

## 5

# Sustainability of water supply for human consumption in Curaçao and Saint Martin

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### **Abstract**

The use of water is essential for humans, animals in general and the ecosystems, in addition to maintaining industrial production. In Curaçao and Saint Martin, one of the biggest problems has been the use of technologies that are not inclusive and expensive for the population, for example, desalination, a concept based on the fact that the use of groundwater would be outdated. Curaçao and Saint Martin are islands located in the Caribbean, and former colonies of the Dutch kingdom, with Saint Martin experiencing problems with hurricanes every year. Moreover, the islands are still burdened with public debts and problems resulting from the colonization period. The main objective of this work is to present an overview about the systems used for the water supply in Curaçao and Saint Martin, together with a case study of water supply option. The research was based on a proposal of a pilot project and in interviews with NGOs and the local government. The study was the first to evaluate water supply in Caribbean countries, and a case for similar realities, especially in places impacted by the tourism industry.

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