ABSTRACT

This project rises from the necessity to provide graphical information of the medieval north-west wall and roman gate of the cloister of Tarragona’s cathedral giving continuity to former studies and previous archaeological results.

This project belongs to a cooperation project between UPC and the Catalan Institute of Classical Archaeology of Tarragona (ICAC).

The roman gate is located in the middle of the medieval wall and gives access to another wall, dated from the romans. Both walls are overlapped creating a singular archaeological ensemble.

The inner part of the wall, the roman construction, is part of the wall that used to enclose the roman Temple and could have been used subsequently for the construction of the cloister. The study and documentation of this roman wall is carried out in a parallel project with the title: “Levantamiento 3D del muro romano, ubicado al noroeste del claustro de la catedral de Tarragona”.

The purpose of this project is to obtain a 3D vectorial model, using the laser scanner technic combined with topography to index all work with a reference system ETRS80 and projected coordinates UTM 31N. All elevations will be orthometrical and the geoid used is the EGM08D595. Using the 3D vectorial model, it is possible to obtain plan views, detail drawings, sections, thematic maps and it can be a good fundament for later studies and projects.

Further data, as well as, a CD is attached to include all calculations, drawings and photographs necessary for the realisation of this project.