THE BIOANTHROPOLOGICAL DATABASE OF THE INSTITUTO CANARIO DE BIOANTROPOLOGÍA

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Abstract. In order to modernize the digitalization process of all bioanthropological collections of Museos de Tenerife, it was developed a Bioanthropological Data Management System based in the recommended standards at international level adapted to the particularities of the Canary archaeological findings.

Keywords. Bioanthropological. Data Management System.

OBJECTIVES

Store and draw on the data related to bioanthropological material found in archaeological discoveries of the Canary Islands to get a general idea of their history and environment, collecting the following information:

1. Type, disposition and pattern of the deposits.

2. Bones and mummified remains found in the deposits.
3. Bioanthropological studies of the material.

THEORETICAL FOCUS

The requirements specification was made using international standards adapting the functionality to the particularity of archaeological discoveries in the Canary Islands. For that, an exhaustive analysis of requirements was made with the scientists, who will be the final users of the application. (Figs 1, 2, 3)

METHODOLOGY

The development of the application was executed in two phases:
1. Requisites Analysis, which was made using using an iterative methodology to detect all the use cases using UML modeling diagrams.
2. A subsequent developing work building an software architecture that satisfies all the requirements. It was made with GPL licensed tools, such as Linux, NodeJS, Angular and MongoDB as a base development platform, which is currently booming in this kind of projects.

Fig. 1.

Fig. 2.

Fig. 3.

BIBLIOGRAPHY

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