



Mali

Applicant: Action Group for the Modernization of Agriculture

National Designated Entity: Mr. Birama Diarra, National Agency of Meteorology (Mali – Meteo)

Duration: 8 months

Status: Under implementation

Budget: 76,000 USD

Technical Assistance Planned by: Environment and Development Action in the Third World (ENDA)

Implemented by: ENDA; Climate Technology Initiative

Technology design and private sector investment in climate resilient crop productivity in Mali

CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technical assistance aligned with national climate objectives.

CHALLENGE

In Mali, climate variability threatens agricultural productivity and farmer livelihoods. Current methods of crop conservation lead to significant waste in the value chain, and weaken farmers' access to markets, reducing their revenues. Local entrepreneurs seek to install solar photovoltaic-powered processing and storage technologies to improve productivity and resilience, yet lack financial means to do so.

CTCN ASSISTANCE

- Review and advise on the appropriateness of crop drying and storage technologies for local conditions
- Strengthen project financial case, including the business plan and the cash flow model, and coach the entrepreneur
- Identify and facilitate private investors and partners

INTENDED IMPACT

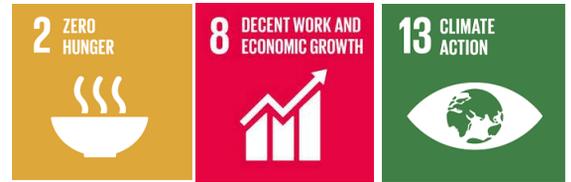
- Improved agricultural productivity and availability of crops in local/international markets
- Greater resilience in the agriculture sector – accounting for 45% of Mali's GDP
- Private sector investment in deployment of crop drying and storage technologies based on renewable energy

THIS PROJECT ADVANCES:

Mali's Nationally Determined Contribution to:

Priority to develop a smart and resilient agriculture, including through the use of renewable energies.

Mali is a carbon sink country who relies mainly on the reduction of GHG emission from agricultural (29%) and energy (31%) sectors.



What is climate technology?

Any equipment, technique, practical knowledge or skills needed to reduce greenhouse gas emissions and/or adapt to climate change. This includes modern and traditional technologies.

Learn more about CTCN technology transfer

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The CTCN is the operational arm of the UNFCCC's Technology Mechanism and is hosted by the United Nations Environment Programme (UNEP) and the United Nations Industrial Development Organization (UNIDO).

THE STORY

The Action Group for Modernisation of Agriculture (GAMA), in Southern Mali aims to improve farming stability in the face of increasing vulnerability of crop production due to climate change. A key piece of their strategy is to use renewable energy source for drying, processing and storage technologies for mangoes, potatoes and gombo. Used at sufficient scale, these technologies increase shelf life and availability of the product to the market, thereby increasing resilience to change and food security. The project has considerable potential to attract private sector financing, but the upfront investment constitutes the main obstacle, and investors are not convinced of its bankability.

This CTCN technical assistance is led by the Private Financing Advisory Network (PFAN) of the Climate Technology Initiative (CTI), in collaboration with Environment and Development Action in the Third World. PFAN and ENDA specialists have been working with GAMA to address the technical and financial barriers faced in implementing their ambitious project, as well as to showcase the bankability of such initiatives. This technical assistance includes providing recommendations on appropriate technology options; development of a business plan and cash flow model; an independent feasibility audit; training on investor negotiations; and facilitation of investor meetings. With this work in place, local stakeholders will gain the capacity to make a compelling case for investment from national or international financiers.

The CTCN gratefully acknowledges the support of :

