

Water supply and sanitation systems in northern Brazil: use of benchmarking with a focus on universal service

Summary

The disparities in regional development in Brazil can be observed in several areas, such as the economy, health, education and the sanitation sector. Basic sanitation data in Brazil reflect a serious and worrying scenario, especially in the North region, with regard to access to quality water and adequate sanitation treatment. The reflection of regional specificities is important for understanding the aspects that led the country to the current context and should be the starting point for promoting the necessary changes for improvements in the management of water supply and sanitation systems, through which the universalization goals of services, established in the Legal Milestone, are achieved, as well as the Sustainable Development Goals (SDGs), especially SDG 6, of the United Nations.

In this context, this work aims to use a comparative evaluation model, benchmarking, as a management tool, contextualized to the reality of the North region, focusing on reducing inequalities in access to water and sanitation. The stages that make up the research include a bibliographic survey, diagnosis of the conditions of water supply and sanitation systems in the 7 states of the region, mapping of successful practices and development of a contextualized benchmarking model.

It is hoped that this research can contribute to the management of basic sanitation in Brazil, and specifically in the North region, providing the strengthening of institutions and consequent improvement in the services provided and in the quality of life of the population.

Keywords

Water supply, sanitation, management, benchmarking.



PhD student

Heloisa Pimpão Chaves

PhD program

Hydraulic Engineering and Sanitation (USP, University of São Paulo)

Supervisor

Tadeu Malheiros (EESC, USP, University of São Paulo)

Co-supervisor

Rui Cunha Marques (CERIS, IST, University of Lisbon)

Period

2020-2024

Funding

-