D9.8 Information Packs for referenced and networked communication amplifiers

Deliverable number	D9.8
Deliverable title	**Information Packs for referenced and networked communication amplifiers**
Nature[1]	**R**
Dissemination Level [2]	**PU**
Author (email) Institution	**Christina Makrygianni (cmakrygianni@gmail.com)** **IEMC**
Editor (email) Institution	**Panayotis Yannakopoulos (pyannakopoulos@yahoo.co.uk) IEMC** **Irini Krimpa (Irini.krimpa@iccs.gr) ICCS**
Leading partner	**IEMC**
Participating partners	**All**
Official submission date:	**31 May 2023**
Actual submission date:	**31 May 2023**

[1] **R**=Document, report; **DEM**=Demonstrator, pilot, prototype; **DEC**=website, patent fillings, videos, etc.; **OTHER**=other

[2] **PU**=Public, **CO**=Confidential, only for members of the consortium (including the Commission Services), **CI**=Classified, as referred to in Commission Decision 2001/844/EC

Modifications Index	
Date	Version
21/4/2023	0.1 First draft by Christina Makrygianni (IEMC)
10/5/2023	0.2 Second draft by Panos Yanakopoulos (IEMC)
22/5/2023	0.3 Third draft by Irini Krimpa
25/05/2023	0.4 Forth draft by Christina Makrygianni (IEMC)
27/05/2023	0.5 Fifth draft by Christina Makrygianni (IEMC) and Panos Yanakopoulos (IEMC)
31/05/2023	0.6 Revisions by Irini Krimpa (ICCS)
02/06/2023	Final Document by Antonis Kalis

This work is a part of the HYPERION project. HYPERION has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 821054.
Content reflects only the authors' view and European Commission is not responsible for any use that may be made of the information it contains.

Acronyms and Abbreviations

AB	Advisory board
CA	Consortium Agreement
CC	Climate Change
CH	Cultural Heritage
CoP	Communities of Practices
CDP	Communication and Dissemination Plan
D&C	Dissemination and Communication
DoA	Description of Action
EC	European Commission
GA	Grant Agreement
GPL	General Public License
HRAP	Holistic Risk Assessment Platform
ICCS	Institute of Communications and Computer Systems
IEMC	Intercultural Euro-Mediterranean Center for UNESCO
M	Month
PC	Project Coordinator
PCT	Project Coordination Team
PET	Privacy Enhancing Technologies
PM	Project Manager
TBA	To be Arranged
QM	Quality Manager
QP	Quality Plan

RG	Resilience Guard GmbH
SG	Structural/Geotechnical (tool)
TELCO	Teleconference
WP	Work Package

Glossary of Terms

Activity (/ies)	Activities are the actions needed to convert inputs into outputs.
Consortium	is - in general - a group of institutions or companies acting together in the same project under common interest. In Horizon 2020 it refers to all the participants in the same project.
Coordinator	in Horizon 2020, is the member of the consortium who is the principal point of contact on behalf of the members of the consortium in relations with the Commission or the relevant funding body. The coordinator is identified as such in the Grant Agreement.
Dissemination (Horizon 2020)	means, in Horizon 2020, the public disclosure of the results by any appropriate means (other than resulting from protecting or exploiting the results), including by scientific publications via any medium.
Exploitation	means, in the context of Horizon 2020, the use of results in further research activities other than those covered by the action concerned, or in developing, creating and marketing a product or process, or in creating and providing a service, or in standardisation activities.
General Objective (=Overall Objective)	The long term, intended or unintended, impact (physical, financial, social, environmental or other benefits), to which the project is expected to contribute.
Grant Agreement	is a contract concluded between the European Union or a funding organisation and the beneficiary (or beneficiaries) that have been successfully evaluated in the proposal stage of Horizon 2020. Under this agreement, the beneficiary is awarded a grant and commits to a set of rights and obligations.
Horizon 2020	refers to the EU Framework Programme for Research and Innovation (2014-2020). It is the successor of the Seventh Framework Programme for Research and Technical Development (FP7), the Competitiveness and Innovation Framework Programme (CIP) and the European Institute of Innovation and Technology (EIT).
End user	Individual, group or organization that uses the project's outputs or outcome to reach higher level results. This would include, for example,

	farmers, service users, doctors, or in certain cases even members of society at large.
Indicator	A quantitative or qualitative variable that provides a simple and reliable means to measure achievement, or to capture results fully or partially generated by a project. Thus the indicator facilitates comparison of actual against planned performance of a project. An indicator should be SMART (specific, measurable, achievable, reliable and time-bound) so that it describes the planned or achieved result in terms of quality, quantity and timeliness.
Intellectual Property (IP)	refers to the creations of the mind, such as inventions; literary and artistic works; designs; and symbols, names and images used in commerce.
Intellectual Property Rights (IPRs)	are private legal rights that protect the creation of the human mind: inventions, literary and artistic works, and symbols, names, images, and designs used in commerce. They are commonly divided into two categories: Industrial Property Rights (e.g. patents, trade marks, industrial designs, geographical indications) and Copyright and Related rights (e.g. rights of the authors/creators and those of performing artists in their performances, producers of phonograms in their recordings, and those of broadcasters in their radio and television programmes).
Know-how	means a package of non-patented practical information (of a technical, commercial, administrative, financial or other nature), resulting from experience and testing, which is secret, substantial and identifiable.
Objective (generic term):	An end that can be reasonably achieved within an expected timeframe and with available resources. Related terms: overall objective, outcome, and outputs.
Open access	within the context of EU-funded projects, refers to the practice of providing on-line access to scientific information that is free of charge to the end-user and is reusable. In the context of research and innovation, scientific information can refer to (i) peer-reviewed scientific research articles (published in scholarly journals) or (ii) research data (data underlying publications, curated data and/or raw data).
Stakeholder	An agency, organization, group or individual that has a direct or indirect [positive or negative] interest in the project. This may also include entities that may be affected by, or affect the project.
Target Group	The specific individuals or organizations for whose benefit the project is undertaken

Table of Contents

List of Figures

List of Tables

Executive Summary

The objective of Work Package 9 was to "Create and enhance project visibility and its most important outputs to pave the way for wide-spread acceptance and implementation of the results, while respecting security/confidentiality matters with regard to sensitive project outcomes" (HYPERION DoA p61) and achieve a high level of impact for the project and its results.

The scope of this document is to report the work performed in HYPERION for Task 9.4, titled: "*Ongoing and special dissemination efforts"*, during M1-M48 of the project. This task was focused on regular and special dissemination activities of HYPERION outcomes, as they have become available throughout the project. Activities under this task are explained in more detail on the following pages of this document, for all possible and appropriate channels and means.

And builds on deliverables:

- D9.4 Information packs for referenced and networked communication amplifiers (v1) available at https://www.hyperion-project.eu/wp-content/uploads/2022/09/D9.4-HYPERION-Information-packs-for-referenced-and-networked-communication-amplifiers-v1.0.pdf;
- D9.3 Dissemination and Communication Plan (v1) available at https://www.hyperion-project.eu/wp-content/uploads/2022/09/Deliverable-9.3_final-1.pdf;
- D9.7 Dissemination and Communication Plan (v2)

The purpose of the info pack in deliverable 9.8 and its main contribution is to develop an assets and collateral pack with downloadable content from the project shared workspace Redmine https://redmine.iccs.gr where every program member, totally fifty, has access with his personal login and password. The info pack works in tandem with the Dissemination and Communications plan which provides messages and referenced networks of HYPERION partners.

This document displays communication collateral offered in the info pack and messaging designed by IEMC (WP9 leader and the leader of Tasks 9.1-9.4.) and some indicative adaptations of partners that were done during HYPERION's lifetime.

The outline communication programme is offered to consortium partners so that they can communicate HYPERION messages to target audiences defined in deliverable 9.3. For information on progress of KPIs and dissemination plan and report, refer to deliverable 9.7.

1 Introduction

1.1 Background

The scope of this deliverable is to present the impact of the adopted strategies and work plan for the dissemination and communication activities of HYPERION project, and, in corresponding, to demonstrate how the main marketing methods and material tools (communication means) affected any efforts to amplify the communication between involved parties.

The main goals of the task were:

1. To identify the main target audiences and optimal communication strategies;
2. To measure the overall dissemination strategy of the project, given quantitative criteria;
3. To establish a consistent and high-quality project theme/brand which will constitute a powerful trend about the project and develop dynamic, personalized and content rich material (leaflet, poster, other dissemination material) in order to continuously promote and further enhance the dissemination activities;

The document provides samples for graphics and communication collateral in HYPERION. The project website contains a folder of sample templates and media kit https://www.hyperion-project.eu/media-kit/. The files were also available to the consortium partners on the HYPERION shared workspace, Redmine, as soon as they were produced. Partners were able to download the templates and adapt them for their use to communicate the project to relevant Stakeholders.

1.2 Intended Readership

This Deliverable is “Public”, thus accessible to anyone interested.

It is primarily written for the European Commission (EC) Project Officer (PO) and the consortium members of the HYPERION Project in order to inform them about the HYPERION’s communication and dissemination materials and channels results as well as the implemented activities.

The document presents the suite of graphics and first-class communications collateral that has been developed within HYPERION. The information pack of collateral includes the project’s leaflets, posters, roll-up banners, newsletters & online content for social and digital channels. the document aims to present the info pack developed and help the Consortium better review the communication activities and how these impacted to the project’s awareness efficiently and effectively.

Nevertheless, special effort and attention has been given in making this report as a stand-alone document and comprehensible for the general public.

2 Contents of the Information pack – Assets and Collateral

The sample shown here contains communication collateral (tangible things that can be held, touched and passed physically from one person to another) and digital communication.

2.1 Collateral Communication

2.1.1 HYPERION logo & fonts

Content: Logo and mark in colour or black & white; Fonts in Futura (http://freakfonts.com/advanced-search/futura-fonts.html) - could be replaced by the following MS Office default font families: Calibri, Corbel, Gill Sans. Function: Brand identity URL link to file: https://redmine.iccs.gr/projects/hyperion/dmsf?folder_id=6755

The logo design was inspired by the key thematic areas of the project.

FIGURE 1: PROJECT'S LOGO

Primarily the logo was used on a white background in its positive format for maximum impact and clarity. This primary format was used in every occasion except from the cases it was not feasible. In those cases, more versions were available for usage (e.g. Negative/Colour, BW/Grayscale Formats and Negative BW/Grayscale Formats).

Colour definitions (colour systems Pantone and CMYK are used in print processing; RGB and HTML are used for displaying on a screen).

FIGURE 2: COLOUR PALETTE

All visual identity elements are available online at the internal communication platform.

Brand Typography

The typeface is Futura. This typeface has been carefully selected to give prominence to the brand image, and must be always used to retain consistency - especially within the logo. Replacing fonts with alternatives should not be done under any circumstances. It is strongly recommended for consistency reasons to use this typeface for any type of HYPERION promotional material and in web media and applications.

http://freakfonts.com/advanced-search/futura-fonts.html

For more information about Project's Logo and Fonts please review the Brand Identity Guidelines.

2.1.2 PowerPoint presentation template

A presentation template was created in the early stages of the project, either for complete project presentation or for presentation of results, further contributing to the identity forming and making the project recognizable. The presentation template is available at the Redmine collaboration platform.

Content: PowerPoint template
Function: Template from which partners may choose slides to add to their presentations
Link: https://redmine.iccs.gr/projects/hyperion/dmsf?folder_id=6759

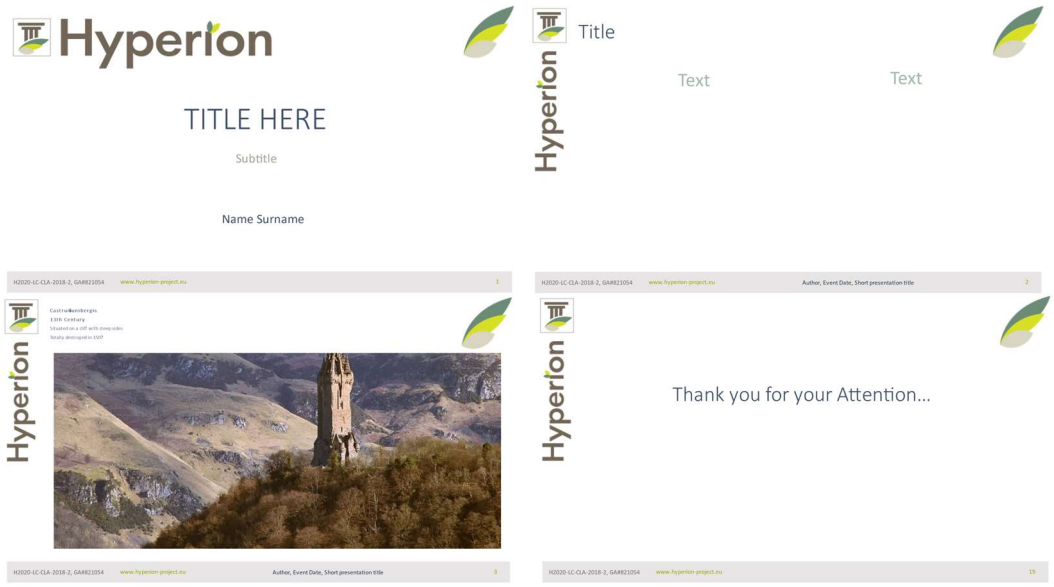


FIGURE 3: HYPERION PRESENTATION'S TEMPLATE

2.1.3 HYPERION's Official Presentation

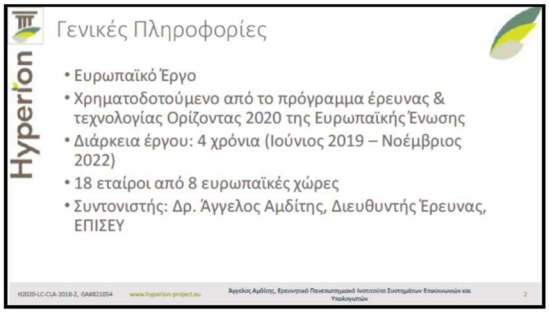
An official presentation for HYPERION was created in the early stages of the project to facilitate partners in communicating HYPERION's vision, objectives, pilot sites, tools and expected impact at events, seminars and webinars ensuring a consistent project communication across audiences and countries.

The Official presentation was also translated to Greek to facilitate local communication needs. Both presentations were available to the partners through the Redmine collaboration platform.

Content: PowerPoint Project Presentation. Function: Use at events, seminars, webinars to give a general overview of HYPERION's vision, objectives, pilot sites, solutions and impact. Link: https://redmine.iccs.gr/projects/hyperion/dmsf?folder_id=8968

FIGURE 4: HYPERION'S PROJECT PRESENTATION (EN)

1



2

5

6

FIGURE 5: HYPERION'S PROJECT PRESENTATION (EL)

2.1.4 Leaflets

Content: Provide information about the challenges in the current situation of improved Resilience and Sustainable Reconstruction of historic areas, Climate Change an HYPERION's aims and results. The leaflet was translated into four languages (Italian, Spanish, Portuguese & German) to facilitate dissemination of the project to local European Conferences & Events. Function: Share HYPERION's vision, tools, test sites and impact. Website URL link: https://www.hyperion-project.eu/media-kit/

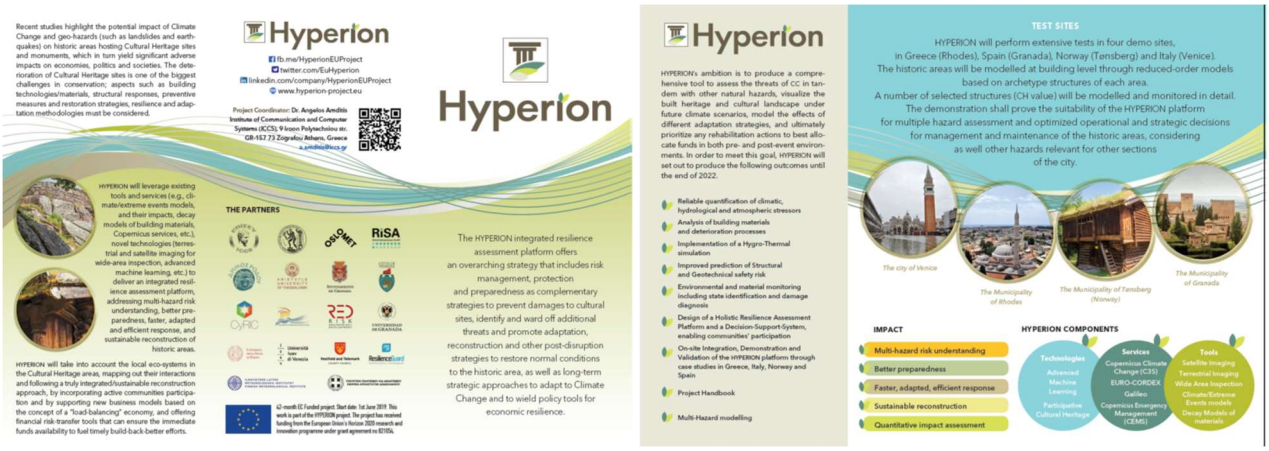


FIGURE 6: HYPERION LEAFLET (EN)

The leaflet was translated in German, Italian, Portuguese and Spanish and can be found in the website of HYPERION project.

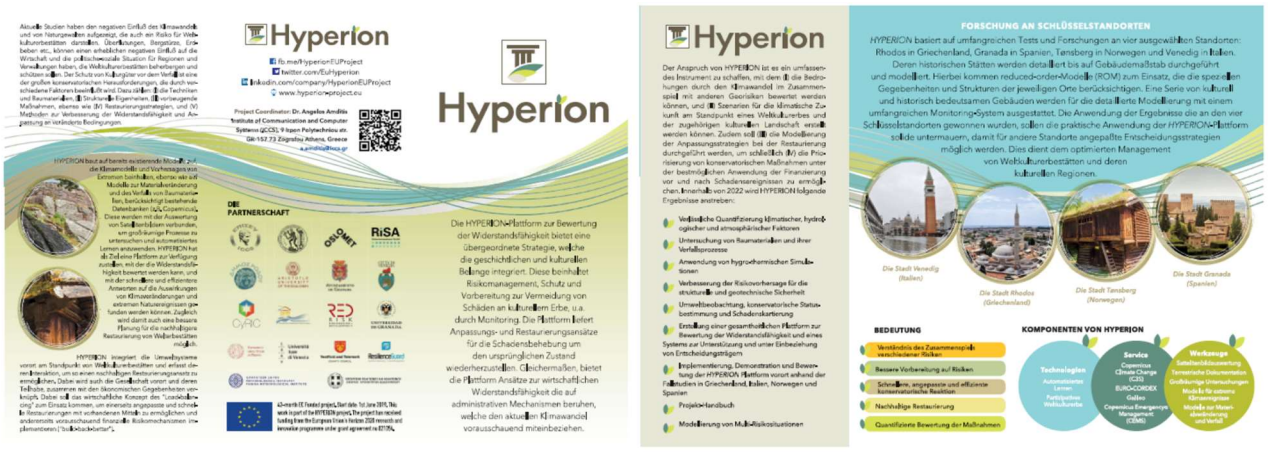


FIGURE 7: HYPERION LEAFLET (DE)

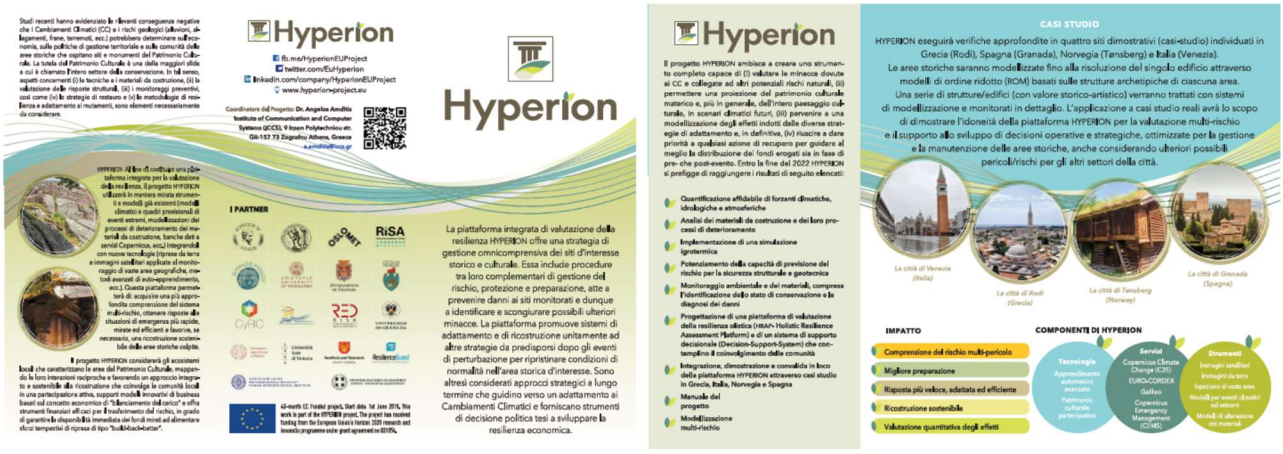


FIGURE 8: HYPERION LEAFLET (IT)

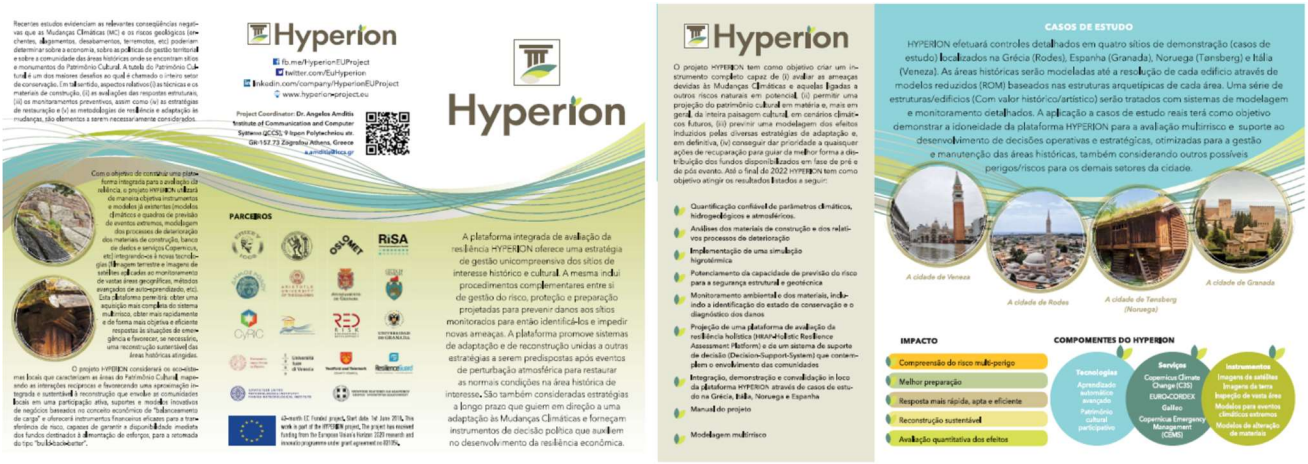


FIGURE 9: HYPERION LEAFLET (PT)

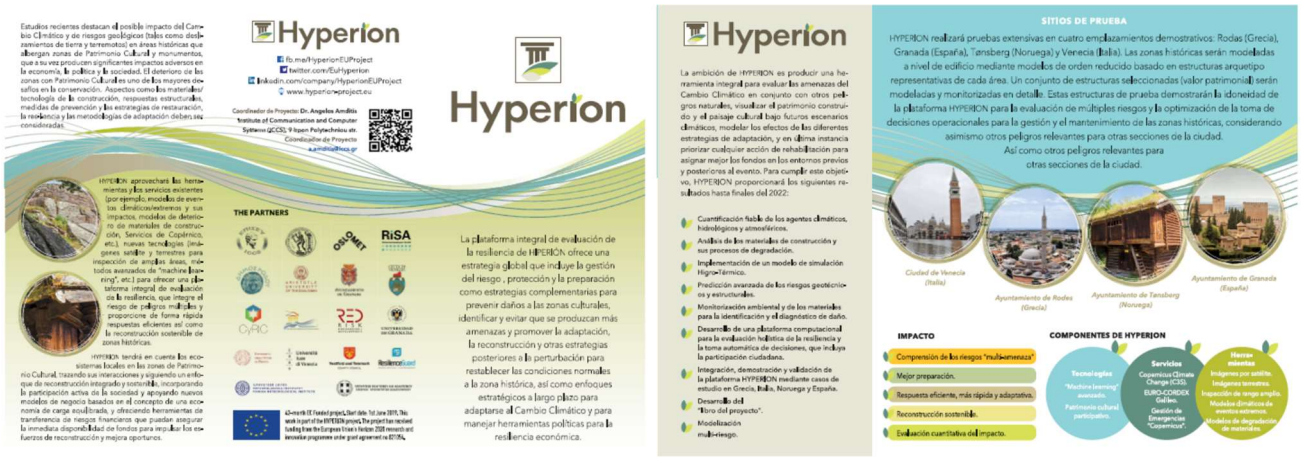


FIGURE 10: HYPERION LEAFLET (ES)

2.1.5 Posters

HYPERION's General Poster was initially created to display the project's visual identity and provide a particularly practical tool with which to promote HYPERION and deliver its assets, drawing the attention of the audiences during the different events. The General Poster was translated into four languages (Italian, Spanish, Portuguese & German) to facilitate dissemination of the project to local European Conferences & Events.

During the course of the project, two more posters were created by UNIPD and NTUA to facilitate more specific dissemination needs.

Content: Breakthroughs of HYPERION project.
Function: Engage audiences with HYPERION's research and innovation at conferences and meetings and inform the general public.
Website URL link: https://www.hyperion-project.eu/media-kit/

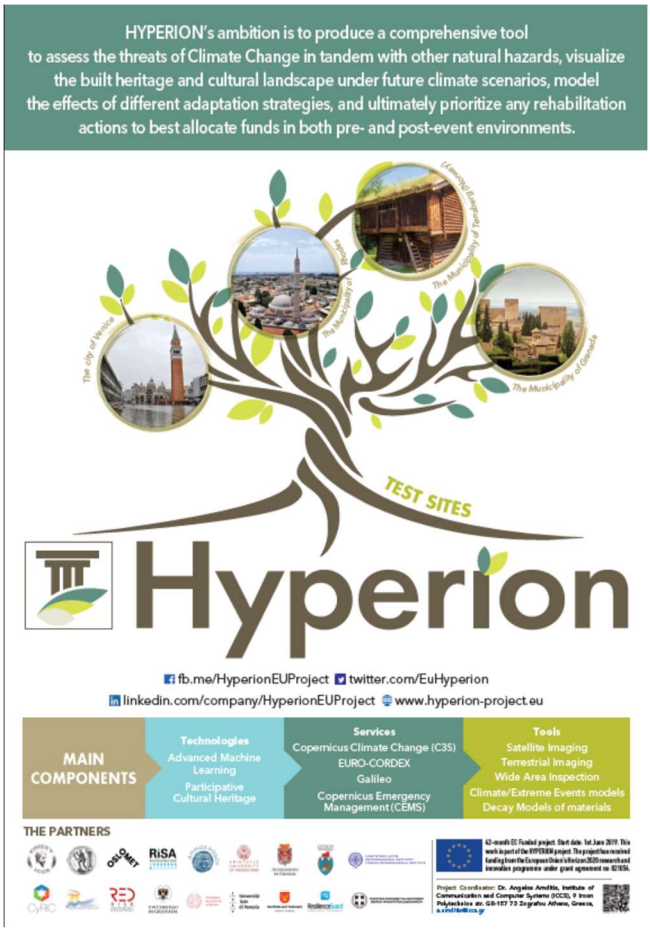


FIGURE 11: PROJECT'S GENERAL POSTER

FIGURE 12: HYPERION'S ITALIAN POSTER ON VENICE'S PILOT SITE

FIGURE 13: HYPERION POSTER CREATED BY NTUA

Four Physical Banners, to communicate HYPERION's community engagement application tool in the pilot sites were also created. The Banners were placed in all pilot sites (Rhodes, Venice, Granada and Tonsberg) in order to inform visitors about the test research activities and engage them to download HYPERION's application.

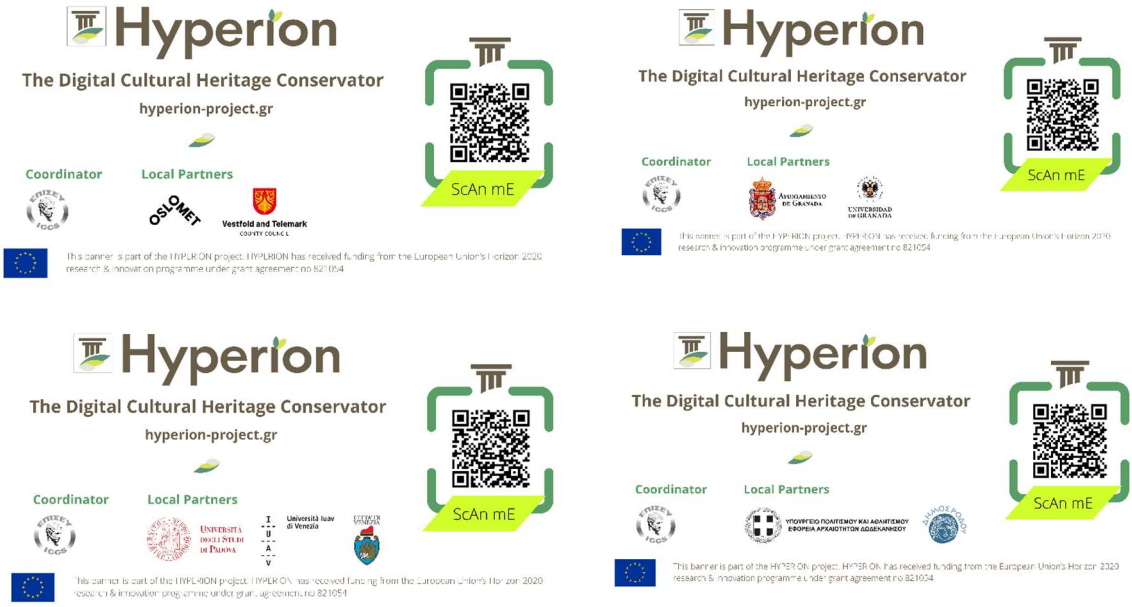


FIGURE 14: HYPERION'S PHYSICAL BANNERS PLACED ON THE FOUR PILOT SITE

2.1.6 Roll-up Banner

Content: HYPERION information on the impacts and strong visual identity to reinforce the brand. Function: A transportable device that helps to increase the presence and identity of the brand and product in a bold and striking way. Link: https://www.hyperion-project.eu/wp-content/uploads/2020/11/HYPERION-rollup-banner-PRESS-compressed.pdf

FIGURE 15: HYPERION'S ROLL-UP BANNER

* The updated banner is presented in Fig. 15. The modifications that are included, were necessary after Dr. Antonis Kalis replaced Nikos Frangakis, and the county of "Vestfold" changed its logo, the coat of arms and its name after the unification of the two former counties of Telemark and Vestfold (since the 1st of January 2020 renamed as "Vestfold and Telemark").

2.1.7 Videos

During HYPERION's course, several project related videos were created, to communicate the HYPERION's vision, objectives and results.

The videos are accessible from HYPERION's website and uploaded in YouTube channel. Specifically, 3 main videos were produced (1 animated, 1 Pilot Sites video extended version, 1 Pilot Sites short version) and are available on HYPERION's YouTube channel, here. In addition, the following 4 videos were also produced by partners and other entities:

- European organization Eurisy produced a video for the pilot site of Rhodes (Fig.20,21) https://www.youtube.com/watch?v=YoGkSm9wnxg;
- UNIPD produced a video on the pilot site of Venice (the Clocktower) demonstrating the installation of sensors and explaining the research activities implemented in the site (Fig 19) https://youtu.be/SvX5o1va5UI;
- During the Horizon Booster progamme one more video was created along with the sister projects ARCH & SHELTER communicating the EU Task Force objectives and emphasising on Climate Change's effect on tangible Cultural Heritage https://youtu.be/TXy01f9Zt_U;
- Last but not least, during HYPERION's Final Event a video with selected interviews was produced by the City of Venice https://youtu.be/0pv5RweqFME;

The produced videos were shared through HYPERION's Social media channels and are also available on HYPERION's website, here.

Content: HYPERION information on the vision, impacts, research developments and strong visual identity to reinforce the brand.

Function: Engage and create awareness about HYPERION and disseminate results.

Link: https://redmine.iccs.gr, https://www.hyperion-project.eu/videos/, https://www.youtube.com/@hyperioneuproject1490, https://www.youtube.com/watch?v=QQ6HZRujYLI&ab_channel=HyperionEUproject, https://www.youtube.com/watch?v=JTetpOtQ1nY&t=10s&ab_channel=HyperionEUproject

FIGURE 16: HYPERION'S ANIMATED VIDEO HTTPS://WWW.YOUTUBE.COM/@HYPERIONEUPROJECT1490

FIGURE 17: HYPERION EU PROJECT - PILOT SITES VIDEO HTTPS://WWW.YOUTUBE.COM/WATCH?V=QQ6HZRUJYLI&AB_CHANNEL=HYPERIONEUPROJECT

FIGURE 18: SCREENSHOT FROM EU TASK FORCE VIDEO
HTTPS://WWW.YOUTUBE.COM/WATCH?V=TXY01F9ZT_U&T=5S

FIGURE 19: SCREENSHOT FROM THE UNIPD'S VIDEO ON THE PILOT SITE OF VENICE

Eurisy's video which was produced on February 2022 showcasing how HYPERION is using Copernicus data to safeguard Cultural Heritage in Rhodes Island was selected as one of the three finalist films under the "Community" category at the UNESCO Earth Futures Festival 2022.

FIGURE 20: SCREENSHOT FROM THE VIDEO BY EURISY EUROPEAN ASSOCIATION

2.1.8 Newsletter

Content: Provide information about the implementation of the project.
Function: Share HYPERION's vision, tools, test sites and impact.
Website URL link: https://www.hyperion-project.eu/newsletter/

HYPERION has published **7 newsletters**[3] in total in order to raise awareness on its activities and communicate its outcomes and learnings. HYPERION's newsletters were disseminated via project's website, social media and direct mailing to a dedicated list of recipients whom were subscribed through various sections on the project's website.

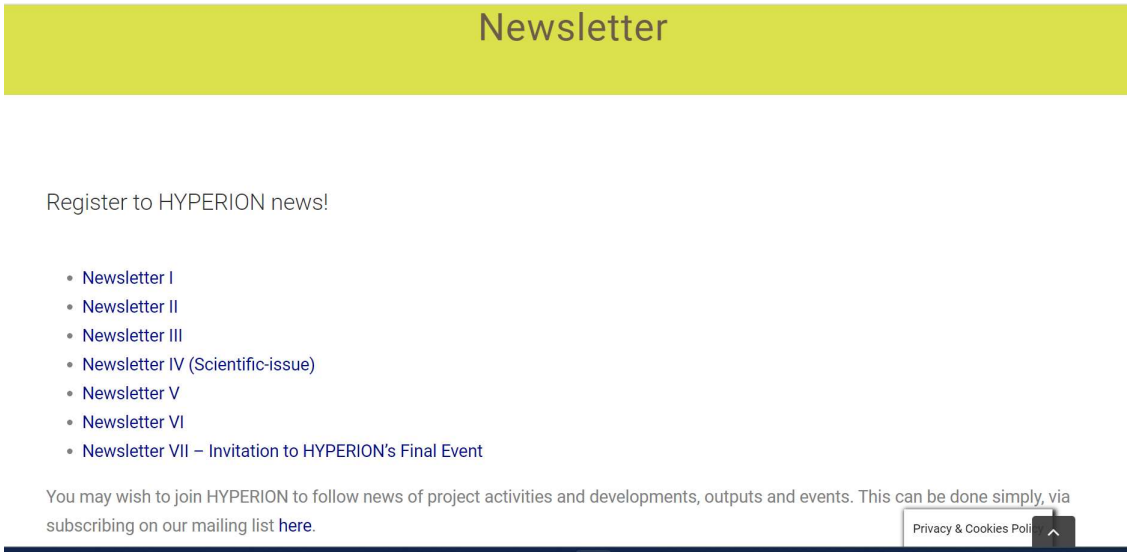


FIGURE 21: NEWSLETTER AS APPEARING[4] IN THE HYPERION WEBSITE

[3] It was published an extra short Newsletter before the Final Event to raise awareness and invite the stakeholders in the Event.

[4] The present screenshot was taken before the final publication of the last Newsletter

View this email in your browser

Hyperion

Join HYPERION's Final Event!

Hyperion

Thursday
April 20 2023
9.00 - 17.00 CET

FINAL TRAINING & DEMO EVENT

Palazzo Cavalli-Franchetti
Istituto Veneto di Scienze Lettere ed Arti
Venice, Italy

After more than four years full of research, the journey of the EU project HYPERION comes to an end with remarkable achievements in **Cultural Heritage preservation**! The project's consortium is very pleased to organize its **Final - Training & Demo Event** on the **20th of April 2023** from **9:00 am to 5:00 pm** at the Palazzo Cavalli Franchetti | Instituto Veneto di Scienze Lettere ed Arti in Venice, Italy.

Register here

The HYPERION Final Event, dealing with Cultural Heritage resilience against Climate Change is organized by the City of Venice, the Iuav University of Venice, the University of Padova in collaboration with HYPERION's Coordinator ISENSE Group of the Institute of Communication and Computer Systems (ICCS) of the National Technical University of Athens.

At this key event, a series of **interactive presentations and demonstrations** will showcase how HYPERION has developed an integrated resilience assessment

FIGURE 22: AN EXAMPLE OF HYPERION'S NEWSLETTER

HYPERION's newsletters were received by 123 subscribers while the latest issue gathered 59.3% opening rate and 12.1% clicks.

2.1.9 Press

Newspapers

Newspaper "Dimokratiki"

Under the title **"Innovative technologies to protect the world's cultural heritage: the award-winning Hyperion project in the medieval city of Rhodes"** the local newspaper "Dimokratiki" (Rhodes) presented the HYPERION project goals on 30/05/2022. The article is also available online here.

An extract from the newspaper publication follows: *"High temperatures, extreme weather events and the effects of climate change in general are today some of the greatest dangers for monuments of historical importance and cultural heritage around the world. Digital technology here too has the answers, and the effort to protect monuments and archaeological sites, is of course of an international nature. Greece is also taking part in one of the most ambitious European initiatives for the protection of historical and cultural monuments from geoclimatic hazards."*

"……The medieval city of Rhodes was founded in 408 B.C. and today is a UNESCO World Heritage Site whose conservation is considered of paramount importance. Specialised sensors have recently been installed there to collect data on the multiple threats facing the monuments, such as risks from potential earthquakes, floods, storms, fires, strong winds, precipitation, heat waves, etc. More specifically, tests take place on some of the oldest monuments of the island, such as the Lighthouse of the Fortress of Agios Nikolaos, the Tower of Naillac, the tombs of the Ptolemies and the Corinthians and one of the oldest and most important bridges in Greece, the Hellenistic bridge of Rhodes. This bridge - despite its daily use - has been preserved for 2,200 years. Today, however, its integrity is at significant risk due to climate change and the intense unexpected weather phenomena that often threaten the island of Rhodes".

Newspaper "Kathimerini" (circulating throughout Greece)

Kathimerini, on April 7th, 2022, in both printed and online editions presented HYPERION project under the title **"Technology fortifies the monuments"**, pointing out the ambitious European initiative, coordinated by Greece, for early warning of geoclimatic risks. "Kathimerini" is a political and economic newspaper published in Piraeus and circulated throughout Greece and abroad (in Greek and English).

An extract from the newspaper report by Reporter Tasoula Karaiskaki follows:

"Technology is trying to put a stop to the destruction of antiquities and monuments by heat waves, strong winds and torrential rains, violent storms, subsidence, precipitation, soil erosion, earthquakes, volcanic eruptions, floods and fires. With early warning devices for large local earthquakes and tsunamis, automatic micro-displacement stations, accelerometers, satellites, weather stations, pollution detection sensors and drones, data is collected and analysed to gain an in-depth understanding of the risks to cultural heritage, but also to build scenarios for man-made and natural disasters, as well as plans to deal with what was once unpredictable. All of the above is carried out through the Hyperion project……..."

The article is also available online in the following link: https://www.kathimerini.gr/society/561795622/i-technologia-ochyronei-ta-mnimeia%20/.

Newspaper "Eleftheros Typos" (circulating throughout Greece)

On May 15th, 2022, the newspaper "Eleftheros Typos" under the title: "Shield in the Medieval city of Rhodes" presented the HYPERION project stating that "The innovative technology forecasts the condition of the monuments in the coming decades and calculates the cost of restoration, fortifying the cultural heritage of the island of Rhodes". (Reporter: Elpida Oikonomidi)


«ΑΣΠΙΔΑ» στη μεσαιωνική πόλη της Ρόδου

Η πρωτοποριακή τεχνολογία κάνει «πρόγνωση» της κατάστασης των μνημείων τις επόμενες δεκαετίες και υπολογίζει το κόστος αποκατάστασης

Το ευρωπαϊκό έργο HYPERION σχεδιάζει την πολιτιστική κληρονομιά του νησιού

ΕΛΠΙΔΑ ΟΙΚΟΝΟΜΙΔΗ

ΟΙ ΑΛΛΕΣ ΤΡΕΙΣ ΠΕΡΙΟΧΕΣ

FIGURE 23: PICTURE FROM "ELEFTHEROS TYPOS" NEWSPAPER

Online Newspapers

"Epixeiro"

The award-winning HYPERION project in the medieval city of Rhodes was presented in the online edition of the newspaper "Epixeiro", a weekly economic newspaper. (In Greek) (date of publication 04/04/2022). One can access the press clipping in the following link https://www.epixeiro.gr/article/339468.

FIGURE 24: SCREENSHOT FROM "EPIXEIRO"

INEWS.GR

On April 4th, 2022 the online portal "inewsgr.com" presented the HYPERION project and its research activities (Figure below).

FIGURE 25: SCREENSHOT FROM INEWS.GR

TV

NRK TV (Norway)

On December 2022, NRK TV, the Norwegian Public Broadcaster presented a tribute to HYPERION project, showcasing the research work implemented in the city of Tonsberg.

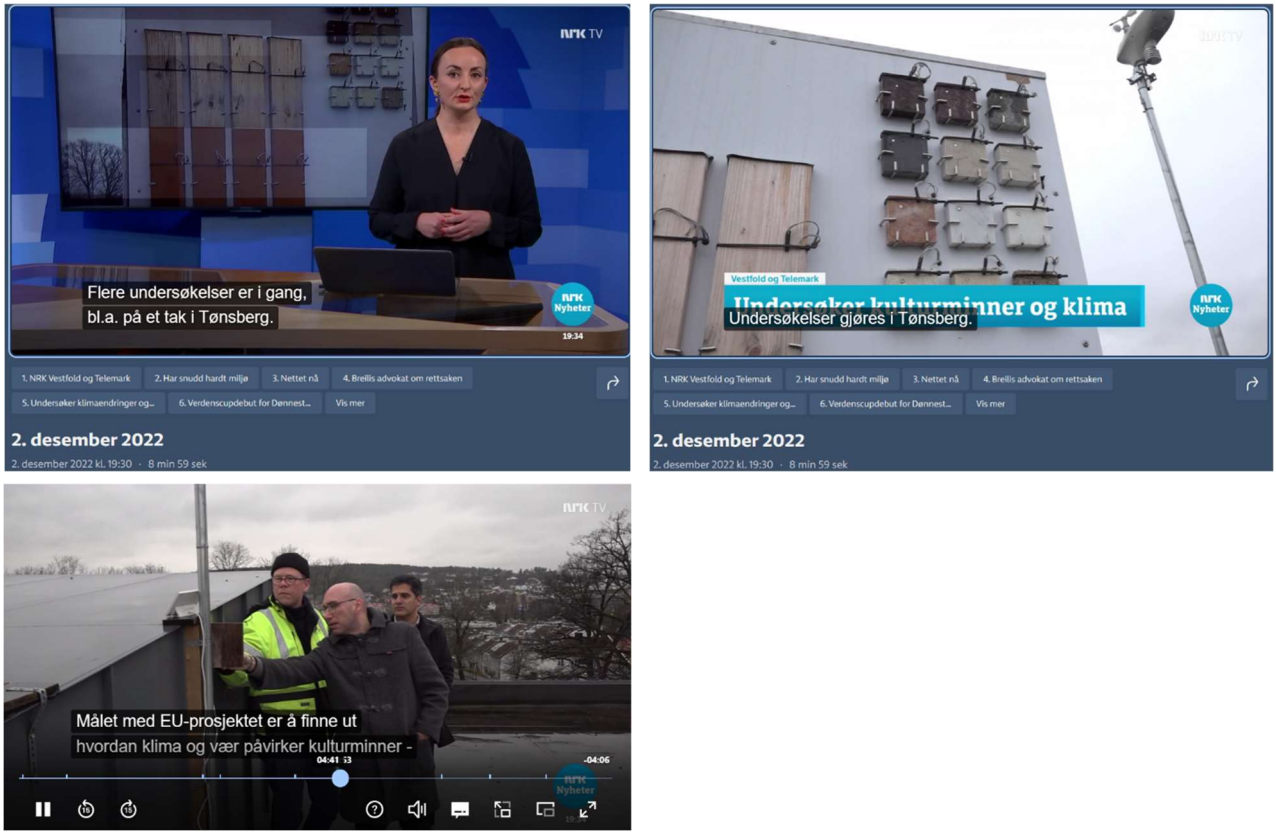


FIGURE 26: SCREENSHOTS FROM THE TV PRESENTATION IN NORWAY

The TV-feature is available in the following link: https://tv.nrk.no/serie/distriktsnyheter-fra-vestfold-og-telemark/202212/DKVT98120222/avspiller (choose feature no. 5 in the menu under the main picture).

RADIO

HYPERION in The Voice of Greece (Greek)

The HYPERION's project vision and goals were presented by the project Coordinator Dr. A. Amditis, during the Greek Radio Broadcasting (ERT world) "The Voice of Greece", which was also broadcasted on the web. On October 22nd 2020, the host, Athanasios Choupis Journalist of ERT (Greek Radio &

Television), invited Dr. Amditis to discuss about the current research and innovative projects of ICCS. Via this broadcast Dr. Amditis had the opportunity to address to Greeks, all over the world. The audience had the opportunity to learn about HYPERION's vision and current activities. The Journalist assisted in spreading out information about the HYPERION project and to the better knowledge of it clarifying most of the goals of the project. The broadcast is available online (In Greek) in the following link https://www.youtube.com/watch?v=1KGWCMA-RLg.

NRK Radio (Norwegian)

Two Radio interviews at NRK Radio , were organised by the Vestfold og Telemark fylkeskommune regarding HYPERION project. Links to the two radio features: (https://radio.nrk.no/serie/distriktsprogram-vestfold/sesong/202211/DKVE01023122#t=1h6m0s) and https://tv.nrk.no/se?v=NNFA05112922&t=4206s (29.11.2022, from 1:10).

FIGURE 27: SCREENSHOTS FROM THE RADIO PRESENTATION IN NORWAY

SKAI.fm RADIO (Greek)

On the 11th of April 2023, HYPERION's results were presented at Skai Radio by Dr. Angelos Amditis, HYPERION's Coordinator from I-SENSE Group of ICCS.

During the interview, Dr. Amditis made an extensive reference to HYPERION's mobile application, developed by the I-SENSE Group of ICCS which allows citizens to get actively involved in protecting and preserving Cultural Heritage monuments by posting photos/videos of potential damages, notifying the authorities for potential dangers. The interview is available online in the following link: https://go.iccs.gr/e6dsuu (00:23:15 – 00:32:31).

OTHER PRESS CLIPPINGS

Apart from the aforementioned videos, many press clippings were produced for the dissemination of research results. A List of all press releases can be found in D.9.7 and in Annex 1. In figures 29 and 30 you can review two press clippings from the local press.

Granada Hoy GRANADA

CIENCIA

La Universidad de Granada mide el impacto del cambio climático en los monumentos más emblemáticos del mundo

* 'Hyperion' emplea herramientas y tecnologías como modelos climáticos extremos para ofrecer al usuario una mejor comprensión de los peligros del cambio climático

La **Universidad de Granada** (UGR) **utiliza herramientas tecnológicas** para comprender y **medir el impacto del cambio climático** sobre los **edificios monumentales** y su entorno a través de un proyecto europeo que toma datos en espacios emblemáticos de **Rodas (Grecia), Venecia (Italia) y el Albaicín**.

Lo hace con el 'Proyecto Hyperion', una iniciativa que proporciona las herramientas adecuadas para **comprender mejor el impacto esperable** que el cambio climático puede producir en el patrimonio.

FIGURE 28: PRESS CLIPPING IN SPANISH MEDIA

Heritage Research Hub

Heritage Research Community JPI CH ARCHE Heritage Projects What's On Resources

Europe's Major Tourist Sites Battle Climate Change to Survive

Home > News > Europe's Major Tourist Sites Battle Climate Change to Survive

15 July 2022, By Alex Whiting from HORIZON, the The EU Research & Innovation Magazine

Climate change is destroying heritage sites across Europe and globally. Ancient historical landmarks could disappear completely unless swift action is taken to protect them from environmental damage, researchers are warning.

Future generations may never get to explore streets conquered by medieval knights in Greece, city quarters built by the Islamic empire in Spain, 10th century cliff-top castles in Slovakia and many other historical wonders in Europe. Floods and rising temperatures are already damaging ancient buildings, said Dr Angelos Amditis, project coordinator of a project called HYPERION which is helping major sites in Greece, Italy, Spain and Norway, adapt to the impacts of climate change.

'If we don't act fast, if we don't allocate the right resources and knowledge, and ... create a common alliance to address the climate change issues, we will pay very dearly,' he said. 'We may (completely) lose well-known landmarks in Europe and globally ... our children may not have a chance to see them except on video,' said Dr Amditis, who is director of Research and Development in the Athens-based Institute of Communication and Computer Systems (ICCS).

FIGURE 29: PRESS CLIPPING IN HERITAGE RESEARCH HUB

2.2 Digital Communication

2.2.1 Website

On M5, the official website of HYPERION project was launched and since then it was continuously updated and enriched, with HYPERION latest news, events, publications and required modifications. The HYPERION website became an important factor for the HYPERION dissemination and communication plan. The structure (sitemap) of the website was designed to provide visitors immediate access to all public information of the project. For the visitors' convenience, almost all, subpages of the website are accessible by the main page with respective quick links. Moreover, links to the social media accounts (LinkedIn, Twitter, Instagram, Facebook and YouTube), amplifying the branding of the project, were also available on the main page of the website. HYPERION's website can be accessed in the following link: https://www.hyperion-project.eu/.

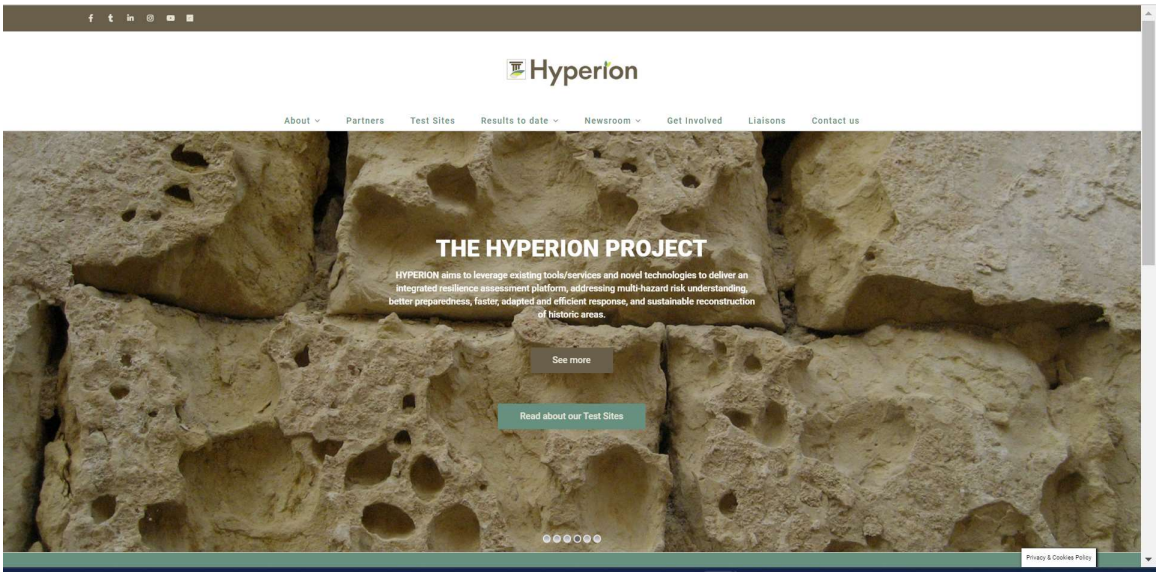


FIGURE 30: HYPERION WEBSITE (HOME PAGE)

The "Home" page of the website is presented in the above figure while the current structure of the website is presented in Figure 30.

HYPERION's website is divided in eight main categories, as listed below:

1. About;
2. Partners;
3. Test Sites;
4. Results to date;
5. Newsroom;
6. Get Involved;
7. Liaisons;
8. Contact us;

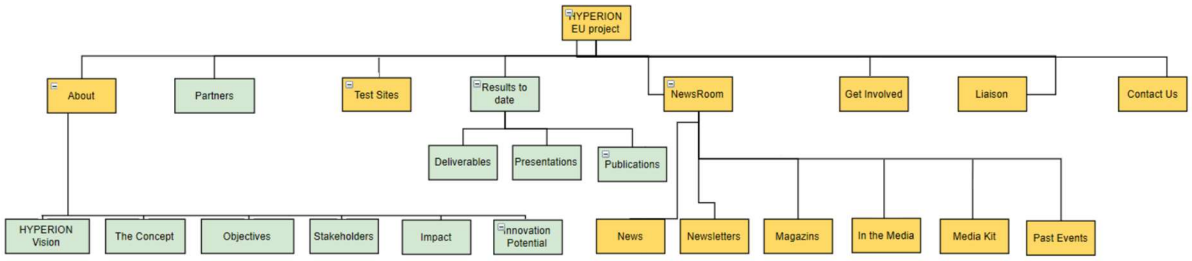


FIGURE 31: WEBSITE SITEMAP STRUCTURE

Website accessing information

Since June 2019, HYPERION's website has developed and now comprises of 36 pages. It has received 29,550 unique pageviews, and attracted 55,546 visitors. Overall, the trend in the number of pageviews has grown continuously during the project's implementation. The most traffic on the website happened the last year while there were noticed also three peaks during the second year of the project that had to do with events that happened in projects lifetime (e.g. in September 2021 HYPERION participated in many events (4th International Conference on Structural Integrity; 17th World Conference on Earthquake Engineering; 31st European Safety and Reliability Conference; 17th World Conference on Earthquake Engineering, 17WCEE); which seems that had affected the visits of HYPERION website. The chart below represents the pageviews for the duration of website visits in selected peaks.

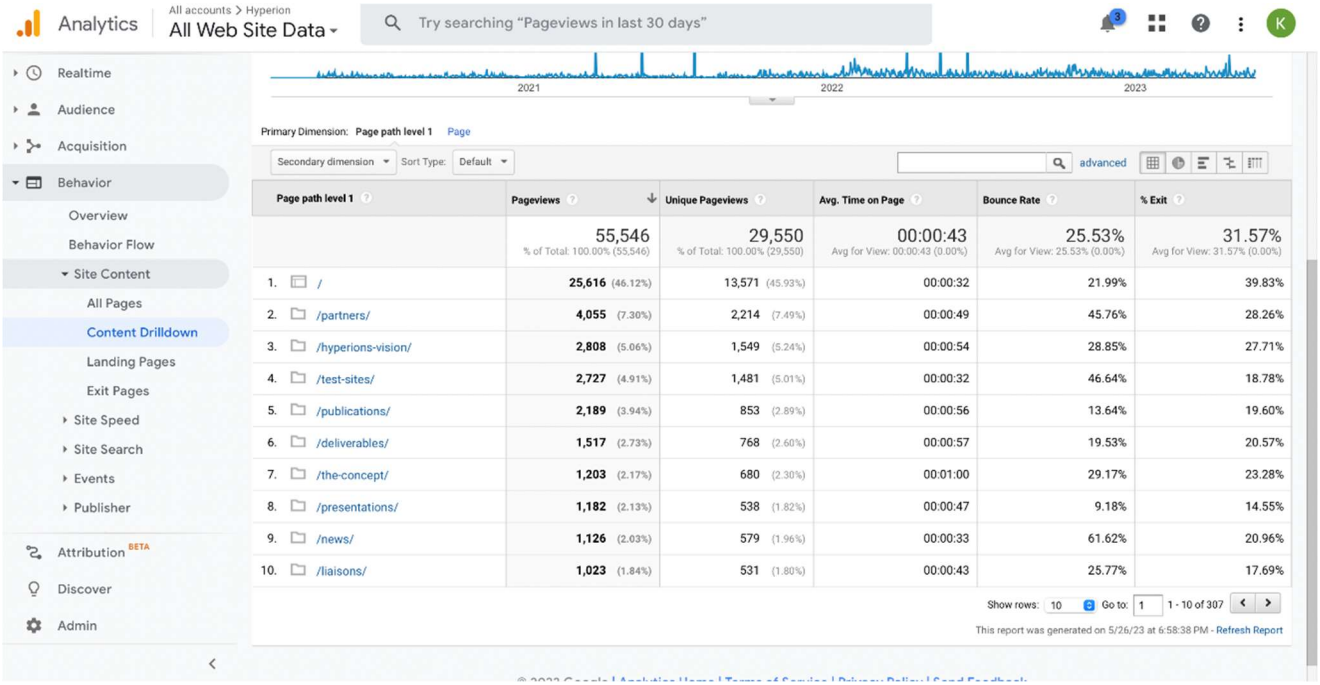


FIGURE 32: WEBSITE ANALYTICS

Visitors to the website have been found to come from Greece, Italy, Norway, Spain, France, US, UK, Austria, Germany and Cyprus; the majority of whom have come from Greece. It is worth to note the project's visibility and dissemination to non-project member countries, i.e. the United States, the United Kingdom, France and the Netherlands.

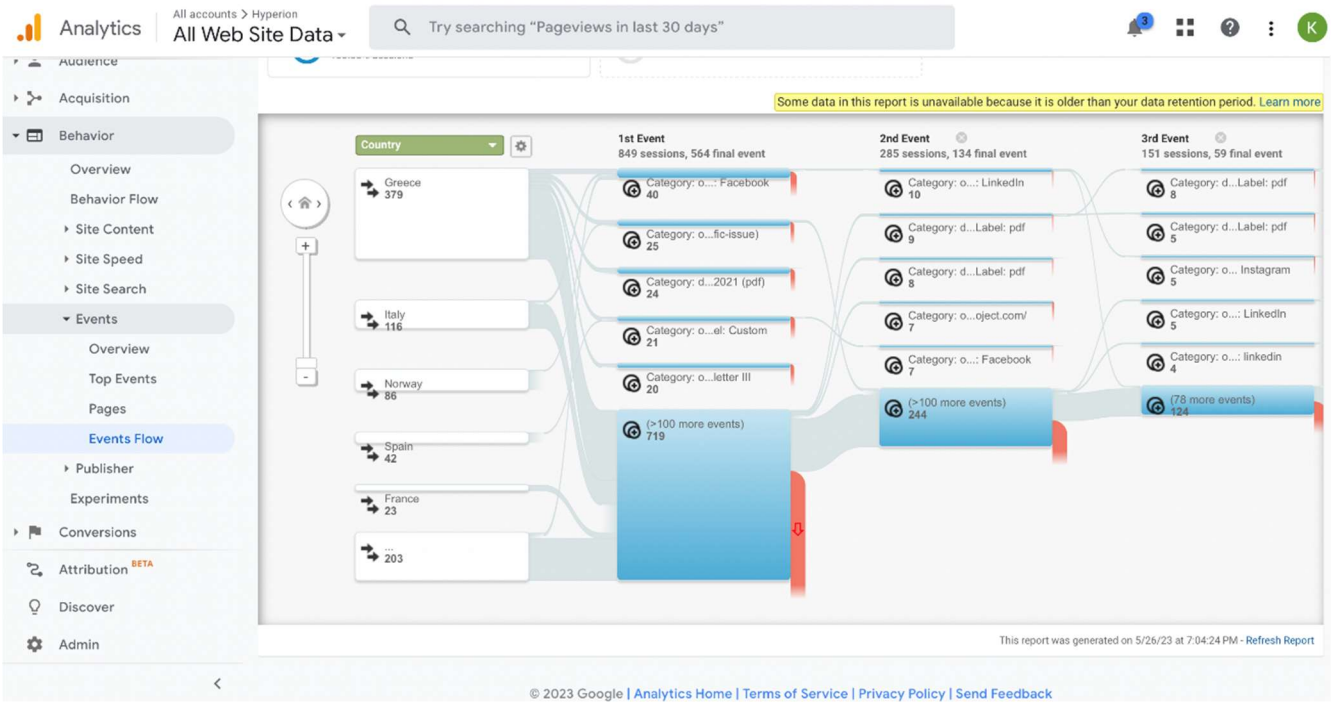


FIGURE 33: EVENTS FLOW PER COUNTRY

Website statistics were provided through Google Analytics & ExactMetrics (i.e. number of sessions, unique visitors, number of pages visited, time etc.) and more data can be found in D9.7 Dissemination and Communication Plan (v2).

Additionally, the HYPERION website has been developed with the following features:

- Results based: Giving priority to the results, the emphasis is on information related to the achievement of the main and specific objectives of the project;
- Visually appealing: The website has been prepared both at the level of design and text (copy) for attracting stakeholders;
- Responsive design: The website can be viewed in optimum conditions from any device;
- Focused on the action: With just a few clicks, the user could obtain all relevant information about the project;
- Fully connected (with the ecosystem): Direct and visible accesses to the contact channels that are available for the project:
    - Direct and personalized: E-mail;
    - Community: Facebook, Twitter, LinkedIn, Instagram, YouTube. In addition, to reach a great audience, links to HYPERION's website are included in partner's web page;

Future Activities

The website will continue to be available after the project end for a period of five years until mid of 2028; the process has been internally agreed with ICSS, which will cover the hosting and domain costs. The website will be also updated with relevant project news and publications; Moreover, HYPERION

partners will continue disseminating the project's results in relevant events and conferences after the end of the project supporting the project's exploitation plan.

2.2.2 Redmine

Redmine is a free and open source, web-based project management and issue tracking tool. It allows users to manage multiple projects and associated subprojects. It features per project wikis and forums, time tracking, and flexible, role-based access control. Redmine platform is accessible to all consortium members, using login credentials.

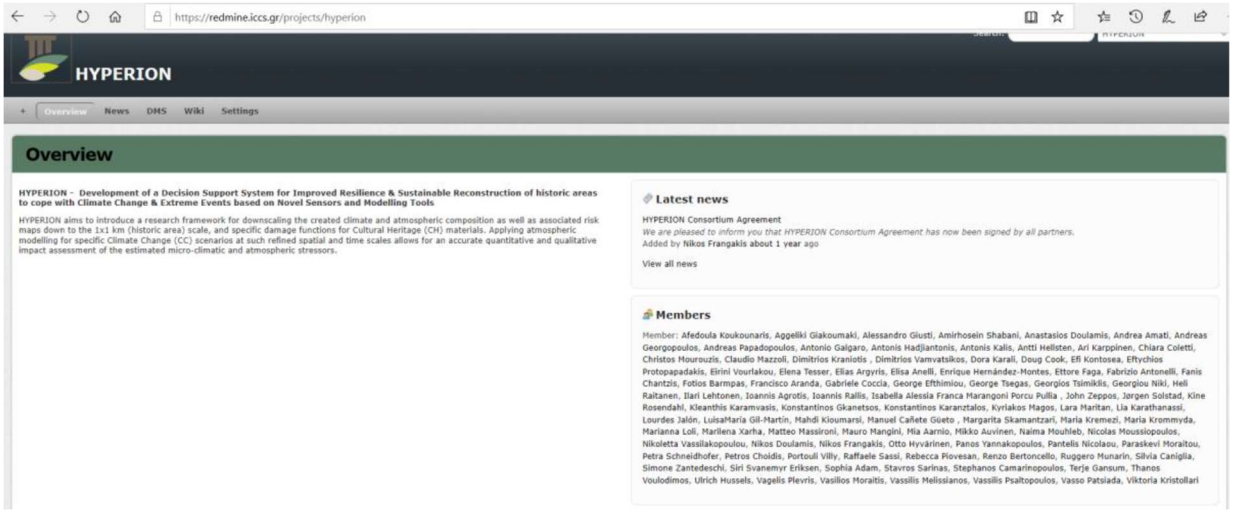


FIGURE 34: REDMINE HYPERION PLATFORM (HOME PAGE)

Redmine is a flexible project management web application written using Ruby on Rails framework and was used as a supporting project management platform. This platform included the internal communication processes, message exchanges, upload of documentation, deadlines establishment, milestones fixing, and internal assignment of tasks and duties. Adequate online messaging services (on individual or group basis) included in the platform were used by involved participants. Those lists were updated regularly. The lists differentiated between project members and their roles, so that messages could be sent automatically to groups, such as Work Package Leaders, Task Leaders, and Finance Administrators, Project Managers, etc. The lists were created as early as in M1.

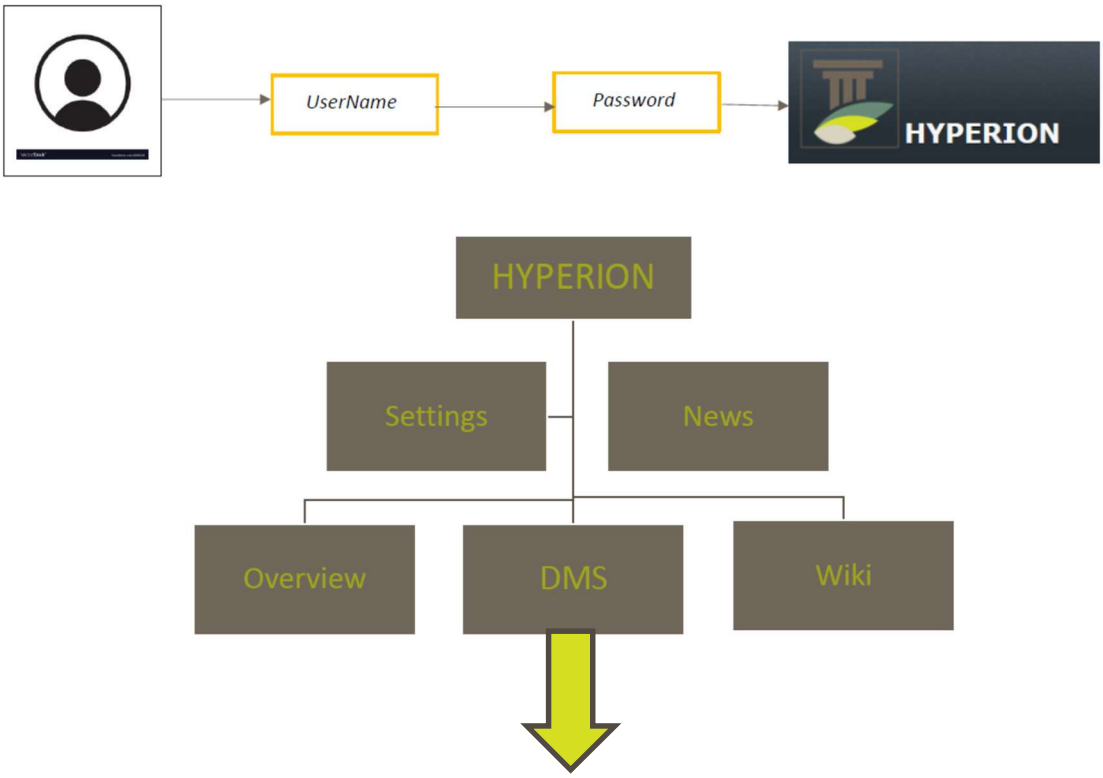


FIGURE 35: REDMINE'S DESIGN

2.2.3 EC and Partner Websites

In order to increase the visibility of the project and as a sign of the involvement of the consortium partners in dissemination and communication, the sections on HYPERION project created on the websites of the partners are shown below.

TABLE 1: PARTNERS' WEBSITES AND THE HYPERION PARTNERS' URL

No	Partner	Website
1	Institute of Communications and Computer Systems	https://i-sense.iccs.gr/ https://i-sense.iccs.gr/projects/hyperion/
2	Ilmatieteen Laitos/ Finnish Meteorological Institute	https://en.ilmatieteenlaitos.fi/
3	Resilience Guard Gmbh	https://www.resilienceguard.ch/ https://www.resilienceguard.ch/company/eu- horizon-2020/
4	Oslomet - Storbyuniversitetet/ Oslo Metropolitan University	https://www.oslomet.no/en/research/research-projects/hyperion
5	National Technical University of Athens (NTUA) School of Civil engineering and School of Rural and Surveying Engineering	http://www.ntua.gr https://lambdalab.ntua.gr/portfolio-items/hyperion/ http://digiphotolab.survey.ntua.gr/?project=hyperion https://www.survey.ntua.gr/el/departments/topo/topo-labs/lab-photo/lab-photo-research
6	RisaSicherheitsanaly sen Gmbh Gmbh	http://www.risa.eu/ http://www.risa.eu/en/safetyanalyses/contractresearch.php
7	UniversitaDegli Studi Di Padova / University of Padova Department of Geoscience	https://www.geoscienze.unipd.it/ https://www.geoscienze.unipd.it/hyperion-project
8	Universidad De Granada/University of Granada	https://www.ugr.es/universidad/noticias/hyperion-impacto-cambio-climatico-edificios-monumentales-su-entorno
9	Aristotelio Panepistimio Thessalonikis/ Aristotle University of Thessaloniki	https://www.auth.gr/ https://aix.meng.auth.gr/lhtee/projects/Hyperion/Hyperion.html
10	Cy.R.I.C – Cyprus Research and Innovation Center Ltd	https://www.cyric.eu/ https://www.cyric.eu/project/hyperion/
11	Universita Iuav Di Venezia/ /Laboratory for the Analysis of Ancient Materials (LAMA)	https://www.iuav.it/ https://www.iuav.it/Ricerca1/LA-RICERCA1/progetti-d/progetti-d/ricerca-in/H2020/index.htm
12	Vestfold Fylkeskommune/ Vestfold and Telemark County	https://www.vtfk.no/ https://www.vtfk.no/meny/tjenester/internasjonalisering/pagaende-prosjekter/
13	Comune di Venezia (City of Venice)	https://www.comune.venezia.it https://www.comune.venezia.it/it/content/hyperion
14	Dimos Rodou (Municipality of Rhodes)	https://www.rhodes.gr/ https://www.rhodes.gr/sygchrimatodotoumena-erga/hyperion/
15	Ephorate of Antiquities of the Dodecanese	https://efadod.gr https://efadod.gr/hyperion/
16	Ayuntamiento De Granada	https://www.granada.org/
17	Intercultural Euro-Mediterranean Center for UNESCO	https://www.iemcunesco.org https://www.iemcunesco.org/activities
18	RED SpA	https://www.redrisk.com/

No	Partner	Website
		Hyperion | RED - Risk, Engineering + Development - Pavia (Italy) (redrisk.com)

The following screenshots were taken from the partners' websites and are related to the visibility of the program to the local societies and stakeholders.

In Greece:

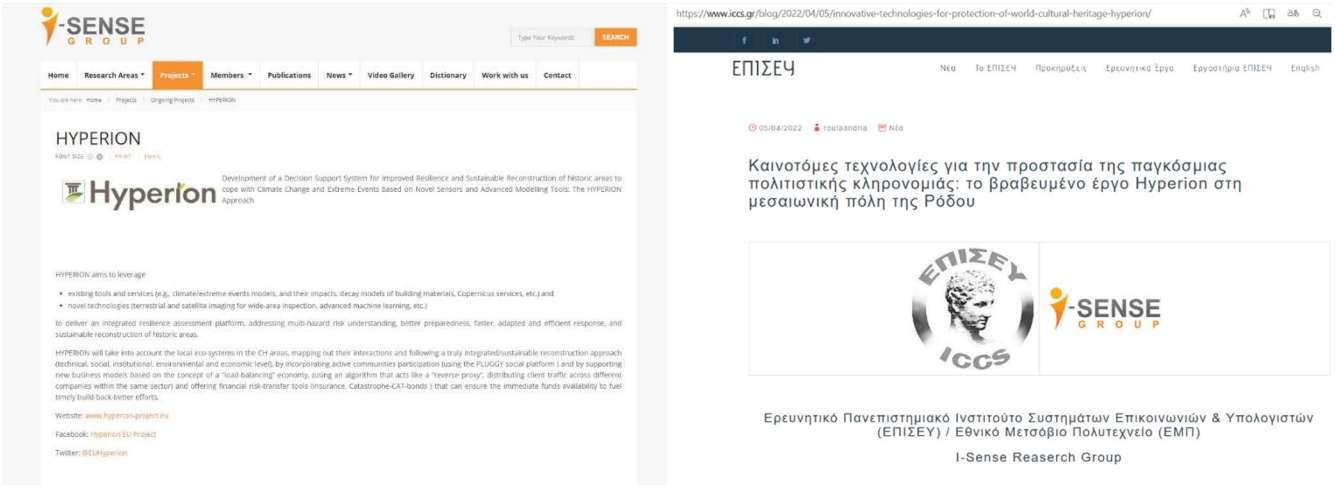


FIGURE 36: ICCS WEBSITE PROMOTING THE HYPERION PROJECT (COORDINATOR)

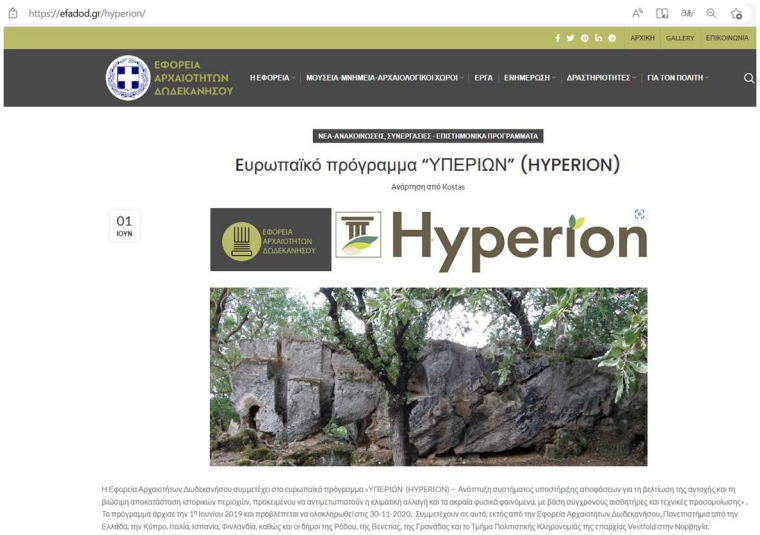


FIGURE 37: EPHORATE OF ANTIQUITIES OF DODECANESE, GREECE WEBSITE PROMOTING HYPERION (PARTNER 15)

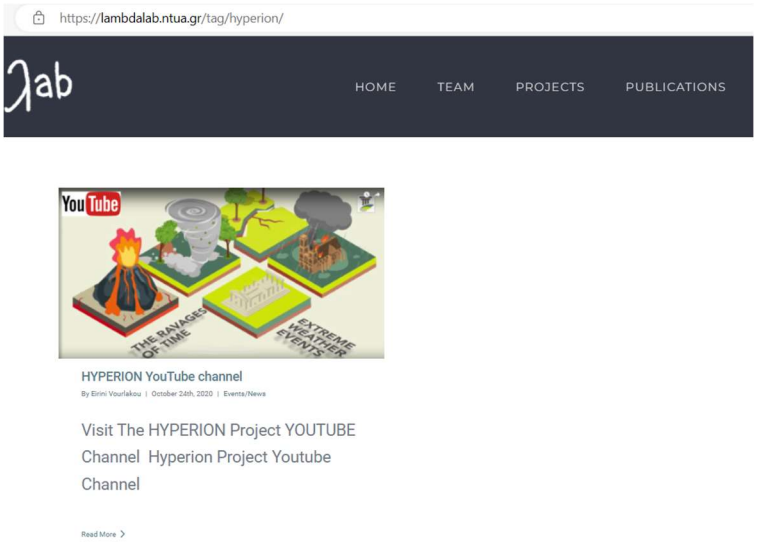


FIGURE 38: Λ LAB NTUA WEBSITE PROMOTING HYPERION (PARTNER 5)

FIGURE 39: SCHOOL OF RURAL, SURVEYING AND GEOINFORMATICS ENGINEERING (NTUA) WEBSITE PROMOTING HYPERION (PARTNER 5)

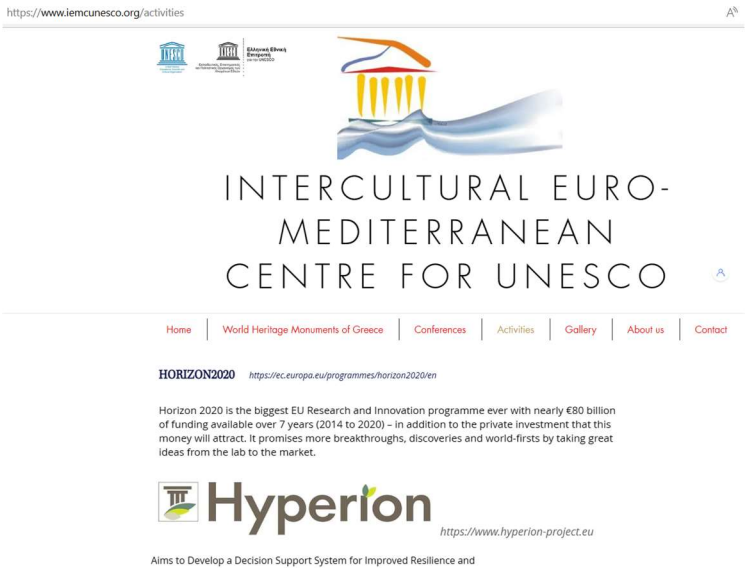


FIGURE 40: IEMC UNESCO WEBSITE PROMOTING HYPERION (PARTNER 17)

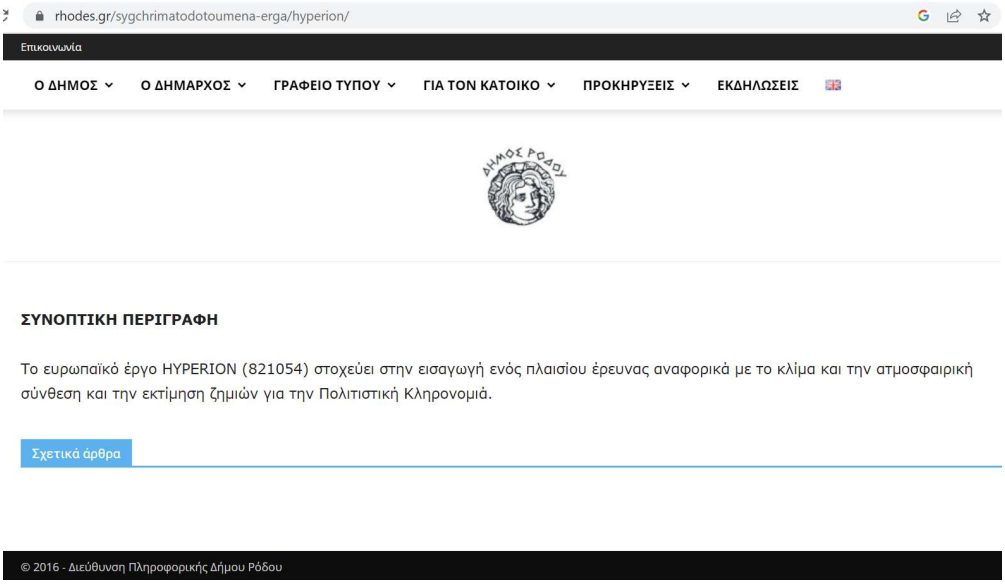


FIGURE 41: MUNICIPALITY OF RHODES WEBPAGE WITH THE PROJECT'S ACKNOWLEDGEMENT (PARTNER 14)

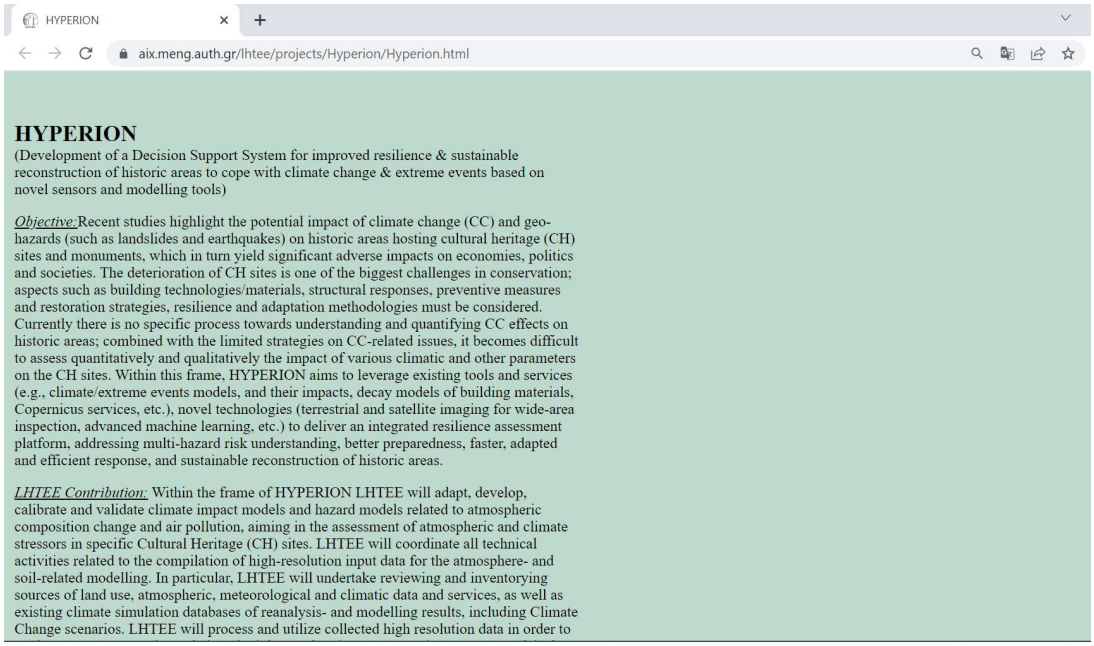


FIGURE 42: AUTH ARISTOTLE UNIVERSITY OF THESSALONIKI WEBPAGE ABOUT HYPERION (PARTNER 9)

In Italy:

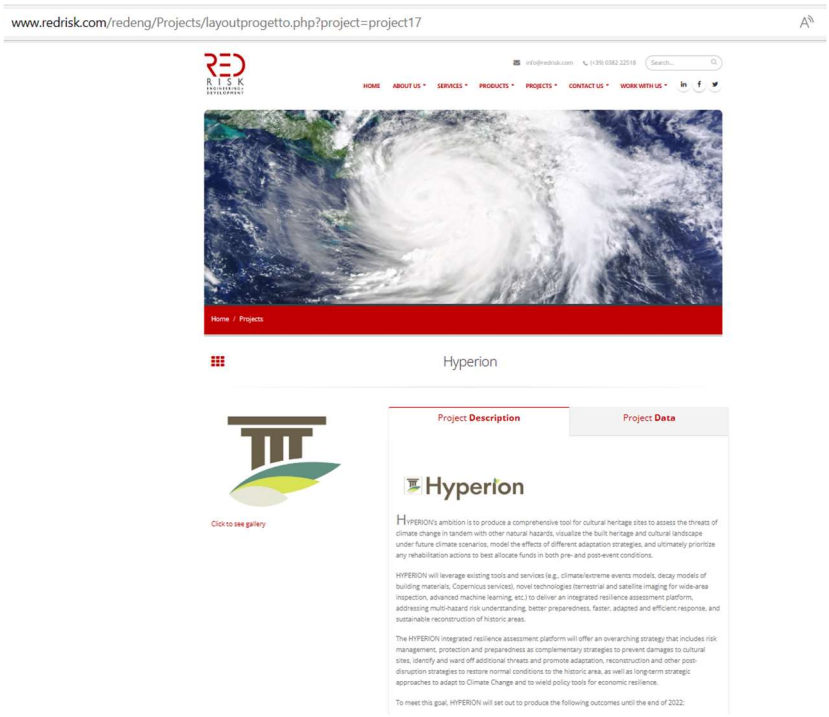


FIGURE 43: RED RISK WEBPAGE ABOUT HYPERION (PARTNER 18)

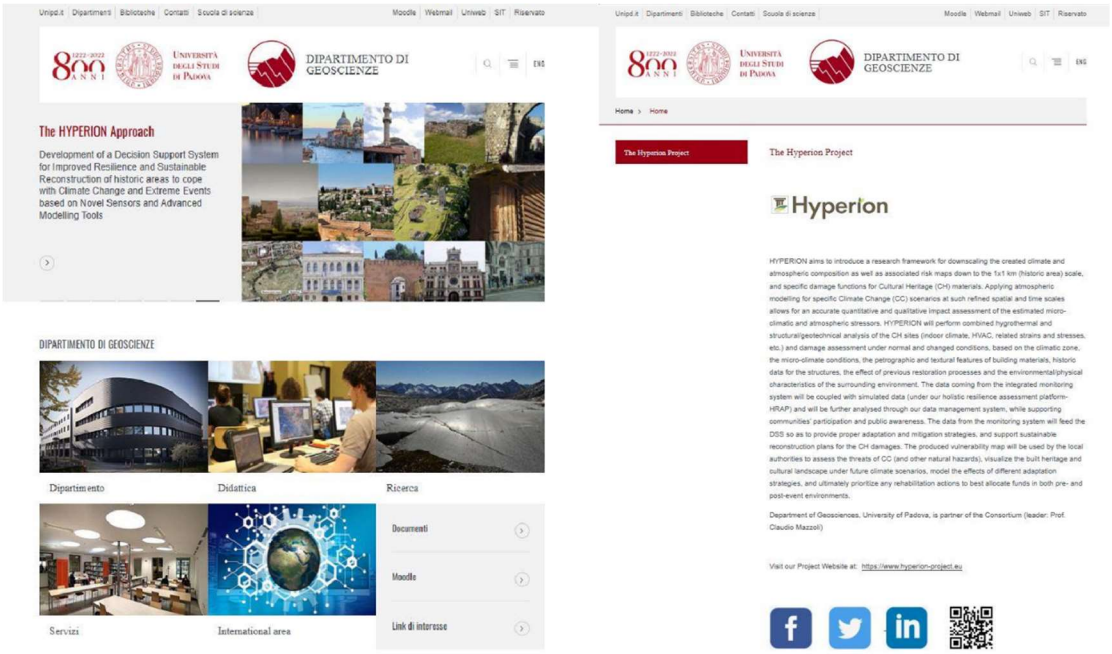


FIGURE 44: UNIVERSITY OF PADOVA WEBPAGE PROMOTING HYPERION (PARTNER 07)

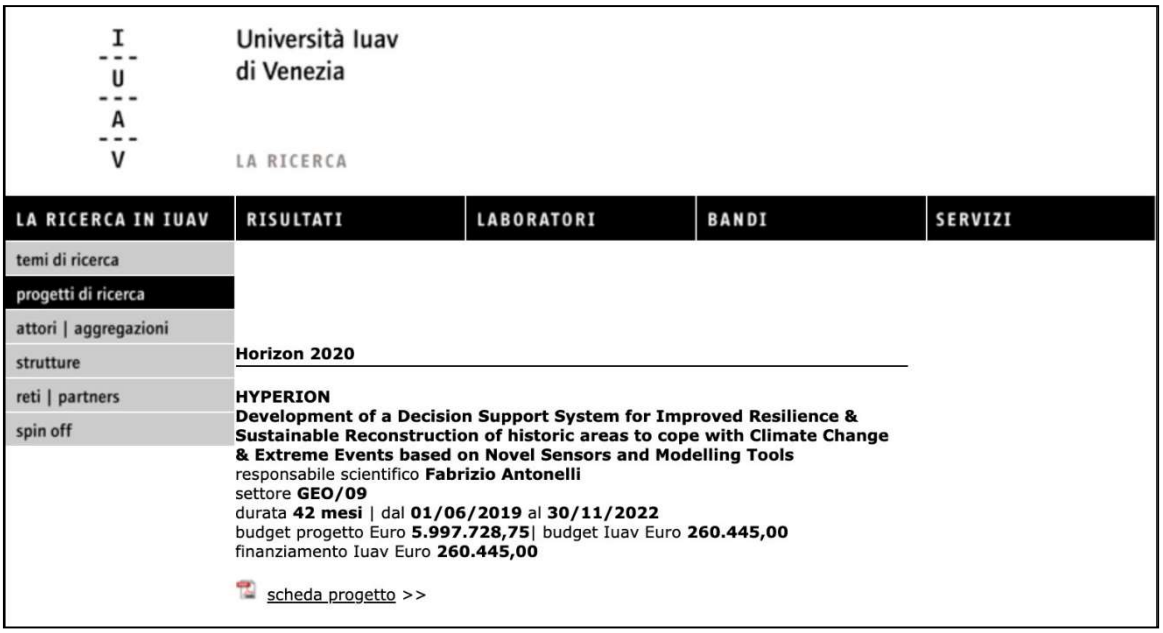


FIGURE 45: IUAV WEBPAGE PROMOTING HYPERION (PARTNER 11)

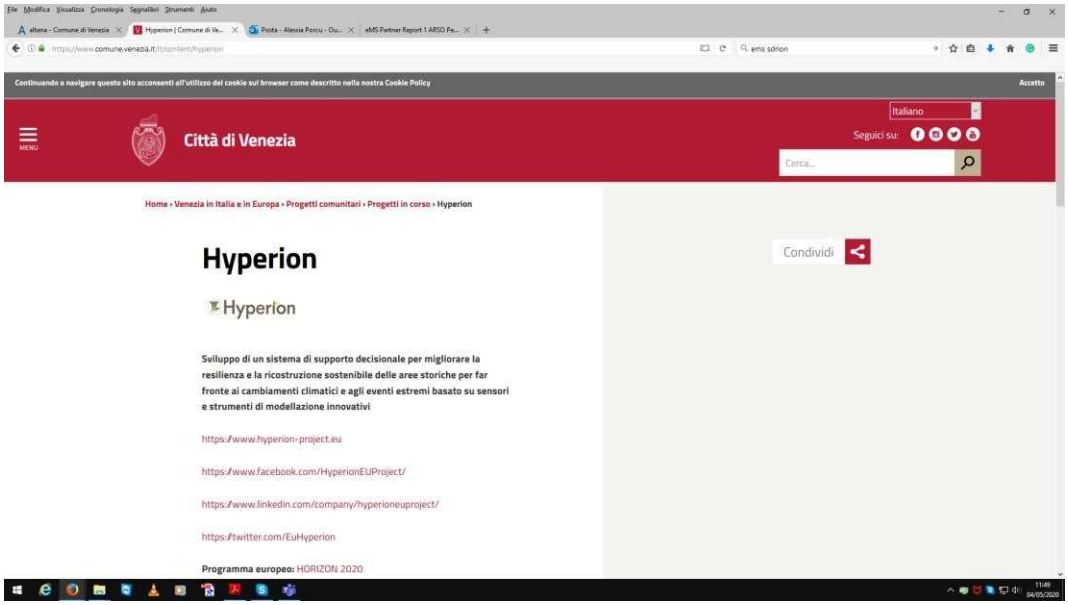


FIGURE 46: MUNICIPALITY VENICE WEBPAGE PROMOTING HYPERION (PARTNER 13)

In Spain:

FIGURE 47: SCREENSHOT FROM THE WEBPAGE OF THE UNIVERSITY OF GRANADA, PROMOTING HYPERION (PARTNER 8)

In Norway:

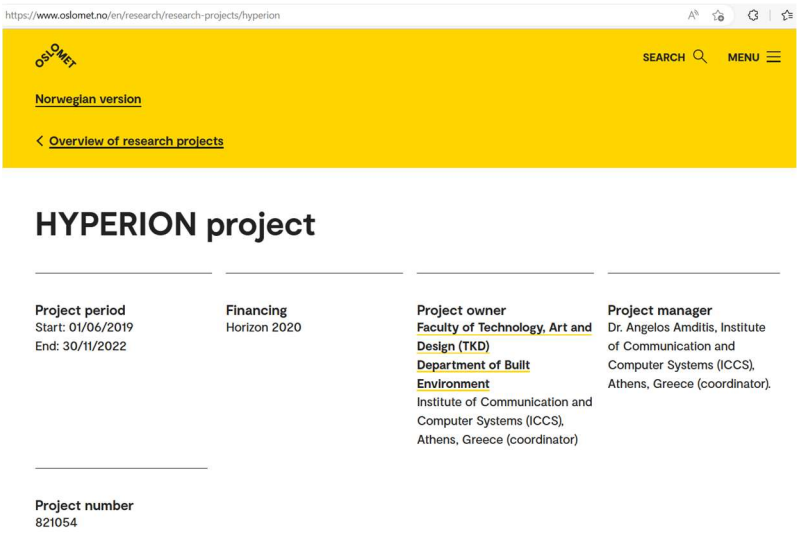


FIGURE 48: SCREENSHOT FROM THE WEBPAGE OF OSLOMET, PROMOTING HYPERION (PARTNER 04)

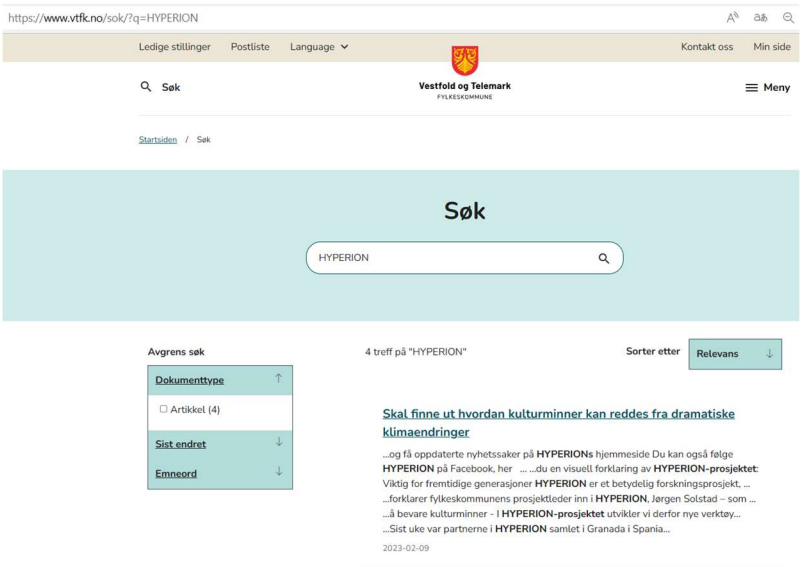


FIGURE 49: SCREENSHOT FROM THE WEBPAGE OF VESTFOLD OG TELEMARK FYLKESKOMMUNE, PROMOTING HYPERION (PARTNER 12)

In Finland:

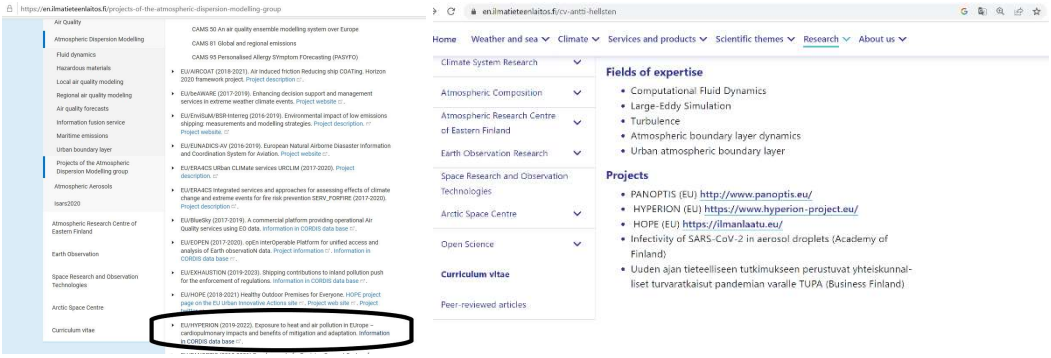


FIGURE 50: ACKNOWLEDGEMENT OF HYPERION PROJECT IN FINNISH METEOROLOGICAL INSTITUTE WEBSITE, PROMOTING HYPERION (PARTNER 2)

In Germany

HYPERION project was presented by RISA in two languages (English and German for the broader dissemination of the project). Information about HYPERION can be found in RISA's website in the following link: http://www.risa.eu/en/safetyanalyses/contractresearch.php.

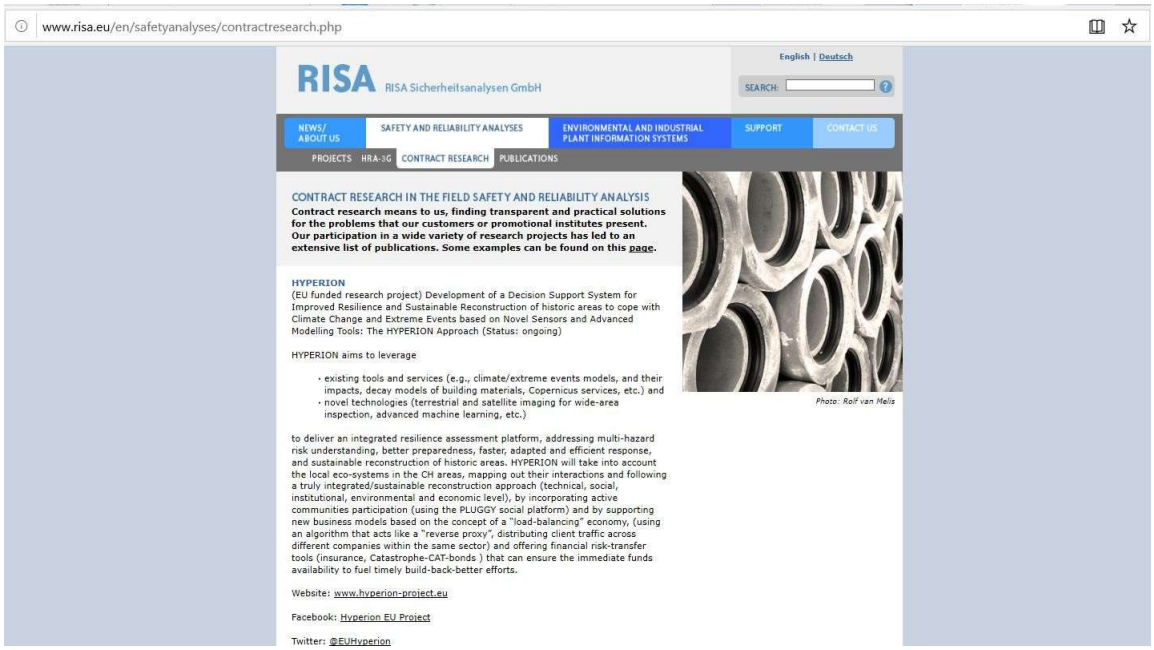


FIGURE 51: SCREENSHOT FROM RISA'S WEBPAGE, PROMOTING HYPERION (PARTNER 06)

In Switzerland:

The webpage mentioning HYPERION, is posted on the website of Resilience Guard since December 2019.

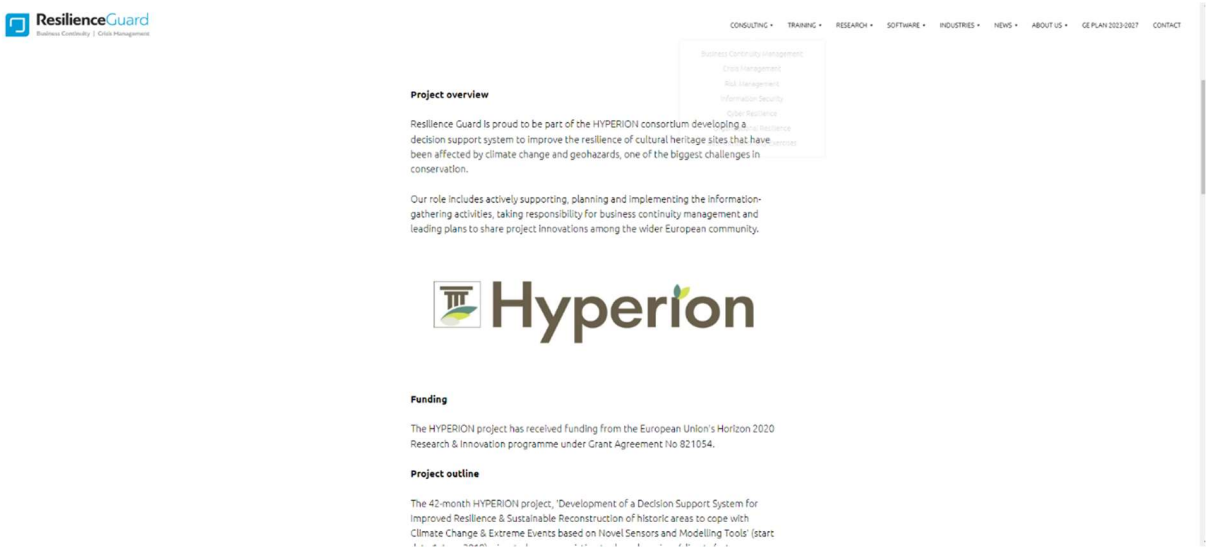


FIGURE 52: RESILIENCE GUARD WEBPAGE PROMOTING HYPERION (PARTNER 03)

In Cyprus:

Cyprus Research and Innovation Center Ltd (CYRIC) is responsible for the system integration activities and has included a reference to HYPERION in the center's website.

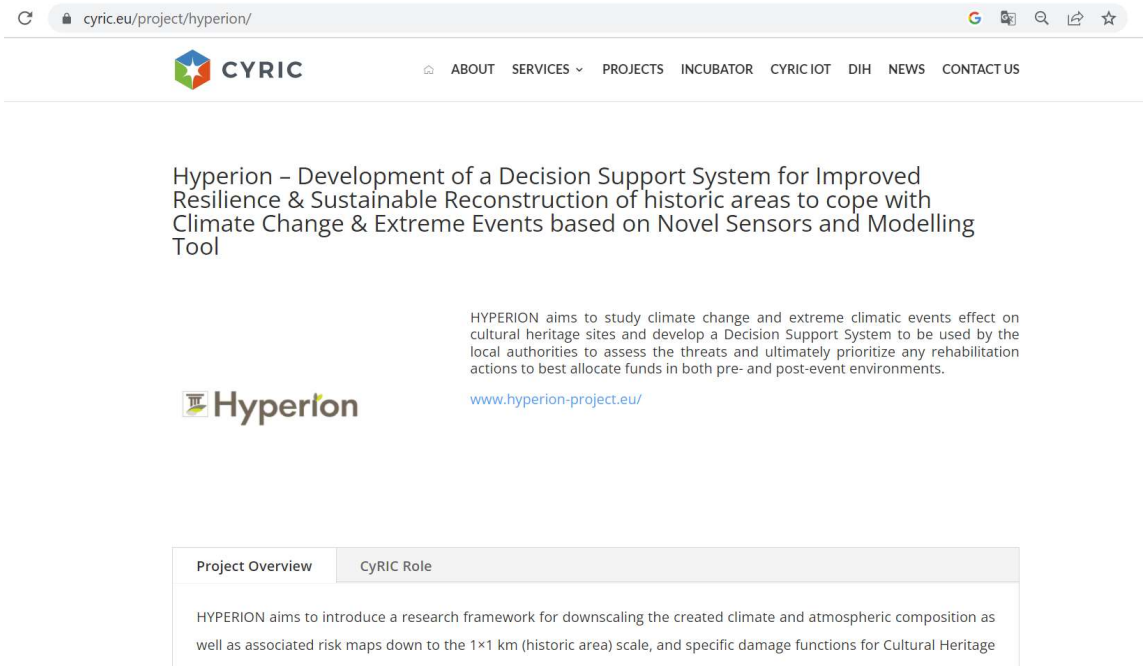


FIGURE 53: CYRIC'S WEBPAGE WITH THE PROJECT'S ACKNOWLEDGEMENT (PARTNER 10)

In rest of Europe:

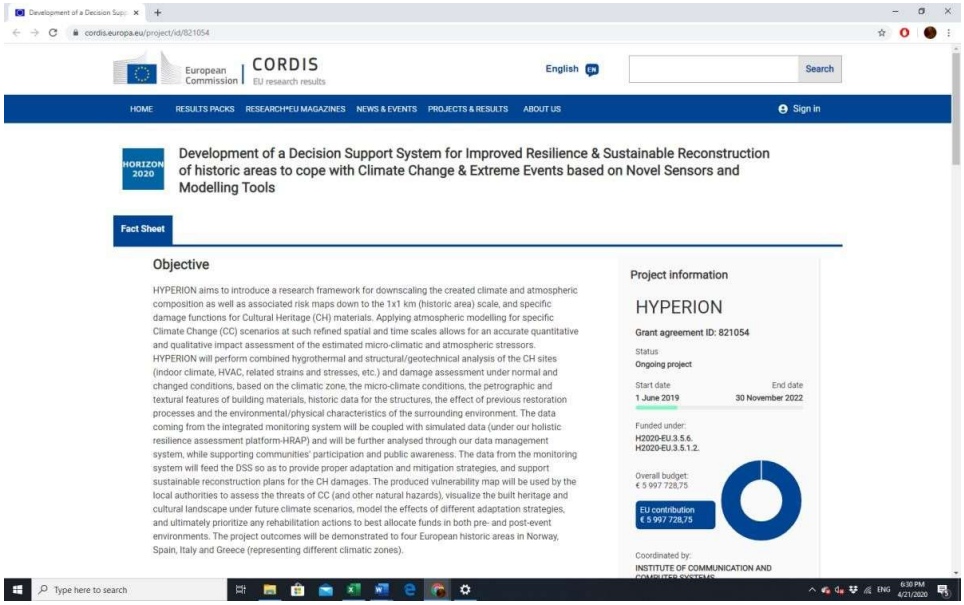


FIGURE 54: PROJECT'S PRESENTATION AT CORDIS WEBSITE

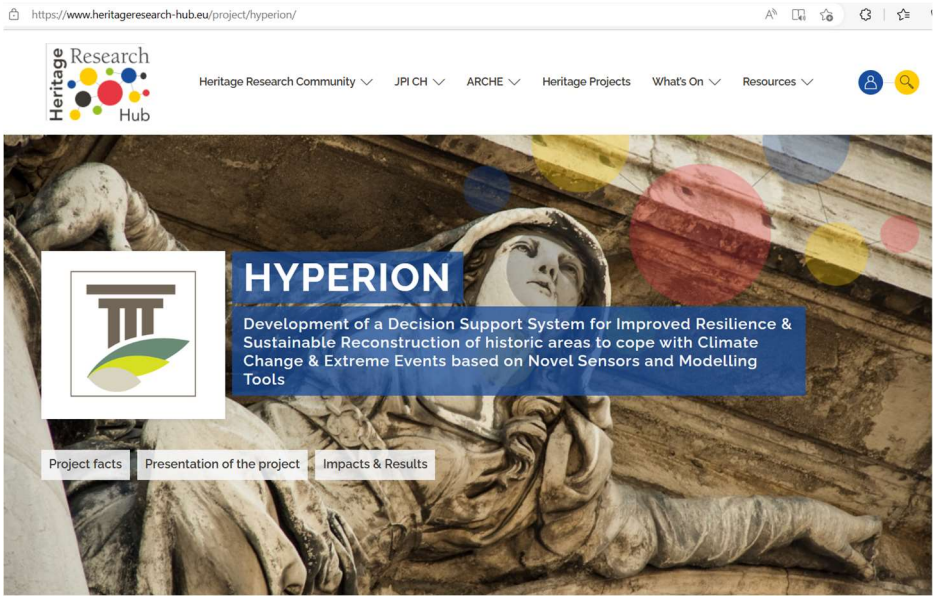


FIGURE 55: HYPERION'S PRESENTATION IN HERITAGE RESEARCH HUB WEBSITE

Furthermore, the following figure, presents the media and the partners through whom the perspective followers are accessing the HYPERION website during April-May 2023. The most popular referral channel was newsletter Mailchimp campaigns, then Facebook channel, then EC's website and after LinkedIn. It is worth to mention the contribution to the total dissemination through the webpages of the participants of the project (EFAKYK, OSLOMET, UNIPD etc.).

FIGURE 56: INDICATIVE LIST OF HYPERION'S REFERRALS ON APRIL -MAY 2023

The HYPERION webpages visited by the audience are listed in order, from the higher to lower accessibility (April-May 2023). The accessibility list directs us in identifying the most interesting pages for the visitors while it also showcases the interest of the visitors on HYPERION's results (journal publications and deliverables pages rank high). The numbers indicate their sequence in the website map.

- Home page (1);
- Partners (1.2);
- Test Sites (1.3);
- Hyperion's vision (1.1.1);
- Journals (1.4.3.2);
- Deliverables (1.4.1);
- News (1.5.1);
- Newsletter (1.5.2);
- Liaisons (1.7);
- Magazines (1.5.3);
- Media Kit (1.5.5);
- HYPERION's Final Event Article (1.5.1);
- Get Involved (1.6);

2.2.4 Social Media

In recent years, social media has become ubiquitous and instrumental for communication, networking and content sharing purposes. Successful social media activities assisted HYPERION throughout its course, to increase its visibility and maximize the potential outreach. HYPERION project actively used social media as a channel for communication of the project's vision news and outcomes as well as for interaction with target audiences. In month 6, HYPERION accounts in three social networks, LinkedIn, Twitter and Facebook, were set up and activated.

Around the 8th month of the project Research Gate[5] (currently not valid) and Instagram were also launched and the information was disseminated to the partners. Instagram was chosen due to its visual nature and as it was running very popular in younger ages. Instagram could build an audience that would stay connected with our project and lastly one of the main benefits of Instagram that separates it from all other social media platforms, is that it's photo-centric. Lastly, in October 2020 Hyperion's YouTube channel was also launched.

Content: Latest news in the field of improved Resilience and Sustainable Reconstruction of historic areas to cope with Climate Change and Extreme Events and related disciplines of HYPERION partners.

Function: Find latest news on the interdisciplinary fields within HYPERION project and connect with other groups to build an audience for the HYPERION project and HYPERION initiatives.

URL link: https://twitter.com/EuHyperion

https://www.facebook.com/HyperionEUProject/

https://www.linkedin.com/company/hyperioneuproject/

https://www.instagram.com/hyperion_eu_project/

https://www.youtube.com/channel/UC4LVxn_tQRbwkHfTcH7Tk4g?view_as=subscriber

LINKEDIN

LinkedIn is a networking platform for professional development and networking, which is growing at 15% annually. For HYPERION project, LinkedIn was used as an effective tool for collaboration, sharing best practices, and targeted marketing efforts. Up to the time of creating this document, the HYPERION LinkedIn page has 321 followers.

[5] on March 31, 2023, ResearchGate retired the Projects feature

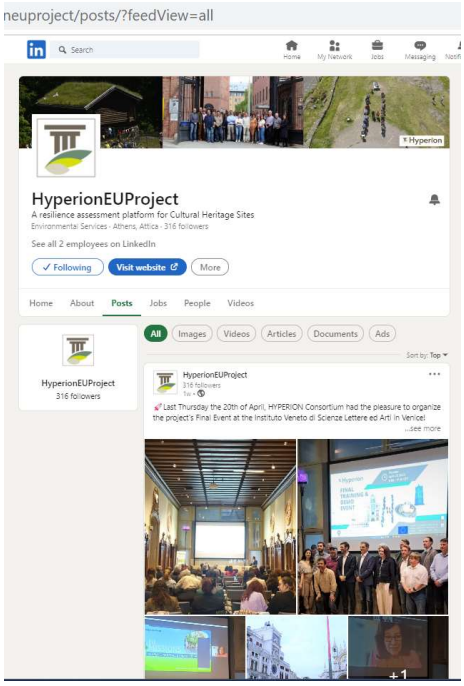


FIGURE 57: HYPERION ACCOUNT PAGE ON LINKEDIN

LinkedIn was used to consolidate communication consistency. By making sure all our partners were connected to our HYPERION account, all partners shared posts related to the project. LinkedIn helped with referencing the project site by creating traffic and external links.

The Top most liked and popular posts published on LinkedIn, were referring to events that took place during HYPERION's lifetime.

FIGURE 58: TOP 2 MOST LIKED, POPULAR POSTS/ ARTICLES PUBLISHED ON LINKEDIN

TWITTER

Twitter is a short message communication tool that allowed HYPERION team to send out tweets up to 140 characters long to people who were subscribed to the project (followers).

A HYPERION Twitter account (@EuHyperion) was established in May 2019, to engage relevant stakeholders on the project's research course (https://twitter.com/EuHyperion). HYPERION Communication team tweeted about the project's aim, the consortium and related topics of interest as well as public events and project's results. ICCS and IECM, with support from other partners tweeted regularly throughout the project lifetime, about news, results and other topics relevant for our project in order to support the impact of our website.

The content strategy that was followed for Twitter was: tweets that included links to web content (news posts, website pages, PDF documents, as well as a photos and videos).

FIGURE 59: HYPERION ACCOUNT PAGE ON TWITTER

Up to the time of creating this document, the Twitter account had 360 followers.

Similarly with LinkedIn, Tweets that referred to HYPERION events generated more impressions and likes.

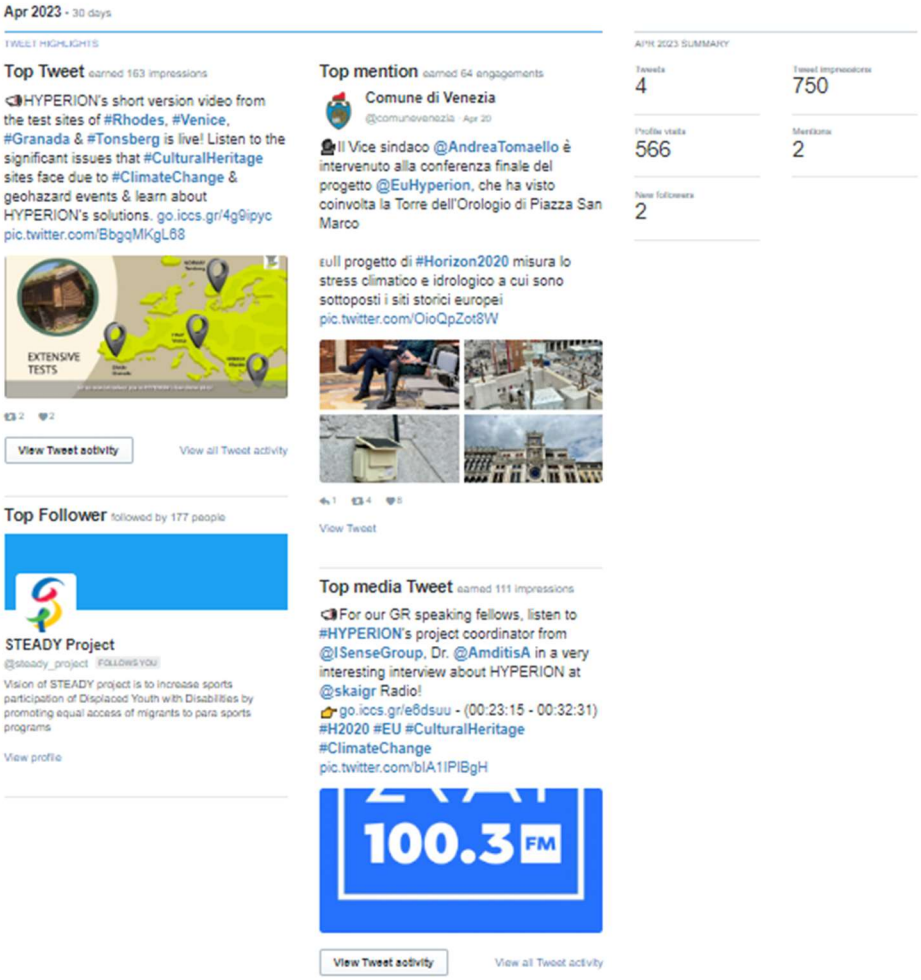


FIGURE 60: IMPRESSIONS OF ENGAGEMENT ON HYPERION TWITTER CHANNEL THE LAST MONTH (APRIL 2023)

Twitter has been particularly effective in expanding HYPERION's network of influence and keeping track of weak relationships with other projects. Twitter is widely used by researchers as a monitoring tool.

The Twitter broadcast was a success because HYPERION followed:

- Regularly publications, once or twice a week;
- Interaction with other accounts with the same regularity;
- Use a maximum of relevant hashtags;
- Tag people mentioned in the contents as well as their affiliations;
- Following and interacting with influential accounts;

FACEBOOK

Facebook is the world's largest social network, and one which enables heretofore unheard-of avenues of communication. The content strategy that was setup for this network unfolds like this: posts that educate while entertaining, informational videos, and anything that generates hype, and therefore comments and shares. For HYPERION project, a Facebook page has been set up and up to the time of creating this document, it had 534 likes and 557 followers.

Among the page's followers the most important are: English Heritage (179,5K followers), Ilmatieteen laitos (168,1K followers), World Meteorological Organization (88,7K followers), Europanostra (13,2K followers), UNESCOEU (6,488 followers), Climate Heritage (2,683 followers), and PLUGGY (454 followers).

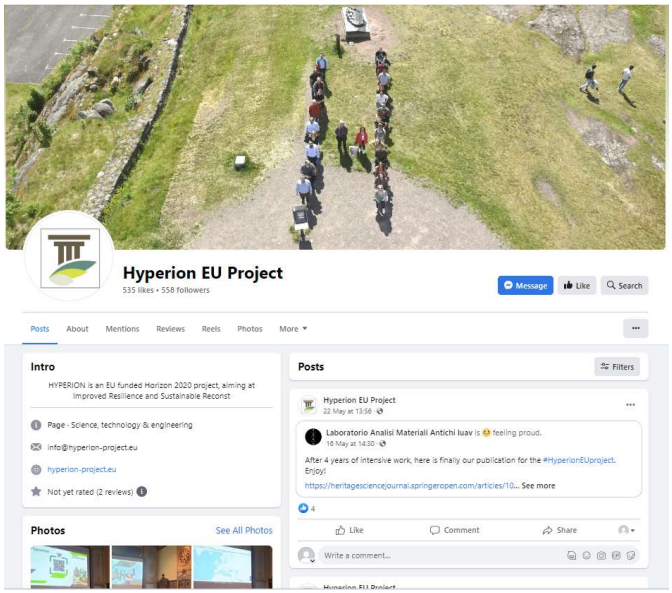


FIGURE 61: HYPERION'S FACEBOOK ACCOUNT

Facebook account was the most active of all social media channels of the project. The Facebook channel's activity showed that with reduced resources in terms of money and time, a wide target group can be reached. This was an important advantage in terms of disseminating the project.

YOUTUBE

YouTube serves as an information disseminating platform for students and community. It is often a good place to learn and gain expertise. This channel has grown very fast the latest years and it is the second most visited site in the world after Google. Ever since its inception, it accounts for nearly 2 billion monthly globally active users. HYPERION's channel on YouTube has 33 followers and showcases 3 videos.

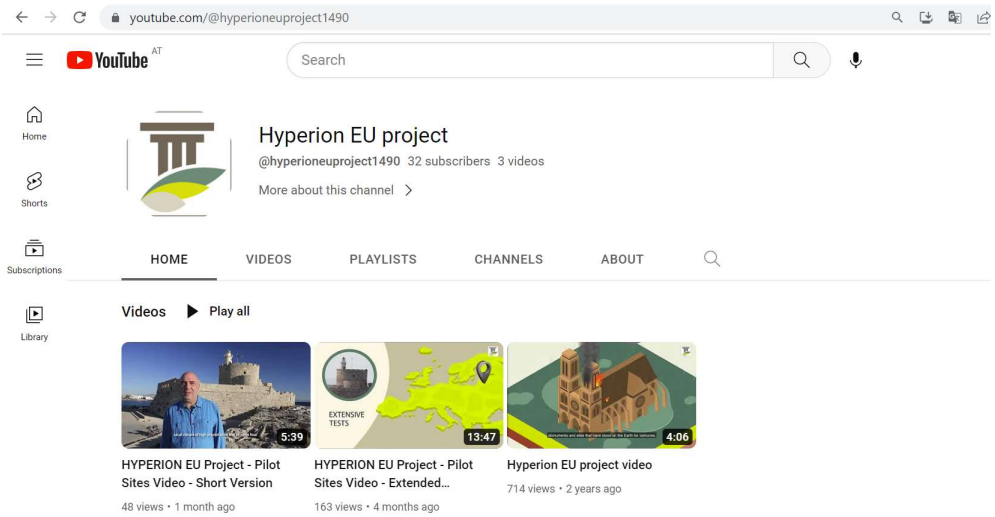


FIGURE 62: HYPERION'S CHANNEL IN YOUTUBE

Every video was followed by a video abstract, a brief description of a scientific work. Through the videos HYPERION team demonstrated methods, used animation/simulation to demonstrate complex concepts, and discussed implication of the finding.

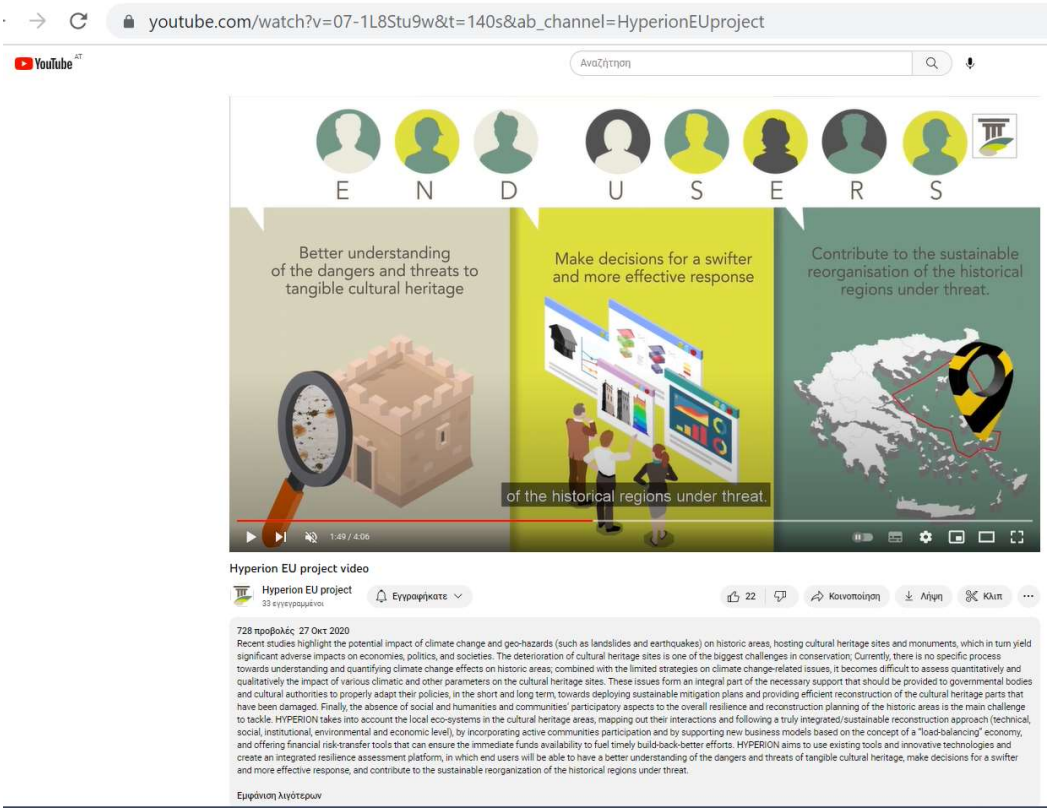


FIGURE 63: INDICATIVE VIEW OF HYPERION VIDEO IN YOUTUBE CHANNEL

The Hyperion's YouTube channel hosts three (3) videos of the project. The videos gathered 964 views in total, up to the time of creating this document.

INSTAGRAM

The HYPERION Instagram Account (https://www.instagram.com/hyperion_eu_project/) was launched later than the other social media accounts in an effort to discover more ways to broaden project's research dissemination to younger generations.

Even if the account was created later in the project's lifetime, it managed to gather 221 followers.

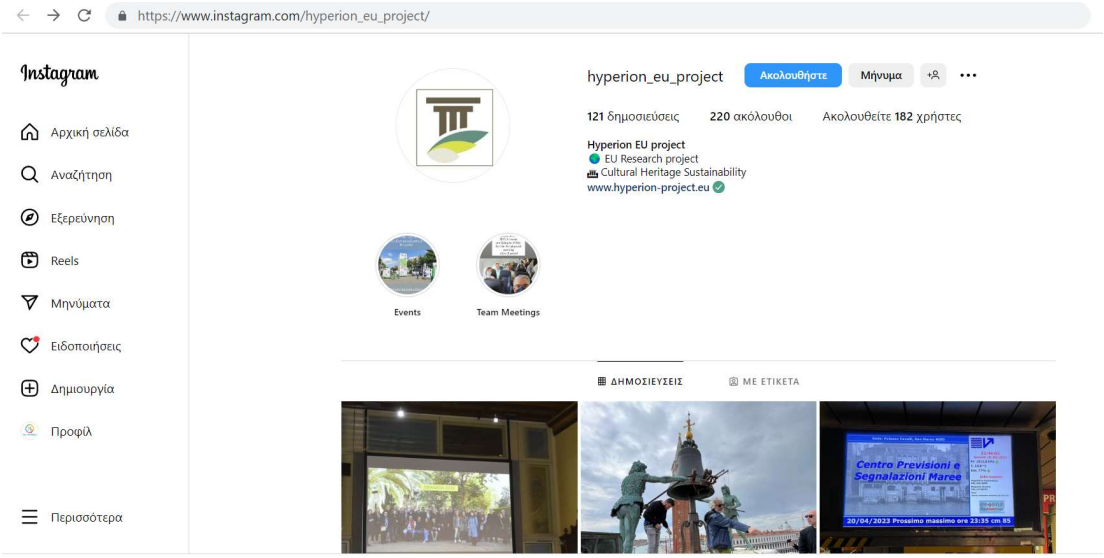


FIGURE 64: HYPERION INSTAGRAM ACCOUNT

Instagram channel was since then a major player in the HYPERION dissemination activities, and the emergence of academic research into the platform reflect this. Most popular posts in Instagram were the following:

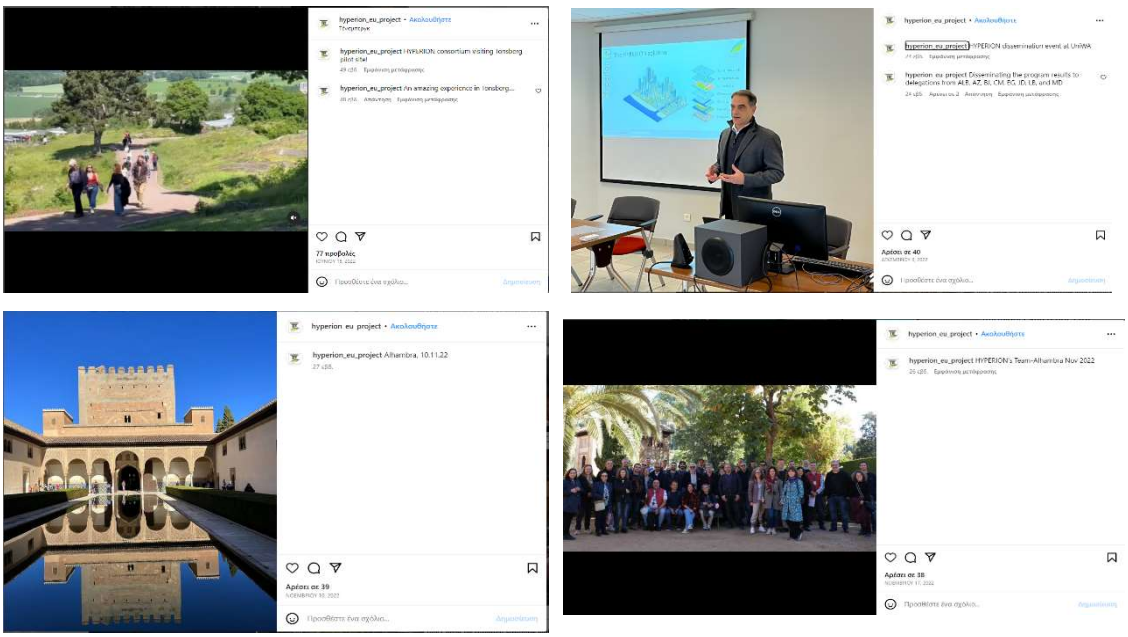


FIGURE 65: TOP 4 MOST POPULAR POSTS IN HYPERION INSTAGRAM

RESEARCHGATE

Research Gate is a European commercial social networking site for scientists and researchers to share papers, ask and answer questions, and find collaborators. HYPERION capitalized the platform to upload presentations and scientific publications, maximizing its scientific impact. In June 2022, HYPERION's account had 40 followers and more than 210 reads.

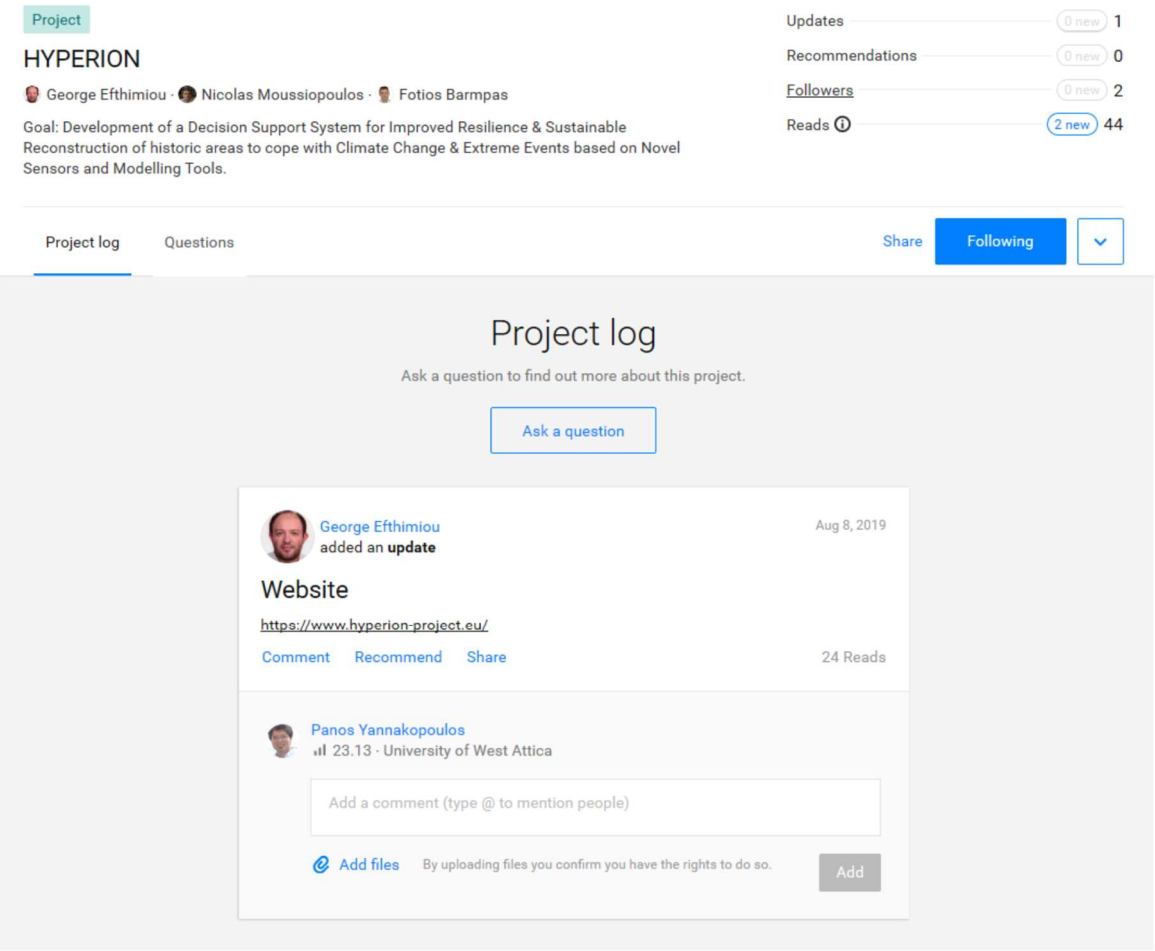


FIGURE 66: RESEARCH GATE STATISTICS AT THE BEGINNING OF THE PROJECT

! On March 31, 2023, ResearchGate retired the Projects feature and removed all projects from the site after their decision to make room for new features that can help you even more in daily research work.

KPIs in HYPERION Social Media channels

Since the beginning of the project, several KPIs have been established for WP9, which can be found in D9.3. In addition to these indicators IEMC monitored throughout the project the impact and engagement of each publication. The basic statistics and an overview of the social media channel of HYPERION per publication up to M47 of the project is depicted in the Figure below. The number has been slightly altered (2-3 points) in the last month of the project (M48).

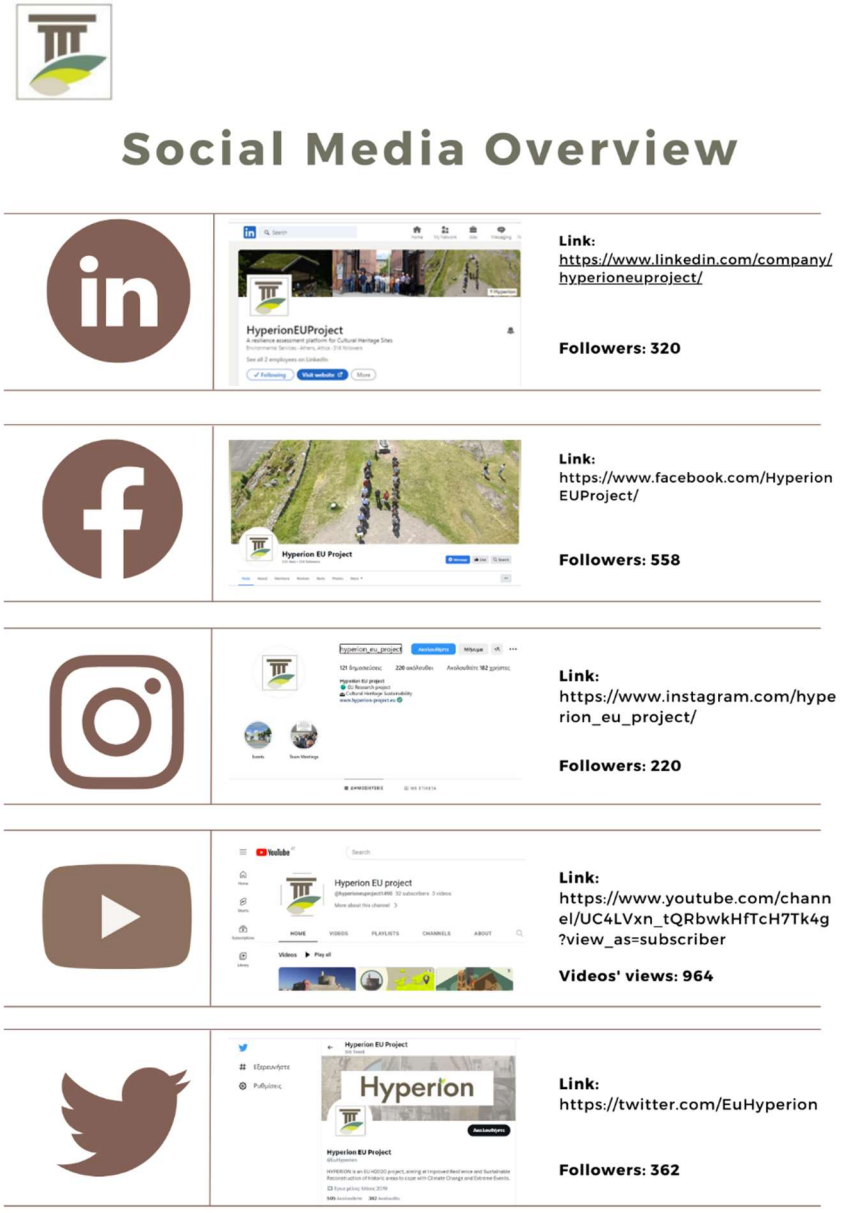


FIGURE 67: HYPERION SOCIAL MEDIA OVERVIEW APRIL 2023

Sample posts from Social Media Channels

In general, in the different social media platforms of Twitter, LinkedIn, Facebook and Instagram, HYPERION Communication team followed a similar strategy.

They added to the conversation by:

- Supporting other projects or organisations with a reply or re-post;
- Uploading news on relevant events of other organisations and HYPERION project;
- Creating new content within the HYPERION project through project news items and outputs;

2.2.4.1.1 SCREENSHOTS FROM PARTNER'S FACEBOOK ACCOUNTS

Vestfold and Telemark county (Partner 12), uploaded activities performed during HYPERION project on their Facebook account: https://www.facebook.com/KulturarvVestfoldTelemark.

FIGURE 68: VESTFOLD AND TELEMARK COUNTY HYPERION ACTIVITIES ON FACEBOOK

Moreover, Universita Iuav Di Venezia/ /Laboratory for the Analysis of Ancient Materials (LAMA), Partner 11, used two different Facebook sites (one is the department and one the University) for the project's needs to promote HYPERION's activities. The LAMA-LabCoMaC laboratory has a personal Facebook page, approved by the IUAV authority, in which, periodically, information about the Hyperion project was shared with the followers. Link: @LAMALabCoMaCIuav.
The project developments were also reported on the official IUAV Facebook page dedicated to the research. Link: @ricercaiuav.

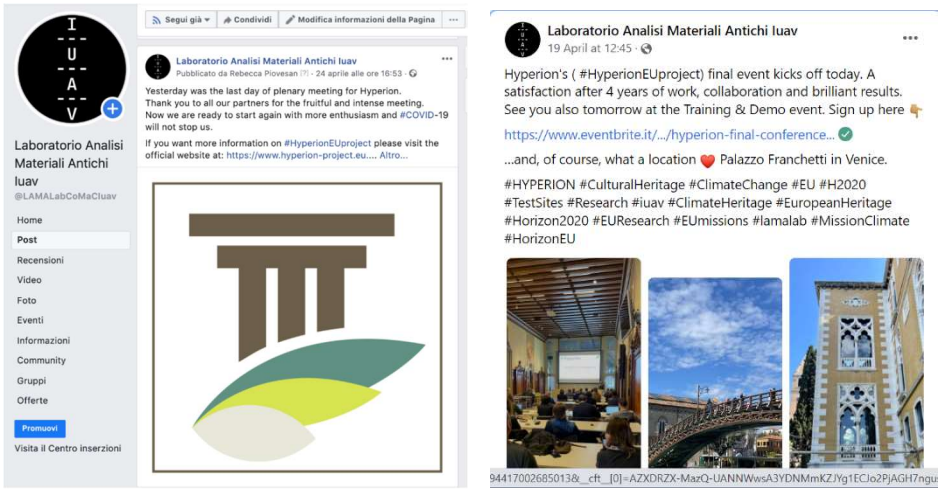


FIGURE 69: FACEBOOK SAMPLE POSTS FROM IUAV

Similarly, I-SENSE Group of ICCS, disseminated in all its Social Media accounts the majority of content shared by the project, actively supporting HYPERION's dissemination strategy. Below you can see some indicative Facebook posts about HYPERION Project published by the @ISenseGroup.

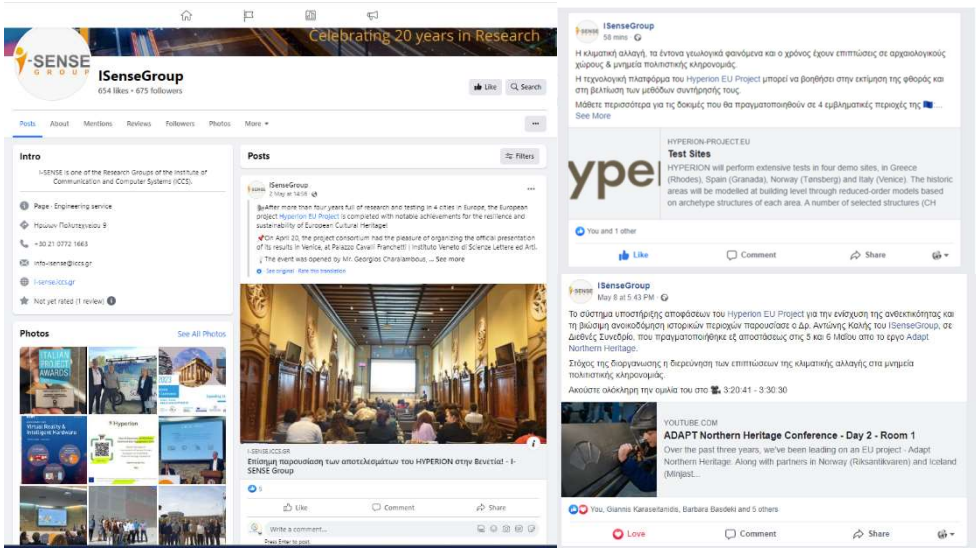


FIGURE 70: INDICATIVE POSTS FROM I-SENSE GROUP FACEBOOK ACCOUNT

2.2.4.1.2 SCREENSHOTS FROM THE TWITTER ACCOUNTS:

Partners with Twitter accounts disseminated the Hyperion Project all through its life circle.

The following table showcases, partners Twitter accounts which were used to disseminate HYPERION's activities. Moreover, indicative tweets from these can be found in the figure below.

TABLE 2: HYPERION PARTNERS' TWITTER ACCOUNTS

a/a	Partner	Twitter links
P1	Institute of Communication and Computer Systems (ICCS)	https://twitter.com/ISENSE_GROUP
P2	Finnish Meteorological Institute (FMI)	https://twitter.com/meteorologit
P3	Resilience Guard GmbH (RG)	https://twitter.com/ResilienceGuard
P4	Oslo Metropolitan University (OSLOMET)	https://twitter.com/OsloMet
P10	CyRIC - Cyprus Research and Innovation Center Ltd (CyRIC)	https://twitter.com/Cy_RIC
P17	Intercultural Euro-Mediterranean Center for UNESCO - (IEMC)	https://twitter.com/euro_unesco
P18	RED SpA	https://twitter.com/REDRiskEng/

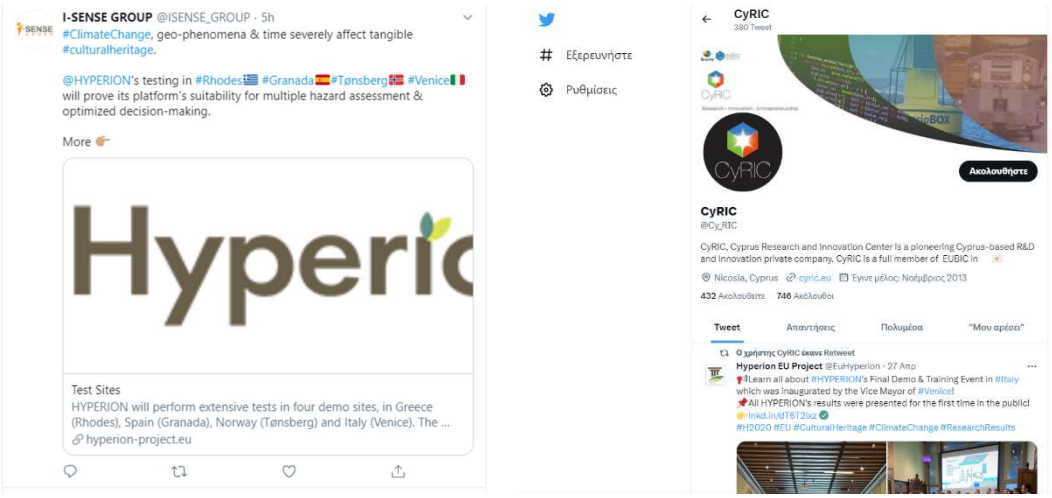


FIGURE 71: SCREENSHOTS FROM PARTNERS' TWITTER ACCOUNTS DISSEMINATING HYPERION'S PROJECT

2.2.4.1.3 SCREENSHOTS FROM LINKEDIN ACCOUNTS:

Apart from relevant partner's posts in LinkedIn accounts, HYPERION project was also disseminated by individuals' members of the HYPERION team or interested stakeholders.

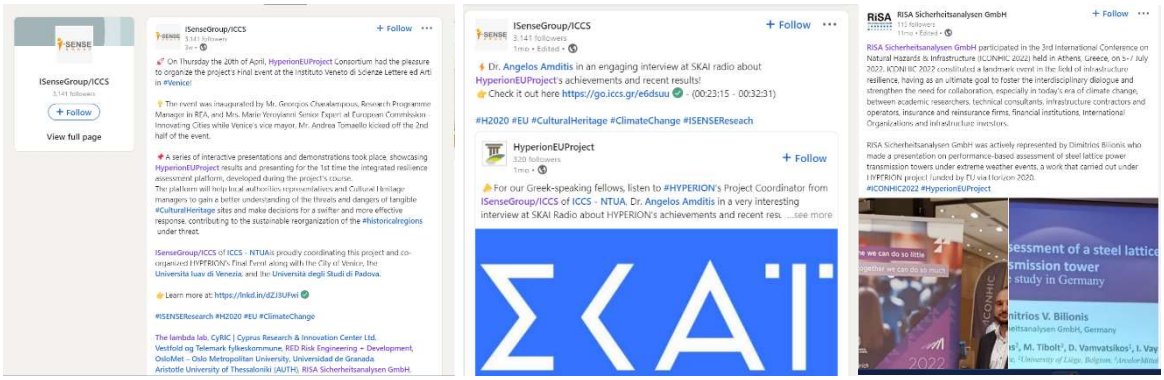


FIGURE 72: SCREENSHOTS FROM PARTNERS' LINKEDIN ACCOUNTS DISSEMINATING HYPERION'S PROJECT ACTIVITIES

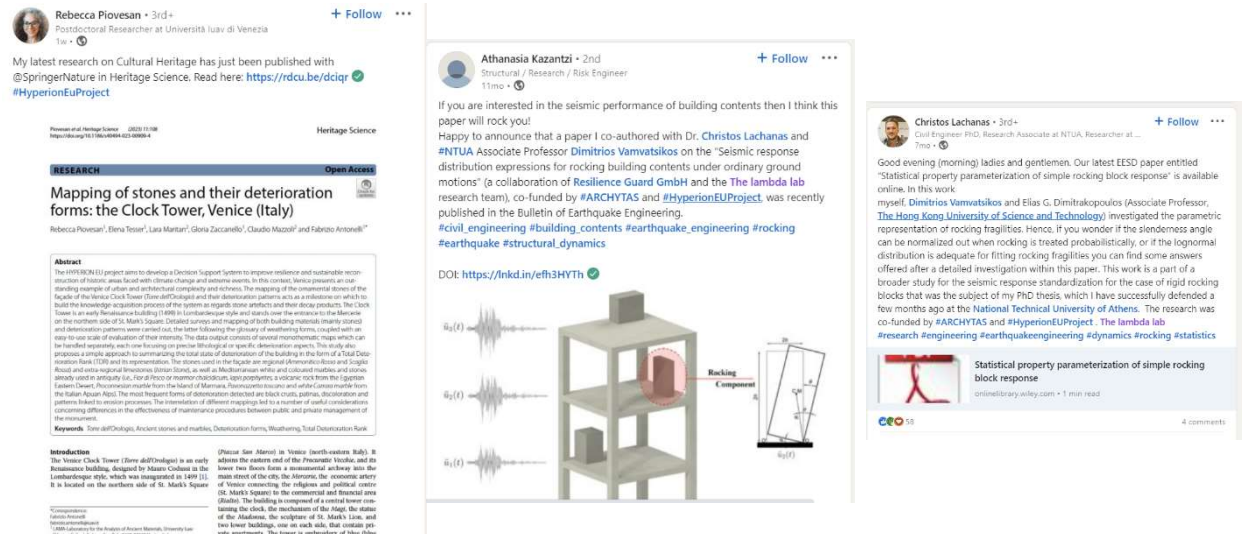


FIGURE 73: SCREENSHOTS OF INDIVIDUALS' POSTS REFERRING TO HYPERION PROJECT

2.2.4.1.4 SCREENSHOTS FROM INSTAGRAM ACCOUNTS:

Concerning Instagram, the interactions with the partners had no reason to be structured in a strategic methodology of dissemination. From nature Instagram is more focused on self-presentation and self-promotion than on the creation and maintenance of networks. Indeed, Instagram's design superficially encourages its users to engage in online, visual self-presentation of their selves. At the same time, most of the partners do not have Instagram account.

However, HYPERION was mentioned (#) in some posts and stories and tagged in some pictures of individual Instagram users.

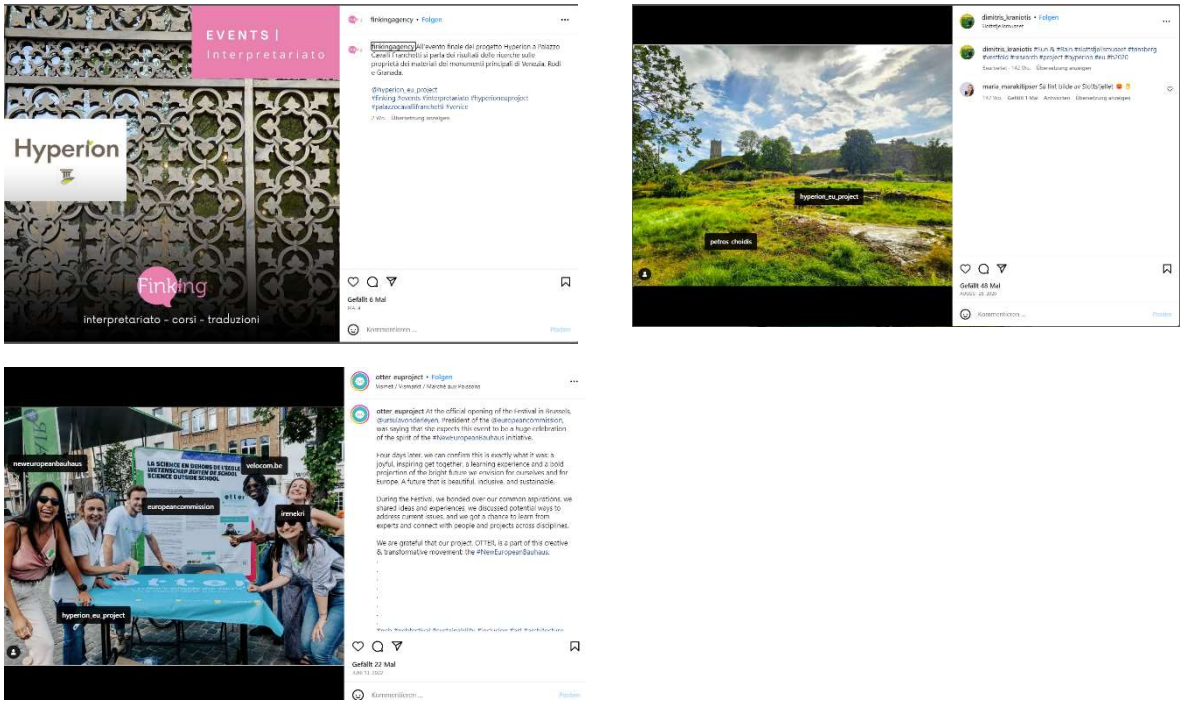


FIGURE 74: INSTAGRAM POSTS WITH REFERENCES TO HYPERION PROJECT

3 Dissemination Means & communication amplifiers

By identifying the major target groups and the means/ways of communication in the project, this section presents the different impacts generated to date.

3.1 Scientific Publications

3.1.1 Journal Publications

HYPERION's consortium used publications in scientific journals with topics relevant to the research and innovation work of the project to continuously disseminate its results to scientific communities. These activities reinforced the project's awareness, allowed HYPERION concepts and solutions to leverage other research projects, fostered cross-project cooperation and provided fundamental means of peer reviewing of the scientific approaches of HYPERION. During HYPERION's 48 months of research activity, 44 journal articles have been published. HYPERION's scientific publications far exceeded the original goal that was set in the initial planning of the project. All journal publications are accessible through HYPERION's website in the following link: https://www.hyperion-project.eu/publications/.

In the following table, one can review the extensive list of journal articles that have been published:

TABLE 3: LIST OF HYPERION'S JOURNAL PUBLICATIONS

Title	Authors/HYPERION partners	Title of journal	Publication date	Open Access	DOI/available electronically at (link)
Performance Analysis of Open Source Time Series InSAR Methods for Deformation Monitoring over a Broader Mining Region;	Kleanthis Karamvasis and Vassilia Karathanassi;	Remote Sens. 2020, 12(9), 1380;	27/4/2020	yes	https://doi.org/10.3390/rs12091380
Fine-tuning Self-Organizing Maps for Sentinel-2 imagery: Separating Clouds from Bright Surfaces;	Viktoria Kristollari and Vassilia Karathanassi;	Remote Sens. 2020, 12(12), 1923;	14/06/2020	yes	https://doi.org/10.3390/rs12121923
Structural Vulnerability Assessment of Heritage Timber Buildings: A Methodological Proposal	Amirhosein Shabani, Mahdi Kioumarsi, Vagelis Plevris and Haris Stamatopoulos;	Forests 2020, 11(8), 881;	13/08/2020	yes	https://doi.org/10.3390/f11080881
Probabilistic identification of surface recession patterns in heritage buildings based on digital photogrammetry;	María L.Jalón, Juan Chiachío, Luisa María Gil-Martín, & Enrique Hernández-Montes;	Journal of Building Engineering Vol 34, Feb. 2021, 101922;	06/11/2020	yes	https://doi.org/10.1016/j.jobe.2020.101922
Practical performance-based design of friction pendulum bearings for a seismically isolated steel top story spanning two RC towers;	A. K. Kazantzi, & D. Vamvatsikos;	Bulletin of Earthquake Engineering vol. 19, p.1231–1248 (2021);	02/12/2020	yes	https://doi.org/10.1007/s10518-020-01011-x
Seismic risk and loss estimation for the building stock in Isfahan. Part I: Exposure and vulnerability;	Mohsen Kohrangi, Paolo Bazzurro & Dimitrios Vamvatsikos;	Bulletin of Earthquake Engineering vol. 19, p.1709–1737 (2021);	28/01/2021	yes	https://doi.org/10.1007/s10518-020-01036-2

Title	Authors/HYPERION partners	Title of journal	Publication date	Open Access	DOI/available electronically at (link)
Seismic risk and loss estimation for the building stock in Isfahan. Part II: Hazard analysis and risk assessment;	Mohsen Kohrangi, Paolo Bazzurro & Dimitrios Vamvatsikos;	Bulletin of Earthquake Engineering vol. 19, p.1739–1763 (2021);	26/01/2021	yes	https://doi.org/10.1007/s10518-020-01037-1
Model Type Effects on the Estimated Seismic Response of a 20-Story Steel Moment Resisting Frame;	Christos G. Lachanas & Dimitrios Vamvatsikos;	Journal of Structural Engineering, Volume 147 Issue 6 - June 2021;	15/04/2021	yes	https://doi.org/10.1061/(ASCE)ST.1943-541X.0003010
Conditional spectrum record selection faithful to causative earthquake parameter distributions;	Andrea Spillatura, Mohsen Kohrangi,Paolo Bazzurro, & Dimitrios Vamvatsikos;	The Journal of the International Association for Earthquake Engineering, Volume50, Issue10;	29/04/2021	yes	https://doi.org/10.1002/eqe.3465
A Modelling Approach for the Assessment of Climate Change Impact on the Fungal Colonization of Historic Timber Structures;	Petros Choidis, Dimitrios Kraniotis, Ilari Lehtonen, & Bente Hellum;	Forests 2021, 12(7), 819;	22/06/2021	yes	https://doi.org/10.3390/f12070819
State of the art of simplified analytical methods for seismic vulnerability assessment of unreinforced masonry buildings;	Amirhosein Shabani, Mahdi Kioumarsi, Maria Zucconi;	Engineering Structures Volume 239, 15 July 2021, 112280;	15/07/2021	yes	https://doi.org/10.1016/j.engstruct.2021.112280
Seismic response distribution expressions for on-ground rigid rocking blocks under ordinary ground motions;	Athanasia K. Kazantzi, Christos G. Lachanas, Dimitrios Vamvatsikos;	Earthquake Engineering Structural Dynamics Volume50, Issue12;	10/10/2021	yes	https://doi.org/10.1002/eqe.3511
FLOMPY: An Open-Source Toolbox for Floodwater Mapping Using Sentinel-1 Intensity Time Series;	Kleanthis Karamvasis, & Vassilia Karathanassi;	Water 2021, 13, 2943;	20/10/2021	yes	https://doi.org/10.3390/w13212943
Structural Model Updating of a Historical Stone Masonry Tower in Tønsberg, Norway;	Amirhosein Shabani, Agon Ademi & Mahdi Kioumarsi;	Lecture Notes in Civil Engineering, vol 209. Springer, Cham;	04/12/2021	yes	https://doi.org/10.1007/978-3-030-90788-4_45
Rocking incremental dynamic analysis;	Christos G. Lachanas, Dimitrios Vamvatsikos;	Earthquake Engineering Structural Dynamics Volume51, Issue3;	13/12/2021	yes	https://doi.org/10.1002/eqe.3586
Seismic Vulnerability Assessment and Strengthening of Heritage Timber Buildings: A Review;	Amirhosein Shabani, Ali Alinejad, Mohammad Teymouri, André Nascimento Costa, Mahgol Shabani and Mahdi Kioumarsi;	Buildings 2021, 11(12), 661;	18/122021	yes	https://doi.org/10.3390/buildings11120661
A novel 73icroelement for seismic analysis of unreinforced masonry buildings based on MVLEM in OpenSees;	Amirhosein Shabani, Mahdi Kioumarsi;	Journal of Building Engineering Volume 49, 104019;	12/01/2022	yes	https://doi.org/10.1016/j.jobe.2022.104019
Model updating of a masonry tower based on operational modal	Amirhosein Shabani, Mohyeddin Feyzabadi, Mahdi Kioumarsi	Case Studies in Construction Materials	16/02/2022	yes	https://doi.org/10.1016/j.cscm.2022.e00957

Title	Authors/HYPERION partners	Title of journal	Publication date	Open Access	DOI/available electronically at (link)
analysis: The role of soil-structure interaction;		Volume 16, June 2022, e00957 Volume 16, June 2022, e00957;			
Smart Tags: IoT Sensors for Monitoring the Micro-Climate of Cultural Heritage Monuments;	Nikos Mitro, Maria Krommyda, Angelos Amditis;	Appl. Sci. 2022, 12(5), 2315;	23/02/2022	yes	https://doi.org/10.3390/app12052315
3D simulation models for developing digital twins of heritage structures: challenges and strategies;	A. Shabani, M. Kioumarsi, M. Skamantzari, S. Tapinaki, A. Georgopoulos, V. Plevris;	Procedia Structural Integrity;	22/02/2022	yes	https://doi.org/10.1016/j.prostr.2022.01.090
The influence of the vertical component of ground motion on the probabilistic treatment of the rocking response of free-standingblocks. Earthquake Engineering and Structural Dynamics;	Christos G. Lachanas,Dimitrios Vamvatsikos,Michalis F. Vassiliou;	Earthwquake Engineering Structural Dynamics, Volume 51, Issue 8;	20/03/2022	yes	https://doi.org/10.1002/eqe.3643
Change Detection in VHR Imagery With Severe Co-Registration Errors Using Deep Learning: A Comparative Study;	Viktoria Kristollari; Vasilia Karathanassi;	IEEE Access;	24/03/2022	yes	https://doi.org/10.5281/zenodo.6516882
A risk-based evaluation of direct displacement-based design;	Luke van der Burg, Mohsen Kohrangi, Dimitrios Vamvatsikos & Paolo Bazzurro;	Bulletin of Earthquake Engineering (2022);	23/06/2022	yes	https://doi.org/10.1007/s10518-022-01447-3
Mechanical Characterization and Creep Behavior of a Stone Heritage Material Used in Granada (Spain): Santa Pudia Calcarenite;	Luisa María Gil-Martín, Manuel Alejandro Fernández-Ruiz & Enrique Hernández-Montes;	Rock Mechanics and Rock Engineering volume 55, pages5659–5669 (2022);	25/06/2022	yes	https://doi.org/10.1007/s00603-022-02946-0
Seismic response distribution expressions for rocking building contents under ordinary ground motions;	A. K. Kazantzi, C. G. Lachanas & D. Vamvatsikos;	Bulletin of Earthquake Engineering (2022);	27/06/2022	yes	https://doi.org/10.1007/s10518-022-01424-w
Seismic fragility assessment of high-rise stacks in oil refineries;	Karaferis D. Nikolaos; Kazantzi Athanasia; Melissianos E. Vasileios; Bakalis Konstantinos; Vamvatsikos Dimitrios;	Bull Earthquake Eng 20, 6853–6876 (2022);	28/07/2022	yes	https://doi.org/10.1007/s10518-022-01476-y
Reduced-order models for the seismic assessment of plan-irregular low-rise frame buildings;	Ruggieri Sergio; Chatzidaki Akrivi; Dimitrios Vamvatsikos; Uva Giuseppina;	Earthquake Engeenering Stuctural Dynamics Vol.51, Issue14 P. 3327-3346;	22/08/2022	yes	https://doi.org/10.1002/eqe.3725
Onshore Buried Steel Fuel Pipelines at Fault Crossings: A Review of Critical Analysis and Design Aspects;	Melissianos E. Vasileios;	Journal of Pipeline Systems Engineering and Practice Vol 13 Issue 4 – Nov.2022;	05/09/2022	yes	https://ascelibrary.org/doi/pdf/10.1061/%28ASCE%29PS.1949-1204.0000661?download=true
Mechanical characterization and elastic stiffness degradation of unstabilized rammed earth;	Luisa María Gil-Martína, Manuel Alejandro Fernández-Ruiz, Enrique Hernández-Montesa;	Journal of Building Engineering Volume 56, 15	15/09/2022	yes	https://doi.org/10.1016/j.jobe.2022.104805

Title	Authors/HYPERION partners	Title of journal	Publication date	Open Access	DOI/available electronically at (link)
		September 2022, 104805;			
Recession rate of carbonate rocks used in cultural heritage: Textural control assessed by accelerated ageing tests;	Salvini Silvia,Bertoncello Renzo, Coletti Chiara, Germinario Luigi, Maritan Lara, Massironi Matteo, Pozzobon Riccardo, Mazzoli Claudio;	Journal of Cultural Heritage Volume 57, September–October 2022, Pages 154-164;	09-10/2022	yes	https://doi.org/10.1016/j.culher.2022.08.010
Risk Assessment of Rehabilitation Strategies for Steel Lattice Telecommunication Towers of Greece under Extreme Wind Hazard;	Dimitrios V. Bilionis; Konstantinos Vlachakis; Dimitrios Vamvatsikos; Maria-Eleni Dasiou; Ioannis Vayas; Konstantinos Lagouvardos;	Engineering Structures Volume 267, 15 September 2022, 114625;	15/09/2022	yes	https://doi.org/10.1016/j.engstruct.2022.114625
Yield displacement charts for performance-based seismic design;	Enrique Hernández-Montes, María L. Jalón, Juan Chiachío & Luisa María Gil-Martín;	Recession rate of carbonate rocks used in cultural heritage: Textural control assessed by accelerated ageing tests;	17/10/2022	yes	https://doi.org/10.1007/s10518-022-01534-5
Statistical property parameterization of simple rocking block response;	Lachanas G. Christos National Technical University of Athens ; Vamvatsikos Dimitrios; Dimitrakopoulos G. Elias;	Earthquake Engeenering Stuctural Dynamics, Vol52, Issue2, Feb. 2023 P.394-414;	24/10/2022	yes	https://doi.org/10.1002/eqe.3765
Microclimate and Weathering in Cultural Heritage: Design of a Monitoring Apparatus for Field Exposure Tests;	Germinario, Luigi; Coletti, Chiara; Girardi, Giampaolo; Maritan, Lara; Praticelli, Nicola; Sassi, Raffaele; Solstad, Jørgen; Mazzoli, Claudio;	Heritage2022,5, 3211–321;	27/10/2022	yes	https://doi.org/10.3390/heritage5040165
Hyperomet: An OpenSees interface for nonlinear analysis of unreinforced masonry buildings;	Amirhosein Shabani Mahdi Kioumarsi;	Original Software Publication | Volume 20, 101230;	29/10/2022	yes	https://doi.org/10.1016/j.softx.2022.101230
Fragility Curves for Historical Structures with Degradation Factors Obtained from 3D Photogrammetry;	Luisa María Gil-Martín, Luisa Hdz.-Gil, Mohsen Kohrangi, Esperanza Menéndez and Enrique Hernández-Montes;	Heritage, (2022), 5(4), 3260–3279, MDPI;	30/10/2022		https://doi.org/10.3390/heritage5040167
Climate change impact on the degradation of historically significant wooden furniture in a cultural heritage building in Vestfold, Norway;	Petros Choidis, Akriti Sharma, Giulia Grottesi, and Dimitrios Kraniotis;	E3S Web Conf. Volume 362, 2022; BuildSim Nordic 2022;	01/12/2022	yes	https://doi.org/10.1051/e3sconf/202236211003
Prediction Model for the Evolution of the Deterioration of Bricks in Heritage Buildings in Venice Caused by Climate Change;	Enrique Hernández-Montes, Luisa Hdz-Gil, Chiara Coletti, Simone Dilaria, Luigi Germinario and Claudio Mazzoli;	Heritage2023, 6, 483–491;	05/01/2023	yes	https://doi.org/10.3390/heritage6010025

Title	Authors/HYPERION partners	Title of journal	Publication date	Open Access	DOI/available electronically at (link)
Deterioration Effects on Bricks Masonry in the Venice Lagoon Cultural Heritage: Study of the Main Façade of the Santa Maria dei Servi Church (14th Century);	Coletti, Chiara; Cesareo, Ludovica Pia; Nava, Jacopo; Germinario, Luigi; Maritan, Lara; Massironi, Matteo; Mazzoli, Claudio;	Heritage2023,6, 1277–129;	29/01/2023	yes	https://doi.org/10.3390/heritage6020070
Optimal placement of coupling elements of RC shear walls using endurance time method;	Ali Kheyroddin a, Reza Arabsarhangi a, Amirhosein Shabani b, Mahdi Kioumarsi;	ELSEVIER Procedia Structural Integrity Volume 42, 2022, Pages 210-217;	01/2023	yes	https://doi.org/10.1016/j.prostr.2022.12.026
Optimal sensor placement techniques for modal identification of historical masonry structures;	Amirhosein Shabani, Mahdi Kioumarsi;	ELSEVIER Procedia Structural Integrity Volume 42, 2022, Pages 147-154;	01/2023	Yes	https://doi.org/10.1016/j.prostr.2022.12.018
Bayesian structural parameter identification from ambient vibration in cultural heritage buildings: The case of the San Jerónimo monastery in Granada, Spain;	Enrique Hernández-Montes, María L. Jalón, Rubén Rodríguez Romero c, Juan Chiachío, Víctor Compán-Cardiel, Luisa María Gil-Martín;	ELSEVIER Engineering Structures Volume 284, 115924;	20/03/ 2023	yes	https://doi.org/10.1016/j.engstruct.2023.115924
The Relationship between Concrete Strength and Classes of Resistance against Corrosion Induced by Carbonation: A Proposal for the Design of Extremely Durable Structures in Accordance with Eurocode 2;	Luisa María Gil-Martín, Luisa Hdz-Gil, Emilio Molero and Enrique Hernández-Montes;	Sustainability (2023), 15(10), 7976, MDPI;	10/05/2023	yes	https://doi.org/10.3390/su15107976
Mapping of stones and their deterioration forms: the Clock Tower, Venice (Italy);	Rebecca Piovesan, Elena Tesser, Lara Maritan, Gloria Zaccariello, Claudio Mazzoli, Fabrizio Antonelli;	Heritage Science;	16/05/2023	yes	https://doi.org/10.1186/s40494-023-00909-4

3.1.2 Publications in Conferences

HYPERION's results were disseminated in a variety of Conferences via scientific publications. Since month 48, HYPERION had published 37 papers & abstracts in Conferences' proceedings.

TABLE 4: LIST OF HYPERION'S CONFERENCE PUBLICATIONS

Date	Event	Location	Title	Authors
5 September 2019	4ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής Τεχνικής Σεισμολογίας;	Athens, Greece	Εμπειρική Σχέση για την Πρόβλεψη Αστοχίας Λόγω Λυγισμού Υπόγειων Αγωγών υπό Ανάστροφη Διάρρηξη;	Melissianos Vasileios E., Vamvatsikos Dimitrios, Gantes Charis;
5 September 2019	4ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής Τεχνικής Σεισμολογίας;	Athens, Greece	Εμπειρική Σχέση για την Πρόβλεψη Αστοχίας Λόγω Λυγισμού Υπόγειων Αγωγών υπό Ανάστροφη Διάρρηξη;	Melissianos Vasileios E., Vamvatsikos Dimitrios, Gantes Charis;
11-13 November 2019	8th International Conference on Seismology & Earthquake Engineering;	Tehran, Iran	Decision Support, Resilience and Sustainable Reconstruction of Historical City Cores under Seismic Threat: The HYPERION approach;	Dimitrios Vamvatsikos,, Paolo Bazzurro;
5-6 May 2020	ADAPT, Nothern Heritage Conference;	virtual	HYPERION: A decision Support System for Improved Resilience and sustainable Reconstruction of historic areas;	Antonis Kalis, Ari Karppinen, John Zeppos, Vagelis Plevris, Dimitris Vamvatsikos, Stephanos Camarinopoulos, Claudio Mazzoli, Enrique Hernández Montes, Nicolas Moussiopoulos, Pantelis Nicolaou, Fabrizio Antonelli, Panagiotis Yannakopoulos, Ettore Fagà;
5-6 May 2020	ADAPT, Nothern Heritage Conference;	virtual	Hygrothermal performance of an old building with log walls from the region of Vestfold in Norway;	Petros Choidis, Dimitrios Kraniotis;
6-9 September 2020	12th Nordic Symposium on Building Physics (NSB 2020);	Tallinn, Estonia	Hygrothermal performance of log walls in a building of 18th century and prediction of climate change impact on biological deterioration;	Petros Choidis, Katerina Tsikaloudaki, and Dimitrios Kraniotis;
13-18 September 2020	17 th World Conference on Earthquake Engineering, 17WCEE;	Sendai, Japan	Seismic risk assessment of the ancient temple of Aphaia in Greece;	V.E. Melissianos, M.-E. Dasiou, D. Vamvatsikos;
13-18 September 2020	17 th World Conference on Earthquake Engineering, 17WCEE;	Sendai, Japan	ATTRIBUTE-DRIVEN FRAGILITY CURVES THROUGH CLASS DISAGGREGATION;	A.K. Kazantzi, D. Vamvatsikos;
23–26 November 2020	EURODYN 2020 XI International Conference on Structural Dynamics;	Athens, Greece	SIMPLIFIED ESTIMATION OF DESIGN FAULT DISPLACEMENT FOR BURIED PIPELINES AT FAULT CROSSING;	Vasileios E. Melissianos, and Dimitrios Vamvatsikos;
16-18 September 2020	12th International Conference on Structural Analysis of Historical Constructions SAHC 2020;	Barcelona, Spain	A Preliminary Structural Survey of Heritage Timber Log Houses in Tonsberg, Norway;	Amirhosein Shabani, Haidar Hosamo, Vagelis Plevris, and Mahdi Kioumarsi;

Date	Event	Location	Title	Authors
2-4 June 2021	9th Turkish Conference on Earthquake Engineering, 2021;	Istanbul, Turkey	A Dürüm Döner View of Seismic Risk Assessment;	Dimitrios Vamvatsikos;
5 June 2021	Japan Geoscience Union Meeting 2021 JpGU21;	online	HYPERION: understanding and quantifying the effects of climate change on cultural heritage;	Chiara Coletti, Luigi Germinario, Antonio Galgaro, Lara Maritan, Matteo Massironi, Jacopo Nava, Raffaele Sassi, Claudio Mazzoli Rebecca Piovesan, Elena Tesser, Fabrizio Antonelli, Renzo Bertoncello;
19 - 23 September 2021	31st European Safety and Reliability Conference (ESREL 2021);	Angers, France	Updating structural FE models of cultural heritage assets based on probabilistic tools;	María L., Jalón, Juan, Chiachío Luisa Mª, Gil-Martín Manuel, Chiachío Rubén, Rodríguez-Romero Víctor, Compán-Cardiel, Enrique, Hernández-Montes
27 September - 2 October 2021	17th World Conference on Earthquake Engineering, 17WCEE;	Sendai, Japan	A comparative study on the initial in-plane stiffness of Masonry walls with opening;	Amirhosein Shabani, Vagelis Plevris, Mahdi Kioumarsi;
3 October 2021	ICSEA 2021: The Sixteenth International Conference on Software Engineering Advances;	Barcelona, Spain	A Communities Engagement Tool for Assessing the Resilience and Deterioration of Cultural Heritage Sites;	Nikolaos Tousert, Antonis Kalis Maria Krommyda, Nikos Frangakis, Spyridon Nektarios Bolierakis, Angelos Amditis;
25-27 October 2021	4th International Conference on Protection of Historical Constructions, PROHITECH 2021: Protection of Historical Constructions;	Athens	Structural Model Updating of a Historical Stone Masonry Tower in Tønsberg, Norway;	Amirhosein Shabani, Agon Ademi, Mahdi Kioumarsi;
30 August - 1 September 2021	ICSI 2021 The 4th International Conference on Structural Integrity;	Online	3D simulation models for developing digital twins of heritage structures: challenges and strategies;	Amirhosein Shabani, Margarita Skamantzari, Sevasti Tapinaki, Andreas Georgopoulos, Vagelis Plevris, Mahdi Kioumarsi;
22–27 & 29 May – June 3 2022	Japan Geoscience Union Meeting 2022	hybrid	Deterioration effects on bricks masonry in the Venice lagoon cultural heritage. Study of the main façade of the Santa Maria dei Servi Church (XIV century)	C. Coletti, Jacopo Nava, Ludovica Pia Cesareo, Lara Maritan, Matteo Massironi, Claudio Mazzoli
23-27 May 2022	EGU General Assembly 2022;	hybrid, Vienna	Bridging urban development, resilience planning, and heritage management for Climate Neutral and Resilient Historic Urban Districts;	Ioannis Karaseitanidis, Antonis Kalis, Aitziber Egusquiza Ortega, Katharina Milde;
23-27 May 2022	EGU General Assembly 2022;	hybrid, Vienna	Developing a new method for long-term monitoring of the weathering of historical building materials;	L. Germinario, C. Coletti, P.Choidis, Dimitrios Kraniotis, Lara Maritan, Raffaele Sassi, Laura Tositti, Claudio Mazzoli;
23-27 May 2022	EGU General Assembly 2022;	hybrid, Vienna	A Communities Engagement Mobile Application for Assessing the Resilience and Deterioration of Cultural Heritage Monuments;	Maria Krommyda, Nikos Mitro, Katerina Georgiou, Vassillis Nousis, and Angelos Amditis;
5-9 June 2022	The 8th European Congress on Computational Methods in Applied Sciences and Engineering ECCOMAS Congress 2022;	Oslo, Norway	Pros and cons of various equivalent frame models for nonlinear analysis of URM buildings;	A. Shabani, and M. Kioumarsi;
5-9 June 2022	The 8th European Congress on Computational Methods in Applied Sciences and	Oslo, Norway	Vulnerability assessment of cultural heritage structures;	M. Kioumarsi, V. Plevris and A. Shabani;

Date	Event	Location	Title	Authors
	Engineering ECCOMAS Congress 2022;			
29 June – July 2022	AIAr 2022;	Padova, Italy	Mapping stones and deterioration morphologies distribution at the Torre dell' Orologio (St. Mark square – Venice) in the frame of the Hyperion EU project;	Rebecca Piovesan, Elena Tesser, Lara Maritan, Gloria Zaccariello, Claudio Mazzoli & Fabrizio Antonelli
29 June – July 2022	AIAr 2022;	Padova, Italy	Assessing climate change risk to cultural assets by monitoring and quantifying the decay of heritage materials and its environmental constraints;	Luigi Germinario, Chiara Coletti, Fabrizio Antonelli, Petros Choidis, Dimitrios Kraniotis, Lara Maritan, Rebecca Piovesan, Raffaele Sassi, Elena Tesser, Laura Tositti & Claudio Mazzoli;
29 June – July, 2022	AIAr 2022;	Padova, Italy	Decay assessment and 3D surface modelling of historical brick masonries in Venice;	Chiara Coletti, Luigi Germinario, Enrique Hernández Montes, Luisa María Gil-Martín Lara Maritan, Jacopo Nava, Matteo Massironi, Simone Dilaria, Gianmario Guidarelli, Stefano Castelli & Claudio Mazzoli;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure, ICONHIC 2022;	Athens	Modular modeling and risk assessment of power transmission lines under extreme weather hazards;	Gerontati Angeliki; Bilionis V. Dimitrios, Vamvatsikos Dimitrios; Tibolt Mike;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure, ICONHIC 2022;	Athens	Normalized response distribution expressions for ground-supported rigid rocking bodies;	Athanasia K. Kazantzi, Christos G. Lachanas,, Dimitrios Vamvatsikos;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure, ICONHIC 2022;	Athens	The HAPI sensor-aware framework for infrastructure risk and resilience assessment;	Dimitrios Vamvatsikos, Akrivi Chatzidaki;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure;	Athens	Simplified Seismic Risk Assessment for the Water Supply Network of Rhodes, Greece;	Karaferi Evdoxia; Melissianos E. Vasileios; Vamvatsikos Dimitrios;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure, ICONHIC 2022;	Athens	Performance-based assessment of a steel lattice power-transmission tower: A case study in Germany;	Bilionis V. Dimitrios; Vlachakis Konstantinos; Bezas Marios-Zois; Tibolt Mike; Vamvatsikos Dimitrios; Vayas Ioannis;
5 July 2022	3rd International Conference on Natural Hazards & Infrastructure, ICONHIC 2022;	Athens	An integrated model for the seismic risk assessment of an oil refinery	Melissianos E. Vasileios; Karaferis D. Nikolaos; Kazantzi K. Athanasia; Konstantinos Bakalis; Vamvatsikos Dimitrios
September 2022	3rd European Conference on Earthquake Engineering and Seismology (3ECEES);	Bucharest, Romania	A preliminary urban seismic risk model for the City of Rhodes Greece;	Karaferi Evdoxia, Melissianos Vasileios Vamvatsikos Dimitrios;
September 2022	3rd European Conference on Earthquake Engineering and Seismology (3ECEES);	Bucharest, Romania	Tomb raiders of the lost accelerogram: A fresh look on a stale problem;	Dimitrios Vamvatsikos, Christos G. Lachanas;
19-21 September 2022	SGI-SIMP 2022 Meeting;	Torino, Italy	Stone recession in cultural heritage investigated by laboratory ageing tests;	Mazzoli C., Salvini S., Coletti C. Germinario L., Maritan L., Massironi M., Pozzobon R.;
20-22 October 2022	5ο Πανελλήνιο Συνέδριο Αντισεισμικής Μηχανικής Τεχνικής Σεισμολογίας;	Athens, Greece	Κανονιστική Προσέγγιση Υπολογισμού της Μετακίνησης Σεισμικού Ρήγματος για τον Αντισεισμικό Σχεδιασμό Υπόγειων Αγωγών;	Melissianos Vasileios E.; Vamvatsikos Dimitrios; Danciu Laurentiu; Basili Roberto;

Date	Event	Location	Title	Authors
22-26 May 2023	39th International Technical Meeting On Air Pollution Modeling And Its Application (ITM 2023);	Chapel Hill, North Carolina, U.S.A	Dynamic Data Assimilation of meteorological and climate data from sensors;	Eleftherios Chourdakis, George Tsegas, Fotios Barmpas and Nicolas Moussiopoulos;

3.1.3 Other Scientific Publications

HYPERION's results have been included as a chapter in the book "Protection of Historical Constructions". The Conference presentation "Structural Model Updating a Historical Stone Masonry Tower in Tønsberg, Norway" by Amirhosein Shabani, Agon Ademi, Mahdi Kioumarsi was included in the book "Protection of Historical Constructions", which is part of the Lecture Notes in Civil Engineering book series (LNCE, volume 209). pp. 576-585 by Springer-Verlag (https://doi.org/10.1007/978-3-030-90788-4_45) on December 04, 2021. The above-mentioned content was at first presented at the conference "PROHITECH 2021" under the same title. The book chapter can be reviewed here.

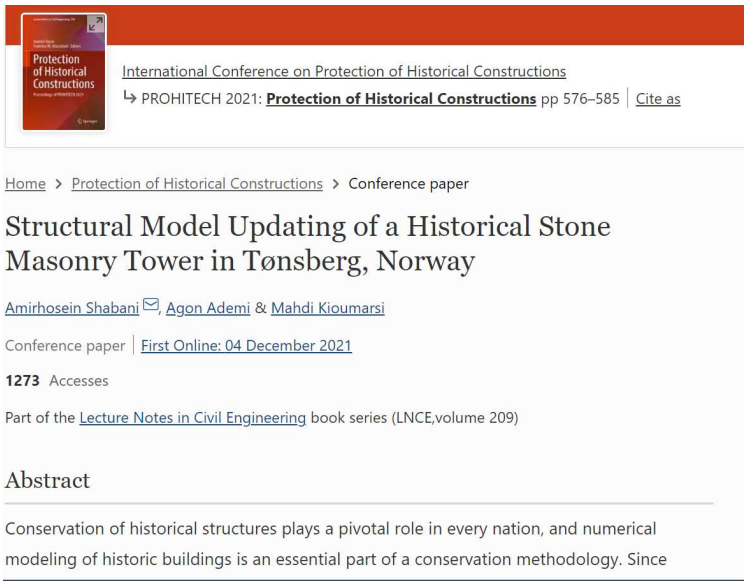
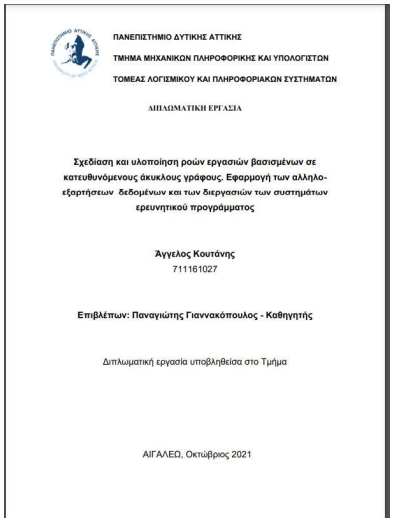


FIGURE 75: PUBLICATION IN BOOK "PROTECTION OF HISTORICAL CONSTRUCTIONS"

Moreover, one M.Sc. thesis under the title «Design and Implementation of DAG-based workflows. Application of the interdependencies according to the existing data and tasks for an H2020 project» included an extended reference to HYPERION project. The M.Sc. student Angelos Koutanis under the supervision of Prof. Panayotis Yannakopoulos reviewed the field of Data Engineering to implement a data pipeline for the Hyperion Community Engagement Tool. The thesis was presented at the University of West Attica in October 2021 and it can accessed here.



ΠΑΝΕΠΙΣΤΗΜΙΟ ΔΥΤΙΚΗΣ ΑΤΤΙΚΗΣ

ΤΜΗΜΑ ΜΗΧΑΝΙΚΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΥΠΟΛΟΓΙΣΤΩΝ

ΤΟΜΕΑΣ ΛΟΓΙΣΜΙΚΟΥ ΚΑΙ ΠΛΗΡΟΦΟΡΙΑΚΩΝ ΣΥΣΤΗΜΑΤΩΝ

ΔΙΠΛΩΜΑΤΙΚΗ ΕΡΓΑΣΙΑ

Σχεδίαση και υλοποίηση ροών εργασιών βασισμένων σε κατευθυνόμενους άκυκλους γράφους. Εφαρμογή των αλληλο-εξαρτήσεων δεδομένων και των διεργασιών των συστημάτων ερευνητικού προγράμματος

Άγγελος Κουτάνης
711161027

Επιβλέπων: Παναγιώτης Γιαννακόπουλος - Καθηγητής

Διπλωματική εργασία υποβληθείσα στο Τμήμα

ΑΙΓΑΛΕΩ, Οκτώβριος 2021

FIGURE 76: M.SC. THESIS WITH AN EXTENDED REFERENCE TO HYPERION PROJECT

Last but not least, HYPERION Project was also presented in the proceedings of the round table Three Key Questions on Culture, Cultural Heritage and Climate Change, organised by the Fondazione Scuola dei beni e delle attività culturali in January 2022. The results of the proceedings can be found here.

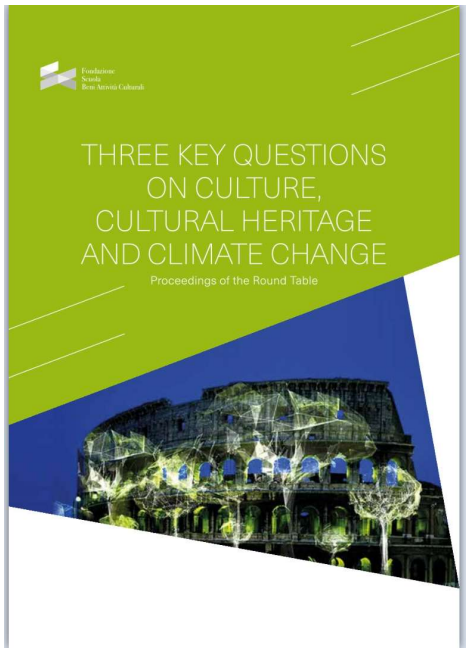


FIGURE 77: PUBLICATION OF HYPERION PROJECT

3.2 Participation in events, conferences, weminars and workshops

Until M48 HYPERION project has been presented via the participation of consortium partners to the following events:

TABLE 5: LIST OF PRESENTATIONS OF HYPERION PROJECT IN EVENTS, CONFERENCES, WEBINARS & WORKSHOPS

Date	Event	Location	Title	Involved partners (not all from HYPERION)	Link for more information
2019	University Lecture	Online	Lecture about HYPERION to the students from the School of History & Archaeology of the Aristotle University of Thessaloniki (AUTH);	Dr. Angelos Amditis;	https://www.hyperion-project.eu/lecture-about-hyperion-to-the-students-from-the-school-of-history-archaeology-of-the-aristotle-university-of-thessaloniki-auth/
5-6 May 2020	ADAPT, Nothern Heritage Conference;	Virtually	HYPERION: A decision Support System for Improved Resilience and sustainable Reconstruction of historic areas;	Antonis Kalis, Ari Karppinen, John Zeppos, Vagelis Plevris, Dimitris Vamvatsikos, Stephanos Camarinopoulos, Claudio Mazzoli, Enrique Hernández Montes, Nicolas Moussiopoulos, Pantelis Nicolaou, Fabrizio Antonelli, Panagiotis Yannakopoulos, Ettore Fagà;	https://www.hyperion-project.eu/wp-content/uploads/2022/01/ANHConf2020_presentation-HYPERION.pdf
5-6 May 2020	ADAPT, Nothern Heritage Conference;	Virtually	Hygrothermal performance of an old building with log walls from the region of Vestfold in Norway;	Petros Choidis, Dimitrios Kraniotis;	https://www.facebook.com/watch/live/?ref=watch_permalink&v=687154092061690
16 September 2020	Open Festival "open Festival called "Drones for Good"	Venice	Presentation about HYPERION	Matteo Massironi, Jacopo Nava ;	https://www.hyperion-project.eu/university-of-padova-dissemination-actvities/ https://docs.google.com/forms/d/e/1FAIpQLSdp0nZoGqyFA_ExTBHENnOZhTTSfGSRLVXq92GHUo6E3biJ8A/viewform
16-18 September 2020	12th International Conference on Structural Analysis of Historical Constructions SAHC 2020;	Barcelona	A Preliminary Structural Survey of Heritage Timber Log Houses in Tornsberg, Norway;	AMIRHOSEIN SHABANI, HAIDAR HOSAMO, VAGELIS PLEVRIS, AND MAHDI KIOUMARSI;	https://www.youtube.com/watch?v=j4oI88QNyPw
27 October 2020	Roundtable International transfer of technologies: Semantic transformation of space"	Athens , Moscow & Virtually	Presentation about HYPERION	Angelos Amditis;	https://www.hyperion-project.eu/round-tavle-hybrid-meeting/
25 Nov 2020	Workshop	Venice	Characterization of the building materials of the main facade of Santa Maria dei Servi Church and the secondary phases products;	Claudio Mazolli, Chiara Coletti;	https://www.hyperion-project.eu/wp-content/uploads/2022/02/HYPERION_Annual_Magazine_v5.pdf (p.7)

30 May – 6 June 2021	Japan Geoscience Union Meeting;	Online	HYPERION: understanding and quantifying the effects of climate change on cultural heritage;	Chiara Coletti, Luigi Germinario, Fabrizio Antonelli, Renzo Bertoncello, Antonio Galgaro, Lara Maritan, Matteo Massironi, Jacopo Nava, Rebecca Piovesan, Raffaele Sassi, Elena Tesser, Claudio Mazzoli;	https://www.hyperion-project.eu/wp-content/uploads/2022/10/2021_08_Abstract_2021_JPU.pdf
5-7 July 2022	3rd International Conference on Natural Hazards & Infrastructure	Athens	Multi-Hazard & Resilience Assessment: Novel Applications to Networks and Systems of Assets	Dimitrios Vamvatsikos, Dr. Athanasia Kazantzi, Dr. Konstantinos Bakalis, Dr. Vasileios Melissianos ;	https://iconhic.com/2021/session/multi-hazard-risk-resilience-assessment-novel-applications-to-networks-and-systems-of-assets/
30 August – 2 September 2021	4th International Conference on Structural Integrity;	Virtually	3D simulation models for developing digital twins of heritage structures: challenges and strategies;	A. Shabani, M. Skamantzari, S.Tapinaki et al.;	https://www.youtube.com/watch?v=B_HwNFA0gwk
27 September - 2 October 2021	17th World Conference on Earthquake Engineering;	Sendai	A Comparative study on the Initiali IN-PLANE Stifness of Masonry walls with openings;	Amirhosein Shabani, Vagelis Plevris, Mahdi Kioumarsi;	https://www.hyperion-project.eu/wp-content/uploads/2022/01/WCEEC004540.pdf
25-27 October 2021	4th International Conference on Protection of Historical Constructions, PROHITECH 2021: Protection of Historical Constructions;	Athens	Structural Model Updating of a Historical Stone Masonry Tower in Tønsberg, Norway	Amirhosein Sabani, Agon Ademi, Mahdi Kioumarsi;	https://www.hyperion-project.eu/wp-content/uploads/2022/01/Structural-Model-Updating-of-a-Historical-Stone-Masonry.pdf
9 November 2021	Event LA CONSERVAZIONE DEI BENI CULTURALI TRA CAMBIAMENTI CLIMATICI E INQUINAMENTO ATMOSFERICO	Venice	HYPERION (EU H-2020). Cambiamenti climatici, eventi estremi e resilienza di aree storico monumentali: il caso studio della Torre dell'Orologio di Venezi;	Rebecca Piovesan, Elena Tesser, Fabrizio Antonelli;	https://www.hyperion-project.eu/wp-content/uploads/2022/01/HYPERION.-Cambiamenti-climatici_v2-PANOS.pdf
6 April 2022	Peer Learning Workshop	Virtually	HYPERION- The Venice Pilot Case;	Claudio Mazolli;	https://www.hyperion-project.eu/wp-content/uploads/2023/05/HYPERION-Venice-pilot-case-3.pdf
6 April 2022	Peer Learning Workshop	Virtually	Norwegian Pilot Area;	Mahdi Kioumarsi, Amirhosein Shabani;	https://www.hyperion-project.eu/wp-content/uploads/2023/05/HYPERION_OsloMet_Norway-1.pdf
23-27 May 2022	EGU General Assembly 2022;	Vienna & Virtually	Bridging urban development, resilience planning, and heritage management for Climate Neutral and Resilient Historic Urban Districts;	Antonis Kalis;	https://www.hyperion-project.eu/wp-content/uploads/2022/10/2022_11_EGU-ICCS-HYPERION-AK-V2.pdf

23-27 May 2022	EGU General Assembly 2022;	Vienna & Virtually	Developing a new method for long-term monitoring of the weathering of historical building materials;	Germinario L., Coletti C., Choidis P., Kraniotis D., Maritan L., Sassi R., Tositti L., Mazzoli C.;	https://www.hyperion-project.eu/wp-content/uploads/2022/10/2022_10_Germinario-et-al.-2022.-EGU22.pdf
23-27 May 2022	EGU General Assembly 2022;	Vienna & Virtually	A Communities Engagement Mobile Application for Assessing the Resilience and Deterioration of Cultural Heritage Monuments;	Maria Krommyda, Nikos Mitro, Katerina Georgiou, Vassillis Nousis, and Angelos Amditis;	https://www.hyperion-project.eu/wp-content/uploads/2022/10/2022_12_EGU_A-Communities-Engagement-Mobile-Application-for-Assessing-the-Resilience.pdf
10 October 2022	20th European Week of Regions and Cities;	Virtually	Tools for impoved Resilience of Historic Areas;	Antonis Kalis;	https://eu.app.swapcard.com/event/euregionsweek-2022/planning/UGxhbm5pbmdfOTYwNjc3
6 December 2022	ERASMUS+/ICM INTERNATIONAL WEEK;	Athens	HYPERION platform & recent results;	Antonis Kalis;	https://www.hyperion-project.eu/hyperion-presented-at-the-erasmus-icm-international-week/
22 March 2023	TMM_CH 2023 International Conference;	Athens	HYPERION's project results and latest achievements;	Angelos Amditis;	https://www.hyperion-project.eu/hyperion-at-the-tmm-ch-2023/
23 April 2023	EGU General Assembly 2023;	Vienna & virtually	Organization of a Session: Cultural heritage and the environment: interaction, vulnerability, past and future changes	Luigi Germinario, Alessandra Bonazza, Antonis Kalis, and Beatriz Menéndez;	https://www.hyperion-project.eu/hyperion-organized-a-session-at-the-egu-general-assembly-2023/
27-28 April 2023	SHELTER Final Event;	Venice	SHELTER Final Conference Venice	Rebecca Piovesan;	https://shelter-project.com/news/40/shelter-final-conference/

FIGURE 78: INDICATIVE PRESENTATIONS OF HYPERION IN EVENTS & CONFERENCES

3.2.1 WP leader meetings

Regular meetings were held monthly online according to the staff availability with the WP Leaders (monthly program was respected even in summer). The project manager was launching a doodle survey and according to it, the date and time were fixed. During the key priority meeting, as all work package leaders' meetings, partners were acquiring information and exchanging technical suggestions while briefing the partners for the implemented and upcoming tasks and activities.

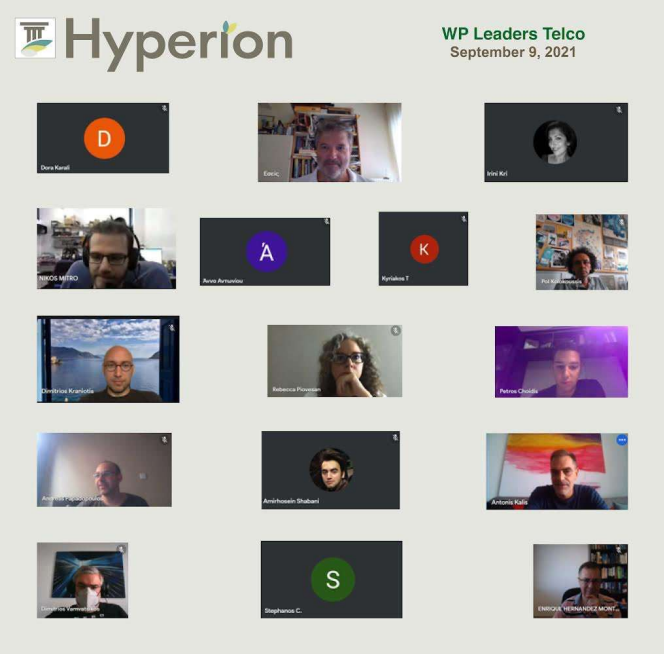


FIGURE 79: SCREENSHOT FROM HYPERION'S WP LEADERS TELCO, SEPTEMBER 2021

3.2.2 Other Physical meetings

Regular dissemination and communication events aimed at increasing awareness about HYPERION, showcasing project achievements and fostering the meeting of the HYPERION community with stakeholders. Such events were collocated with major conferences and symposia, and were planned according to favourable opportunities.

Also, the site activities are disseminated via our Social media accounts:

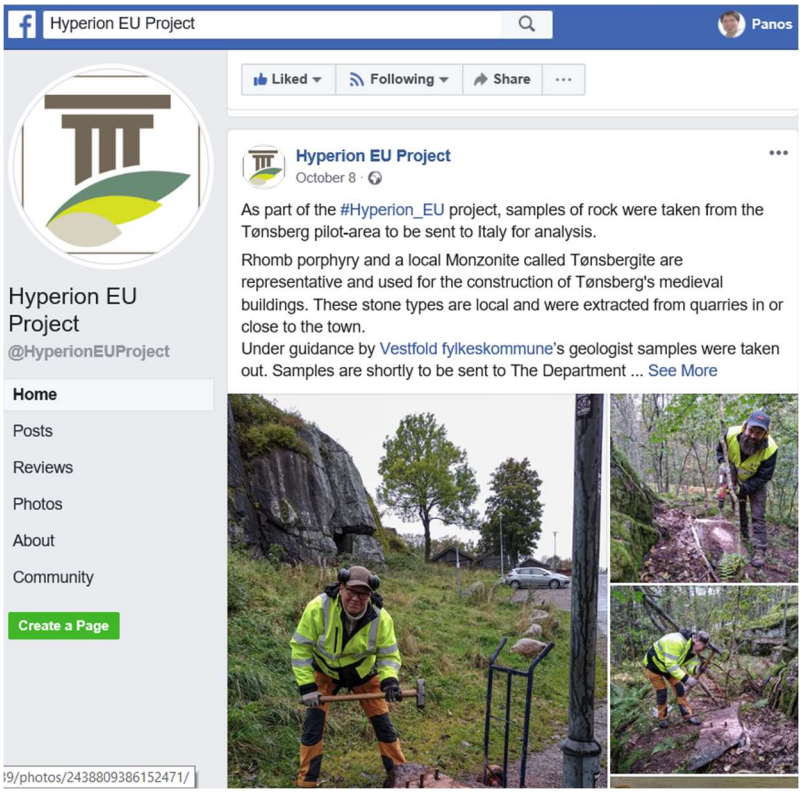


FIGURE 80: HYPERION'S ACTIVITIES CARRIED OUT IN NORWAY (SCREENSHOT FROM THE FACEBOOK ACCOUNT)

FIGURE 81: HYPERION'S PLENARY MEETING IN OSLO, JUNE 2022

TABLE 6: INDICATIVE LIST OF HYPERION'S MOST IMPORTANT MEETINGS

Meeting	Communication type	Place	Date	Purpose
Kick off Meeting	Face to face	Athens, Greece	04-05/06/2019	Fine-tuning of the work plan and approach. Information sharing about practical issues and familiarisation to consortium members.
1st Plenary meeting	Face to face	Rhodes, Greece	23-24/10/2019	All WP leaders presented an overview of the work performed since the KoM, the upcoming deliverables/milestones, the challenges/problems that they face and presented a detailed 6 months plan.
Architecture meeting	Face to face	Athens, Greece	26/11/2019	Partners from ICCS, CyRIC, RISA and NTUA met to discuss the architecture of HYPERION's Holistic Resilience Assessment Platform (HRAP) and decide on the system's functionalities and components.
2nd Plenary meeting & internal workshops	Teleconference	-	22-23/04/2020	All WP leaders presented an overview of the work performed since the previous plenary meetings, the upcoming deliverables/milestones, the challenges/problems that they face and presented a detailed 6 months' work plan. Moreover, 3 workshops also took place, regarding the HRAP architecture, WP3, WP10 and HYPERION's pilot sites.
3rd Plenary meeting	Teleconference	-	10-11/11/2020	All WP leaders presented the research work implemented during the project and the and the challenges they faced due to COVID-19.
1st Project Review Meeting	Teleconference	-	04/03/2021	All WP leaders presented the research work implemented during the project in the 1st reporting period and the challenges they faced due to COVID-19.
4th Plenary Meeting	Teleconference	-	07/07/2021	All Work Packages were thoroughly presented while a plan with the upcoming workshops and pilot site visits was set up.
5th Plenary Meeting	Teleconference	-	25/11/2021	All WP leaders presented the research work implemented during the project in the 1st reporting period and the challenges they faced due to COVID-19.
6th Plenary Meeting	Face to face	Oslo, Norway	14-17/06/2022	All Work Packages were thoroughly presented while a plan with the upcoming

Meeting	Communication type	Place	Date	Purpose
				workshops and pilot site visits was set up.
2nd Project Review Meeting	Teleconference	-	26/10/2022	All WP leaders presented the research work implemented during the project for the 2nd reporting period.
7th Plenary Meeting & internal workshops	Face to face	Granada, Spain	9-10/11/ 2022	Information exchange and networking within consortium, addressing of cross-WP technical issues. Discussions about detailed issues in WPs.
Final Demonstration & Training Event	Face to face	Venice, Italy	20/04/2023	All project's results and key findings were presented in detail for the 1st time in the public.
Exploitation Consensus Workshop	Face to face	Venice, Italy	20/04/2023	During HYPERION's Final Event an exploitation consensus workshop was organized with unique goal to gather stakeholders' feedback on the HRAP platform & assess HYPERION's designed exploitation strategies.
8th Plenary Meeting	Face to face	Venice, Italy	19 & 21/04/2023	Information exchange and networking within consortium, addressing of cross-WP technical issues. Discussions about detailed issues in WPs & decisions regarding the upcoming deliverables.
Final Review	TBC	TBC	TBC	All WP leaders will present the research work implemented during the project and the significant results.

3.3 Other dissemination events

1. Presentation of the HYPERION Project for Regional politicians elected for the period 2016-2019 - Main committee for culture, public health, dental health and sports. Tønsberg, 16.09.2019 (Partner: Vestfold Fylkeskommune/Vestfold County);
2. Presentation of the HYPERION Project for Regional politicians elected for the period 2020-2024- Main committee for culture, public health, dental health and sports. Skien, 06.02.2020 (Partner: Vestfold Fylkeskommune/Vestfold County);
3. HYPERION's video "Safeguarding Cultural Heritage in Rhodes" produced by Eurisy, was selected as one of the three finalist films under the "Community" category at the UNESCO Earth Futures Festival 2022. There were 972 submissions from 89 countries;
4. On the 11-12 of June 2022, HYPERION participated in the New European Bauhaus Festival in Brussels. – The project showcased its innovative tools in a mobile fair that hosts local citizen labs, pioneering research, innovative prototypes, and proposals. The mobile exhibition travelled through the center of Brussels on e-bikes and electric tuk-tuks to the sound of a live DJ set. The festival aimed to marry science and technology with art and culture to approach the significant challenges of the 21st century in an inclusive, sustainable way;

5. HYPERION participated at the 3rd International Conference on Natural Hazards & Infrastructure on the 5-7 July 2022, organizing a special session entitled “Multi-Hazard Risk & Resilience Assessment: Novel Applications to Networks and Systems of Assets”;
6. On the 27th of November 2020, Dr. Angelos Amditis participated in the European Researchers’ Night event organized by National and Technical University of Athens. During the event, Dr. Amditis introduced HYPERION’s objectives and vision to the General Public. More information can be found here;
7. On November 30th, 2021, HYPERION was awarded with the Laureate 1st at the International Environmental Competition EcoWorld-2021, organised by the Russian Academy of Natural Sciences (RAEN). HYPERION project was a candidate among other 103 proposals and received the award for its significant research contribution on the international ecological and architectural impact. The received distinction is a public award for outstanding achievements in environmental protection and environmental safety, as well as in other environmental activities aimed at sustainable development in the 21st century. More information can be found here;
8. On the 30th of September 2022, HYPERION’s recent developments were presented at the European Researchers’ Night in Cyprus. More information can be found here;

3.3.1 Liaisons

HYPERION liaised and collaborated with European Research and Technological Development initiatives, participating in important Working Groups and events, networking and exchanging ideas and knowledge with their members, co-organising special sessions in conferences or boosting joint dissemination activities.

In concrete, HYPERION actively cooperated with the sister EU projects **ARCH** and **SHELTER**. The three projects established the **EU Task Force for Climate Neutral and Resilience Historic Urban Districts** which aimed to co-ordinate EU efforts to make historic and contemporary urban districts climate neutral and strengthen their resilience to the effects of climate change and natural hazards as well as the resilience of the communities depending on those areas. The Task Force has implemented 3 meetings (5 workshops), it has participated in various prominent events (i.e. EU Regions week 2022) and has created a white paper which was disseminated in the EC. The white paper can be downloaded here.

FIGURE 82: EU TASK FORCE FOR CLIMATE NEUTRAL AND RESILIENCE HISTORIC URBAN DISTRICTS WHITE PAPER

All three projects also took part at Horizon Results Booster, organizing various dissemination actions and developing common communication materials. All created materials can be viewed in the following figures and are also available at HYPERION's website here.

Protecting cultural heritage
Saving the past to preserve the future

FIGURE 83: THE COMMON LOGO CREATED DURING HRB PROGRAMME

FIGURE 84: FLYER OF HRB PROGRAMME

FIGURE 85: INFOGRAPHICS OF HRB PROGRAMME

Below, you can find the list of HYPERION's liaisons

TABLE 7:HYPERION'S LIAISONS WITH EUROPEAN PROJECTS

PLUGGY	**PLUGGY addresses the need of the society to be actively involved in cultural heritage activities, not only as an observer, but also as a maintainer, creator and a major influencing factor.**
ARCH SAVING CULTURAL HERITAGE	ARCH is a European-funded research project that aims to better preserve areas of cultural heritage from hazards and risks. The ARCH team with the cities of Bratislava, Camerino, Hamburg and Valencia will co-create tools that will help cities save cultural heritage from the effects of climate change.
shelter	SHELTER aims at developing a data driven and community-based knowledge framework that will bring together the scientific community and heritage managers with the objective of increasing resilience, reducing vulnerability and promoting better and safer reconstruction in Historic Areas.
STORM	Starting from previous research experiences and tangible outcomes, STORM proposes a set of novel predictive models and improved non-invasive and non-destructive methods of survey and diagnosis, for effective prediction of environmental changes and for revealing threats and conditions that could damage cultural heritage sites.

An indicative list of HYPERION's liaison activities can be found below:

TABLE 8: EU TASK FORCE'S MEETINGS & EVENTS

Event	Location / Date	Partners involved	Description
1st EU Task Force Meeting	Virtually 23/06/2021	ICCS	https://shelter-project.com/eu-task-force/
2nd EU Task Force Meeting - Workshop 1	Virtually 14/12/2021	ICCS	https://www.hyperion-project.eu/2270-2/
2nd EU Task Force Meeting - Workshop 2	Virtually 14/12/2021	ICCS	https://www.hyperion-project.eu/2270-2/
2nd EU Task Force Meeting - Workshop 3	Virtually 15/12/2021	ICCS	https://www.hyperion-project.eu/2270-2/
3rd EU Task Force Meeting	Thessaloniki & Virtually 03/06/2022	ICCS	https://www.hyperion-project.eu/3rd-eu-task-force-meeting-for-climate-neutral-and-resilient-historic-urban-districts/
Peer Learning Workshop with Arch & Shelter	Virtually 06/04/ 2022	ICSS	https://www.hyperion-project.eu/hyperion-joined-workshop-with-sister-projects-arch-shelter/ https://www.hyperion-project.eu/wp-content/uploads/2022/09/SHELTER_Infographic_V2.pdf
Presentation of EU Task Force Results & HYPERION's research activities at EU Regions Week 2022	Virtually 12/10/2022	ICCS	https://eu.app.swapcard.com/event/euregionsweek-2022/planning/UGxhbm5pbmdfOTYwNjc3
Demonstration of HYPERION's Results at SHELTER's Final Event	Venice 27-28/04/2023	IUAV	https://www.hyperion-project.eu/hyperion-at-shelters-final-event/ https://shelter-project.com/news/41/eu-horizon-2020-funded-shelter-project-presents-results-at-the-final-conference-in-venice/
Heritage for the Future/Science for Heritage conference	Paris 15-16/03/2022	Sister Projects	https://events.wisembly.com/heritage4future

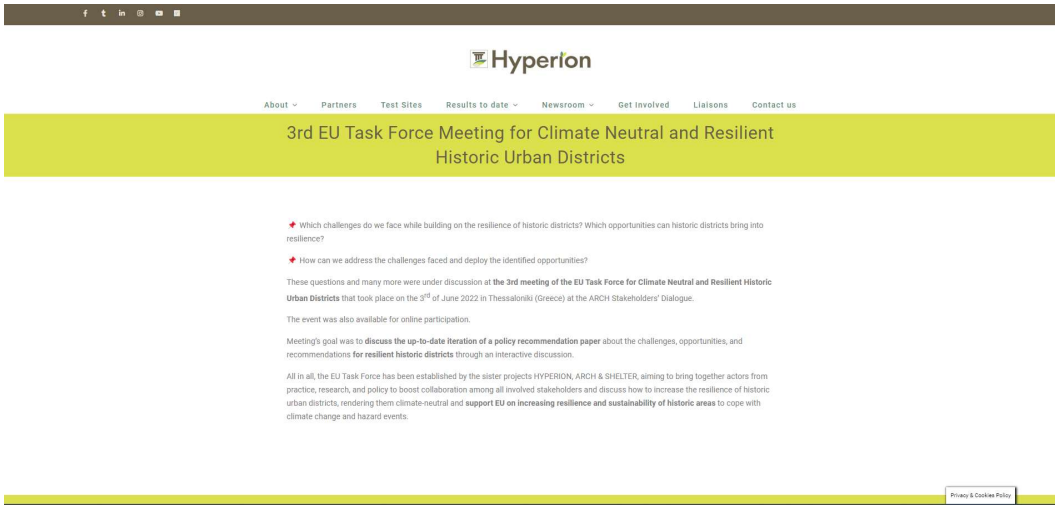


FIGURE 86: INDICATIVE POST IN HYPERION WEBSITE DISSEMINATING THE 3RD EU TASK FORCE'S MEETING

3.3.2 Final Event

A conference was organised on 20th of April 2023 (at the end of the project) to demonstrate to a large number of stakeholders the system developed, and results achieved.

FIGURE 87: HYPERION FINAL EVENT POSTER

The HYPERION Final Event which delt with Cultural Heritage resilience against Climate Change was organized by the City of Venice, the Iuav University of Venice, the University of Padova in collaboration with HYPERION's Coordinator ISENSE Group of the Institute of Communication and Computer Systems (ICCS) of the National Technical University of Athens.

At this key public event, a series of interactive presentations and demonstrations showcased how HYPERION using existing tools and innovative technologies, developed an integrated resilience assessment platform (HRAP), using which, local authorities and cultural heritage managers will be able to have a better understanding of the threats and dangers of tangible Cultural Heritage sites and make decisions for a swifter and more effective response, contributing to the sustainable reorganization of the historical regions under threat.

FIGURE 88: HYPERION FINAL EVENT'S INVITATION

HYPERION launched a registration form in Eventbrite where public could register to participate. A dedicated newsletter was also sent through Mailchimp to all HYPERION's subscribers and social media posts and website announcements were also scheduled. City of Venice disseminated the event through a public press release to local media while Build Up European portal also communicated HYPERION Final Event to its network and through the portal's website. The website announcement can be found here.

A list of Participants in the Final Meeting is available through the Communication Manager.

FIGURE 89: HYPERION FINAL EVENT'S REGISTRATION BANNER IN EVENTBRITE

FIGURE 90: MOMENTS FROM HYPERION'S FINAL MEETING

4 Outline Communications programme

Each activity, demonstration exercise, forum, conference, presentation, attendance at an outreach event, meeting, publication and direct email provided an opportunity to communicate HYPERION products, services and research.

4.1 Branding fundamentals

Our project vision was to leverage existing tools and services, novel technologies to deliver an integrated resilience assessment platform, addressing multi-hazard risk understanding, better preparedness, faster, adapted and efficient response, and sustainable reconstruction of historic areas.

Branding in general is all about consistency. The colours, the vision and the experience that users have with HYPERION project let the project stand out and helped people understand the spirit and the vision of HYPERION. Furthermore, Branding gave credibility and dependability to the project and united the HYPERION partnership.

HYPERION Technologies, Tools and services in Figure bellow underpins the communications program.

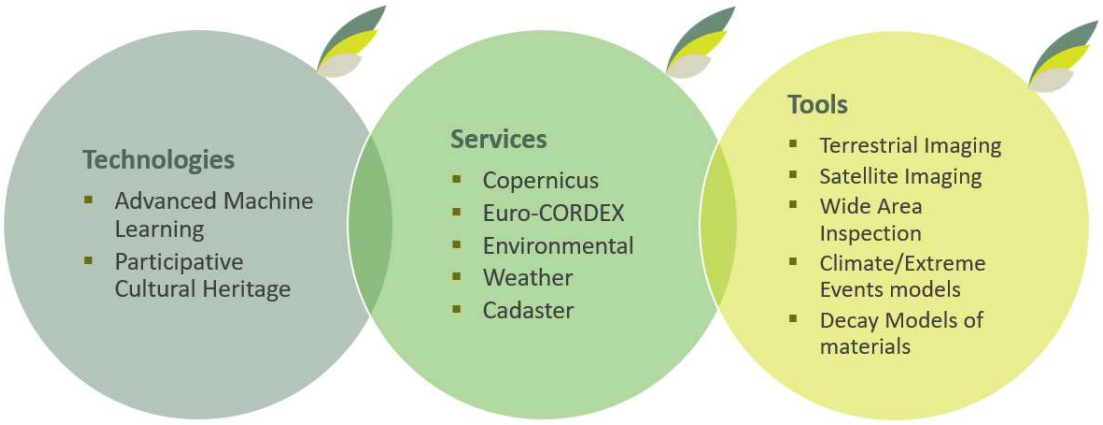


FIGURE 91: HYPERION TECHNOLOGIES, TOOLS AND SERVICES

Branding fundamentals

- Multi Hazard risk Understanding
- Faster, Adapted, efficient response
- Better preparedness

In the framework of Communication and Dissemination all HYPERION activities led to the general vision of the best prepared correspondents & Stakeholders. Bellow the Figure shows the formation of the later general vision through HYPERION activities.

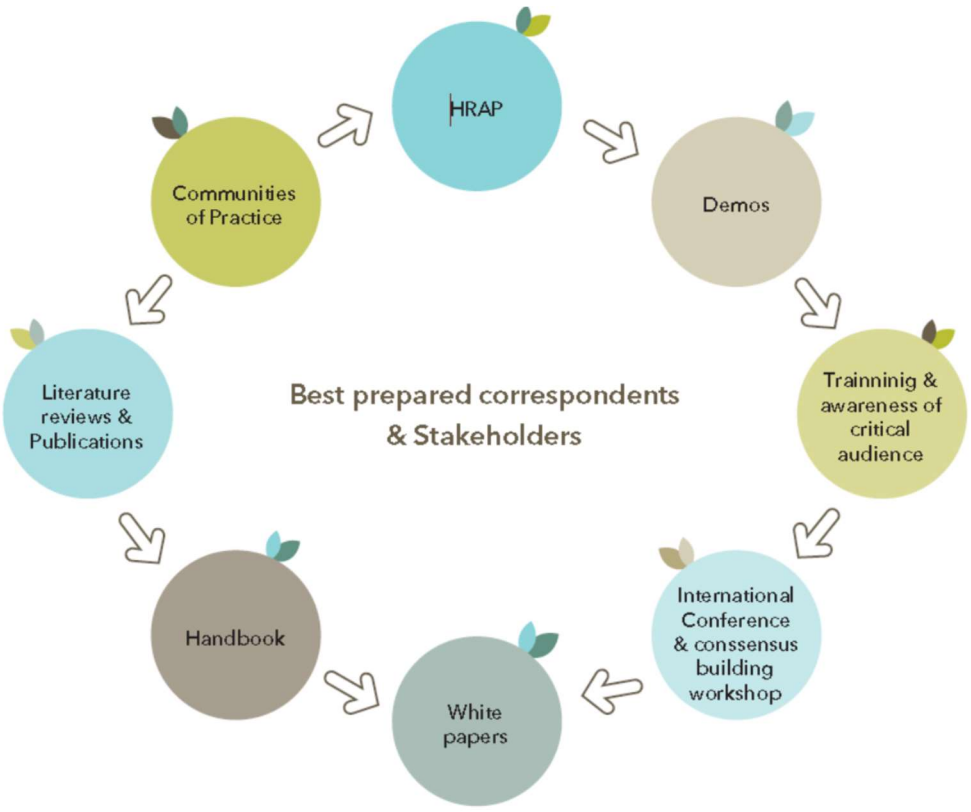


FIGURE 92: HYPERION ACTIVITIES LEAD TO THE GENERAL VISION OF THE BEST PREPARED CORRESPONDENTS & STAKEHOLDERS

4.2 Key Performance Indicators

KPIs for the impact evaluation are documented in detail in D9.7: Dissemination and Communication Plan.

In this section we provide the current status for each of the proposed KPIs.

TABLE 9: IMPACT EVALUATION THROUGH KPIS

Dissemination tools	Parameter	KPIs	May 2023	Comments/Conclusions
Corporate ID & templates	Set of	1	1	HYPERION unique corporate ID and relevant templates were finalised by the end of the 3rd month of the project and was used unchanged in all forms of Communication and Dissemination;
Web visits	Number of visits/year	10,000	53,319 in total (13,330/year)	HYPERION website was visited by a higher number than expected and it will remain active for 5 more years.

Dissemination tools	Parameter	KPIs	May 2023	Comments/Conclusions
Social media	posts/year	minimum 150	900	The number of the posts far exceeded the original goal that was set in the initial planning of the project;
	Facebook members	200	557 followers 534 likes	The number of the followers far exceeded the original goal that was set in the initial planning of the project;
	Twitter Number of followers	200	360	The number of the followers far exceeded the original goal that was set in the initial planning of the project;
	LinkedIn Number of connections	200	321	The number of the followers far exceeded the original goal that was set in the initial planning of the project;
	Research Gate members	200	N/A	On March 31, 2023, ResearchGate retired the Projects feature and removed all projects from the site after their decision to make room for new features that can help you even more in daily research work;
Established relation w/EU projects	Achieved	yes	yes	See §3.3.1;
Leaflets	Number of leaflets	2	5	One general leaflet was created and 4 versions in 4 different languages were developed on its base;
Poster	Poster template	1	3	The general poster template was created and served as the base of a general poster as well as of scientific posters that were prepared for the dissemination of the HYPERION project;
Videos	Number of videos	2	3	One animated video and 2 videos of the pilot site were successfully disseminated; while three more videos were produced disseminating the project's activities;
Newsletter	Issues	7	7	Considering that the structure and design of the newsletter have been early in project's life established, henceforth newsletters were published regularly;
Conference Presentations	Number	10	37	The number of conference presentations far exceeded the original goal that was set in the initial planning of the project;
Peer-reviewed publications	Publications in scientific ISI journals	2	44	The peer reviewed publications overreached the goal that were set in the preparation of the project;
EU dissem. networks & Mass Media	Press releases per year	2	7 in total	Essential news regarding HYPERION were disseminated throughout the project through press releases;
	Media articles in popular and/or specialised media	4	27	The number of the articles far exceeded the original goal that was set in the initial planning of the project;
	Interview on Radio and/or TV;	1	4	4 radio interviews and one TV tribute on HYPERION;
	Participation in	Not defined	2	New European Bauhaus Festival & EU Regions Week 2022; But also organized 3 EU Task Force Meetings;

Dissemination tools	Parameter	KPIs	May 2023	Comments/Conclusions
	prioritised EU events			
Training & Demo events	Online sessions attendees	50	50	The attendees in the online sessions reached the goal;
	Training Events	3	3	European Bauhaus Festival, Training Event in Granada, Training Event in Venice;
	Pilot demonstrations	3	3	Achieved as planned;
	Training package	1	1	Achieved as planned;
Final Event	Participants	80	67	The number of the attendants were higher than the target that was set in the initial planning of the project;
Annual Magazine	Issues per year (starting from the 2nd years)	1	1 (3 in total)	All Annual Magazines were published on time;

5 Conclusions

5.1 Info-Pack's Strengths

Among the strong points of the Info Pack, we would like to highlight our ''multi-channel'' strategy (online, using different platforms and tools, and offline or face-to-face), as well as the combination of a European and specific strategy, based on disseminating the entire project.

HYPERION's website contained updated information that facilitated the dissemination of the latest news and articles. Journal articles, scientific presentations, or other materials, produced during the project, were available online (almost half of our articles are in open access but all of them are included in HYPERION's website), which also contributed to transparency of research. Moreover, all HYPERION's publications and presentations were added at HYPERION's branded community in Zenodo ensuring open access of the project's results.

We also constructed a wide online network community in social media sites. The increase in the use of this kind of social media by members of the academia during the project lifetime helped us to multiply the audience of our articles, presentations, and other materials produced.

In addition, taking into consideration different audiences and stakeholders made it possible to integrate them into the research project. The use of different formats (journal articles, videos, leaflets, etc.) and free online tools (social media) has allowed us to improve the dissemination of our research.

A mainstream press presence and the social media metrics obtained suggest that this material of dissemination was useful for the project.

5.2 Weaknesses of Info Pack

Local dissemination and communication of research is a complex task that involved the creation of a network of partners (graphic designers, journalists, event organizers, etc.). In a European project (which included partners in different countries), this task is even more complex. Coordination of public activities or dissemination of press releases were usually supervised and managed by local institutions (universities and research centers).

In addition, money represents a limitation factor that can determine the actions carried out during the project. A video production can be a relatively time-consuming and expensive way of communicating research results, although, at the same time, it is an excellent way of reaching a massive audience.

5.3 Epilogue

HYPERION project has conducted various dissemination & communication activities and all of them were achieved as planned.

Dissemination and communication of research were considered as an integral part of HYPERION research project. The Info-pack created in the framework of dissemination and communication of HYPERION project helped in increasing the visibility of research outputs, public engagement in science and innovation, and confidence of society in research.

Effective material and activities were vital to ensure that the conducted research has a social, political, or economic impact. They draw attention of investors, governmental bodies and other stakeholders to project's results, improving their visibility, comprehension, and implementation.

In the European project HYPERION, Info Pack was an essential component of the project in order to achieve the purpose of making research findings public.

A strong use of online communication (website, Twitter, LinkedIn, Facebook and Instagram accounts), the production of informative videos, the research partnership with other organizations, and the organization of final concluding scientific event, among other instruments, helped to reach a large public within the scientific community, scientific society, and the policy makers and to influence the public view on the impact of Climate Change and geo-hazards (such as landslides and earthquakes) on historic areas hosting Cultural Heritage sites and monuments.

Annex 1 – List of media and publications where HYPERION appeared

- Press Release |HYPERION: The European digital conservator – It studies, makes assessments and proposes solutions to preserve cultural heritage;
- Press Release | HYPERION: Ο Ευρωπαίος ψηφιακός «συντηρητής» των αρχαιολογικών χώρων και των μνημείων πολιτιστικής κληρονομιάς – Μελετά, αξιολογεί, προτείνει λύσεις για τη διατήρηση του πολιτιστικού πλούτου;
- Press Release |HYPERION EU Project awarded at the International Environmental Competition EcoWorld-2021!;
- Press Release | Καινοτόμες τεχνολογίες για την προστασία της παγκόσμιας πολιτιστικής κληρονομιάς: το βραβευμένο έργο Hyperion στη μεσαιωνική πόλη της Ρόδου;
- Press Release | Skal finne ut hvordan kulturminner kan reddes fra dramatiske klimaendringer;
- Press Release | A Venezia il convegno Hyperion: il progetto europeo per difendere la Torre dell'Orologio in piazza San Marco dagli effetti dei cambiamenti climatici

- April 2023 | HYPERION's Final Event at Build Up platform | View clipping & View online;
- 8 April 2023 | Interview of HYPERION's Coordinator at SKAI Radio | Listen to the interview (00:23:15 – 00:32:31);
- 2 December 2022 | Tribute to HYPERION at the NRK TV (National Norwegian Broadcasting Cooperation) | View video;
- November 2022 | HYPERION at the NRK Radio (National Norwegian Radio Broadcasting Cooperation | Listen to the clipping;
- 29 November 2022 | HYPERION at the NRK TV (National Norwegian Broadcasting Cooperation | View video;
- 17 November 2022 | Skal finne ut hvordan kulturminner kan reddes fra dramatiske klimaendringer |View clipping;
- 11 November 2022 | GranadaHOY - La Universidad de Granada mide el impacto del cambio climático en los monumentos más emblemáticos del mundo | View clipping
- 11 November 2022 | Volver - Hyperion, un proyecto para comprender el impacto del cambio climático sobre los edificios monumentales y su entorno |View clipping
- 18 July 2022 | Europe's Major Tourist Sites Battle Climate Change to Survive | View video;
- 15 July 2022 | Europe's major tourist sites battle climate change to survive | View clipping;
- 15 July 2022 | Europe's Major Tourist Sites Battle Climate Change to Survive | View clipping;
- 21 June 2021 | Improving Heritage Resilience: HYPERION and the Fight Against Climate Change | View clipping;

- 15 May 2022 | "Ασπίδα" στην μεσαιωνική πόλη της Ρόδου Ελεύθερος Τύπος | View clipping;
- 4 April 2022 | Το βραβευμένο έργο Hyperion στη μεσαιωνική πόλη της Ρόδου iNews | View clipping;
- 4 April 2022 | Το βραβευμένο έργο Hyperion στη μεσαιωνική πόλη της Ρόδου Epixeiro | View clipping;
- 4 April 2022 | Καινοτόμες Τεχνολογίες για την προστασία της παγκόσμιας πολιτιστικής κληρονομίας: το βραβευμένο έργο Hyperion στην μεσαιωνική πόλη της Ρόδου Dimokratiki | View clipping;
- 7 April 2022 | Η Τεχνολογία οχυρώνει τα μνημεία Newspaper "Kathimerini" | View press clipping & View online;
- 22 October 2020 | Interview of HYPERION's Coordinator, Dr. Angelos Amditis, ICCS, at the "Voice of Greece" program of the Hellenic Broadcasting Corporation (ERT), an international broadcast addressed to the Greeks of the Diaspora. | Listen to the interview;
- 23 October 2019 | Interview of HYPERION's Coordinator, Dr. Angelos Amditis, ICCS and Senior Researcher, Nikos Frangakis, ICCS, in Greek high-impact newspaper "Kathimerini" about HYPERION's innovative tools and PLUGGY social platform and their valuable impact for the protection and safeguarding of European cultural heritage https://www.kathimerini.gr| View clipping;
- 28 June 2019 | HYPERION : Ο Ευρωπαίος ψηφιακός «συντηρητής» https://www.archaiologia.gr| View clipping;
- 28 June 2019 | HYPERION : The European Digital Conservator www.archaeology.wiki | View clipping;
- 27 June 2019 | HYPERION : Ο Ευρωπαίος ψηφιακός συντηρητής των μνημείων πολιτιστικής κληρονομιάς www.archaeology.wiki | View clipping;
- 27 June 2019 | HYPERION : Ο Ευρωπαίος ψηφιακός συντηρητής των αρχαιολογικών χώρων και των μνημείων πολιτιστικής κληρονομίας www.epixeiro.gr | View clipping;
- 27 June 2019 | HYPERION: Ο Ευρωπαίος ψηφιακός «συντηρητής» των αρχαιολογικών χώρων και των μνημείων πολιτιστικής κληρονομιάς – Μελετά, αξιολογεί, προτείνει λύσεις για τη διατήρηση του πολιτιστικού πλούτου www.ictplus.gr | View clipping;
- 27 June 2019 | HYPERION: Ο Ευρωπαίος ψηφιακός «συντηρητής» των μνημείων πολιτιστικής κληρονομιάς – Μελετά, αξιολογεί, προτείνει λύσεις για τη διατήρηση του πολιτιστικού πλούτου www.madeingreece.news | View clipping;
- 26 June 2019 | HYPERION: Ο Ευρωπαίος ψηφιακός «συντηρητής» των αρχαιολογικών χώρων και των μνημείων πολιτιστικής κληρονομιάς – Μελετά, αξιολογεί, προτείνει λύσεις για τη διατήρηση

του πολιτιστικού πλούτου www.newslink.gr | View clipping;

- 25 June 2019 | Ένας ψηφιακός «συντηρητής» αρχαιολογικών χώρων και μνημείων πολιτιστικής κληρονομιάς από το ΕΜΠ m.popaganda.gr | View clipping;