



IRENA-ECREEE workshop on energy planning (under the IRENA-ECREEE Capacity Building Initiative for the ECOWAS region)

10st to 12th of December 2012, Abidjan, Cote d'Ivoire

Prospectus

An ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE) activity jointly organized with International Renewable Energy Agency (IRENA)



CO-ORGANIZERS



*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*



WITH SUPPORT OF



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety



United Arab Emirates
Ministry of Foreign Affairs

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OBJECTIVES

To make energy planners in the region acquainted with energy planning methodologies by using an ECOWAS Renewable Energy Planning Tool (EREP)

PARTICIPANTS

Targeted participants are professional staff from planning office at electric utilities or specialized organizations/institutions involved in power sector planning and development. They should possess a comprehensive understanding of electricity sector development issues, and previous experience in power sector planning and policy analysis. The participation is limited to 1 person per institution.

TOOL

IRENA has developed an ECOWAS Renewable Energy Planning Tool (EREP) that is suited to analyze the deployment of renewable technologies in the power sectors in the region. IRENA adapted a West African Power Pool model developed by the IAEA by enhancing it to have finer technology resolution suitable to analyze the renewable energy supply option. EREP is built on the IAEA's modeling tool MESSAGE.

EREP includes data on all the existing power technologies as well as concrete power projects in each country (all ECOWAS countries except Cape Verde are included), and inter-linkages among each country through a regional power system can be explicitly analyzed.

DATE AND VENUE

From the 10th to the 12th of December 2012

Venue: Training Center of CIE, Abidjan (Cote d'Ivoire)

LANGUAGE

The language of instruction will be English (with simultaneous interpretation into French)



PROGRAM

Monday, 10th of December, 2012	
Day 1	
08:00	Transportation to venue
08:30 – 09:00	Opening and Welcome Addresses, ECREEE and IRENA
09:00 – 09:30	Tour de table of the assistants
Morning	The objective of IRENA's scenario work Energy planning approach WAPP Masterplan presentation
13:00 – 14:00	Lunch
Afternoon	MESSAGE methodology IRENA WAPP model introduction <ul style="list-style-type: none"> • Model structure • Scenario definitions • Discount rate and other general assumptions
18:00	Transportation to hotel

Tuesday, 11th of December, 2012	
Day 2	
08:00	Transportation to venue
Morning	IRENA WAPP model inputs review/discussion <ul style="list-style-type: none"> • Demand data • Generation technology data • Resource data • Trade data • T&D data

	<ul style="list-style-type: none"> • Investment project • Characterization of RE technologies (capacity credit, diurnal variation, etc.)
13:00 – 14:00	Lunch
Afternoon	IRENA WAPP model, detailed look at the results <ul style="list-style-type: none"> • Generation • Inter-country trade • Environmental implications • Grid vs off grid power supply
18:00	Transportation to hotel

Wednesday, 12th of December, 2012	
Day 3	
08:00	Transportation to venue
Morning	IRENA WAPP model, detailed look at the results <ul style="list-style-type: none"> • Capacity • Average generation costs • Economic implications
13:00 – 14:00	Lunch
Afternoon	Summary of the discussion during the workshop Gap analysis in the energy planning Discussion on follow up activities for capacity building in the member states with transfer of appropriate tools and training
16:45 – 17:00	Closing remarks and end of workshop
17:00	Transportation to hotel



Workshop Secretariat

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ECREEE is supported by:



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