EDICULA

Educational Digital Innovative Cultural heritage related Learning Activities

Project Code: 2020-1-EL01-KA203-079108







PerpetielSI SRL





NATIONAL TECHNICAL UNIVERSITY OF ATHENS [GREECE]

SAPIENZA UNIVERSITA DI ROMA

[ITALY]

BEZALEL ACADEMY OF ARTS AND DESIGN [ISRAEL]

PERPETIELSI SRL

[ROMANIA]

ISRAEL ANTIQUITIES AUTHORITY

[ISRAEL]

HELLENIC RESEARCH INSTITUTE OF THE ALEXANDRIAN CIVILIZATION [GREECE]

INTELECTUAL OUTPUT: DELIVERABLE: LEAD ORGANIZATION: DATE: O1 EDICULA EDUCATIONAL TOOLKIT D1.1 EDICULA Website NTUA 31 October 2021



Co-funded by the Erasmus+ Programme of the European Union











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1. Introduction

EDICULA "Educational Digital Innovative CUltural heritage related Learning Alliance" is a **Strategic Partnership for Higher Education** in **Erasmus+**. Strategic Partnerships aim to support the development, transfer and/or implementation of innovative practices at organizational, local, regional, national or European levels. Institutions of Higher Education work with others (other sector fields, enterprises, social partners etc.) to help to improve higher education across Europe and to deliver high quality education which is relevant to national and European labor market needs.

A major challenge for Europe and the world is to promote cultural heritage protection as a lever for the enhancement of the society's identity and the integration of 'culture as an enabler for sustainable development'.

New knowledge must break the boundaries of science and engineering and be integrated in education. In the field of CH protection, this will be achieved through the development of new learning mechanisms and educational material, taking into consideration the experience from existing interdisciplinary postgraduate study programs and actively promoting in situ education. The added value of this approach is the education of the youth towards this new vision.





2. EDICULA Website

The Project's website is one of the main sources of information and is updated as soon as new information becomes available. It can be found at the following link : <u>http://edicula.eu</u>

The Project's website has the following structure (corresponding to the header menu)

- Home
- Project
 - Objectives
 - Expected Results
 - Project Structure
 - \circ Innovation
 - o Implementation Plan
 - o Impact
 - o Methodology
- Consortium
 - National Technical University of Athens
 - o Sapienza University of Rome
 - o Bezalel Academy of Arts and Design
 - PerpetielSI
 - o Hellenic Research Institute of the Alexandrian Civilization
 - Israel Antiquities Authority
- Media
 - Dissemination Material
- Edicula Educational Platform
- Courses
- Management
- 3D
- Contact Us







The **Home tab** is the website's landing page with all the main information about the project and its main goal.



Home Project - Consortium - Media - Links EDICULA Edu Platform Courses Management 3D Contact us Innovative practices in a digital era, with focus on actions that promote advanced methods and tools for teaching, training and learning on different levels of education, including postgraduates and experts and a broader audience enhancing social participation, economic growth and social cohesion.



Figure 1 Home page

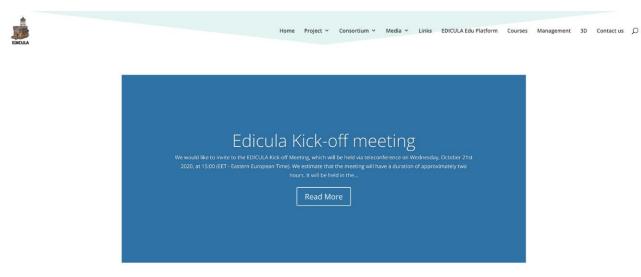


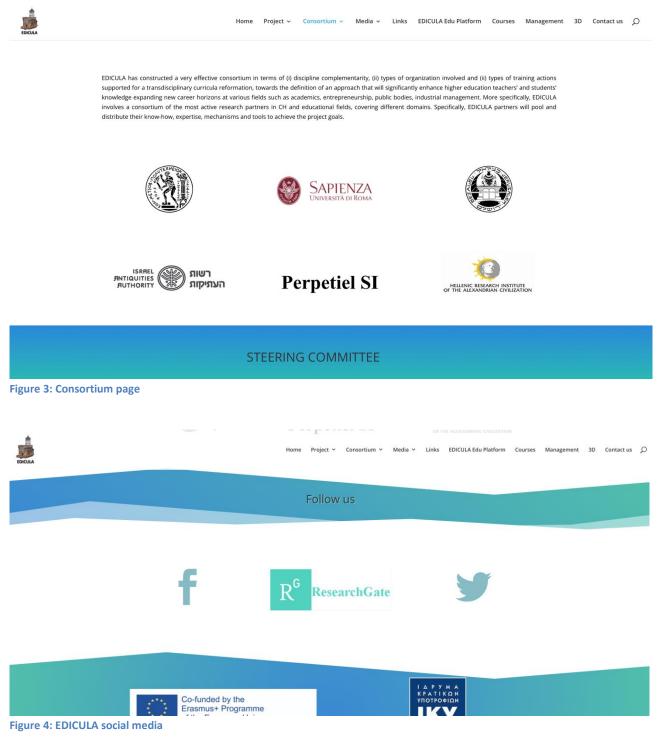
Figure 2





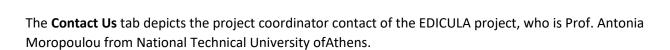
The **Project tab** includes detailed information about the EDICULA project, its objectives, its expected results, its implementation plan and methodology as also various important aspects regarding the project.

The **Consortium tab** depicts a reputable list of the reputable and well established in research field partners of the project









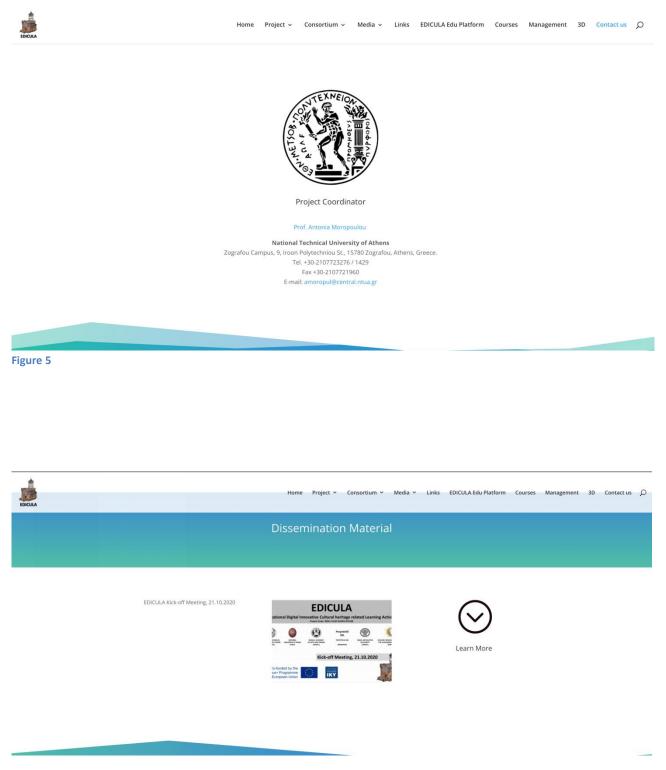


Figure 6





3. Project

Project tab houses detailed information about EDICULA project, its objectives challenges and motivation behind it. Consortium partners and other relevant projects can also be found under this tab.

EDICULA	Home Project -> Consortium -> Media -> Links EDICULA Edu Platform Courses Management 3D Contact us 🔎
	Objectives
	The objectives of the EDICULA project are: • to cultivate cooperation between NTUA and UNIROMA1in the projects of rehabilitation of the Holy Aedicule and the underground interventions in the Church of the Holy Sepulchre in Jerusalem. • to utilize the interdisciplinary and innovative research in the rehabilitation of the Holy Aedicule, its context and setting, to trans-cut with the history of architecture In Jerusalem, through cooperation with BEZ and IAA, and promote transdisciplinarity as an educational lever in the protection of monuments, through cooperation with HRIAC, • to create advanced educational material and dissemination by using AR, through cooperation with PerpetIISI, to create (i) an educational toolkit and (ii) digital games, in order to promote social responsibility and awareness, • to reform the curricula of the three postgraduate programs of the EDICULA partners, in order to exchange good practices and create new courses that in a complimentary approach will lead to the promotion of a Joint Master Degree in the field of protection of monuments, • to develop the EDICULA Fachers' Course, in order to train higher education teachers to promote the transdisciplinary scientific synthesis as a key element for innovative education, • to proceed with the organization of multiplier events, such as (i) hands-on events in Jerusalem and Alexandria, (ii) special conference sessions in Athens, • to promote students to a professional and entrepreneurship mentality, by advancing education in collaboration with enterprises concerning technical works and digital applications, and thus enhance learning outcomes to ensure professional qualifications.

The objectives of the EDICULA project are:

- to cultivate cooperation between NTUA and UNIROMA1in the projects of rehabilitation of the Holy Aedicule and the underground interventions in the Church of the Holy Sepulchre in Jerusalem,
- to utilize the interdisciplinary and innovative research in the rehabilitation of the Holy Aedicule, its context and setting, to trans-cut with the history of architecture in Jerusalem, through cooperation with BEZ and IAA, and promote transdisciplinarity as an educational lever in the protection of monuments, through cooperation with HRIAC,
- to create advanced educational material and dissemination by using AR, through cooperation with PerpetilSI, to create (i) an educational toolkit and (ii) digital games, in order to promote social responsibility and awareness,
- to reform the curricula of the three postgraduate programs of the EDICULA partners, in order to exchange good practices and create new courses that in a complimentary approach will lead to the promotion of a Joint Master Degree in the field of protection of monuments,
- to develop the EDICULA Teachers' Course, in order to train higher education teachers to promote the transdisciplinary scientific synthesis as a key element for innovative education,
- to proceed with the organization of multiplier events, such as (i) hands-on events in Jerusalem and Alexandria, (ii) special conference sessions in Athens,







to promote students to a professional and entrepreneurship mentality, by advancing education in collaboration with enterprises concerning technical works and digital applications, and thus enhance learning outcomes to ensure professional qualifications.

3. Expected Results

EDICULA	Home Project v Consortium v Media v Links EDICULA Edu Platform Courses Management 3D Contact us
	Expected Outcomes
	The EDICULA project will result in: • Innovative changes of the educational curricula for Cultural Heritage related Master Programmes in general and specifically the National Technical University of Athens Interdisciplinary Post Graduate Programme on "Protection of Monuments", the La Sapienza Post Graduate Master Program "Science and Technology for the Conservation of Cultural Heritage" and the Bezalel Academy of Arts and Design Post Graduate Program in "Urban Design" • the development of educational modules that will be attended by students among the Universities of the project, with equivalent ECTS accreditation, towards the creation of a new Erasmus Joint Masters Degree, • the development of a digital educational toolikt with innovative interdisciplinary content using Augmented Reality (AR)and Artificial Intelligence (AI) technologies, enhancing In-sistu and ex-situ application scenarios. • the creation of digital games that will be used in a blended learning scheme, • in-situ education, at the Holy Sepulchre in Jerusalem, its setting and context, including religious routes and ceremonies functioning as the prime educational nucleus, being a transformation from a problem-based learning approach into a unique approach towards a real-world learning, for application to other historic buildings and real or digital applications in the four countries.
	 In-Situ education for archaeologists, Introducing innovation in engineering with emphasis in nondestructive testing and evaluation methods and georeferenced multispectral and multisemantic data, innovation-oriented educational synthesis, in the context of embedding, within the learning experience, the process of utilizing innovation to address scientific and engineering challenges, and as a synthesis tool that fuses and merges multilevel knowledge into effective solutions. New knowledge that has been produced within the emblematic project of the exceptional rehabilitation of the Holy Aedicule of the Holy Sepulchre in Jerusalem and its urban context is a prime outcome that strongly supports this transformation, where interdisciplinarity, effectiveness, transparency, holistic and digital integration of fused data and social acceptance have

The EDICULA project will result in:

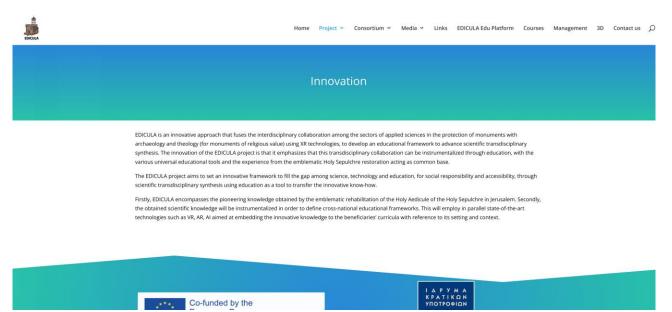
- innovative changes of the educational curricula for Cultural Heritage related Master Programmes in general and specifically the National Technical University of Athens Interdisciplinary Post Graduate Programme on 'Protection of Monuments', the La Sapienza Post Graduate Master Program 'Science and Technology for the Conservation of Cultural Heritage' and the Bezalel Academy of Arts and Design Post Graduate Program in 'Urban Design'
- the development of educational modules that will be attended by students among the Universities of the project, with equivalent ECTS accreditation, towards the creation of a new Erasmus Joint Masters Degree,
- the development of a digital educational toolkit with innovative interdisciplinary content using Augmented Reality (AR)and Artificial Intelligence (AI) technologies, enhancing in-situ and ex-situ application scenarios.
- the creation of digital games that will be used in a blended learning scheme,
- in-situ education, at the Holy Sepulchre in Jerusalem, its setting and context, including religious routes and ceremonies functioning as the prime educational nucleus, being a







- transformation from a problem-based learning approach into a unique approach towards a realworld learning, for application to other historic buildings and real or digital applications in the four countries.
- in-situ education for archaeologists, introducing innovation in engineering with emphasis in nondestructive testing and evaluation methods and georeferenced multispectral and multisemantic data,
- innovation-oriented educational synthesis, in the context of embedding, within the learning
 experience, the process of utilizing innovation to address scientific and engineering challenges, and
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 knowledge that has been produced within the emblematic project of the exceptional rehabilitation
 of the Holy Aedicule of the Holy Sepulchre in Jerusalem and its urban context is a prime outcome
 that strongly supports this transformation, where interdisciplinarity, effectiveness, transparency,
 holistic and digital integration of fused data and social acceptance have advanced the field of
 protection of monuments,
- a teaching activity to train higher education teachers in order to promote the transdisciplinary scientific synthesis as the key element for innovative education into other scientific fields.



4. Innovation

EDICULA is an innovative approach that fuses the interdisciplinary collaboration among the sectors of applied sciences in the protection of monuments with archaeology and theology (for monuments of religious value) using XR technologies, to develop an educational framework to advance scientific transdisciplinary synthesis. The innovation of the EDICULA project is that it emphasizes that this transdisciplinary collaboration can be instrumentalized through education, with the various universal educational tools and the experience from the emblematic Holy Sepulchre restoration acting as common base. The EDICULA project aims to set an innovative framework to fill the gap among science, technology







and education, for social responsibility and accessibility, through scientific transdisciplinary synthesis using education as a tool to transfer the innovative know-how. Firstly, EDICULA encompasses the pioneering knowledge obtained by the emblematic rehabilitation of the Holy Aedicule of the Holy Sepulchre in Jerusalem. Secondly, the obtained scientific knowledge will be instrumentalized in order to define cross-national educational frameworks. This will employ in parallel state-of-the-art technologies such as VR, AR, AI aimed at embedding the innovative knowledge to the beneficiaries' curricula with reference to its setting and context.





7. Consortium

Disclosing the motivation behind the research is very important to every project, as it helps for potential stakeholders relate to research subject and see the real-world benefits. Which becomes even more critical in commercialization and exploitation stages of the project. Project consortium is depicted in the project tab as well. Having a listing of reputable and well established in research field partners, is vital for the project, as their reputation "overflows" to the project, thus increasing its credibility



Figure 7 Consortium page

EDICULA has constructed a very effective consortium in terms of (i) discipline complementarity, (ii) types of organization involved and (ii) types of training actions supported for a transdisciplinary curricula reformation, towards the definition of an approach that will significantly enhance higher education teachers' and students' knowledge expanding new career horizons at various fields such as academics, entrepreneurship, public bodies, industrial management. More specifically, EDICULA involves a consortium of the most active research partners in CH and educational fields, covering different domains. Specifically, EDICULA partners will pool and distribute their know-how, expertise, mechanisms and tools to achieve the project goals.



National Technical University of Athens

<u>https://www.ntua.gr/en/</u> National Technical University of Athens has much experience in a wide range of projects







that almost always combines practical expertise with engineering research. Professionals with engineering background, and accordingly skills in restoration and rehabilitation procedures proven over many years of practice, are involved in the project.

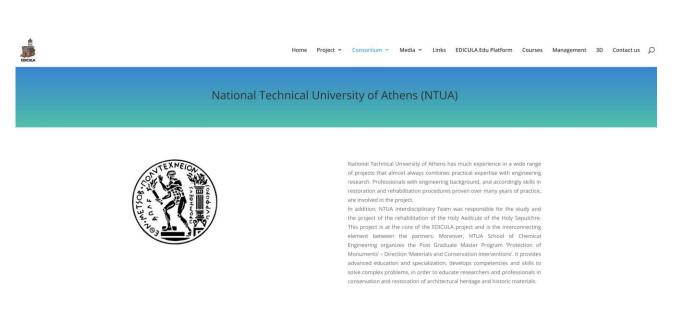


Figure 8 National Technical University of Athens (NTUA)

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	Moropoulou Antonia, Professor (PC) amoropul@central.ntua.gr		Doulamis Anastasios, Ass. Professor adoulam@cs.ntua.gr					
	cv	0	cv	0				
			Delegou Ekaterini, Dr edelegou@central.ntua.gr					
	Learn More	0	Learn More	0				
			Moropoulos Nikolaos nikolaos moropoulos@gmail.com					



In addition, NTUA Interdisciplinary Team was responsible for the study and the project of the rehabilitation of the Holy Aedicule of the Holy Sepulchre. This project is at the core of the EDICULA project and is the interconnecting element between the partners. Moreover, NTUA School of Chemical Engineering organizes the Post Graduate Master Program 'Protection of Monuments' - Direction 'Materials and Conservation







Interventions'. It provides advanced education and specialization, develops competencies and skills to solve complex problems, in order to educate researchers and professionals in conservation and restoration of architectural heritage and historic materials.

Moropoulou amoropul@central.ntua.gr Antonia, Professor (PC)

Antonia Moropoulou is Professor Emeritus at the National Technical University of Athens. Greece and member of the Executive Committee of the Technical Chamber of Greece. She is a Chemical Engineer, PhD, and she established and acted as Director of the Materials Science and Engineering Laboratory at the School of Chemical Engineering. She was elected as Contracted Professor in IUAV University of Venice (1993), Visiting Professor at Princeton University (1995-1996) and has served as Vice Rector of Academic Affairs of NTUA (2010-2014) and Vice President of the European Society for Engineering Education - SEFI (2013-2016). She was entrusted as chief scientific coordinator of the Rehabilitation of the Holy Sepulchre in Jerusalem by the Christian Leaders. She has worked on restoration projects in Hagia Sophia in Istanbul, , the Venetian Fortresses of Rhodes, Rethymnon, Herakleion and Corfu, architectural monuments of Venice, Byzantine and Post-Byzantine Monasteries in Athens, Mount Athos, Creta, Serbia and Kosovo, the Temples of Eleusis, Thission in Athens et als. She has been scientific coordinator of more than 100 National, European and International research competitive programs and author of 5 books and 612 scientific publications. She has an h-index of 35, with more than 56.000 readings and two billion views of her work





Doulamis

adoulam@cs.ntua.gr

Anastasios, Ass. Professor

Co-funded by the Erasmus+ Programme of the European Union



Anastasios Doulamis is Associate Professor at the School of Rural & Surveying Engineering of the National Technical University of Athens (NTUA). He is author of more 200 papers in the area of multimedia processing and artificial intelligence. He has served in the organizing committee of many major workshopsand has served as Guest Editor of the Multimedia Tools and Applications, Springer Press and Future Generation Computer Systems, Elsevier Press and Advances in Multimedia Journal, Hidawi Press. He is member of the Technical Program Committee of IEEE, the International Conference on Pattern Analysis, the IEEE Fuzzy Conference, and the **European Signal Processing** Conference.

He is Coordinator of several EU funded projects.





Lampropoulos klabrop@central.ntua.gr Kyriakos, Dr

Kyriakos Lampropoulos. Chemical Engineer (1994: National Technical University of Athens - NTUA, Greece), MSE (1997: Princeton Univ., USA), PhD (2001: Rutgers Univ., USA). Laboratory Teaching Staff (EDIP), NTUA, Sc. Chem. Eng.. He has participated in more than 20 international and national research programs.. Author and co-author of more than 64 scientific publications incl. 3 book chapters, 16 journal manuscripts, 30 manuscripts in proc. int. conf. h-index 10, 439 total citations by 355 documents (Orchid ID 0000-0002-0500-8285). His main research expertise focuses on the use of non-destructive geophysical techniques for the assessment of the preservation state and structural integrity of built environment, historic buildings and monuments. He has participated in various projects: The rehabilitation of the Holy Aedicule of the Holy



Delegou

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Sepulchre in Jerusalem, the NDT evaluation of the Plaka Bridge in Epirus, the Katholikon of the Monastery of Varnakova, and others.





edelegou@central.ntua.gr Ekaterini, Dr

Ekaterini Delegou holds a Degree in Chemistry (University of Ioannina), MSE in Protection of Monuments - Materials and Conservation Interventions (NTUA) and PhD in Conservation Science for the protection of Cultural Heritage (NTUA). She has been a Senior Researcher since 2014 in NTUA, School of Chemical Engineering, Department of Materials Science & Engineering. She has participated in more than 20 European & National Projects and she is a coauthor of more than 90 scientific papers (h-index: 10). Her fieldo of expertise and research are focused on the evaluation of the preservation state of historical building materials and decoration elements; the performance evaluation of conservation interventions such as cleaning and waterproofing; the compatibility evaluation of restoration materials, using NDTs, and analytical techniques; the development of GIS thematic maps for management and correlation of building materials/decay/conservatio n interventions' data with spatial and environmental data; the development of decision making systems for the performance evaluation of conservation interventions using fuzzy logic and/or neural networks. She is member of the Permanent Scientific Committee of the International Congress "Deterioration and Conservation of Stone", since 2016.





Lampropoulou labrop@mail.ntua.gr Antonia

Co-funded by the Erasmus+ Programme of the European Union

Antonia Lampropoulou has a

Bachelor in Geology and Geo-

Environment and is an administrative officer in the School of Chemical Engineering at the National Technical University of Athens since 1995. She is an expert in undergraduate and postgraduate issues, international academic affairs, educational approach addressing end users and social awareness. Nikolaos Moropoulos is a Civil







Moropoulos nikolaos.moropoulos@gmail.com Nikolaos

Rallis Ioannis irallis@central.ntua.gr

the University of Minnesota, USA. He is a Senior Associate with Planet SA in Athens. His professional focus is in consulting work, including program and project management, IT strategy, business IT alignment, design and implementation of target operating model, change management. He has over 30 years of experience in program and project management in the United Kingdom, Romania, Serbia, North Macedonia, Bulgaria, Israel and Greece. He also served as manager in the Project that rehabilitated the Holy Edicule, in the Church of the Holy Sepulchre , in Jerusalem.

Ioannis Rallis is a PhD

candidate at National Technical University of Athens. He studied mechanical engineering at Technical University of Crete. His education background includes a M.Sc. Degree in Applied Mathematics in Modern Technologies and Financial. He has participated in many national and EU funded projects (H2020, RISE, Erasmus+) and his interests focus on machine learning, intangible cultural heritage, image processing and video summarization.

Engineer (NTUA) with an MSc

in Operations Research from









Sapienza Universita di Roma https://www.uniroma1.it/en/pagina-

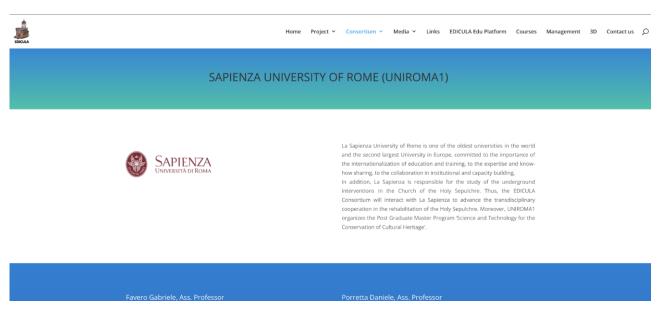


Figure 10

La Sapienza University of Rome is one of the oldest universities in the world and the second largest University in Europe, committed to the importance of the internationalization of education and training, to the expertise and know-how sharing, to the collaboration in institutional and capacity building,

In addition, La Sapienza is responsible for the study of the underground interventions in the Church of the Holy Sepulchre. Thus, the EDICULA Consortium will interact with La Sapienza to advance the transdisciplinary cooperation in the rehabilitation of the Holy Sepulchre. Moreover, UNIROMA1 organizes the Post Graduate Master Program 'Science and Technology for the Conservation of Cultural Heritage'.

EDICULA Educational Digital Innovative Cultural heritage related Learning Activities

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	Favero Gabriele, Ass. Professor gabriele.favero@uniroma1.it			Porretta Danie daniele porre								
	Learn More	0		Learn More				0				
	Altamura Maria Maddalena, Professor gabriele.favero@uniroma1.it			Medeghini Lau Iaura.medeghini@i								
	Learn More	0		Learn More				0				
	Masi Alessia, Dr alessia.masi@uniroma1.it											
	Learn More	0										

Figure 11

Favero

Ass.

Gabriele,

Professor

gabriele.favero@uniroma1.it

Gabriele Favero is Professor of Analytical Chemistry at Sapienza University of Rome and Chairman of Didactic Board in Science and Technologies for the Conservation of Cultural Heritage. He is author of more than 100 peerreviewed papers on international journals, 35 conference proceedings, 4 book chapters and 230 oral or poster contributions to national and international congresses spanning several fields of Analytical Chemistry with particular reference to electroanalytics and bioanalytics, developing the theoretical, methodological and technical-instrumental aspects for the realization of sensors with electrochemical transduction and electrochemical techniques applied to the diagnostics of cultural heritage.





EDICULA

Educational Digital Innovative Cultural heritage related Learning Activities Co-funded by the Erasmus+ Programme of the European Union

Maria Maddalena





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Masi alessia.masi@uniroma1.it Alessia, Dr

Altamura is Full Professor in Botany and Head of the Department of Environmental Biology at the Sapienza University of Rome. Her research fields are Plant citology and histology; Biology of plant development; Plant response to environmental stress; Stemcells and their localization; The root system and its developmental plasticity Laura Medeghini is a Researcher at Sapienza University of Rome and Professor of "Geomaterials for Cultural Heritage" in Science and Technologies for the Conservation of Cultural Heritage master's degree. She is author of more than 30 peerreviewed papers on international journals, 15 conference proceedings, 13 book chapters and 30 oral or poster contributions to national and international congresses focusing on the archaeometric characterization of materials in the field of cultural heritage to define the technology and provenance. Alessia Masi is a Researcher at Sapienza University of Rome and Professor of

"Archaeobotany in the laboratory and in the field" in Science and Technologies for the Conservation of Cultural Heritage master's degree. She is also guest researcher at the Max Planck Institute for the Science of Human History (MPI-SHH) in Jena (Germany). She is specialized in palynological and archaeobotanical researches of













Mediterranean sites. She focuses her research on the reconstruction of past vegetation, its evolution and on the uses of plants with particular attention to the effects of human impact and population resilience. She is author of 39 peer-reviewed papers on international journals including Nature and Science Advances, 14 conference proceedings, 12 book chapters and 88 oral or poster contributions to international congresses



Bezalel Academy of Arts and Design

http://www.bezalel.ac.il/en/

The Bezalel Academy of Arts and Design is one of the world's most prestigious art schools, being synonymous with innovation and academic excellence. Its unique strength stems from the numerous breakthroughs and its ability to respond and adapt to cultural changes. BEZ focuses on innovative and creative solutions based on theory and praxis within the Architecture, Art and Industrial design.

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BEZALEL ACADEMY OF ARTS AND DESIGN (BEZ)



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The UNESCO Chair in 'Urban Design and Conservation Studies' at BEZ has been leading and promoting theoretical and applied research across the spectrum of architecture and urban design and their interaction with other disciplines especially within the activities of the World Heritage Convention. Moreover, the activities of the Chair are within the Graduate Program in Urban Design' and Include previous researches in the Old City of Jerusalem as part of the UNESCO Action Plan. In addition, the Graduate Program in Urban Design collaborates with the Program in 'Cultural Studies' at the Hebrew University in Jerusalem that leads the field of cultural criticism in Israel.

Figure 12

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The UNESCO Chair in 'Urban Design and Conservation Studies' at BEZ has been leading and promoting theoretical and applied research across the spectrum of architecture and urban design and their interaction with other disciplines especially within the activities of the World Heritage Convention. Moreover, the activities of the Chair are within the Graduate Program in 'Urban Design' and include previous researches in the Old City of Jerusalem as part of the UNESCO Action Plan. In addition, the Graduate Program in Urban Design collaborates with the Program in 'Cultural Studies' at the Hebrew University in Jerusalem that leads the field of cultural criticism in Israel.

Turner Michael, turnerm@013.net Professor

Professor Turner holds the UNESCO Chair in Urban Design and Conservation Studies at the Bezalel Academy and has been active since 2004 leading and promoting theoretical and applied research across the spectrum of architecture and design and their interaction with other disciplines especially within the activities of the World Heritage Convention. He has researched the Old City of Jerusalem also as a team member of the UNESCO Action Plan and a current research in the archiving of the planning and architecture of Ottoman and British influences in Jerusalem between the years 1839-1959. This ongoing research is in cooperation with the Bartlett School, UCL and the Kadir Has University, Istanbul.





s.groag@gmail.com

Shmuel Groag, an architect, town planner and conservation consultant. He graduated from the Technion in 1978 and received in 2006 MSc from the London School of Economics. Currently a PhD candidate at the Ben Gurion University of the Negev, his thesis subject is The 'Wandering Archive' in Contested Heritage Sites. As a senior lecturer, he heads the conservation unit in the Department of Architecture at the Bezalel Academy and also taught between 2006 and 2014 conservation management, in the Conservation MSc program at the Technion. He chairs the Israel ICOMOS Scientific Committee on Interpretation and







Yoay Freidman received his Ph.D. from the Department of Politics and Government at Ben-Gurion University of the Negev. His doctoral research dealt with EU's higher education policies, namely the Bologna Process and internationalization policies. He is a graduate of the European Forum MA program at the Hebrew University of Jerusalem and holds a BA in European History. In 2012, Dr. Friedman was a member of Bologna Training Center's founding group – an international training center aiming at the enhancement of the harmonization between European and non-European higher education systems. Among his tasks, he coordinated an EU funded project under the Tempus framework (ESPRIT), provided workshops, organized international conferences and served as a member of the European Network for Quality Assurance in higher education as a member of the international expert's pool.

Els Verbakel is a founding partner of Derman Verbakel Architecture and Head of the Department of Architecture at Bezalel Academy of Arts and Design Jerusalem where she also directs the Masters Program in Urban Design, the UNESCO Chair in Urban Design and Conservation Studies at Bezalel and the





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Verbakel Els, Professor

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	EDICULA Educational Digital Inn heritage related Learni	ovative Cultural	Co-funded by the Erasmus+ Programme of the European Union	* * УПОТРОФІОН * * * ILVV
			Bezalel UNI Habitat Program. Els obtained a PhD in Architecture at Princeton University, a Master of Science in Architecture and Urban Design at GSAPP, and a Graduate Degree in Civil Engineering and Architecture from the University of Leuven, Belgium	
F	Rubin Noah , Dr	noah.hysler.rubin@gmail.c	om	
P	Potdar Komal	ar.komalpotdar@gmail.cor	n Komal Potdar is a conservation architect from the School of Planning and Architecture, New Delhi (2015) and an alumna of the Sir J.J. College of Architecture, Mumbai (2011). She has worked as an in-house consultant with the Archaeological Survey of India, New Delhi. She has received Charles Wallace India Trust fellowship for continuing professional development courses in UK 2019-20, was selected as US-ICOMOS International Exchange Programme 2017, has been awarded the INTACH Heritage Academy Research Grant 2016-17 in the past. Her field of practice includes architectural conservation, World Heritage management and community participatory efforts towards cultural conservation and believes in multi-disciplinary approaches towards investigation, assessment and interventions.	

Heilweil Aviv

aviv@heilweil.com

PerpetielSI

https://www.perpetielsi.eu/

PerpetielSi is a startup ICT Technology company in Romania. PerpetielSI systematically researches developments in the field of educational gaming. A key activity of PerpetielSI is the development of truly interactive and highly effective educational software that captivates learners of all ages.







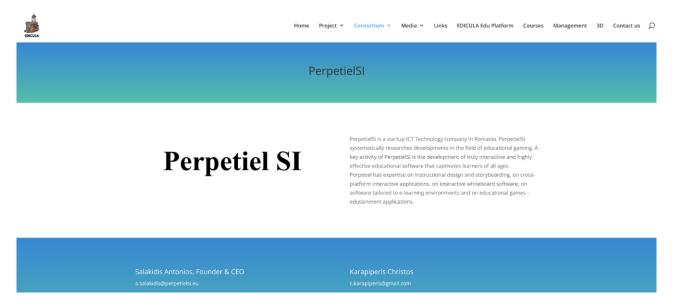


Figure 13

Perpetiel has expertise on instructional design and storyboarding, on cross-platform interactive applications, on interactive whiteboard software, on software tailored to e-learning environments and on educational games – edutainment applications.

Salakidis Antonios	a.salakidis@perpetielsi.eu	Founder & CEO of PerpetielSI SRL, that is a startup ICT Technology company in Romania. Co-Founder & CEO of DNASequence SRL, that is a start-up company aiming to provide innovative services in the fields of biology, computer science and bioinformatics to develop metagenomics and metagenomics of build environment solutions.	
Karapiperis Christos	c.karapiperis@gmail.com		









Hellenic Research Institute of the Alexandrian Civilization

The HRIAC is the result of the approach of two worlds and the materialization of the vision of the first Hellenic Archaeological mission in Alexandria. It is a non-profit organization that has an extensive experience on field work throughout the years because of the continual presence in Alexandria, Egypt the last 20 years. Its expertise and cooperation is not only limited to archaeological aspects but has systematically introduced innovative techniques for the survey and analysis of sites, and design and implementation of appropriate restoration interventions.



Figure 14

Moreover, it has a significant expertise in important excavations, like the Shallalat gardens excavation in Alexandria, which is embedded in the urban matrix of a historic city. Similar to the church of the Holy Sepulchre (the core EDICULA study case), HRIAC brings to the consortium the in-situ experience as well as the transcut with the discipline of archaeology, complementing IAA in this manner.

Papakosta Kalliopi hriac@yahoo.com		
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Israel Antiquities Authority http://www.antiquities.org.il/default_en.aspx

The Israel Antiquities Authority is the pre-eminent organization in the field of Israeli archaeology. It is responsible for all matters of archaeology in Israel including land and marine excavations, development and protection of archaeological sites, archaeological research, education, publication, conservation and restoration of objects and sites, and exhibitions of archaeological material in Israel and abroad. It is the keeper of the State Treasures, including nearly 2 million archaeological objects among them the entire collection of Dead Sea Scrolls, and more than 30,000 archaeological sites. The IAA archives hold scientific files from the days of the British Mandate until the latest excavations. IAA preserves, conserves and studies the archaeological heritage of the Israel at the highest scientific level, and maintains a balance between development needs and antiquities preservation.

Home Project 🗸 Consortium Y Media Y Links EDICULA Edu Platform Courses Management 3D Contact us 🔎

ISRAEL ANTIQUITIES AUTHORITY (IAA)



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srael Antiquities Authority participation in EDICULA aims to bring to the consortium valuable experience and knowhow relevant to the archaeological challenges involved in the protection of cultural heritage. Through its expertise, IAA will share innovation and technological and scientific advancements that can be utilized for the enrichment of the educational processes of the EDICULA project.

Figure 15







EDICULA		Home	Project 🗸	advancements that can be utilized for P Consortium • ^{CDI} Media • • ^{CC.} Links			Management	3D	Contact us	Q
	Seligman Jon, Dr on@srantique.org.il			Avni Gideon, Dr gideon@israntique.org.il						
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Figure 16

Israel Antiquities Authority participation in EDICULA aims to bring to the consortium valuable experience and knowhow relevant to the archaeological challenges involved in the protection of cultural heritage. Through its expertise, IAA will share innovation and technological and scientific advancements that can be utilized for the enrichment of the educational processes of the EDICULA project.

Seligman Jon, Dr

jon@israntique.org.il

Archaeologist and Director of External Relations and Archaeological Licensing of the Israel Antiquities Authority. Presently the Director of Director of **External Relations and** Archaeological Licensing of the Israel Antiquities Authority. Previously the Director of the Excavations, Surveys and Research Department for eight years, twelve years as the Jerusalem Regional Archaeologist and six as a research archaeologist. Dr. Seligman studied at the Hebrew University of Jerusalem and University College London, receiving his doctorate (summa-cumlaude) from Haifa University on the subject of the 'Rural Hinterland of Jerusalem during the Byzantine period'. Jon has directed some thirty excavations in Jerusalem. Bet Shean, in the Carmel Mountains and recently to uncover the remains of the Great Synagogue of Vilna (Lithuania) and has

Jon Seligman is an





published widely, including three books (on the Temple Mount, the Holy Sepulchre and the Roman farm at Nahal Haggit), and numerous chapters and articles in refereed books, journals and other publications. He also





Avni Gideon, Dr

gideon@israntique.org.il

participated in the planning team for the Master Plan for the city and Old City of Jerusalem. Gideon Avni (PhD - 1997) is the Head of the Archaeological Division in the Israel Antiquities Authority and a lecturer at the Institute of Archaeology, the Hebrew University. In 1989 – 2000 he was the IAA Jerusalem District Archaeologist. His academic interests focus on various aspects of Classical, Late Antique and Early Islamic archaeology, the cultural and religious transformation of the Near East from Byzantine to Islamic rule, and the archaeology of desert societies in the Levant. During the last 30 years he has conducted extensive fieldwork in the Negev Desert (1979-1988; 2005-2011), Beth Govrin (1983-1992), Jerusalem (1984-2003) and Ramla (2002-2004). In 1996-2002 he headed a comprehensive survey and excavations project at the Church of the Holy Sepulcher. In 2004-2007 he co-directed a research team supported by the Israel Science foundation on the urban centers of Palestine in the Early Islamic period. He was a fellow at Institute of Advanced Studies of the Hebrew University in Jerusalem (2008-2009). He is currently a member of a research group of the Hebrew University and the Israel Academy of Sciences on the formation of Islamic society in Palestine, and a co-director of an interdisciplinary study on the ancient agriculture of the Negev during Byzantine and Early Islamic times.



Wiegmann Alex, Dr Karasik Avshalom, alexw@israntique.org.il avshalom@israntique.org.il



Dr

Co-funded by the Erasmus+ Programme of the European Union





EDI	CULA
Username	Forgotten your username or password?
Password	Cookies must be enabled in
Remember username	your browser o Some courses may allow guest access
Log in	Log in as a guest

Figure 17





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FaceBook

Facebook is also known for its informal style of communication between all parties and amount of personal content and is considered to be one of the best platforms to reach general public. Tagging project secondees and organisations will provide additional exposure to their network, making it easier to reach interested parties.







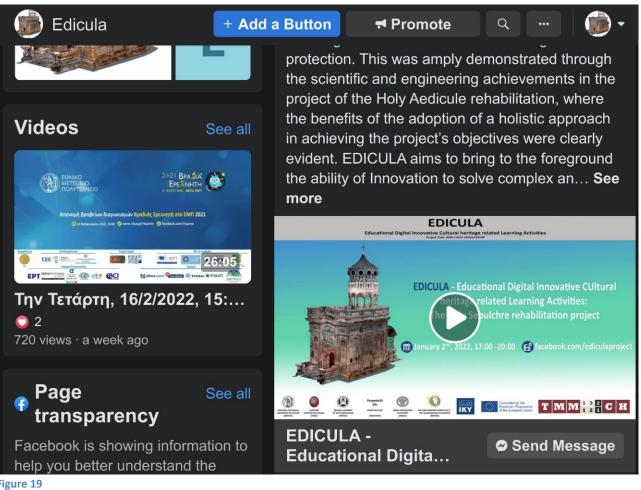


Figure 19





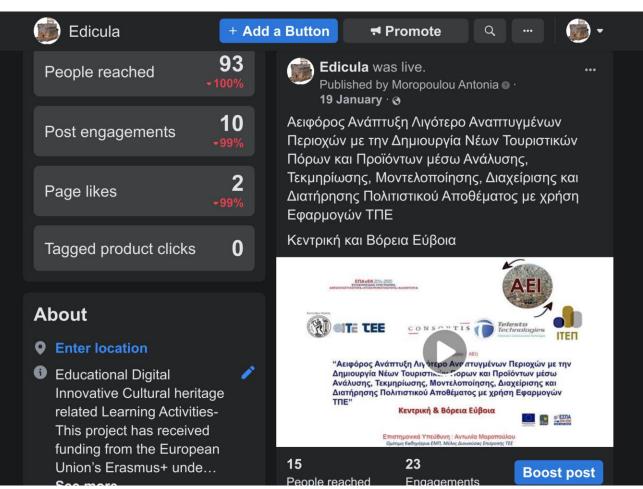


Figure 20 Post promotion choice







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Figure 21 Facebook pr	εργασίας Βρείτε κατά/ υποψήφιους		>	12 Απήχηση Προώθι	•••• ηση δημοσίευ	σης	8 Αλληλετ	τιδράσεις	

Figure 21 Facebook profile page



Figure 22 The Edicula event streamed from facebook







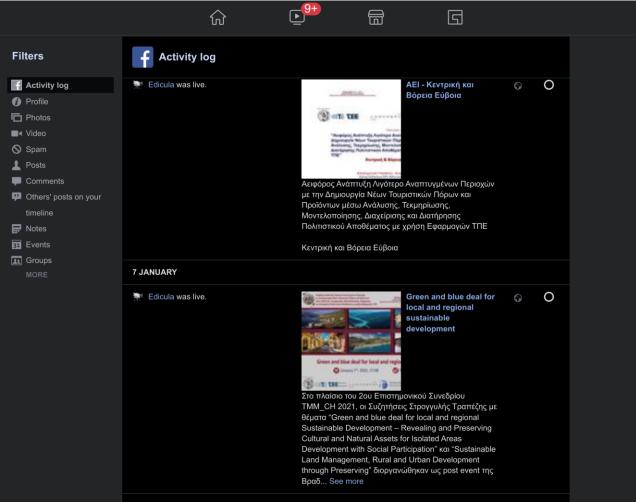


Figure 23







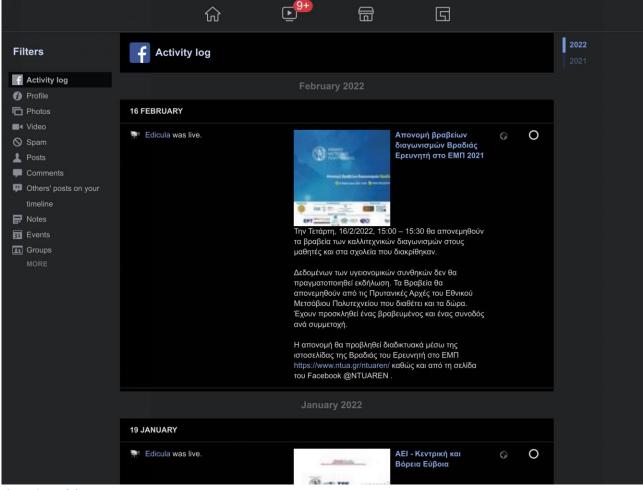


Figure 24 Activity Logs

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			React	n: Organic/Paid 📄 Pos	st clicks 📕 Reaction	s, comments & shares ()
Published	Post	Туре	Targeting	Reach	Engagement	Promote
16/02/2022 15:07	Την Τετάρτη, 16/2/2022, 15:00 – 15:30 θα απονεμηθούν τα	•	Ø	12	6 2	Boost post
19/01/2022 12:17	Αειφόρος Ανάπτυξη Λιγότερο Αναπτυγμένων Περιοχών με την	•	Ø	15	19 4	Boost post
07/01/2022 17:00	Στο πλαίσιο του 2ου Επιστημονικού Συνεδρίου	84	Ø	72	12 3	Boost post
02/01/2022 17:00	Innovation serves as the enabling factor in successfully	84	Ø	1.5K	132 97	View Promotion
02/01/2022 13:16	Edicula updated their business hours.	\$	Ø	117	3 6	Boost post
			See All Po	osts		

Figure 25 The most popular post





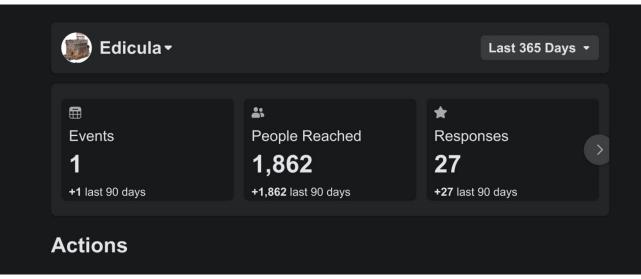


Figure 26 Yearly statistics

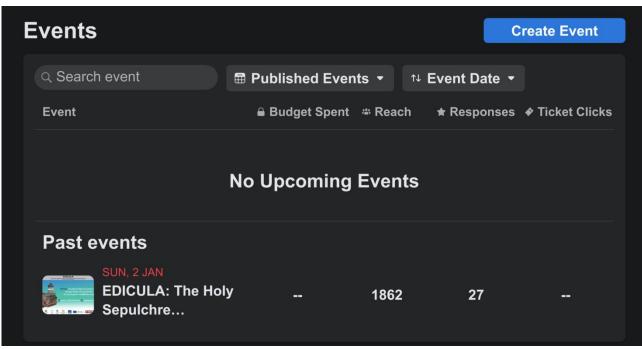


Figure 27: The most reacted event





ResearchGate

ResearchGate is a social networking platform for scientists and researchers, which facilitates collaboration between scientists. The figure below depicts the EDICULA account¹.

✿ Home Questions Jobs	Search for researchers, publications, an								
Ioannis, is this project from your lab? Feature this project on your lab's page and make it more visible to other researchers who might be interested in your lab. Yes No									
	Project EDICULA- Educational Digital Innovative Cultural heritage related Learning Activities © Ioannis Rallis · @ Kyriakos Labropoulos · @ A. Moropoulou · Show all 6 collaborators Goal: EDICULA *Educational Digital Innovative CUltural heritage related Learning Alliance" is a Strategic Partnership for Higher Education in Erasmus+. Strategic Partnerships aim to support the development Show details	Updates 0 Recommendations 0 Followers 1 Reads () 5 new 38							
	Overview Project log References Add reserve Introduction Introduce your project to your audience to tell them what your research is Introduce your project to your audience to tell them what your research is								

Figure 28: EDICULA ResearchGate account

¹ https://www.researchgate.net/project/EDICULA-Educational-Digital-Innovative-Cultural-heritage-related-Learning-Activities