



Production of bioethanol and distribution of ethanol cookers, Madagascar

Essential facts and figures

Project activity	Production of bioethanol and distribution of ethanol cookers for private households.
Project site	Madagascar
Project owner	Green Development AS
Start date of operation	2014
Project duration	2014 to 2024
Quantity of emission reductions (in tonnes of CO₂)	392'123 CERs and 232'005 SCF-certificates (share of the CCF 21%)

Project description

In Madagascar, non-sustainably obtained wood charcoal is widely used to cook. Instead, the project established the use of sustainably produced bioethanol.

On the one hand, the project involved the installation of ethanol micro-distilleries to produce the necessary fuel. Furthermore, the government was being assisted in designing and implementing regulation to ensure that the raw material is obtained in an environmentally and socially compatible manner and that the distilleries and the cookers are of good quality.

On the other hand, the project subsidised the planned sale of ethanol cookers to private households in cities and agglomerations. An information campaign was designed to convince consumers of the benefits of using ethanol cookers: less deforestation, improved rural livelihoods and less air pollution near cooking sites.

The World Bank's "Carbon Initiative for Development" (Ci-Dev), in which the Climate Cent Foundation holds a share, is purchasing 392'123 CERs generated by the project over the period 2014 to 2020 and 232'005 certificates issued under the World Bank's "Standardised Crediting Framework" (SCF) for emission reductions generated over the period 2021 to 2024.

Project status (as of July 2026)

The project was registered by the UN in 2012 as n° 7359 and by Madagascar under the SCF in 2025.

Around 31'000 ethanol cookers subsidised by the programme have been in operation. Just one of the planned facilities could be built, so part of the ethanol needed had to be imported.

Project owner

Green Development AS is a private company headquartered in Norway. It developed the climate protection scheme to encourage the domestic use of cookers operated with biogas or bioethanol in 18 African countries and in the Dominican Republic, and it offers implementation partners the possibility to avail themselves of this structure.

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