





Practice	Digital Excavation through Learning and Training in Archaeology - DELTA
Source/Link	http://www.project-delta.eu/
Country/region/city	<p> Hellenic Open University, DAISSy Research Group (Coordinator)</p> <p> National and Kapodistrian University of Athens, Department of Archaeology and History</p> <p> University of Basilicata, Department of European and Mediterranean cultures (DICEM)</p> <p> Masaryk University, Department of Archaeology and Museology</p>
Time frame	01/10/2019 – 30/06/2022
Sector	<input type="checkbox"/> VET <input type="checkbox"/> School education <input checked="" type="checkbox"/> Higher education <input checked="" type="checkbox"/> Continuing vocational training <input type="checkbox"/> Other (spec. _____)
Target group	DELTA project benefits University students of Archaeology, professors and researchers in Archaeology, educators, tutors and trainers in Excavation methods, professionals in the field of Archaeology and Heritage management and the Departments of Archaeology themselves.
Short description	The project aims at the design and development of an open course through which Students of Archaeology will be able to update their skills and develop new ones, in particular digital and 21st century skills.
Methodologies and animation techniques used	A set of emerging job role profiles were composed from the competences identified by the analysis of needs and training offers. Based on the analysis of needs and training offers, the modular course “Digital Excavation” was designed, applying a specific methodology based on learning outcomes and principles of adult education that realises new approaches to education and competence development that capitalise on the full potential of various learning settings. European instruments (ECVET, EQAVET) were applied improving transparency and recognition of qualifications. The project is innovative since it integrates the excavation site as an instructional tool in the classroom-based instruction of Archaeologists using digital means. The course supported a blended learning process through an open, online-learning platform as well as face to face and on-site learning with a transnational mobility of students and their professors of Archaeology.
Digital solutions used	The pilot training programme consisted by learning objectives so to be provided: a Massive Open Online Course was developed through the e-learning platform (https://mooc.cti.gr/delta.html).
Contents/issues on which methodologies	Methodologies and policies:

<p>and animation techniques are applied</p>	<p>Methodology and Handbooks based on learning outcomes and principles of adult education for realising a modular high-quality course. The course “Digital Excavation” offers an advanced training for the students of Archaeology as well as Archaeologists and Professionals in Culture Heritage in order to acquire essential knowledge, digital competences and 21st century skills</p> <p>A methodology for creating self-produced videos was shared was shared by DAISSy – HOU to partners.</p> <p>A methodology for designing and developing educational material for e-learning and MOOCs was shared by DAISSy – HOU to partners.</p>
<p>Technical equipment</p>	<ul style="list-style-type: none"> o The e-learning platform of MOOC designed and developed especially for the DELTA course “Digital Excavation” o The e-learning course: <p>M1. Digital Tools for Archaeological Practice/Excavation. M2. Documentation in situ and after excavation. M3. Digital Preservation of cultural heritage monuments and artefacts (3D representation and reconstruction). M4. Open-Air Museums and Experimental Archaeology (presentation and interpretation of research results and knowledge to wide public)</p> <p>The e-learning platform, developed in Moodle, by Hellenic Open University, is including:</p> <ul style="list-style-type: none"> o Presentations o Videos (self-produced) with subtitles in 4 languages (EN, EL, IT, CZ) o interactive (self-assessment) quizzes o forum in each Module in platform o communication with Tutors, through the platform. <p>Dissemination and communication channels: website, Facebook, Twitter.</p>
<p>Experiences, findings, results, lessons learnt (Project internal view)</p>	<p>The DELTA project results will be available in website, after the end of the project:</p> <ul style="list-style-type: none"> - A blended course entitled “Digital Excavation” containing 4 modules - Teaching Handbook in four languages (EN,EL, IT,CZ) - DELTA e-learning platform - Policy and good practices document towards the application of new methods and modernization of excavation practice using the new technologies. <p>Lessons learnt:</p> <ul style="list-style-type: none"> ● know the process of MOOCs development: have guidelines to develop course content, material preparation, video content production, and the course management after production. ● know how to build an open, learning platform in Moodle ● Know how to create online learning material of high quality ● know how to facilitate the study in distance learning platform ● know how to activate the online world community ● know how to increase participation in collaboration fora ● know how to guide the Tutors/ Trainers/ facilitators in monitoring/ facilitating the learning process ● have guidelines in evaluation forms of e-learning process/ usability of platform.

Strengthen	<ul style="list-style-type: none"> - DELTA was promoted and disseminated in several events and Conferences at local, national and international level - The project is innovative since it integrates the excavation site as an instructional tool in the classroom-based instruction of Archaeologists using digital means. - After the course, selected students from each partner University with their Professor/educator were given the opportunity to be trained and work together in multinational groups in a joint excavation (Intensive Study Programme-ISP), in the historical place of Marathon, Greece, to benefit from knowledge and skills exchange. Selected students and their professors of Archaeology from Greece, Italy and Czech Republic took part in the ISP in a five days' training programme. - Two (2) pilot training courses were provided by the consortium within the life cycle of the project. The blended course in 2021 and the online course in 2022. - More synergies are expected after the end of the project - The material in DELTA platform consists of mandatory and additional material (OERS like images, papers, e-books, articles, videos) that enhance the learner's knowledge on the subject. - Six multiplier events were organised at national level - A International Conference entitled "Digital Transformation of Archaeology" will be organised on the 4th of June 2022 in Athens, Greece by <u>DAISSy research group of Hellenic Open University</u>.
Weaknesses	<p>The blended course ran from May - August 2021 and some learners as students of archaeology had difficulty to successfully finish the course (due to excavations conducted in the summer period).</p>
Other relevant information	
Comments	<ul style="list-style-type: none"> - Digital competence is one of the eight key competences for lifelong learning identified by the European Union and DELTA project develops a modular course on digital tools and technologies applied in excavation, virtual preservation of cultural monuments and artefacts, public archaeology, and storytelling for future archaeologists. - Methodology of design and developing content has been created and applied for the project, based on the European Quality Assurance in Vocational Education and Training (EQAVET) principles. - UpDATE project can take into consideration relevant publications and methodologies used in DELTA for the design and development of a blended course, as well as the experience from the Tutors delivering the Face to Face activities. - For UpDATE project, partners can use the Teaching Handbook developed for DELTA project (available in EN, IT, GR, CZ)
A contribution by	<p>DAISSy research group – Hellenic Open University (Greece)</p>