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REHABEND 2020

**CONSTRUCTION PATHOLOGY, REHABILITATION TECHNOLOGY AND
HERITAGE MANAGEMENT**

(8th REHABEND Congress)

Granada (Spain), March 24th-27th, 2020

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CODE 272**MANAGEMENT OF THE DIFFERENT PHASES OF AN IRRIGATION DAM
CONSTRUCTION PROJECT: CASE STUDY****Quiñones Martínez, Rubén; Figueiredo de Oliveira, Rui Alexandre**

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e-mail: roliveira@ipb.pt**KEYWORDS:** Management; project phases; project design; irrigation dam; stakeholders.**ABSTRACT**

This article develops the procedural basis of documentary management of projects in different phases of development of a project, using an exhaustive bibliographic review, denoting some differences and particularities among countries and even among authors, especially in organization procedures.

A case study was conducted comparing the regulatory assumptions and bibliography on the subject, with the real management of a construction project of an irrigation dam. At first, it was undertaken a consultation of the various documents that constitute the dam design project along the different phases of its development. Subsequently, in order to complement the gathered information during the investigation, as well as to respond to other omissions research questions even after the documentary consultation, an interview supported by a questionnaire with the dam designer was conducted.

The main results of the research allow the convergence of scattered and unclear information about which documents are mandatory in each phase of the project, being this unclearly specified in the regulations.

The case study of a real construction project of a dam irrigation allows to analyse beyond the required documents at each phase of the development project. And also, the case study contributes to understanding the role of the different stakeholders throughout the process, and the criteria that supports their decisions to move forward to the next phases of a project.