



# Hyperion

## *The Digital Cultural Heritage Conservator*

[HYPERION](#) is an EU research project which focuses on the development of a decision support system for improved resilience and sustainable reconstruction of historic areas to cope with climate change and extreme events, based on novel sensors and advanced modelling tools.

## Final - Training & Demo Event

Event Information	
Date:	20 of April 2023
Location	Palazzo Cavalli-Franchetti - Istituto Veneto di Scienze Lettere ed Arti - San Marco 2842 Venice

## AGENDA

Thursday 20 <sup>th</sup> of April 2023		
FINAL EVENT	09.00 - 09.30	Arrival & Registration
	09.30 - 10.00	Welcome Speeches
	10.00 - 10.10	HYPERION General Overview
	10.10 - 10.25	Reliable quantification of climatic, hydrological and atmospheric stressors – CFD simulations
	10.25 - 10.35	Reliable quantification of climatic, hydrological and atmospheric stressors – Meso-scale model
	10.35 - 11.00	Flood hazard modelling
	11.00 - 11.20	Coffee Break
	11.20 - 11.40	Analysis of building materials and deterioration processes
	11.40 - 12.00	Implementation of a Hygro-Thermal (HT) simulation tool
	12.00 - 12.20	Improved prediction of Structural and Geotechnical (SG) safety risk
	12:20 - 12.40	Environmental and material monitoring including state identification and damage diagnosis
	12.40 - 13.00	Q&A
	13.00 - 14.00	Lunch Break
TRAINING & DEMO EVENT	14.00 - 14.15	Design of a Holistic Resilience Assessment Platform (HRAP) and a Decision-Support-System (DSS), enabling communities' participation
	14.15 - 14.40	Financial Mitigation Tools
	14.40 - 15.00	Project Handbook presentation



	15.00 - 15.30	<b>On-site Integration, Demonstration and Validation of the HYPERION platform through case studies in Greece, Italy, Norway and Spain</b>
	15.30 - 17.00	<b>Demonstration &amp; Feedback Workshop at Venice's pilot site</b>

