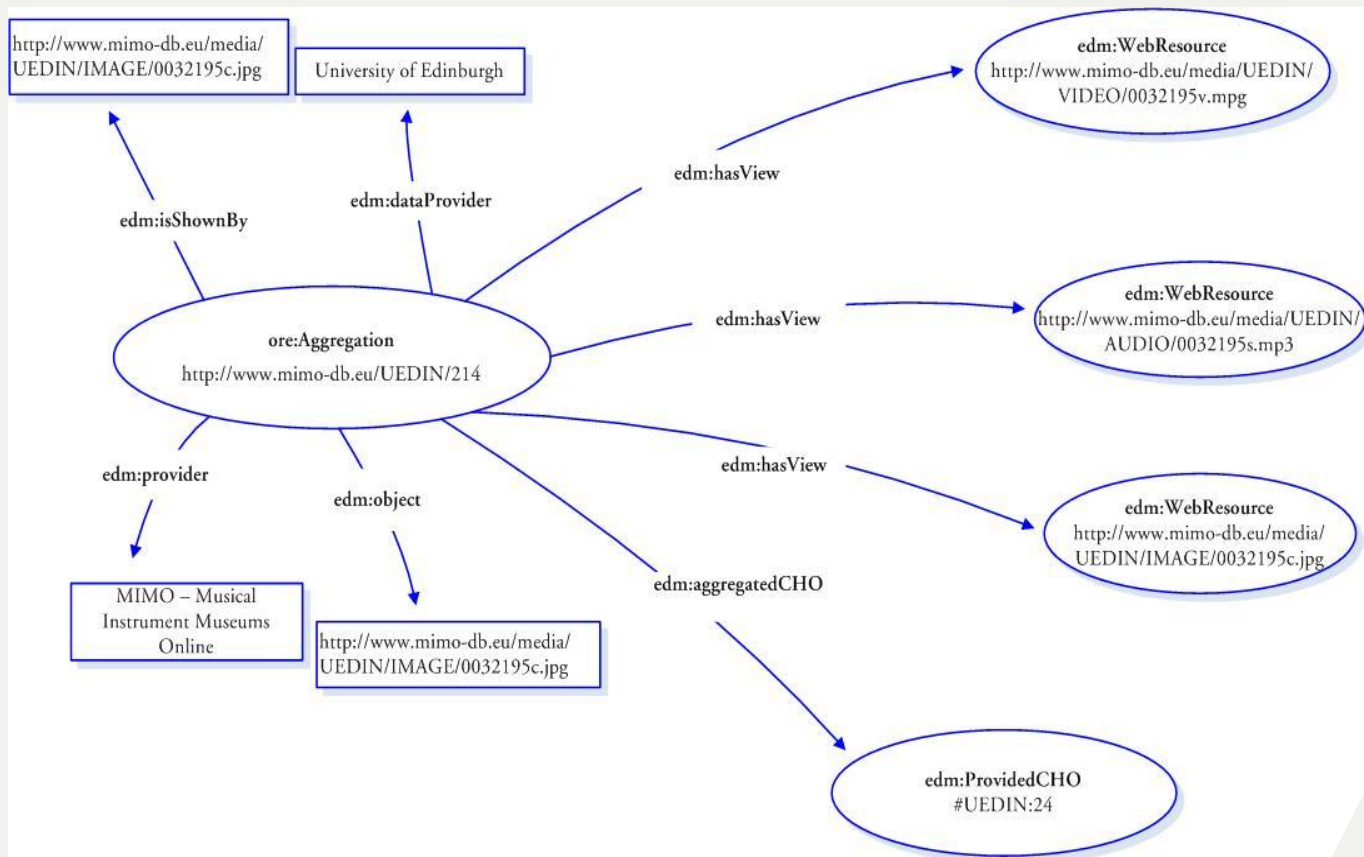
OUR LIFEblood

- Dublin Core
- Marc21
- LIDO
- EAD
- EFG data model
- ABCDE
- Darwin Core
- ...



METADATA

EUROPEANA DATA MODEL (EDM)



METADATA

EDM ...

... connecting the data
about an object with the
object



E.980.2.643

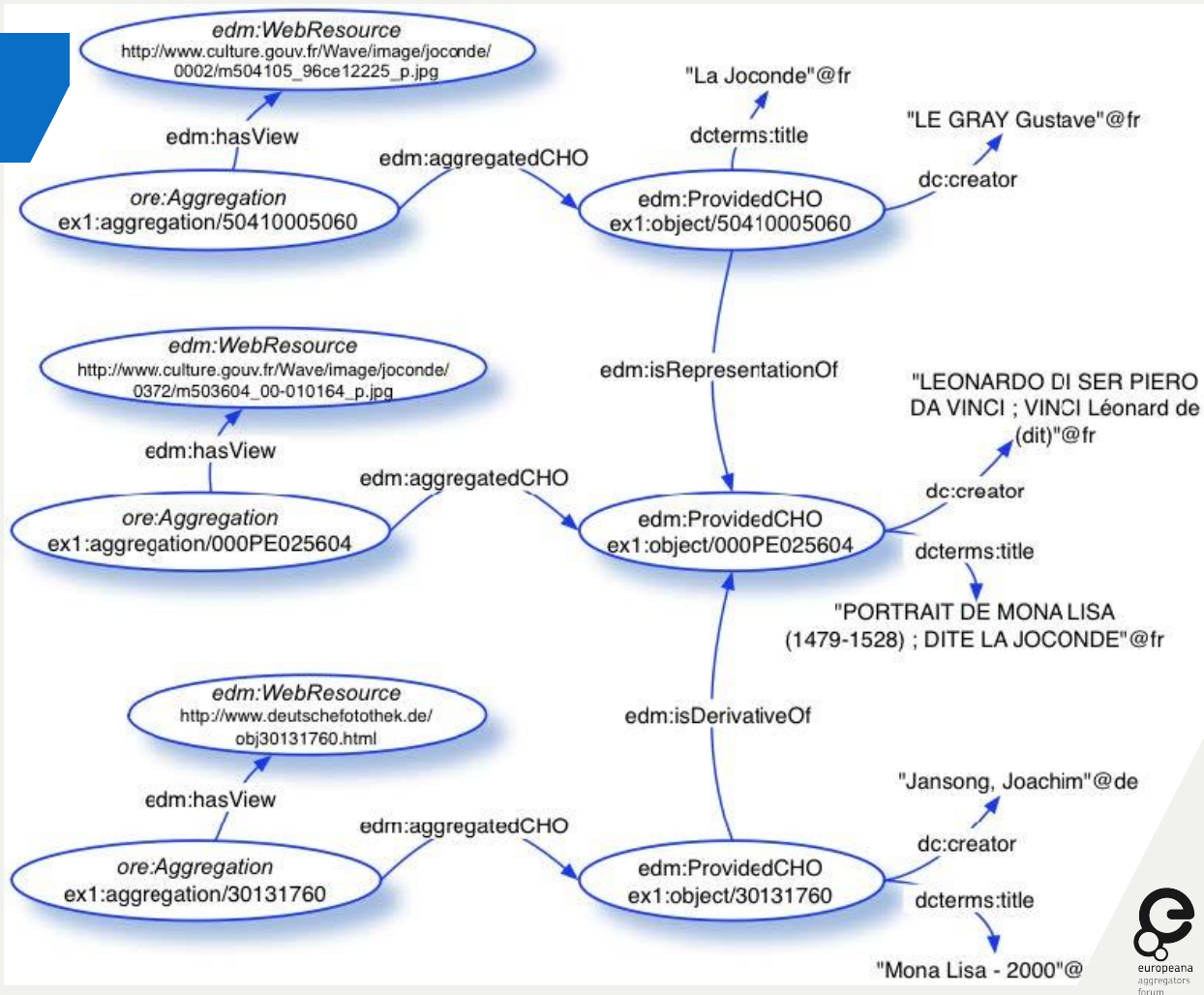


METADATA

EDM ...

... connecting objects
and entities and the data
about objects and
entities

*(Representation of two
works related to the
Mona Lisa)*



AGGREGATORS

27 NATIONAL AGGREGATORS



Europeana Local Austria

AUSTRIA

[LEARN MORE](#)



Kulturpool

AUSTRIA

[LEARN MORE](#)



Erfgoedplus.be

BELGIUM

[LEARN MORE](#)



Public Library Pencho
Slaveykov, Varna

BULGARIA

[LEARN MORE](#)



Ministry of Culture of the
Republic of Croatia

CROATIA

[LEARN MORE](#)



Cyprus Ministry of
Education, Culture, Sport
and Youth

CYPRUS

[LEARN MORE](#)



Czech Digital Library

CZECH REPUBLIC

[LEARN MORE](#)



Estonian e-Repository and
Conservation of Collections

ESTONIA

[LEARN MORE](#)



National Library of Finland

FINLAND

[LEARN MORE](#)



Gallica

FRANCE

[LEARN MORE](#)



Moteur Collections

FRANCE

[LEARN MORE](#)



German Digital Library

GERMANY

[LEARN MORE](#)

AGGREGATORS

13 DOMAIN & THEMATIC AGGREGATORS



CARARE

ARCHAEOLOGY

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Archives Portal Europe

ARCHIVAL FINDING AIDS AND INVENTORIES

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Europeana Sounds

AUDIO HERITAGE

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EUScreen

AUDIOVISUAL HERITAGE

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European Fashion Heritage Association

FASHION HERITAGE

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The European Film Gateway

FILM HERITAGE

[LEARN MORE](#)



Jewish Heritage Network

JEWISH HERITAGE

[LEARN MORE](#)



Manuscriptorium

MANUSCRIPTS

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MUSEU

MUSEUM COLLECTIONS

[LEARN MORE](#)



MIMO - Musical Instrument Museums Online

MUSICAL HERITAGE

[LEARN MORE](#)



OpenUp!

NATURAL HISTORY

[LEARN MORE](#)



PHOTOCONSORTIUM

PHOTOGRAPHY

[LEARN MORE](#)

AGGREGATION

...IN A NUTSHELL



EUROPEANA PUBLISHING FRAMEWORK (EPF)



EUROPEANA PUBLISHING FRAMEWORK

THE MORE YOU GIVE - THE MORE YOU GET

The Europeana Publishing Framework highlights the importance of data quality and advocates for improvements to metadata and content.

It defines how the quality of the metadata and content you provide affects how we can surface, showcase and promote it on the Europeana website.

It reflects how others can view, share and work with it.

EUROPEANA PUBLISHING FRAMEWORK



CONTENT TIERS

THE MORE YOU GIVE..

- Direct links to high-quality media
- Licences that are as open as possible

EUROPEANA PUBLISHING FRAMEWORK



METADATA TIER

THE MORE YOU GIVE..

- Rich metadata including keywords
- Links to Linked Open Data vocabularies
- Language tags

...THE MORE YOU GET

IN TERMS OF REACH, USE AND DISSEMINATION

- Exhibitions, galleries
- Reuse in education, research, creative industries
- Social media outreach
- Inclusion on Wikimedia articles



Galleries

Explore our galleries



Lithuanian-American sports

Lithuanian-American communities are found across the United States. Explore these photographs of their sporting...



Portraits by Ramon Casas i

Carbó sketched and painted evocative portraits of intellectual, economic and political figures in...



On public transport

Artworks and vintage photography capturing a variety of experiences being a public transport passenger



Basketball

Vintage photography and memorabilia showing histories of basketball across Europe

Exhibitions

Explore the exhibitions



The Renaissance of Roman...

Gypsy, Roma, Traveller communities, images and identities over a millennium



Mass media and...

Learn about important examples of political propaganda from the 20th century that help us reflect on our world today



When Walls Talk!

Discover pan-European exhibition examining history through the lens of posters



The images that shaped...

Discover a study of European globalisation through images

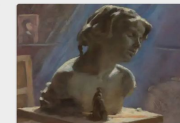
Themes

Browse by theme



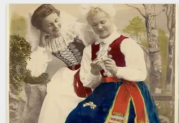
THEME
Archaeology

Archaeological treasures



THEME
Art

Inspiring art, artists and stories



THEME
Fashion

Clothing, accessories and designs



THEME
Industrial Heritage

Industrial heritage and working lives

CONTENT

IMAGE QUALITY

- High resolution
- Open licence



Public Domain



SHARE



DOWNLOAD

Girl with a Pearl Earring

Girl with a Pearl Earring is Vermeer's most famous painting. It is not a portrait, but a 'tronie' - a painting of an imaginary figure. Tronies depict a certain type or character; in this case a girl in exotic dress, wearing an oriental turban and an improbably large pearl in her ear. Johannes Vermeer was the master of light. This is shown here in the softness of the girl's face and the glim...

[Read more](#)

CONTENT

IMAGE QUALITY

- High resolution
- Open licence



METADATA

METADATA QUALITY

- Good titles & descriptions
- Titles & descriptions in multiple languages
- Entities in the data



Public Domain

Girl with a Pearl Earring

Girl with a Pearl Earring is Vermeer's most famous painting. It is not a portrait of an imaginary figure. Tronies depict a certain type or character; in this case a girl in exotic dress, wearing an oriental turban and an improbably large pearl in her ear. Johannes Vermeer was the master of light. This is shown here in the softness of the girl's face and the glim...

[Read more](#)

COLLECTIONS YOU MIGHT LIKE

[Digitale Collectie](#) [Painting](#) [Mauritshuis](#)



Public Domain

[+](#) [❤](#) [DELEN](#) [DOWNLOAD](#)

Meisje met de parel

Meisje met de parel is het beroemdste schilderij van Vermeer. Het is geen portret, maar een 'tronie': een fantasiekop. Tronies beelden een bepaald type of karakter uit, in dit geval een meisje in exotische kledij, met een oosterse tulband en een onwaarschijnlijk grote parel in het oor. Vermeer was de meester van het licht. Hier is dat te zien aan het zachte in het meisjesgezicht, de glimlic...

[Lees verder](#)

COLLECTIES DIE U MISSCHIEN INTERESSANT VINDT

[Digitale Collectie](#) [Schilderkunst](#) [Mauritshuis](#)


METADATA

ENTITY COLLECTION


- Subject
- Type
- Agent
- Organisation
- ...

Painting

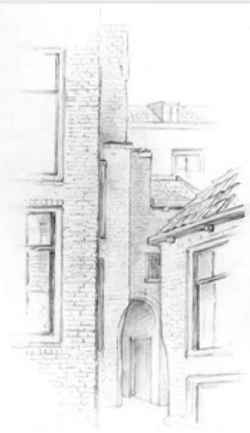
← SHARE




Kinderportret van jhr.
Aernout Cornelis Druyvesteyn
Siebert I, Heinrich
Geldersch Landschap & Kasteelen



"Hoeckhorst"
Het Utrechts Archief




Gezicht op de bebouwing aan
de achterzijde van het
poortgebouw van het huis
Zoudenbalch (M...
Hanau, K.H., tekenaar
Het Utrechts Archief



Paneelschildering "De kroning
van Maria" op hout door een
Italiaanse schilder (Siena?),
mi...
Italiaans meester
Castle Huis Bergh

YOU MIGHT ALSO LIKE

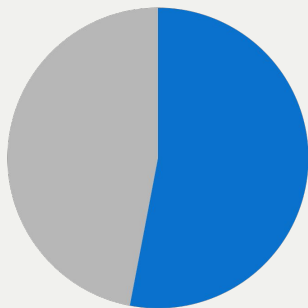
- Fine art
- Watercolor painting
- Art
- Portrait



Kinderportret van jkvr. Maria
Anna Jacoba Druyvesteyn
Siebert I, Heinrich
Geldersch Landschap & Kasteelen

HIGH QUALITY DATA

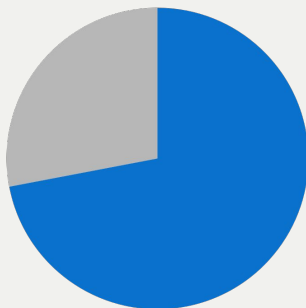
53%



HIGH QUALITY AND
REUSABLE CONTENT

Tier 3+ content

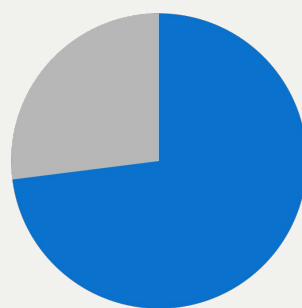
72%



HIGH QUALITY
CONTENT

Tier 2+ content

73%



HIGH QUALITY
METADATA

Tier A+ metadata

DATA SPACE AND 3D CONTENT IN EUROPEANA

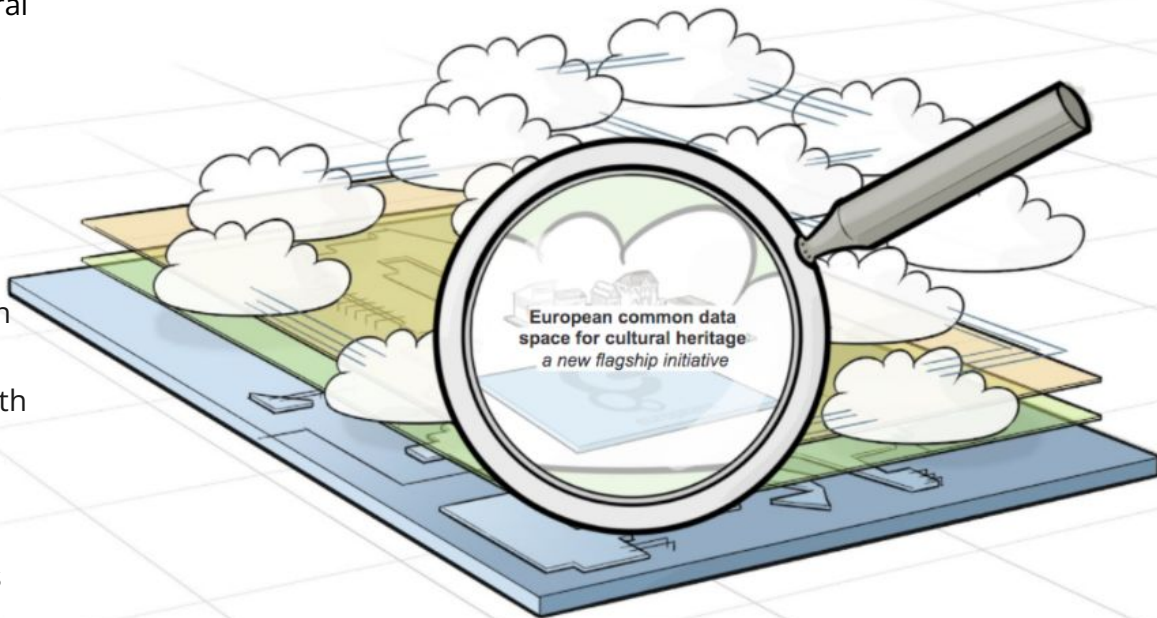


DATA SPACE FOR CULTURAL HERITAGE

A common European data space for cultural heritage helps our content to be widely accessible to more individuals, businesses and other sectors, finding ever-increasing uses in creative industries, research, education, tourism and more.

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](#) (Europeana DSI) from mid-2015 to mid-2022 and the [Europeana Strategy 2020-2025](#).



RECOMMENDATIONS

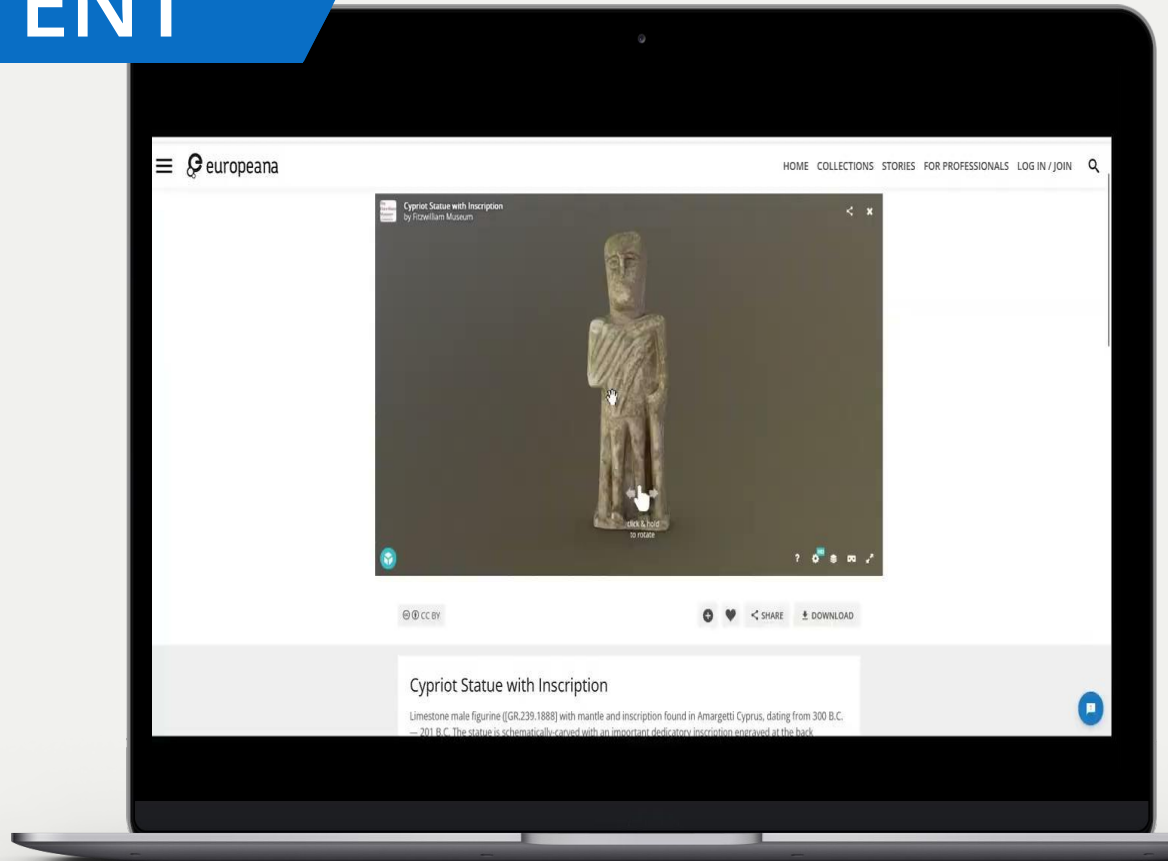
"Digitise in 3D all monuments and sites (at risk) and 50% of all monuments and sites that are most visited"

"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"

3D CONTENT

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



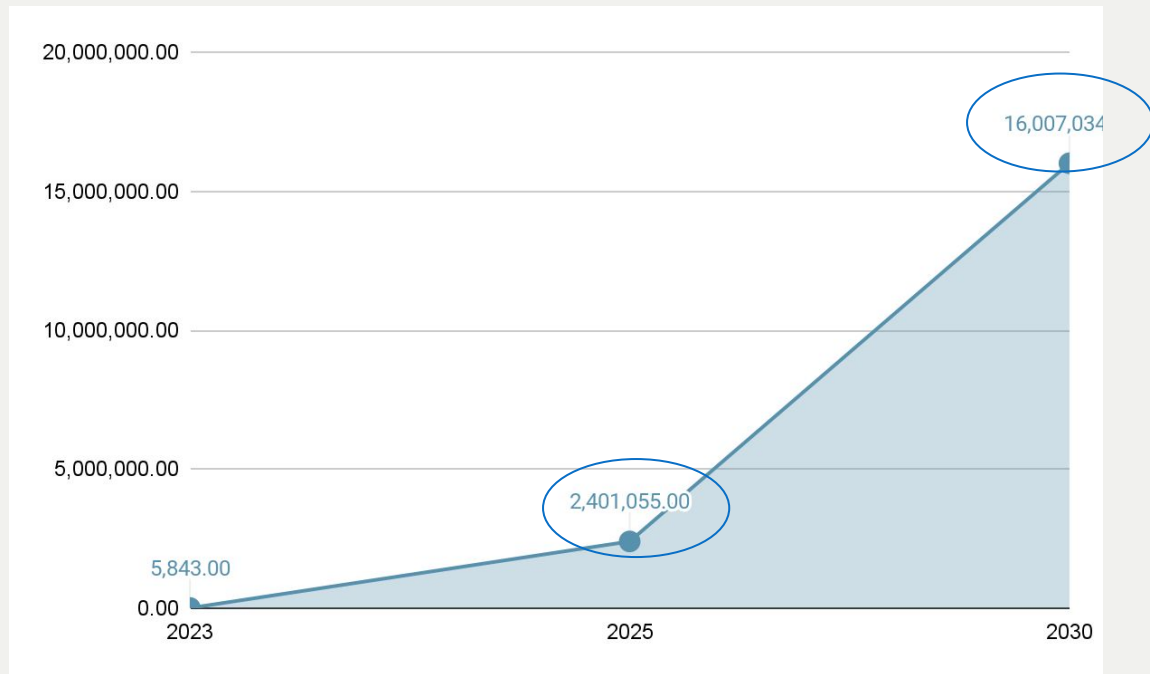
WORK OF THE DS ON 3D

- Europeana Foundation together with **CARARE, TIME MACHINE and INCEPTION** will work together to
 - 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
- A 3D working group will be launched in the coming month to foster synergies within the network on the topic

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



3D DOCUMENTATION UPDATES

- Updated the Europeana Publishing Guide by adding guidance on the minimum requirements for 3D content, including a ***clear definition for a 3D object***, and the ***technical criteria for reaching each tier*** as for all other content types.
 - **Content tier 0** (not compliant to the Europeana Publishing Framework):
Records where the main digital resource is a 2D image or a pdf
 - **Content tier 1**: A record that has a valid landing page
 - **Content tier 2**: A record that has at least one 'good' media resource (that is not a 2D image or PDF)
 - **Content tier 3 / 4**: A record for which rights statements allow at least reuse with conditions (on top of content tier 2 requirements)

⇒ these requirements are also implemented in Metis

DATA SPACE PROJECTS

EUreka3D

Aims to build the capacity of small CHIs in digital transformation, particularly on issues related to 3D digitisation by offering knowledge, services and resources.

The project will start on 1 January 2023 and will run for 24 months.

Participant countries: Italy, Netherlands, Spain, Cyprus, France



5D Culture

Aims to enrich the offer of 3D digital cultural heritage assets in the data space and foster their reuse in domains such as education, tourism and the wider cultural and creative sector

The project will start on 1 January 2023 and will run for 24 months.

Participant countries: Netherlands, Italy, Austria, Ireland, Italy and Spain





 pro.europeana.eu

 [@EuropeanaEU](https://twitter.com/EuropeanaEU)

