



TWINIT

3D FOR EUROPE'S CULTURE

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Europeana Foundation

Twin it! logo. A composition of Windmolen van Elene by FrDr, CC BY-SA 4.0 and Elene windmill by visualdimension, CC BY-NC-ND. Creator: Ana Moreno Date: 2023 Institution: Europeana Foundation.







A call to EU Member States for a pan-European collection of 3D-digitised heritage assets







'Digitise in 3D all monuments and sites deemed at risk and 50 % of the most physically visited'

European
Commission
Recommendations
2021

Sets ambitious indicative targets for content contribution to Europeana and the data space, both in terms of new high quality records and 3D assets.

Pay special attention to specific categories of heritage assets with low level of digitisation.



Deployment of the data space

Deployment of the data space in alignment with the European Commission Recommendation, with 3D being key to the success of the data space.





Training Programme and collaboration mechanisms



Aggregation innovation (pilots and strategy development)



Member States relations and Country Groups



Diversify user engagement (XR/VR)





Mainstream 3D in products & services



Position the data space



Workflows and customer loyalty





IMPACT

- Directly support the goals of the European Commission Recommendation of 2021 on a common European data space for cultural heritage.
- Supporting Member States in their 3D digitisation and preservation efforts.
- Create awareness and shared understanding of the opportunities and benefits of 3D, build capacities
- Ultimately, contribute to increase the amount of high-quality, usable and accessible 3D content in the data space.









TIMELINE







EXAMPLES



- Petäjävesi Old Church, Finland
- Category according to European Commission Recommendation (2021):
 - Deemed at risk
 - Among the most physically visited monuments, buildings and sites
 - Category of cultural heritage with low level of digitisation









The National and University Library in Ljubljana, **Slovenia**

Category according to European Commission Recommendation (2021):

 Among the most physically visited monuments, buildings and sites.









- Bote de Zamora, **Spain**
- Category according to European Commission Recommendation (2021):
 - Category of cultural heritage with low level of digitisation.



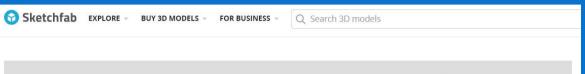


Challenges











Storage and viewing











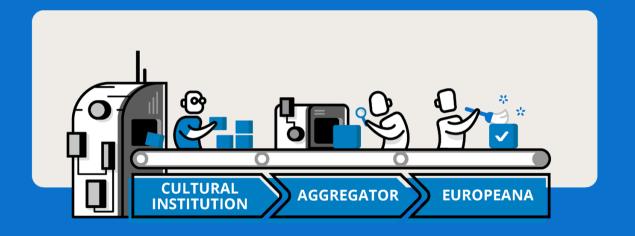
Quality of 3D

- Content quality
- Paradata
- EDM
- EPF





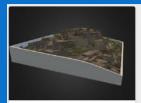




Aggregation







Čittadella, Gozo Heritage Malta

The same of the sa

Kolegiata pw. św. Marcina Biskupa w Opatowie

National Heritage Institute



Nagrobek Krzysztofa Szydłowieckiego

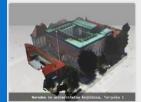
Bartolommeo Berrecci, Jan (Giovanni) Cini

National Heritage Institute



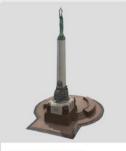
Anne Marie Carl-Nielsen, Mermaid, 1920

National Gallery of Denmark



National and University Library; 3 D digital presentation

National and University Library of Slovenia



Brīvības piemineklis

National Heritage Board of Latvia



Petäjäveden vanhan kirkon saarnastuolin 3D-mallinnus

Tietoa Finland Oy; Keitaanniemi, Aino; Hauru, Jaakko; ...

Finnish Heritage Agency



Petäjäveden vanhan kirkon 3D-mallinnus

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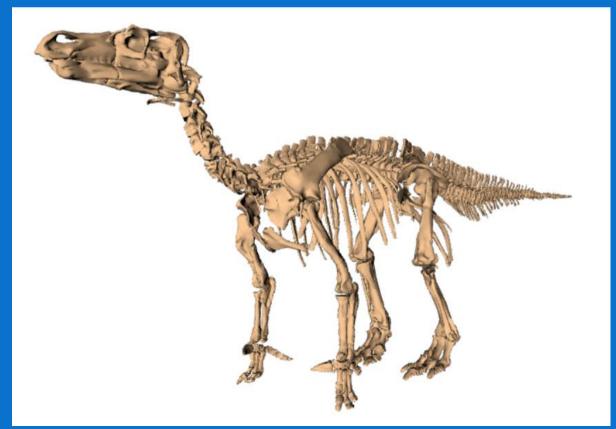




europeana















Iguanodon de Bernissart (Iguanodon bernissartensis Boulenger)

Royal Belgian Institute of Natural Sciences



Thigh of dinosaur Iguanodon

Geomuseum of WWU



Shame legs of dinosaur Iguanodon

Geomuseum of WWU



Shells of the dinosaur Iguanodon

Geomuseum of WWU



Bone of a dinosaur Iguanodon



Basin of a dinosaur Iguanodon

Geomuseum of WWU



Iguanodon fittoni

The Trustees of the Natural History Museum, London



Upper arm bone of dinosaur Iguanodon

Geomuseum of WWU









Farnwedel (Weichselia ludowicae STIEHLER)

Natural History Museum, Bielefeld





Weichselia Mantelli Tree Fern Fossil (Cretaceous period)

Alex May

The Amelia



Goniopholis

The Trustees of the Natural History Museum, London



Goniopholis

The Trustees of the Natural History Museum, London



Goniopholis

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Goniopholis

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Goniopholis simus Owen, 1878

The Trustees of the Natural



Thank you

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