

Cooling Program for Southern Africa (CooPSA)

Objectives

The aim is to prepare a climate change mitigation program to introduce energy efficient and F-gas free ACs in the SADC region. The Cooling Program promotes the achievement of the targets of the Paris Agreement and the Montreal Protocol (Kigali Amendment).

Activities

Within this project, partner countries will be advised on carbon financing mechanisms according to Art. 6 of the Paris Agreement. This carbon premium is calculated based on the greenhouse gas emission savings from the reduction of indirect emissions from electricity generation and direct emissions from the avoidance of enormously climate-damaging F-gases.

Successful preparation and implementation would result in various multiplier effects

- The market penetration of natural refrigerants in developing and emerging countries would be facilitated.
- There is a very high replication potential in almost all tropical countries.
- The successful, practical application of the Art. 6.2 Cooperative Approaches mechanism would demonstrate the use of market-based carbon finance as an effective tool to increase the ambition of national climate targets.

Impacts

The replacement of conventional ACs with Green ACs leads to significant GHG emission reductions and contributes to the achievement of the NDC targets of the four partner countries. A sustainable financing mechanism under Article 6.2. of the Paris Climate Agreement is established and demonstrates the use of market-based carbon finance as an effective tool to increase NDC targets. Additional countries are replicating the approach and the project is thus contributing to a global transformation and reductions of GHG of the RAC sector.

Project Details

Main Partner:

Department of Forestry, Fisheries and the Environment (DFFE) - South Africa; Department of Mineral Resources and Energy (DMRE) - South Africa; Ministry of Environment and Tourism (MET) - Namibia*; Ministry of Tourism and Environmental Affairs - Eswatini

Other Project Partner:

GFA Consulting Group GmbH

Implementing Entity/Organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Country:

Botswana, Namibia, Eswatini, South Africa

Duration:

01.12.2021 - 31.05.2023

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Implemented in South Africa, Botswana, Namibia, and eSwatini