

Key Partners

The **Global Environment Facility (GEF)** unites 183 countries in partnership with international institutions, civil society organizations (CSOs), and the private sector. As independently operating financial organization, the GEF provides grants for projects related to biodiversity, climate change, international waters, land degradation, the ozone layer, and persistent organic pollutants.

The **United Nations Industrial Development Organization (UNIDO)** promotes inclusive and sustainable industrial development in developing and transformation countries. The UNIDO Energy Branch assists urban and rural industries to take advantage of sustainable energy solutions. Moreover, it contributes to the creation of a local renewable energy and energy efficiency service and manufacturing industry.

The **ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)**, based in Praia, Cape Verde, aims at the creation of an enabling environment for regional sustainable energy markets in West Africa. ECREEE supports activities directed to mitigate existing technology, financial, economic, legal, policy, institutional, knowledge and capacity related barriers.

The Small Island Developing States (SIDS) **Sustainable Energy and Climate Resilience Initiative (SIDS DOCK)** supports SIDS in Africa, Pacific, Caribbean and Indian Ocean in the sustainable energy transformation.



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UNIDO-GEF PROJECT:

“PROMOTING INVESTMENTS IN SMALL TO MEDIUM SCALE RENEWABLE ENERGY TECHNOLOGIES IN THE ELECTRICITY SECTOR OF GUINEA BISSAU”



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PROJECT DESCRIPTION

The GEF funded project “Promoting Investments in Small to Medium Scale Renewable Energy Technologies in the Electricity Sector of Guinea Bissau” is implemented by the United Nations Industrial Development Organization (UNIDO) in partnership with the Ministry of Energy and Industry, the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) and TESE – Associação para o Desenvolvimento pela Tecnologia, Engenharia, Saúde e Educação. The project is also supported by the African Development Bank (AfDB) and the Small Island Developing States (SIDS) Sustainable Energy and Climate Resilience Initiative (SIDS DOCK). Through integrated interventions in the areas of technology demonstration, policy support and capacity development the project aims at creating an enabling environment for renewable energy investments. The project will be implemented between 2014 and 2018 in line with the adopted project document.

The project contributes significantly to the needed transformational change of the electricity sector in Guinea Bissau towards more sustainable patterns. The scaling-up of renewable energy investments will lead to improved energy security, energy access and mitigation of GHG emissions. Due to the dependence on expensive diesel generation, the electricity generation costs and consumer tariffs of the country are one of the highest in West Africa. The chronic energy crisis hampers the social, economic and industrial development of the country.



PROJECT RESULTS

1. Investments in small to medium scale renewable energy technologies are mobilized

High-impact projects to demonstrate the technical feasibility and economic viability of renewable energy technologies are developed and implemented:

- Rural PV hybrid mini-grid systems (312kW to 500kW);
- PV and biomass cogeneration stand-alone systems for agro-industries and public buildings (34 kW to 100 kW);
- Further projects with a capacity of 1.5 MW of will be identified;

The project aims also at the following results:

- Development of the hydro power project Salthino HPP (19 MW) to bankable feasibility stage in cooperation with the African Development Bank (AfDB) and other financiers;
- A National Renewable Energy Investment Plan (NREIP) with a project pipeline of 30 million USD is developed and presented
- The ECOWAS Renewable Energy Facility (EREF) is co-funding renewable energy projects

2. Enabling renewable energy policy and incentive framework developed and endorsed

- Development of the national renewable energy policy and action plan in the context of the ECOWAS Renewable Energy Policy;

- Identification of laws for the introduction of various incentive mechanisms for on- and off-grid renewable energy projects.
- Implementation of the awareness campaign “SE4All for Guinea Bissau” and registration of the project as a NAMA.

3. Strengthening of local capacities and south-south knowledge transfer

- A renewable energy capacity needs assessment is implemented
- A national renewable energy capacity development program targeting key market players is developed and under execution (e.g. policy makers, utility, businesses, banks, civil society, academia)
- Execution of train-the-trainer workshops and follow-up activities
- Promote south-south knowledge and technology transfer from Cape Verde to Guinea Bissau

4. Coordination and project management

UNIDO, the Ministry of Energy and Industry and ECREEE are responsible for the day to day project coordination and management. The project will be supervised by a Project Steering Committee. Further project information is available at: <http://gef.ecreee.org>.