

EUreka3D-XR: 3D and XR in the European Digital Cultural Heritage

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3D AND XR IN THE EUROPEAN DIGITAL
CULTURAL HERITAGE



EUreka3D-XR has finalised its booklet "**EUreka3D-XR: 3D and XR in the European Digital Cultural Heritage**": the publication describes the **EUreka3D competence centre**, including the **EUreka3D Data Hub**, their **training and capacity building** work, its **impact, sustainability and future plans**, and finally the **5 innovative open-source tools** implemented to create three extended reality experience scenarios based on the reuse of existing digital cultural collection.

The scenarios:

The first scenario utilises the findings and collections of the Girona Municipal Archive, Catalonia, Spain, to reconstruct the missing portions of the city's historical walls, employing AI technologies. The second scenario maps points of interest for the archaeological centre of Bibracte, France, offering an enriched AR experience for visitors: this experience places 3D representations of museum artefacts and virtual reconstructions of lost buildings back into the landscape context. The third scenario mixes the 3D digitisation of the historic hermitage (Enkleistra) of St Neophytos in Paphos, Cyprus, and its Byzantine frescoes together with historical documents, to deliver a range of VR experiences that make it possible for the visitor to interact with a virtual avatar of the saint and listen to the story of his life in the Enkleistra.

The booklet is available on Zenodo: [follow this link](#) to download the PDF.



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