The background of the slide is a blue-tinted historical illustration of a city street. On the left, a tall, ornate church tower with multiple levels of windows and a dome-like structure rises above the rooftops. The street below is filled with various buildings of different heights and styles, some with gabled roofs. In the distance, more buildings and possibly a bridge or another structure are visible. The overall scene depicts a busy, historic urban environment.

A matter of competence, quality and infrastructure: the Eureka3D initiative

Valentina Bachi and
Antonella Fresa

PHOTOCONSORTIUM

EUreka3D initiative

EUreka3D (2023-2024)

EUreka3D-XR (2025-2026)

Both co-funded by the EU as
supporting projects for the
common European data space
for cultural heritage

EUreka3D-XR is the continuation project of EUreka3D
to develop innovative re-use scenarios and tools
that enable the creation of extended reality (XR) applications
in Cultural Heritage.



Follow the project on
www.eureka3d-xr.eu



EUreka3D-XR



eureka3d_xr



EUreka_3DXR

Official Media Partner

DIGITAL **CULTURE**
www.digitalmeetsculture.net

Supporting creation and sharing of high-quality 3D cultural collections

- Quality
- Infrastructure
- Competence

Soon available as online
course on the Europeana
Learning Platform!

3D Digitisation Guidelines: Steps to success

A guide based on the EU VIGIE Study on quality in 3D digitisation of tangible cultural heritage

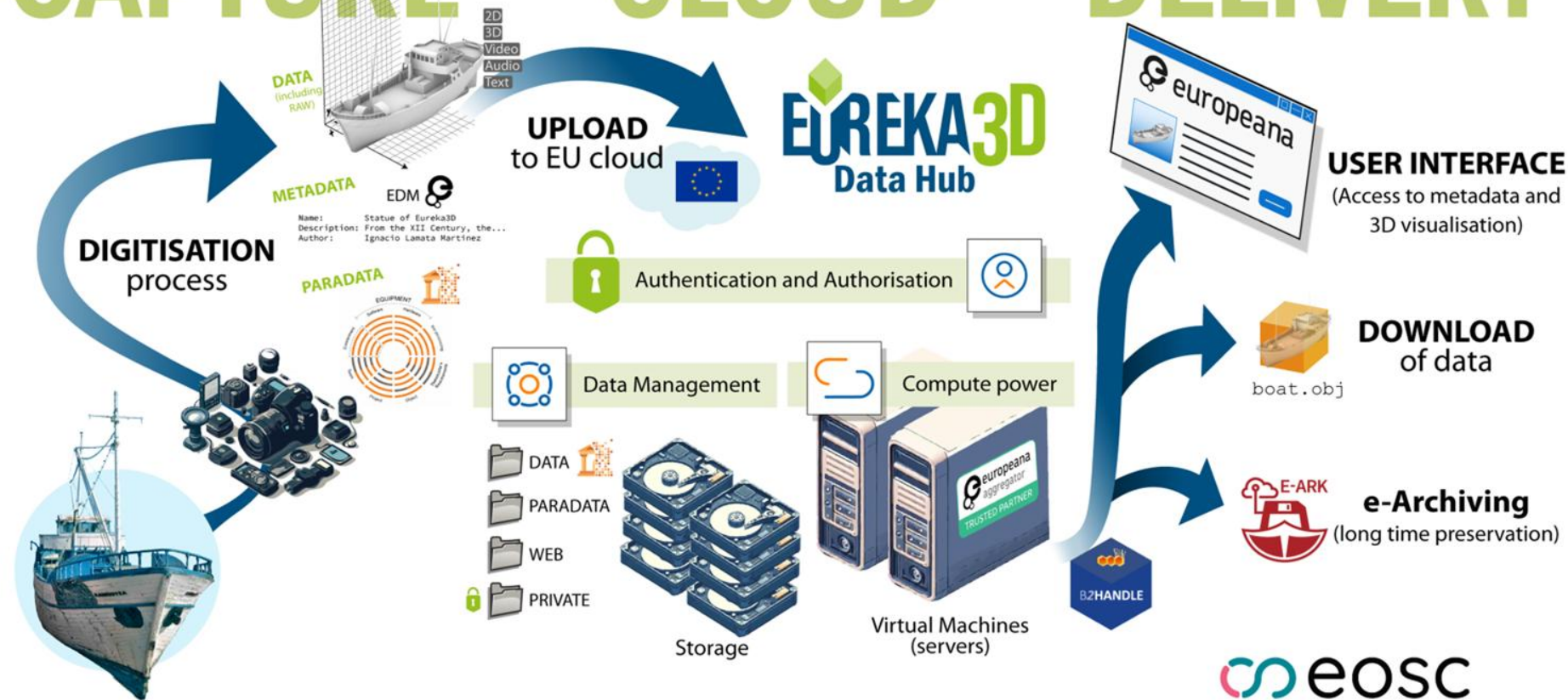
DOWNLOAD IT



CAPTURE

CLOUD

DELIVERY



Co-funded by
the European Union

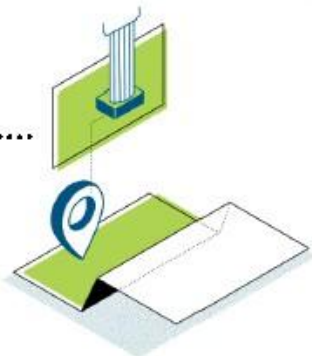
Eureka3D is co-funded by the Digital Europe
Programme of the European Union
GA n. 101100685

EUreka3D-XR tools

In EUreka3D-XR, five tools are being developed to enable use and reuse of 3D and other types of digital cultural content in creative outputs that enhance the visitor's experience of collections, heritage sites, and cultural visits.

AR TOUR BUILDER

Online tool for creating custom AR tours, retrieving 3D objects from Cultural Heritage repositories and associating them with locations on a map.

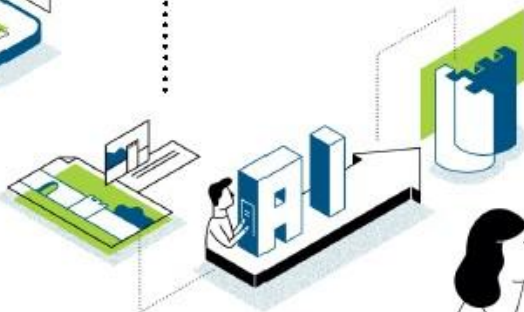


AR TOUR EXPERIENCE

Mobile app that allows visitors to experience phygital tours, superimposing 3D digital objects onto the physical world.

AI 3D BUILDER

3D Modelling software pipeline that reconstruct cultural heritage sites using AI technologies, digital photo and archival documents.



3D XR STUDIO

Web tool for creating XR/AR experiences using a range of predefined layouts for UX and UI.



AVATAR BUILDER

AI-based tool to create the digital representation of human characters that interact with visitors of cultural heritage sites.

EUreka3D-XR

European Union's REKonstructed content in 3D to produce XR experiences

EU project co-funded by the Digital Europe Programme

Start date: 1/2/2025

Duration: 18 months

Coordinator: Photoconsortium International Association

Partners: CRDI, Bibracte, Cyprus University of Technology, EGI, WCSS, imec, SWING.It, meemoo, Miralab, National Technical University of Athens, Europeana Foundation

Objectives:

- To transform cultural contents (2D, 3D, video, texts, maps, stories) into extended Reality (XR) scenarios
- To deliver the XR scenarios to the common European data space for cultural heritage
- To continue the effort to strengthen the capacity of cultural heritage institutions

EUreka3D-XR scenarios

The tools are used in three demonstration scenarios, that serve as a proof of concept, case studies and inspirations for other CHIs to try the tools and create their XR storytelling.

GIRONA (CAT)

The virtual visualisation of the middle-ages walls of the city of Girona.



BIBRACTE (FR)

The XR narrative of excavations in process in the Bibracte archaeological site.



PAPHOS (CY)

The creation of a new life of Saint Neophytos Englystra in Cyprus in the virtual space.



Upcoming events

Capacity building event in
Brussels on 26/9/2025,
hybrid format

Reimagining Culture in 3D and XR Hybrid Capacity Building Event

SAVE THE DATE!
26 September 2025
10am - 1pm CET
In Brussels and online

EU REKA3D^{XR} European Union's REKconstructed content
in 3D to produce XR experiences

MORE INFO



Co-funded by
the European Union

Driving digital transformation in Cultural Heritage Institutions Online Training Programme

SESSION 1 - 19 November 2025

*Heritage Policies and strategies for the digital transformation
of practices*

SESSION 2 - 26 November 2025

The impact and transformative power of Digital Cultural Heritage

SESSION 3 - 3 December 2025

Good practices and experiences for creation, access and re-use



Co-funded by
the European Union



INTERNATIONAL
COUNCIL ON ARCHIVES
CONSEIL INTERNATIONAL
DES ARCHIVES



Three weekly appointments

19/11/2025

26/11/2025

03/12/2025

3 - 3.45pm CET

Keynote speech

4 - 5pm CET

Interactive working session



3 online sessions:

- 19 November
- 26 November
- 03 December

Follow the progress and updates of the project on:

www.eureka3d-xr.eu



EUreka3D-XR



eureka3d_xr



EUreka_3DXR

