ArchAIDE

Project ID: 693548
Funded under: H2020-EU.3.6.3. - Reflective societies - cultural heritage and European identity

Archaeological Automatic Interpretation and Documentation of cEramics

From 2016-06-01 to 2019-05-31, ongoing project | ArchAIDE Website

Project details

| Total cost: | EUR 2 635 266,99 |
| EU contribution: | EUR 2 460 376,75 |
| Coordinated in: | Italy |

| Topic(s): | REFLECTIVE-6-2015 - Innovation ecosystems of digital cultural assets |
| Call for proposal: | H2020-REFLECTIVE-6-2015 |
| Funding scheme: | IA - Innovation action |

Objective

The objectives of ArchAIDE are to support the classification and interpretation work of archaeologists with innovative computer-based tools, able to provide the user with features for the semi-automatic description and matching of potsherds over the huge existing ceramic catalogues. Pottery classification is of fundamental importance for the comprehension and dating of the archaeological contexts, and for understanding production, trade flows and social interactions, but it requires complex skills and it is a very time consuming activity, both for researchers and professionals. This tool would revolutionise archaeologists habits, behaviours and expectations, would meet real user needs and generate economic benefits, reducing time and costs, would create societal benefits from cultural heritage, improving access, re-use and exploitation of the digital cultural heritage in a sustainable way.

These objectives will be achieved through the development of:

- An as-automatic-as-possible procedure to transform the paper catalogues in a digital description, to be used as a data pool for search and retrieval process;
- A tool (mainly designed for mobile devices) that will support archaeologists in recognising and classifying potsherds during excavation and post-excavation analysis, through an easy-to-use interface and efficient algorithms for characterization, search and retrieval of the visual/geometrical correspondences;
- An automatic procedure to derive a complete potsherd’s identity card by transforming the data collected into a formatted electronic document, printable or visual;
- A web-based real-time data visualization to improve access to archaeological heritage and generate new understanding;
- An open archive to allow the archival and re-use of archaeological data, transforming them into common heritage and permitting economic sustainability.

Those instruments will be tested and assessed on real-cases scenarios, paving the way to future exploitation.

Related information

Report Summaries

Periodic Reporting for period 1 - ArchAIDE (Archaeological Automatic Interpretation and Documentation of cEramics)
Coordinator

UNIVERSITÀ DI PISA  
LUNGARNO PACINOTTI 43/44  
56126 PISA  
Italy

EU contribution: EUR 611 250

Activity type: Higher or Secondary Education Establishments

Contact the organisation

Participants

CONSIGLIO NAZIONALE DELLE RICERCHE  
PIAZZA ALDO MORO 7  
00185 ROMA  
Italy

EU contribution: EUR 395 000

Activity type: Research Organisations

Contact the organisation

TEL AVIV UNIVERSITY  
RAMAT AVIV  
69978 TEL AVIV  
Israel

EU contribution: EUR 188 750

Activity type: Higher or Secondary Education Establishments

Administrative contact: Lea Pais
Tel.: +97236408774
Fax: +97236409697

Contact the organisation

UNIVERSITY OF YORK  
HESLINGTON  
YO10 5DD YORK NORTH YORKSHIRE  
United Kingdom

EU contribution: EUR 401 000

Activity type: Higher or Secondary Education Establishments

Contact the organisation
UNIVERSITAT DE BARCELONA
GRAN VIA DE LES CORTS CATALANES 585
08007 BARCELONA
Spain
See on map

**Activity type:** Higher or Secondary Education Establishments
Contact the organisation

EU contribution: EUR 267,625

UNIVERSITÀT ZU KOELN
ALBERTUS MAGNUS PLATZ
50931 KOELN
Germany
See on map

**Activity type:** Higher or Secondary Education Establishments
Contact the organisation

EU contribution: EUR 274,531,25

BARAKA ARQUEOLOGOS S.L.
CARRETERA DE LA ATALAYA 30 2ºH
13005 CIUDAD REAL
Spain
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

EU contribution: EUR 71,750

ELEMENTS CENTRO DE GESTIO I DIFUSIO DE PATRIMONI CULTURAL
AVINGUDA JAUME III 8 ENTL 3
07012 PALMA DE MALLORCA
Spain
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

EU contribution: EUR 66,720,50

INERA SRL
VIA G MALASOMA 18
56121 PISA
Italy
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

EU contribution: EUR 183,750

Last updated on 2017-08-22
Retrieved on 2018-10-21
