

Abstract

The GDP of the construction sector between 2017 and 2022 has grown, with the exception of 2020 due to COVID-19, which has generated an increase in Construction and Demolition Waste (RCD). The lack of infrastructure for the proper disposal of this waste (heaps) generates negative impacts on the environment. This problem is particularly similar in the large urban metropolises of the entire planet due to the demand for infrastructure projects such as housing, transportation, public buildings; generated by population growth motivated by the greater job opportunities they offer. As a result, many countries have adopted measures to manage CDW in a comprehensive and sustainable manner, especially in construction sites. The purpose of this work is to contribute to the proper management of RCDs in Metropolitan Lima; identifying guidelines for adequate RCD management, based on the relevant information offered by 18 successful experiences at the international level and using J. Opschoor's (1994) methodology for detecting environmental institutional failures as a multicriteria analysis tool. The information obtained is complemented with surveys carried out on various environmental actors specialized in the matter. For the selection of the experiences, similar realities were considered that, applying adequate management measures, managed to mitigate the inadequate treatment and management of the RCD, while inquiring about the knowledge of local, social and economic legislation; reflected in reality for RCD management. Taking into account the results obtained, 12 guidelines were identified that are recommended to be included in the regulations so that RCD management practices are efficient and the gaps found in the current RCD management are completed and that in this way these deficiencies can be solved. In addition, proposals are made to improve the management model (exploitation and transformation) with the aim of its progressive implementation by the corresponding institutions. Keywords: Reuse, management, CDW (construction and demolition waste), solid waste, sustainability, guidelines, Opschoor