



HYPERION: The European digital conservator - It studies, makes assessments and proposes solutions to preserve cultural heritage



A new European project of particular significance for the preservation of Europe's tangible cultural heritage began its research activities at the beginning of June, funded by the European Union's Horizon 2020 research and innovation programme.

HYPERION is a technological project, but driven by the actual needs of its end users. It addresses policy makers, cultural institutions, municipalities, public authorities, responsible for the management and preservation of national and local tangible cultural heritage assets as well as policy makers, researchers, archaeologists, conservators and other professionals with a key role in conservation-restoration and in safeguarding cultural heritage.

HYPERION will also engage local communities and the citizens, mobilising them to identify potential hazards and raise awareness of issues relating to the preservation of regional and European cultural heritage.

HYPERION's main objective is to provide its end users with the appropriate tools to understand better the effects of climate change, ravages of time, intense geological

phenomena and accidental, extreme weather conditions on archaeological sites and cultural heritage monuments as well as to properly adapt their policies and activities towards deploying sustainable mitigation plans and providing efficient reconstruction of the cultural heritage parts that have been damaged.

More specifically, HYPERION is expected to use existing tools and innovative technologies (climate/extreme events models, decay models of building materials, Copernicus services, terrestrial and satellite imaging for wide area inspection, advanced machine learning, etc.) to deliver an integrated resilience assessment platform. Through use of the HYPERION platform, end users will be able to have a better understanding of the dangers and threats to tangible cultural heritage, make decisions for a swifter and more effective response, and contribute to the sustainable reorganization of the historical regions under threat.



The results of the project will be implemented in four flagship places: a) the medieval city of Rhodes, Greece b) Albayzín and Realejo in Granada, Spain, c) the Castrum Tunsbergis in Tønsberg, Norway, and d) Venice, Italy.

The project consortium has an interdisciplinary background, with 18 partners from eight different countries, including universities, research institutes, companies as well as various end-users such as cultural institutions and municipal authorities. The project's Coordinator is the Institute of Communications and Computer Systems of the National Technical University of Athens, Greece.

During HYPERION's kick-off meeting, held in Athens on June 4th and 5th, 2019, the project's future research activity was determined, for the platform to be activated in pilot mode during the next four years.

The project has a duration of 42 months (June 2019 – November 2022).

Project's facts

Duration:	42 months (June 2019 – November 2022)
Starting date:	June 1 st , 2019
EC Funding:	
Coordinator:	Institute of Communication & Computer Systems
Website:	www.hyperion-project.eu
Social Media Accounts:	<ul style="list-style-type: none"> ○ Twitter: @EuHyperion ○ Facebook: @HyperionEUProject ○ LinkedIn page: Hyperion Project
Partners:	<ul style="list-style-type: none"> ○ Institute of Communication & Computer Systems (ICCS) - Greece ○ Ilmatieteen Laitos/Finnish Meteorological Institute – Finland ○ Resilience Guard Gmbh – Switzerland ○ Oslomet -Storbyuniversitetet/Oslo Metropolitan University - Norway ○ National Technical University of Athens (NTUA) – Greece ○ RisaSicherheitsanalysen Gmbh Gmbh - Germany ○ UniversitaDegli Studi Di Padova /University of Padova - Italy ○ Universidad De Granada/University of Granada - Spain ○ Aristotle University of Thessaloniki – Greece ○ Cy.r.i.c – Cyprus Research And Innovation Center Ltd - Cyprus ○ Universita Iuav Di Venezia /Laboratory for the Analysis of Ancient Materials (LAMA) of the Iuav University of Venice - Italy ○ Vestfold Fylkeskommune/Vestfold County - Norway ○ Comune di Venezia (City of Venice) - Italy ○ Municipality of Rhodes - Greece ○ Dodecanese Ephorate of Antiquities - Greece ○ Ayuntamiento De Granada - Spain ○ Intercultural Euro-Mediterranean Center for Unesco - Greece ○ RED SpA - Italy

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