



# ECOWREX



## ECOWAS Observatory for Renewable Energy and Energy Efficiency

ACP S&T Grant FED/2013/330-248

### BACKGROUND

Accurate knowledge of existing and planned resources and their potential are vital for strategic planning and development. The non-availability of reliable and up-to-date information about the energy sector, poses a major constraint for policy makers, investors and project developers in the ECOWAS energy sector. ECREEE in 2012, in collaboration with the United Nations Industrial Development Organization (UNIDO) and support from the Austrian Development Cooperation (ADC) and the Spanish Agency for International Development Cooperation (AECID), under the GEF project "Promoting Coordination, Coherence and Knowledge Management under Energy Component of the Strategic Program for West Africa (SPWA)" established the ECOWAS Renewable Energy and Energy Efficiency Observatory (ECOWREX). ECOWREX is a web-based energy portal, aimed at addressing knowledge and information barriers in the ECOWAS Region. It was adopted by the ECOWAS Energy Ministers on the 31st of October, at its 11th meeting, in Accra, Ghana.

### SUPPORTED BY



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## OBJECTIVES

ECOWREX provides decision makers, project developers, investors and other stakeholders with tailored energy information and planning tool, aimed at boosting knowledge, creating awareness, and networking, thus, acting as a catalyst for development in the energy sector in West Africa.

## PROJECTS & ACTIVITIES

- Maintaining a cutting-edge Content Management System and a robust up-to-date information technology system.
- Implementing the ACP-EU project: Promoting Sustainable Energy Access through the use of Geospatial Technologies in West Africa, [www.ecowrex.org/acp-eu](http://www.ecowrex.org/acp-eu). The project is funded by the European Union under the ACP-EU Science and Technology Programme II (ACP S&T II, GRANT FED/2013/330-248). The major outcome includes - Building a Spatial data infrastructure (SDI); improving the solar and wind resources maps; promoting knowledge of Geospatial technology for energy planning; develop IntiGIS software for planning towards improving energy access and developing ratio map of energy consumption versus green energy potential in West Africa
- Updating the ECOWREX country profiles and contributing towards regional data collection activities. Creating and integrating new resource maps such as, the hydro power resource maps of all ECOWAS river basins.

## IMPACT

ECOWREX serves as a data hub for member states in the region. It contributes toward the development of the energy sector by:

- Supporting decision makers with evidence-based decision system. Geospatial technology is used to visualize and analyze where and when an energy system can be developed.
- Promoting investment in RE & EE, by providing the data and tools necessary for planning and preliminary survey.
- Contributing towards harnessing Renewable Energy (RE) resources through identification and mapping of the resource potential.
- Promoting standardization of data collection models, systems and processes.
- Closing the energy data gap in the region, by supporting the member states with data collection. The success of ECOWREX project is determined by the timely acquisition and uploading of accurate data.
- Building a spatial data Infrastructure, thereby, promoting spatial data management in the region.

## BENEFICIARIES

The final beneficiaries are the entire populace in the region, most especially in the rural and peri-urban areas. Stakeholders include the Energy Ministries and Agencies (planning departments/units), student, researchers and players in the energy sector, Local and International investors and Organizations.

## PARTNERS



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