



# Production of bioethanol and distribution of ethanol cookers, Madagascar

## Essential facts and figures

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| <b>Project activity</b>  | Production of bioethanol and distribution of ethanol cookers for private households.                 |
| <b>Project site</b>  | Madagascar   |
| <b>Project owner</b>   | Green Development AS   |
| <b>Start date of operation</b>                                       | 2016   |
| <b>Project duration</b>  | 2016 to 2024   |
| <b>Quantity of emission reductions (in tonnes of CO<sub>2</sub>)</b> | 850'000 certificates with an option for another 2'000'000 certificates (share of the CCF around 20%) |

## Project description

In Madagascar, non-sustainably obtained wood charcoal is widely used to cook. Instead, the project aims to establish the use of sustainably produced bioethanol. On the one hand, the project involves the installation of more than 60 ethanol micro-distilleries to produce the necessary fuel. Two pilot facilities will be set up to establish the best available technology and the optimal raw material based on sugar cane. Furthermore, the government is being assisted in designing and implementing regulation in order 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 subsidises the planned sale of up to 35'000 ethanol cookers to private households in cities and agglomerations. An information campaign is designed to convince consumers of the benefits of using ethanol cookers: less deforestation, improved rural livelihoods and less air pollution near cooking sites.

The project should reduce emissions by at least 3 million tonnes of CO<sub>2</sub> equivalent. In order to cushion the risk of underdelivery, the World Bank's "Carbon Initiative for Development" (Ci-Dev), in which the Climate Cent Foundation holds a share, is purchasing 850'000 of the CERs generated by the project over the period 2016 to 2024, with an option to purchase a further 2'000'000 CERs.

## Project status (as of July 2024)

The project was registered by the UN in 2012 as n° 7359. Around 30'000 ethanol cookers subsidised by the programme are currently in operation. To date, 53'025 CERs have been delivered to the CCF.

So far, the two pilot facilities have not been built, so all the ethanol needed is 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.

For further information:

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