



Solar home systems, efficient cook stoves, Rwanda

Essential facts and figures

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| Project activity | Off-grid solar-home-systems |
| Project site | Rwanda |
| Project owner | Ministry of Finance and Economic Planning (MINECOFIN) |
| Start date of operation | 2022 |
| Project duration | 2022 until 2024 |
| Quantity of emission reductions (in tonnes of CO₂) | 667'000 VERs with an option for partial conversion into ITMOs (CCF share 8%) |

Project description

The Rwandan government provides off-grid solar home systems and clean cooking stoves. Almost all Rwandan households cook using biomass, mainly non sustainably used firewood. The spread of efficient and clean cooking stoves lowers the consumption of firewood, reducing carbon emissions and protecting valuable forests. Off-grid solar home systems can supply electricity to millions of people living in remote rural areas at a remove from the power grid. They also reduce reliance on fossil fuels such as kerosene, often used in Rwanda to operate generators for local electricity production.

The funds provided by the Ci-Dev are used to subsidise the distribution and the sale of an additional 10'000 off-grid power systems and 300'000 efficient and clean cooking stoves, which will benefit low-income households. The project is thus scheduled to avoid 667'000 tonnes of CO₂, which will be purchased by the Ci-Dev as certificates. The project's emission reductions are generated within the Standardised Crediting Framework (SCF), which has been in development in Rwanda since 2019 with funding by the Ci-Dev. This new standard, tailored toward the provisions of the Paris Agreement, takes over from the CDM and ensures the environmental integrity of certified greenhouse gas emission reductions.

The project is scheduled to generate verified emission reductions of 450'000 tonnes of CO₂, which will be purchased by the World Bank's "Carbon Initiative for Development" (Ci-Dev), in which the Climate Cent Foundation holds a share.

Project status (July 2024)

Implementation has started in 2022. 220'000 cook stoves as well as 435'000 solar home systems have already been installed.

Project owner

The project is being run by the government of Rwanda, represented by the Ministry of Finance and Economic Planning (MINECOFIN).

For further information
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