Ministério do Ambiente, Ação Climática e Energia

LUXEMBOURG AID & DEVELOPMENT

AÇÃO CLIMÁTICA AGORA

Resilient Praia

Creation of a Climate Shelter and Climate Interpretation Centre at 13 de Janeiro Basic Education School

Municipality of **Praia**, **Santiago** Island

Type of action:
Local climate change adaptation

Duration:
19 months

Budget:
375.000,00€

Implementation:

Ministério da Economia, Comércio, Industria e Transição Digital

Infraestruturas de CABO VERDE

LUXDEV Luxembourg Development Agency

Instituto do DESPORTO e da JUVENTUDE



Context

The city of Praia has experienced an increase in average temperatures, together with more frequent, intense and prolonged heatwaves.

In schools, these events affect thermal comfort, health, wellbeing, academic performance and the capacity to respond to climate related emergencies.

The Resilient Praia project aims to transform 13 de Janeiro Basic Education School into a pilot model for climate adaptation by combining a climate shelter, bioclimatic solutions, renewable energy, tree planting, a school garden and climate education.

General Objective

Contribute to the protection of the school community and the surrounding population from extreme climate events through the creation of a climate shelter and a Climate Interpretation Centre at 13 de Janeiro Basic Education School.

Specific Objectives

- Create conditions that ensure thermal comfort, safety and protection during periods of extreme heat;
- Transform 13 de Janeiro Basic Education School into a pilot model for energy efficiency and climate adaptation;
- Strengthen the energy storage system at 13 de Janeiro Basic Education School;
- Promote environmental education, climate awareness and sustainable practices throughout the school community.

Partnerships

- National Civil Protection and Fire Service, SNPCB.

Expected Results

More resilient school infrastructure, providing improved thermal comfort and the capacity to operate as a climate shelter;

A **rehabilitated school garden** with a sustainable irrigation system and agricultural production;

Renewable energy and energy storage systems installed or optimised;

A **school community that is better informed**, prepared and engaged in climate action.

Direct Beneficiaries

Students at 13 de Janeiro Basic Education School;

Teachers, technical staff and administrative staff;

Civil Protection and Fire Service personnel, SNPCB;

Vulnerable communities in the surrounding area;

The Ministry of Education, local authorities, families and local organisations.

Main Actions

- **Creation of two pilot classrooms** incorporating bioclimatic solutions;
- Installation and optimisation of **renewable energy systems**;
- Increased **tree planting** and **creation of green spaces**;
- **Agricultural production** to support the provision of meals for students;
- **Rehabilitation of the school garden** and **implementation of a sustainable irrigation system**;
- **Rehabilitation of two sports courts** so that they can also operate as climate shelters;
- **Climate communication, awareness raising** and **capacity building activities**.

Expected Impact

Environmental:
Improved climate adaptation, increased tree cover, more efficient use of water and reduced vulnerability to heatwave;

Economic:
Increased climate literacy and environmental education, togethe with improve learning conditions in safer and more comfortable spaces;

Social:
Greater protection for the school community and vulnerable members of the surrounding population during periods of extreme heat;

Educativo:
Reduced energy consumption and the creation of a pilot model that can be replicated in other schools across Cabo Verde.

Indicators

- Average temperature and humidity levels in classrooms during heatwave periods;
- Number of schools with a functioning climate shelter at national level following the implementation of the project;
- Percentage of students achieving satisfactory academic results in the classrooms covered by the intervention;
- Percentage of the electricity consumed by the school covered by renewable energy sources.

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