

Climate risk assessment Aquallectra

Curaçao, 2023

Client info:

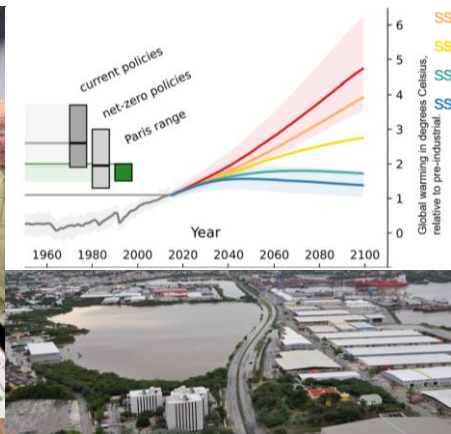


Name: Aquallectra
Sector: Power and utility
Location: Curaçao

Aquallectra is Curaçao's utility company responsible for the production and distribution of power and water as well as the delivery of accompanying services.



EcoVision co-operated in this assignment with the Dutch foundation Climate Adaptation Services (CAS) and with the Meteorological Department of Curaçao (MDC).



Rationale: Aquallectra is seeking to gain insight into the hazards, impacts, and risks of climate change to ensure a reliable and secure power and water production as well as distribution in an environmentally responsible matter. The aim is to help Aquallectra understand the climate **hazards** and to provide a list of **impacts** and **risks** of climate change including a list of **possible adaptation actions** for the main risks.

Approach: This climate risk assessment was executed in five steps, of which step 2 to 5 were executed in workshops with Aquallectra staff: (1) the climate hazards assessment, where we identified the relevant hazards for Aquallectra, including their historical trends and projections; (2) the climate impact assessment, where we identified and prioritized sector-based impacts; (3) the climate risk assessment, where we identified key climate risks; (4) the adaptation actions brainstorm session, where we identified solutions for the main impacts and (5) the hotspot mapping session, where climate hotspot impacts of the past were mapped.

Outcome: Due to an increased knowledge and understanding of the risks of climate change among Aquallectra staff, it was decided to incorporate climate change risks into the existing risk procedure of Aquallectra.