CTCN
CLIMATE TECHNOLOGY CENTRE & NETWORK

CLIMATE CHANGE ADAPTATION
Agriculture and forestry

Benin

Applicant: Ministry of Agriculture
National Designated Entity:
Mr. Aminou Raphiou,
Ministry of Environment
Duration: 12 months
Status: Under implementation
Budget: 130,000 USD
Planned by:
UNEP DTU Partnership
Implemented by:
CTCN Network Member

Agro-meteorological information system to strengthen climate resilience of agriculture producers

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

The agriculture sector is the mainstay of Benin's economy, providing livelihoods for almost 60% of the working population. However, droughts and floods are increasing in frequency and severity, thus harming agricultural production in Benin. Farmers have little access to basic climate forecasting information, which impedes their ability to adapt their agricultural planning and practices accordingly.

CTCN ASSISTANCE

- Adapt a software to national context for crop monitoring and facilitate its use in a pilot area.
- Recommend procedures to compile and communicate localised information bulletins about anticipated severity and duration of droughts and floods to national planners and local farmers.
- Provide training in managing and using the information system to produce agro-meteorological bulletins addressed to producers.

INTENDED IMPACT

By establishing a system for collecting and communicating data that meets the needs of rural farmers, the assistance aims to arm stakeholders with information that will improve their ability to plan for climate changes and adopt necessary agriculture and water measures to ensure greater resiliency in agricultural production and food security.

UNEP

THIS ASSISTANCE SUPPORTS

Benin's Nationally Determined Contribution to:

- Strengthen climate risk forecasting and early warning for food security in vulnerable agro-ecological zones.
- Strengthen climate monitoring capabilities, including early warning systems and the availability of information on climate change to cope with climate shocks and plan adaptation to climate change.

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 traditional, modern and high tech technologies.

Learn more about CTCN technology transfer

Visit: www.ctc-n.org
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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

Benin's Ministry of Agriculture requested assistance through the CTCN to address its severe lack of data and forecasting information which threatens farmers' agricultural productivity and resilience to increasing droughts and floods in the country. The CTCN assistance aims to fill the identified gaps by strengthening expertise of national practitioners to utilize appropriate forecasting software.

Agricultural extension agents will be trained in data collection, information dissemination and popularization of agro-meteorological information. The agro-meteorological system will enable national planners and local producers to analyse the agro-meteorological information and make calculations for ensuring better forecasting and analysis of water balance in relation to the agricultural calendar of producers.

The CTCN assistance supports the adaptation strategy identified in Benin's Nationally Determined Contribution (NDC) as well as its National Adaptation Plan of Action (NAPA), and aims to strengthen the capacity of agricultural communities to adapt to climate change in four climate-vulnerable agro-ecological zones in Benin.

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