



NATIONAL TECHNICAL
UNIVERSITY OF ATHENS
[GREECE]



SAPIENZA
UNIVERSITA DI ROMA
[ITALY]



BEZALEL ACADEMY
OF ARTS AND DESIGN
[ISRAEL]

PerpetielsI
SRL

PERPETIELSI SRL
[ROMANIA]



ISRAEL ANTIQUITIES
AUTHORITY
[ISRAEL]



HELLENIC RESEARCH INSTITUTE OF
THE ALEXANDRIAN CIVILIZATION
[GREECE]

EDICULA

Educational Digital Innovative Cultural heritage related Learning Activities

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

Multiplier Event: **E3 EDICULA Innovation & Educational Sessions within TMM_CH Conference**

Deliverable: **Evaluation of E3 Multiplier Event in Athens**

Lead Organization: **National Technical University of Athens**

Date: **13 December 2021**

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





NATIONAL TECHNICAL
UNIVERSITY OF ATHENS
[GREECE]



SAPIENZA
UNIVERSITA DI ROMA
[ITALY]



BEZALEL ACADEMY
OF ARTS AND DESIGN
[ISRAEL]

PerpetielSI
SRL

PERPETIELSI SRL
[ROMANIA]



ISRAEL ANTIQUITIES
AUTHORITY
[ISRAEL]



HELLENIC RESEARCH INSTITUTE OF
THE ALEXANDRIAN CIVILIZATION
[GREECE]

Evaluation of E3 Multiplier Event in Athens

- Multiplier Event E3 was successfully organized on 13.12.2021 during the 2nd TMM_CH International Conference on “Transdisciplinary Multispectral Modelling and Cooperation for the preservation of Cultural Heritage”. The 2nd TMM_CH Conference was highly expected and attracted researchers from all over the world. It was held with great success, despite the pandemic, with the physical presence of 150 delegates and online attendance of 500 delegates in real time.
- The emblematic rehabilitation of the Holy Aedicule of the Holy Sepulchre in Jerusalem was presented as an exemplary application, in the field of monuments' protection, of interdisciplinary and multispectral collaboration, as an outcome of innovation, not only on Research, but in the implementation process as well, with emphasis on technological advancements, not only intersecting all the scientific fields of engineers and natural scientists, but also initiating an ongoing dialogue with humanities, such as Archaeology, Theology, Sociology, Diplomacy and Tourism. Innovative knowledge transfer through practice and education is continuing the venture for the rehabilitation projects in the Holy Sepulchre Church, adjoining the National Technical University of Athens and La Sapienza University of Rome with Bezalel Academy of Science and Arts in Jerusalem, in cooperation with Israeli Antiquities Authority, through the EDICULA project.
- Two Panel Discussions were organized by the EDICULA project
 - EDICULA Innovation Session: Panel discussion 1: The Holy Sepulchre rehabilitation project: An emblematic source of innovation on 13.12.2021 at 10:45-12:30. EDICULA Innovation Session included distinguished international scientists and CH representatives.
 - EDICULA Educational session: Panel discussion 3: Novel Educational Approach for the Preservation of Cultural Heritage on 13.12.2021 at 15:00-16:30. EDICULA Educational Session included distinguished faculty and representatives from international academic and research institutions.
- The dynamics of the innovations introduced by the study, the research, the scientific supervision and the work at the rehabilitation of the Holy Aedicule of the Holy Sepulchre at all levels were underlined during Multiplier Event E3. The focus was put on the transfer of know-how within the Erasmus+ Strategic Alliance EDICULA among NTUA, the University of Sapienza in Rome and the Academy of Arts and Design Bezalel in Jerusalem. As an educational tool, the first seminar series attended jointly by postgraduate students of all three Universities, was presented and evaluated. The transfer of know-how will continue on site during E1 and E2 Multiplier Events in Jerusalem and Alexandria.
- Panel discussion 1 was moderated by NTUA Prof. Tonia Moropoulou. The following panelists provided their input: the Deputy Minister for Research and Innovation Mr Christos Dimas, the Deputy Minister for Diaspora Greeks Mr Andreas Katsaniotis, Mrs Vicky Bafataki from Sciacca International Awards, Mrs Bonnie Burnham from Cultural Heritage Finance Alliance and the World Monuments Fund, Mr Fulgencio Sanmartin from the European Commission, Adjunct Lecturer Adi Sela Wiener from Bezalel Academy of Arts and Design, Dr Kalliopi Lineou-Papakosta from HRIAC, Dr Yotam Asscher from Israel Antiquities Authority, Prof. Panayiotis Fouzas from PerpetielSI. Ass. Prof. Gabriele Favero summarized the discussion as rapporteur.



NATIONAL TECHNICAL
UNIVERSITY OF ATHENS
[GREECE]



SAPIENZA
UNIVERSITA DI ROMA
[ITALY]



BEZALEL ACADEMY
OF ARTS AND DESIGN
[ISRAEL]

PerpetielSI
SRL

PERPETIELSI SRL
[ROMANIA]



ISRAEL ANTIQUITIES
AUTHORITY
[ISRAEL]



HELLENIC RESEARCH INSTITUTE OF
THE ALEXANDRIAN CIVILIZATION
[GREECE]

- During Panel discussion 1 - EDICULA Innovation session, panel members comprising of representatives from the Greek Ministry of Development and Investments, Ministry of Foreign Affairs, World Monuments Fund, National Geographic Society, ICOMOS, Giuseppe Sciacca Int. Awards, EDICULA partners, Orthodox Church of Greece, as well as other distinguished scientists in the panel audience, thoroughly discussed the driving forces and the benefits of Innovation in the implementation of complex, CH related projects that encompass a mutual cooperation between the scientific/technical community and the Society. This panel discussion was very important as it emphasized Innovation as a cost-effective enabler of CH preservation and rehabilitation, breaking long-standing barriers of “traditionalism” and “empiricism”. Furthermore, it highlighted the clear shift of measuring technologies towards a 3-dimensional and 4-dimensional documentation and analysis environment with enhanced utilization of VR and AR tools in the management and fusion of multi-sensor data. The impact of EDICULA project, as expressed by O5, was clearly presented by the EDICULA partners to the participants of the session.
- Panel discussion 3 was moderated by NTUA Prof. Tonia Moropoulou. The following panelists provided their input: AUTH Prof. Maria Arakadaki, NTUA Prof. Costas Caradimas, Mrs Antonia Lampropoulou from EDICULA strategic alliance, Senior Lecturer Anna Lobovikov-Katz, Dr Paraskevi Pouli from FORTH-IESL, Prof. Mike Turner from Bezalel Academy of Arts and Design, Prof. Elisabetta Zendri from University Ca’ Foscari. Ass. Prof. Gabriele Favero summarized the discussion as rapporteur.
- During Panel discussion 3 - EDICULA Educational session, panel members comprising of representatives from NTUA (Greece), Aristotle Univ. Thessaloniki (Greece), Technion Israel Institute of Technology (Israel), Foundation for Research & Technology-Hellas (Greece), Bezalel Academy of Arts and Design Jerusalem – UNESCO Chair in Urban Design and Conservation Studies (Israel) Univ. Ca’ Foscari of Venice (Italy), UNIROMA1 (Italy), as well as other distinguished scientists in the panel audience thoroughly discussed the current and future trends in the educational attributes of the multidisciplinary field CH protection and rehabilitation, both from the point of educating future professionals in the field, as well as the field of CH and the adopted approaches becoming educational cases par-effectiveness and par-innovation. Within this emerging and trend-setting framework and based on the discussions in the panel, the importance of hands-on experience and digitization of data management and analysis emerged as the most impacting factors in the evolution of education in the field of Cultural Heritage from a largely descriptive manner to a more interactive and experience-based approach. To this end, the impact of EDICULA project, as expressed by O1, O2, O3 and O4 were presented by the EDICULA partners to the participants of the session.
- The input and the discussions made during the EDICULA Innovation and Educational Sessions in TMM_CH21, is directly applicable to the development and content of the EDICULA educational toolkits (O1, Tasks 1.4 & 1.5), to the curricula reformation (O2), to the hands-on framework (O3: Tasks 3.2 & 3.3) and to the digital games (O4: Tasks 4.2 & 4.3) and to the other parallel tasks.
- Both panels were attended with physical presence by 79 participants: 66 local participants (from Athens, Piraeus, Chania, Volos, Thessaloniki, Patras, Xanthi, Kalamata, Ioannina, Halki, Rhodes); 13 foreign participants (from Italy, USA, Cyprus, Croatia, Poland, Belgium, Slovenia; besides EDICULA partners from Greece, Italy, Israel and Romania. In addition, the Panels were attended online by more than 300 delegates of the TMM_CH Conference, were livestreamed by the conference page and will be streamed via EDICULA facebook paged, website and YouTube channel.



NATIONAL TECHNICAL
UNIVERSITY OF ATHENS
[GREECE]



SAPIENZA
UNIVERSITA DI ROMA
[ITALY]



BEZALEL ACADEMY
OF ARTS AND DESIGN
[ISRAEL]

**PerpetielSI
SRL**

PERPETIELSI SRL
[ROMANIA]



ISRAEL ANTIQUITIES
AUTHORITY
[ISRAEL]



HELLENIC RESEARCH INSTITUTE OF
THE ALEXANDRIAN CIVILIZATION
[GREECE]

- Twelve scientific papers were presented in the relevant conference sessions. The panel discussion presentations and video are open-access available through the TMM-CH and EDICULA websites.
- An EDICULA information desk was setup, staffed by EDICULA members. Brochures and banners were created for dissemination.