

EUreka3D-XR pilot scenario in Girona moving forward into production



EUreka3D-XR partner [Swing:IT Software Engineering Italia S.r.l.](#) team met [CRDI Ajuntament de Girona](#) for two fruitful days of work, planning and progressing on the virtual visualisation of the Girona historical walls, one of the three XR scenarios developed in the project.

The pilot is about using archival materials to reconstruct in 3D the medieval walls of the city of Girona (Catalonia, Spain); and to reuse such reconstruction for an AR walking tour using a mobile device. The walls were partly demolished at the beginning of the 20th century because of the new urban setting of the city, and so archaeological restoration was not possible anymore.

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In the Eureka3D-XR project, 3D modelling and XR allow to go back to history and recover what was destroyed at that time. Based on cartography, engravings, photography, films and textual records, we will be able to visualise the walls again with a very realistic approach. Using the **AI 3D Builder** tool that partner project Swing:It is developing, an advanced AI-powered software pipeline to generate 3D models from 2D image collections, it will be possible to recreate very realistic 3D models of the demolished walls. To enable users and tourists to access this reconstruction, the **3D XR Studio**, a web-based editor complemented with a mobile application, will allow to create an XR experience accessible on site.



In the team meeting in July 2025, much work was done including capturing images with a drone as a source for the reconstruction, visiting the location where the virtual reconstruction of the wall will be placed, visiting the City History Museum to get more historical context, all complemented with enriching meetings and discussions about the evaluation and iterative development of the tools and the final outcomes.

In November 2025 the first prototype of the tools is expected to be released, and the Girona walls scenario will be presented in its first version during a demo event set in Girona at the end of January 2026.

Read more about the Pilot on project website: www.eureka3d-xr.eu