



**GERMAN GOVERNMENT AND
FEDERAL STATES PROGRAMME**
BUND-LÄNDER-PROGRAMM (BLP)



Federal state – partner country

Bavaria – Togo

Title

Renewable Energies to Increase Productivity,
Efficiency and Innovation in Agriculture in Togo

In cooperation with the GIZ programme

Rural Electrification in Togo

Financing arrangements

BMZ contribution € 177,586.93
Bavaria contribution € 117,486.50

Duration

01.08.2021 – 31.10.2022

Responsible ministry

Bavarian Ministry of Economic Affairs,
Regional Development and Energy (StMWi)

This project helps to achieve the following
Sustainable Development Goals (SDGs):



Photovoltaic system for operating an irrigation pump

Transferring the Knowledge Required to Introduce Renewable Energy Solutions in Agricultur

Local situation

Togo is an agricultural country. Agricultural products account for about 20 % of its gross domestic product, and one third of the workforce is employed in agriculture. However, the sector is largely unstructured and underdeveloped and is still dominated by subsistence farming. Furthermore, very few rural areas have access to the country's power grid.

Decentralised applications based on renewable energy can help to boost agricultural productivity, e.g. through solar-powered irrigation. Drying, ventilation and solar-powered refrigeration chains also make it possible to improve post-harvest storage while preserving product quality and significantly reducing harvest losses.

“Decentralised renewable energy plays an important role in the expansion of agricultural value chains in Togo. The discussions between Togolese stakeholders and Bavarian experts create a fertile environment for new ideas and approaches, and for their practical implementation.”

Valentin Hollain,
advisor for the programme Rural Electrification in Togo



Market stall with fruit in Kpalimé, Togo

Cooperation arrangements

The project is being implemented in cooperation with the bilateral technical cooperation programme Rural Electrification in Togo. It is part of the German Government and Federal States Programme (German: Bund-Länder-Programm; BLP) and is supported by Bavarian stakeholders such as the Weihenstephan-Triesdorf University of Applied Sciences (HWST), the Bavarian Center for Applied Energy Research (ZAE Bayern), Women Engage for a Common Future e.V. (WECF) and C.A.R.M.E.N e.V. (Central Agricultural Raw Materials Marketing and Energy Network). In addition, the project cooperates with the Togolese Agency for Rural Electrification and Renewable Energies (AT2ER) and the Togolese Directorate General of Energy (DGE).

What we are doing – and how

The project gives Togolese smallholders and stakeholders in key agricultural value chains the expertise they need to introduce renewable energy solutions. Its objective is to raise the productivity and efficiency of the agricultural sector. There are four modules altogether.

The kick-off workshop offers participants an overview of renewable energy applications in agriculture, such as solar-powered refrigeration and drying, and the recycling of solar panels. One of the submodules supports the formation of women's cooperatives.

The second module consists of workshops and training courses on “innovative business models and financing” in the area of renewable energy for agriculture. The aim is to develop some initial project ideas for increasing productivity, efficiency and innovation along the agricultural value chain and to present and discuss financing models and business support options.

In addition, nominated participants are given the opportunity to join a mentoring programme.

A final study trip to Bavaria enables the participants to extend their management skills. To round off the programme, there are visits to Bavarian technology providers and energy-related reference projects in the agriculture sector.

Useful links

- Technical cooperation programme Rural Electrification in Togo:
<https://www.giz.de/en/worldwide/92267.html>
- More information on the programme:
<https://bund-laender-programm.de/en>
<https://www.giz.de/en/worldwide/91262.html>
<https://www.giz.de/en/worldwide/34949.html>

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blp@giz.de | www.bund-laender-programm.de/en
Editors Dieter Anders (legally responsible for content),
Susanne Rappolder, Annika Rolke
Design kipconcept gmbh, Bonn | Germany

On behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ)
Division 513:
Federal states, local authorities
Address of BMZ offices
BMZ Bonn
Dahlmannstr. 4
53113 Bonn | Germany
T +49 (0)228 99 535 0
poststelle@bmz.bund.de | www.bmz.de/en
BMZ Berlin | Im Europahaus
Stresemannstr. 94
10963 Berlin | Germany
T +49 (0)30 18 535 0

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