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Design of Integral Centers for Construction and Demolition Waste in Latinoamerican Countries

Abstract

In Latin America countries the management of construction and demolition waste (C&DW) is limited and deficient, mainly in the final disposal stage. Disposal of is made on the ground in sites called “rubble dumps" that are not designed to prevent damage and negative impacts on the environment and human health. C&DW are not valued neither as reuse nor recycling

Since mid-20th century developed countries such as: United States of America, England, Germany, China, Australia and Japan, have been installed construction waste recycling plants. However, it was not until the 21st century when in Latin America, countries such as: Mexico, Brazil, Argentina, Chile and Colombia began to build concrete waste recycling plants.

This paper presents a guide for the design of Centers for the integral use of construction and demolition waste that can be installed in Latin American countries.

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