



ARCHAEOTECH

TECHNOLOGIES AND PROCEDURES FOR QUALITY IMPROVEMENT AND TIME SAVING IN THE ARCHAEOLOGICAL ACTIVITIES
JOINT LAB PROJECT CNR-ICVBC/CSIC-IAM (2019-2020)

RESEARCH AREAS: 10/A archaeological sciences; 01/B computer technology; 02/ physical sciences; 03/chemical sciences; 04/ earth science

KEY-WORDS: archaeological practice; enabling technologies; conservation; enhancement

The **ARCHAEOTECH** Joint Lab between the ICVBC - Institute for the Conservation and Valorization of Cultural Heritage of the CNR - National Research Council of Italy and the IAM - Instituto de Arqueología - Mérida of the CSIC - National Council of Scientific Research in Spain, is a multidisciplinary project aiming to achieve a real technological and process progress in archaeological research thanks to the mutual transfer of knowledge and the joint research activity on the case study of Mérida' Roman amphitheater. In particular, the project seeks to:

- test new digital tools* for the quick relief for both stratigraphic layers and architectural phases;
- test new practices for the data collection* and systematization of information;
- optimize the fast processing and data management by implementing dedicated databases* (i.e. postgresQL in Q-GIS), so as to facilitate the systematic accumulation over time, and the contextualization, the smart consultation, aimed at the planning of conservation and maintenance interventions, as well as the communication and enhancement of the site investigated.

Furthermore, theoretical and on-site training activities are planned, related to technologies and methodologies developed in the project, towards young italian-spanish researchers and professionals in the archaeological sector.

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S. Rescic, S. Siano, R. Manganelli Del Fà, I. Cacciari, G. Grosso, G. Andreini, G. Pocobelli, A. Mencaglia, P. Tiano, F. Fratini and C. Riminesi. (2018), Efficiency and quality raising in preventive archaeology: work in progress of the project ARCHEO 3.0, IOP Conference Series: Materials Science and Engineering, Vo. 364, (<https://doi:10.1088/1757-899X/364/1/012036>).

C. Riminesi, E. Cantisani, C. Conti, S. Bracci, L. Genovese, R. Manganelli Del Fà, H. Porfyriou, B. Salvadori, A. Sansonetti, M.P. Colombini (2016), ICVBC mobile: il laboratorio mobile dell'Istituto per la Conservazione e la Valorizzazione dei Beni Culturali. Diagnostica, Monitoraggio, Conservazione e Valorizzazione integrata del patrimonio, in "Archeomatica. Tecnologie per i Beni Culturali", VII/2, pp. 26-31;

A. Pizzo. (2008), Las técnicas constructivas de la arquitectura pública de Augusta Emérita, Mérida.

P. Mateos, A. Pizzo (2018), "El teatro y anfiteatro de Augusta Emerita". Aspectos arqueológicos, cronológicos y urbanísticos", en P. Mateos (ed), La scaenae frons del teatro romano de Mérida, Anejos de Archivo Español de Arqueología LXXXVI, pp.13-38, Mérida ISBN: 978-84-00-10421-4

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