

HERITALISE

Heritage Buildings and Objects Digitisation & Visualisation within the Cloud

HERITALISE aims to revolutionize how we document and understand cultural heritage (CH) by advancing digitalization and AI-powered tools.

Our **mission** is to **create cutting-edge digitization techniques that capture both visible and hidden features of CH assets**. Using machine learning for optimized data processing, HERITALISE will transform raw data into valuable insights, connecting everything in a knowledge graph for easy exploration. Much like Wikipedia, users can follow links to discover detailed research, findings, and relationships related to each CH object.

Our ecosystem will integrate with the **European Collaborative Cloud for Cultural Heritage (ECCCH)**, providing a **scalable, web-based platform for European CH institutions to share, access, and build on enriched digital resources for preservation and research**.

The head of the research unit at Politecnico di Torino is Prof. **Filiberto Chiabrando** from the **Department of Architecture and Design**. For the DIATI, the Geomatics group (**Andrea Lingua**) is involved, with the collaboration of **Chiara Colombero** (Geophysics).

PROJECT DURATION

48 months

01/01/2025 - 31/12/2028

WEBSITE and SOCIAL MEDIA

<https://heritalise-eccch.eu/>



PARTNER

- IDP INGENIERIA Y ARQUITECTURA IBERIA SL ES Coordinator
- THE UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREUK
- FUNDACION TEKNIKER ES
- Consorzio delle Residenze Reali Sabaude IT
- FUNDACION SANTA MARIA LA REAL DEL PATRIMONIO HISES
- POLITECNICO DI TORINO IT
- COMET GLOBAL INNOVATION, SL ES
- BUILDING DIGITAL TWIN ASSOCIATION BE
- TECHNOLOGIKO PANEPISTIMIO KYPROU CY
- OPEN GEOSPATIAL CONSORTIUM EUROPE BE
- West Highland Museum Trust UK
- Helmsdale Heritage and Arts Society UK
- STICHTING EUROPEANA NL
- CENTRO PER LA CONSERVAZIONE ED IL RESTAURO DEI BE IT
- HERITAGE MALTA MT
- STICHTING EUROPEAN MUSEUM ACADEMY NL
- EUROPEAN INNOVATION MARKETPLACE ASBL BE

FUNDING INSTRUMENT

HE - Global Challenges - CL2 Culture, creativity and inclusive society

BUDGET

Total funding: € 4.997.162,83

Funding allocated to DIATI: € 185.000

POLITO and DIATI's role:

Politecnico di Torino is a member of the consortium with DAD and DIATI departments; the coordinator of the research unit is Filiberto Chiabrando.

For DIATI, **Andrea Lingua**, **Francesca Matrone**, and **Chiara Colombero** are involved.