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Defining objectives and scope for a thesis Life Cycle Analysis of wastewater treatment in Latin America and the Caribbean.

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Abstract

In the LAC region, the World Bank currently projects in the water sector, sanitation and flood protection.

All these investments, in theory, help increase the quality of life of the population within the framework of sustainability, but how to identify whether treatment systems do not generate wastewater collateral environmental impacts that limit their benefits? and how to know if it really is contributing to social welfare?. Were designed two formats, general information and specific information, which inquire about the operation and design of treatment plants in each country, from the standpoint of technical, environmental and economic. The collection of information he added to a sample of water treatment plant residual in each country, taking into account the large number of existing provisions and restrictions on resources and time to obtain information. The sample was distributed by country according to the categorization of cities by population size and in turn it was stipulated that type of application data format

The volume of treated water for each technology in 15 years (lifespan of a machining system) is considered as functional unit. Study will be conducted within the region of Latin America and the Caribbean, on the selected countries to Mexico, Guatemala, Brazil, Colombia, Chile and Dominican Republic.