



*Regional Centre for Renewable Energy and Energy Efficiency
Centre Régional pour les Energies Renouvelables et l'Efficacité Energétique
Centro Regional de Energias Renováveis e de Eficiência Energética*

Regional Validation Workshop on the ECOWAS Regional Policies on Renewable Energy and Energy Efficiency



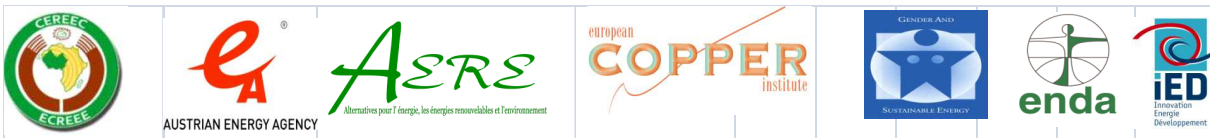
2012 INTERNATIONAL YEAR OF
SUSTAINABLE ENERGY
FOR ALL

Hôtel Radisson, Dakar, Senegal

Date: 25 – 28 June 2012

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Co-Organizers



With support of





1. Introduction

The ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE) and its partners are organizing a regional workshop on "Sustainable Energy Policies and Scenarios for West Africa", to be held from 25 to 28 June, 2012 in Dakar, Senegal. The workshop is organized in partnership with the Austrian Energy Agency (AEA), Alternative for Energy, Renewable Energy and Environment (AERE), Innovation, Energy and Development (IED), ENERGIA and ENDA. It is supported by the Africa-EU Renewable Energy Cooperation Programme (RECP) through funding from the European Union, the Governments of Austria and Spain, the United Nations Industrial Development Organization (UNIDO), the United Nations Development Programme (UNDP).

The workshop will feature the following elements:

- Three-day validation seminar on the draft documents of the ECOWAS Renewable Energy Policy and Energy Efficiency Policy, co-organized with the EUEI-PDF and the SEEA-WA partners
- One-day training on "sustainable energy and gender", co-organized by ENERGIA
- The ECOWAS Capacity Building Initiative on Energy Scenario Planning tools will be presented by ECREEE in cooperation with IAEA, IRENA and UNIDO
- Data verification provided by the ECOWAS Observatory for Renewable Energy and Energy Efficiency

2. Background

2.1 Encouraging RE&EE Developments

The validation workshop takes place at the background of the encouraging national and regional developments in the renewable energy and energy efficiency (RE&EE) sector in the ECOWAS region. Pioneering countries such as Ghana, Cape Verde and Senegal have made considerable progress in formulating and implementing RE&EE policies, laws, standards and incentive schemes to attract investments. Other countries launched similar processes. The ECOWAS region attracts still only a minimum fraction of the 200 billion USD globally invested in renewable energy generation capacity. However, the investments have more than quadrupled in previous years.

2.2 Opportunities and barriers

However, so far the ECOWAS countries do not take full advantage of their various RE&EE resource potentials due to the existence of several technical, financial, economic, institutional, legal and capacity related barriers. Apart from significant fossil fuel resources, West Africa can rely on a wide range of untapped RE&EE potentials in various sectors:

- An estimated 23,000 MW of hydroelectric potential is concentrated in five of the 15 Member States, of which only about 16% has been exploited. According to preliminary estimates, small hydro power potential in the region amounts to around 6000 MW.
- There is good potential for all forms of bioenergy. Traditional biomass is already the main source of energy and accounts for 80% of total energy consumed for domestic purposes.
- There are some wind, tidal, ocean thermal and wave energy resources available in some ECOWAS countries.
- The region has vast solar energy potential with very high radiation averages of 5–6 kWh/m² throughout the year.
- With respect to energy efficiency opportunities, there is significant potential to improve the demand side and supply side energy efficiency in buildings, appliances, power generation and



transmission. It is estimated that in West Africa, 25% to 30% of the total electricity supply is consumed in the building sector, namely cooling and hot water heating. The technical and commercial energy losses lie in the range of 25% to 30% (some sources say 40%).

2.3 ECOWAS Policy Response

As a policy response to the rising energy security concerns, continued lack of access to energy services and the need for climate change mitigation, the ECOWAS Commission took a pioneering role in the promotion of renewable energy and energy efficiency energy technologies and services. The experience of other regions (e.g. European Union) has shown that regional integration can be a useful tool to mainstream RE&EE into energy policies, laws and promotion schemes at national levels and to mitigate existing barriers:

- In 2003 the ECOWAS Energy Protocol envisaged the improvement of energy efficiency and increased use of RE sources.
- The West African Power Pool (WAPP) and its Master Plan, revised in 2011, aim at the creation of a regional electricity market by 2020/25. The expansion of electric generation capacity derives primarily from large hydro resources.
- In 2006 the ECOWAS/UEMOA White Paper on access to energy services for populations in rural and peri-urban areas foresees that at least 20% of new investments in electricity generation should derive from locally available renewable resources.
- In 2010 the ECOWAS Energy Ministers with support of the Governments of Austria, Spain and technical assistance of the United Nations Industrial Development Organization (UNIDO) established the ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE), the first regional renewable energy promotion agency in Sub Sahara Africa.
- In 2011 the ECOWAS Commission launched two projects to develop the Regional Renewable Energy Policy and the Regional Policy on Energy Efficiency. Both policy processes are coordinated by ECREEE with support of the Africa-EU Renewable Energy Cooperation Programme (RECP) and the ACP-EU Energy Facility of the European Union. The ECOWAS policies will suggest minimum targets and scenarios for RE&EE and a broad range of measures, standards and incentives to be implemented on regional and national levels.

2.4 Supporting Energy Efficiency Access in West Africa (SEEA-WA) Project

The ECOWAS Energy Efficiency Policy is developed under the Supporting Energy Efficiency Access In West Africa (SEEA-WA) Project. SEEA-WA is a regional project to support the implementation of energy efficiency measures within ECOWAS. It is executed by ECREEE in partnership with the Austrian Energy Agency (AEA), Alternative for Energy, Renewable Energy and Environment (AERE), Innovation, ENERGIA and ENDA. It receives financial support from the ACP-EU Energy Facility, the Agency for Environment and Energy Management (ADEME) and the United Nations Development Programme (UNDP).

It aims to overcome the obstacles of technical, financial, legal, institutional, social, and related capacity building issues that hinder the penetration of energy efficiency measures in ECOWAS Member States. Managed by ECREEE, SEEA-WA seeks to combine energy efficiency in synergy with the ongoing work on renewable energy to expand energy access. The total duration of SEEA-WA implementation is forty (40) months.

The overall objective of SEEA-WA is to improve framework conditions for access to energy services, by supporting the creation of a regional programme on governance related to energy efficiency and access. The specific objectives are to:



- Develop favorable policy and regulatory framework conditions conducive for the promotion energy efficiency;
- Raise awareness within policy makers and commercial actors in the energy value chain on energy efficiency;
- Build capacity at the regional and national level to facilitate the implementation of energy efficient technologies within the ECOWAS region.

The main activities include:

- Energy Efficiency stock taking and diagnosis in ECOWAS countries;
- Regional and national level institutional capacity building and knowledge sharing;
- Development of the ECOWAS Regional Energy Efficiency Policy document;
- Content and visual identity;
- Carry out national campaigns focused on key intermediaries;
- Carry out regional and national media campaign focused on the general public;
- Regional and national capacity building on technical issues;
- Development of smart financing mechanism;
- Exchange of technical experience.

2.5 Regional Renewable Energy Policy in West Africa (RREP-WA) Project

The ECOWAS Renewable Energy Policy is developed under the Regional Renewable Energy Policy in West Africa Project (RREP-WA). The policy is developed with technical assistance of the EUEI-PDF employing the consultants Innovation, Energy and Development (IED). It is co-funded by the Africa-EU Renewable Energy Cooperation Programme (RECP) under the umbrella of the Africa-EU Energy Partnership. The project aims at the elaboration of the ECOWAS Renewable Energy Policy and its implementation through targeted national follow-up activities. The regional policy is a first step towards aligning the regional and national government's energy policies, legislative and regulatory procedures in a systematic approach. The policy will set attainable targets at regional level harmonized with national targets and will propose a portfolio of policy measures, laws, regulations and incentives to be implemented on national and regional ECOWAS levels. The execution of the policy at regional and national levels will facilitate RE investments and therefore lead to an improvement of the energy security, energy access and reduction of environmental externalities of the energy system (e.g. climate change mitigation, local pollution).

3. Workshop Objectives

A. Validation seminar on the draft documents of the ECOWAS Renewable Energy and Energy Efficiency Policies

The seminar aims at the validation of the RE&EE draft policy documents by the nominated representatives of the ECOWAS Ministries of Energy. After this consultative process, it is envisaged that the two policy documents will be presented for adoption by the ECOWAS Energy Ministers during the ECOWAS High Level Forum "Paving the Way for Sustainable Energy for All in the ECOWAS Region through Renewable Energy and Energy Efficiency", scheduled to take place from 29 to 31 October 2012, in Accra, Ghana. The Forum is organized by ECREEE in partnership with the Global Forum for Sustainable Energy (GFSE), and the United Nations Industrial Development Organization (UNIDO). The event will be hosted by the Government of Ghana and is supported by the Governments of Austria, France, Spain and the European Union.



B. One-day Training on "Sustainable Energy and Gender"

The seminar is co-organized with ENERGIA and will introduce the participants in ways how to mainstream gender issues in energy policies and will particularly highlight the inclusion of renewable energy and energy efficiency technologies and solutions. Separate information on the training will be provided.

C. Separate session on RE&EE data verification

At the margins of the workshop ECREEE will organize a separate session to validate the national related in-detail data to be provided by the RE&EE policy documents and the ECOWAS Observatory for Renewable Energy and Energy Efficiency (EORE). Selected experts from the ECOWAS countries will participate in this meeting. The web-based Observatory, EORE, will be launched in October 2012 and will provide relevant RE&EE market information and data for interested investors.

4. Workshop Results

The workshop will generate the following results:

1. RE&EE policy documents are reviewed and validation
2. Data and scenarios provided by the RE&EE policy documents and the ECOWAS Observatory for Renewable Energy and Energy Efficiency are verified by the member states
3. The understanding of gender issues and incorporating these aspects in renewable energy and energy efficiency policies and programs is enhanced

5. Participants

Participants will be drawn from:

- Ministries of Energy of ECOWAS Member States;
- Regional and International Experts;
- SEEA-WA Partners;
- Energy Efficiency Technical Committee;
- RREP-WA partners;
- International Organizations (IRENA, UNIDO, UNDP, IAEA, EU)
- Other stakeholders in renewable energy and energy efficiency.

6. Supporters





7. Date and Venue:

- a. Date: 25-28 June, 2012
- b. Venue: Hôtel Radisson, Dakar, Senegal

8. Draft Program:

Monday, 25th June, 2012	
Validation of the Draft ECOWAS Energy Efficiency Policy	
8:30-09:00	Registration of Participants
09:00 -10:00	Opening and Welcome Addresses
10:00 – 10:30	Coffee break
10:30 – 11:30	Presentation of the draft ECOWAS Regional Energy Efficiency Policy, ECREEE and SEEA-WA partners
11:30 - 13.00	Discussion of the policy document
13:00 – 14:30	Lunch
14:30 – 16:00	Discussion of the policy document
16:00 – 16:30	Coffee break
16:30 – 18.00	Discussion of the policy document
Tuesday 26th June, 2012	
Validation of the Draft ECOWAS Renewable Energy Policy	
09:00 – 10:00	Presentation of RE Baseline Report and ECOWAS Regional Renewable Energy Policy, IED and ECREEE
10:00 – 10:30	Coffee break
10:30 – 12:00	Discussion of the RE baseline report and draft ECOWAS Regional Renewable Energy Policy
12:00 – 13:00	Discussion of the policy document
13:00 – 14:30	Lunch
14:30 – 16:00	Discussion of the policy document
16:00 – 16:30	Coffee break



16:30 – 18:00	Discussion of the policy document
Wednesday 27th June, 2012	
Final Validation of the ECOWAS RE&EE Policies and Presentation of Energy Scenario Planning Tools	
09:00 - 10:30	Validation of the ECOWAS Regional Energy Efficiency Policy (EREPP)
10:30 – 11.00	Coffee break
11:00 – 13:00	Validation of the ECOWAS Regional Renewable Energy Policy (ERREP)
13:00 – 14:30	Lunch
14:30 - 16:00	Discussion about follow-up action at the national level, ECREEE Closing of the Validation Workshop, ECOWAS Commission
16:00 – 16:30	Coffee break
16:30 - 18.00	Presentation of Capacity Building Initiative on Energy Planning in ECOWAS, ECREEE Presentation of Energy Planning Tools, IAEA/UNIDO Presentation of ECOWAS Energy Planning Model, IRENA
Thursday 28th June, 2012	
Training "Sustainable Energy and Gender" and Verification of the data of the ECOWAS Observatory for RE&EE	
8:30 – 9:45	Welcome Address by Mahama Kappiah Introduction to the Workshop Participants Expectations
9:45 - 10:45	What is Gender? What are the Key Gender Concepts?
10:45 – 11:00	Coffee Break
11:00 – 12:00	What is Gender and Energy Planning?
12.00 - 13.00	Gender and Energy Efficiency Gender and Renewable Energy
13:00 – 14:00	Lunch
14.00 - 15.30	Developing Action Plans (Group Work)
15:30 – 15:45	Coffee Break
15:45 – 17:15	Presentation of ECOWAS RE&EE Observatory and Country Data validation
End of Workshop	



Workshop Secretariat

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