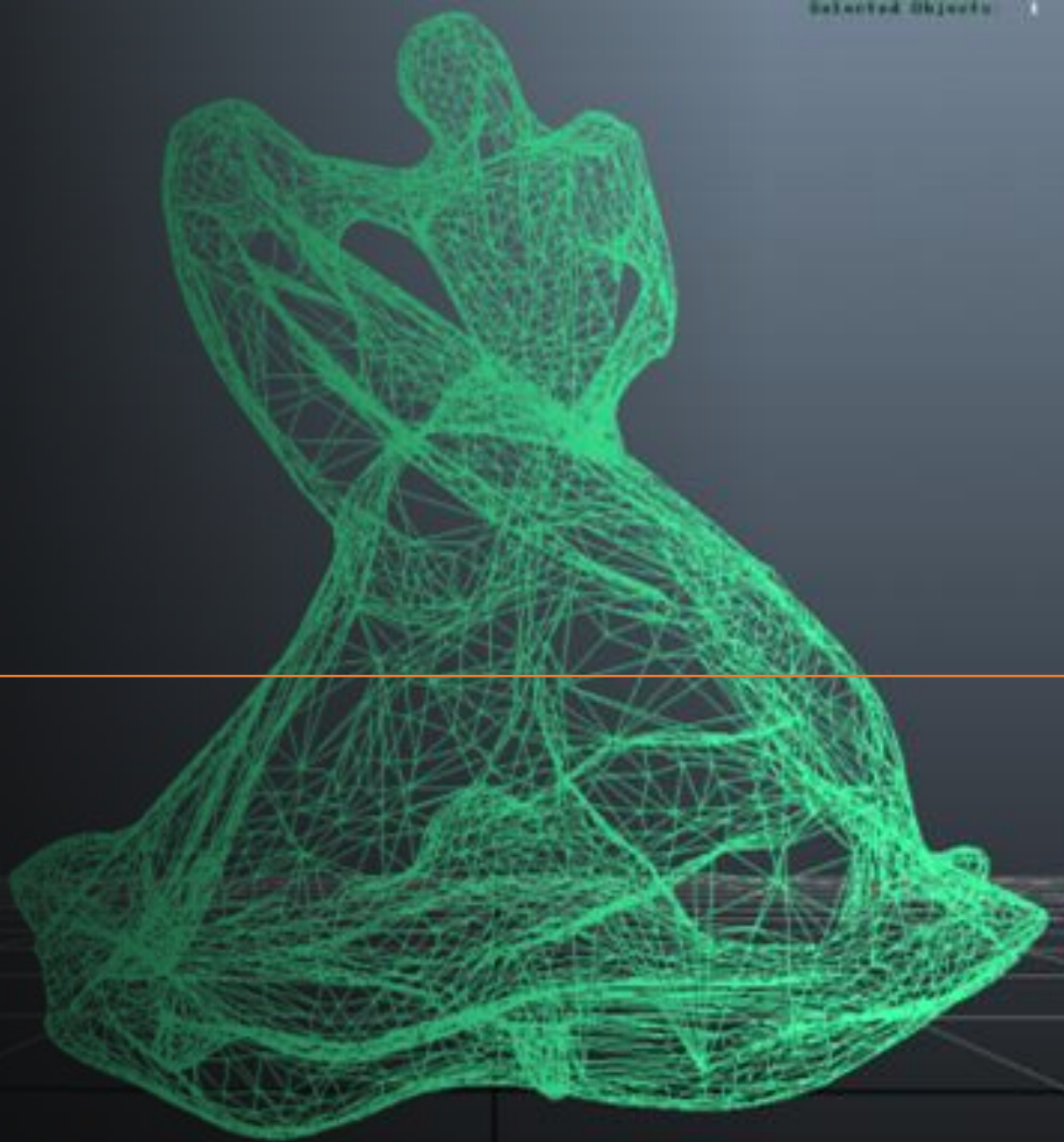


# EUreka3D project 2023-2024

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# EUreka3D

Complementary project of the Data Space (strand 2)  
to support the digital transformation of the cultural heritage sector



The project will 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). The data hub and services will allow cultural heritage institutions to **safely authenticate** and use storage and computing resources to manage their 3D assets, which will give (big and smaller) institutions an affordable and simpler way to digitise, model, manage and share 3D records.

**Website:** <https://eureka3d.eu>

**Blog:** <https://www.digitalmeetsculture.net/projects/eureka3d-blog/>

# Challenges for CHIs (1)



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

- **Not all CHIs have in-house expertise** nor capacity for identifying a quality service and for recognizing high quality 3D digitization
- **Not all CHIs have access to proprietary infrastructures** that allow to host, manipulate and visualize high quality, large scale, 3D models (thus also creating an issue on data storage and investment sustainability)

The risk we run is to generate a mass of 3D objects in medium quality/size today that will not be reusable tomorrow!

# Challenges for CHIs (2)



- **Variety of content** held by CHIs does not allow a one-size-fit-all approach:  
3D can be applied to very different types of heritage, with different requirements: to digitize Pompeii would be “slightly” different from digitizing a daguerreotype
- **Variety and complexity of information** matters:  
Importance of sharing data, metadata, paradata may not be so evident especially to smaller CHIs

# Challenges for CHIs (3)



The EU-funded VIGIE Study 2020/654 has identified all relevant elements for successful 3D digitisation of cultural heritage, classifying them by degree of complexity and purpose or use.

- But the implementation of VIGIE study recommendation in CHIs workflows requires **understandable and domain-specific** training
- Also, understanding the **value of participating in Europeana and in the Data Space** for Cultural Heritage requires awareness raising and training
- Finally, accommodating the collections (including data metadata e paradata as generated by the process) in **EDM** is challenging.

More 3D content!  
All sites at risk!  
50% of other heritage!



Quality of 3D models!  
Metadata and paradata!  
Formats, standards,  
methodologies!



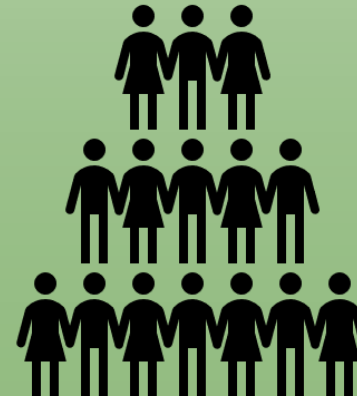
Virtual Machines!  
Storage capacity!  
Preservation!  
Interoperability!

HELP!

Content tiers!  
Metadata tiers!  
Europeana Data Model!  
Open access!  
Data Space!



Digital skills!  
Knowledge!  
Workflows!



# Ongoing work 1



## **ACTIVITIES IN 24 MONTHS (1/1/2023 - 31/12/2024):**

**Capacity building in the area of 3D digitization and holistic documentation of 3D content, according to the [VIGIE Study on quality in 3D digitisation of tangible cultural heritage](#)**

- **Piloting action with EUreka3D content providers by:**
  - Implementing digitization of objects ex-novo following the VIGIE Study
  - Assessing quality of existing 3D digitization against VIGIE Study recommendations
  - Providing holistic documentation of the 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 6 June)

# Ongoing work 2



## ACTIVITIES IN 24 MONTHS (1/1/2023 - 31/12/2024):

### e-infrastructure services development:

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

Aggregation of new collections

Europeana editorials and communication

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