

Regional Approaches for Sustainable Energy Development: the ECOWAS Case

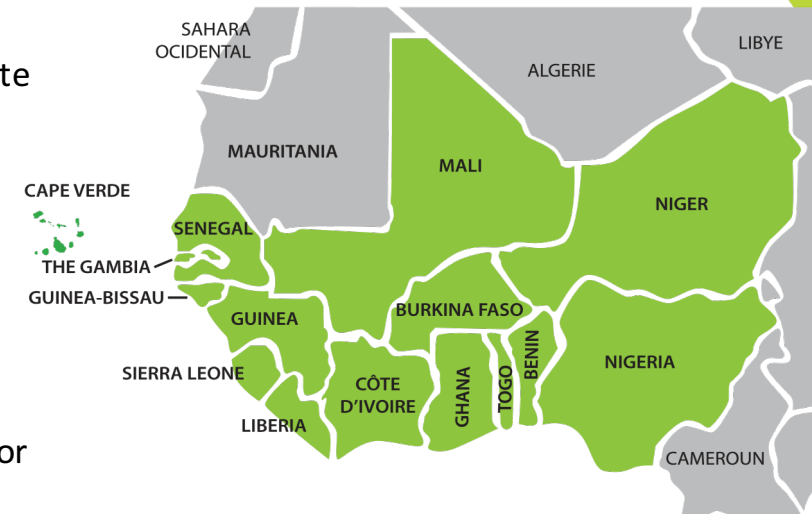


Mahama Kappiah, Executive Director
Karin Reiss, Sustainable Energy Expert, SE4ALL Coordinator



ECREEE – the ECOWAS Centre for Renewable Energy and Energy Efficiency

- Established by Regulation C/REG. 23/11/08 of the 61st Session of the ECOWAS Council of Ministers on November 23, 2008 as the ECOWAS agency with the mandate to contribute to the sustainable development of the region by promoting RE & EE markets development
- Secretariat is based in Praia, Cape Verde with National Focal Institutions (NFIs) among all ECOWAS countries
- The Centre was officially inaugurated on the 6th July 2010
- ECREEE was appointed by the ECOWAS Energy Ministers as the SE4ALL Focal Point for West Africa



Established with support of core partners:



WWW.ECREEE.ORG



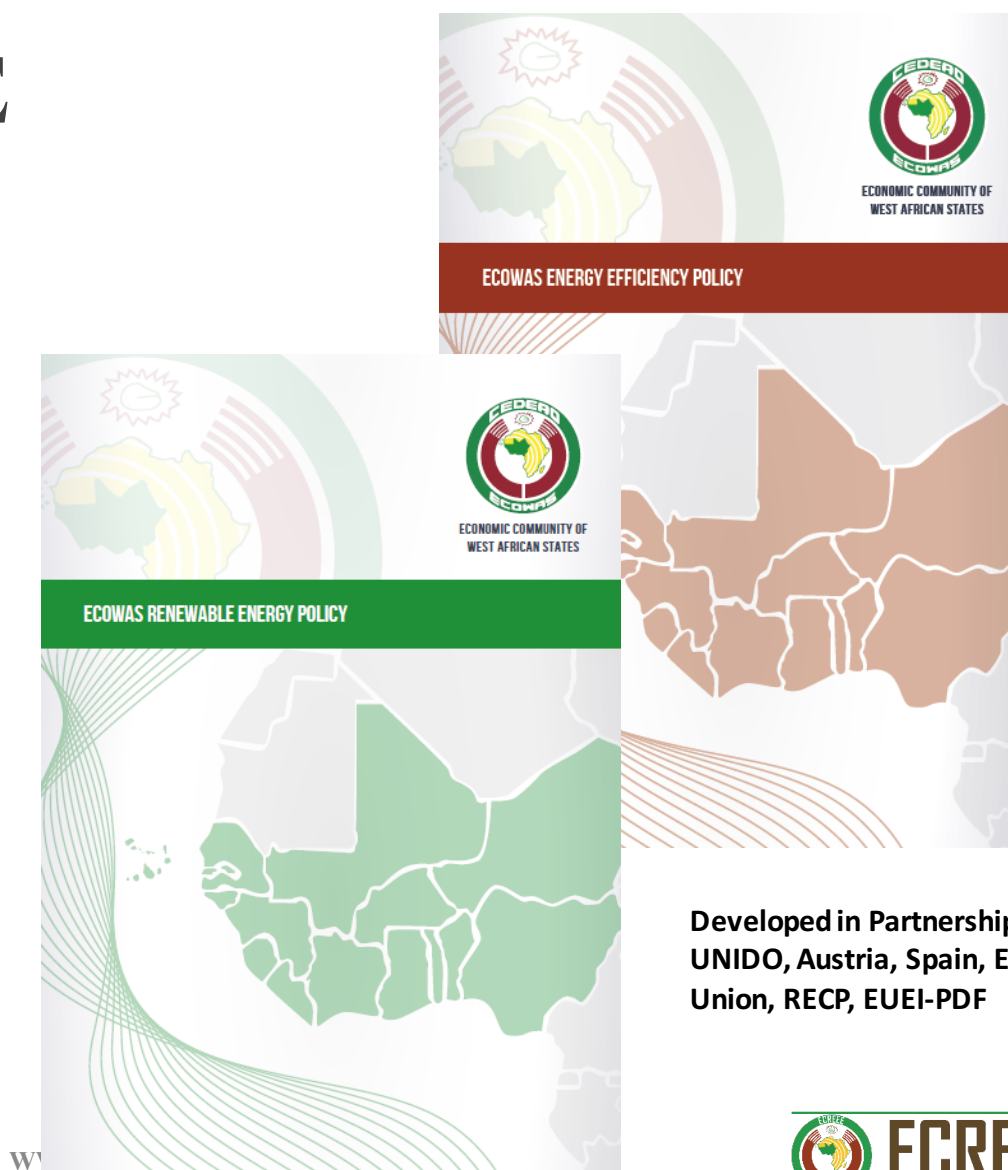
THE ECOWAS REGION

Area	5,115,000 km ²
Population	334 million
GDP per capital	US\$ 2,097
Electricity production from renewables	55.4 TWh (32%)
Installed capacity renewable energy	15.9 GW of which 4,5 GW (28%)
Access to electricity	~ 42% (2012)
Access to modern energy for cooking	~ 25% (2012)



ECOWAS RE & EE POLICIES

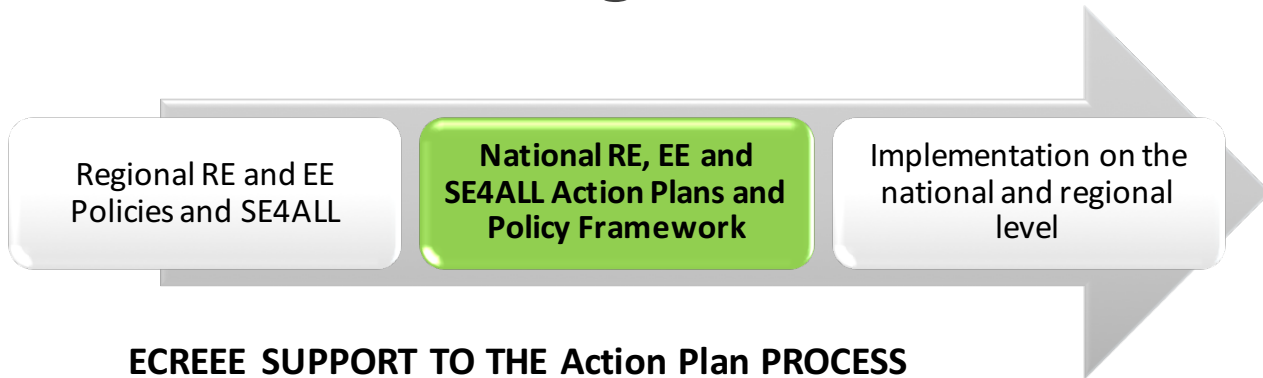
- Adopted by the ECOWAS Authority of Heads of State and Government, July 2013, Abuja
- ECREEE is coordinating the implementation of the RE and EE Policies
- ECREEE is the SE4ALL Focal Institution for ECOWAS
- Development of National Action Plans in 15 Member States



Developed in Partnership with
UNIDO, Austria, Spain, European
Union, RECP, EUEI-PDF



Development of National RE and EE Action Plans and the SE4ALL Action Agenda in ALL Member States



ECREEE SUPPORT TO THE Action Plan PROCESS

- Development of the Action Plan Templates;
- **15 national consultants to assist Member States** with the development of the Action Plans;
- **Team of international experts** to provide on-going support;
- Support towards the organisation of national Kick Off and Validation meetings;
- Review and quality assurance
- Organization of **Regional Concerted Actions** to facilitate regular exchange and collaboration among the Member States;
- Support towards formulation/revision of national RE & EE policies, laws, regulations;
- Support towards detailed resources assessment and grid capacity;
- Assist in the development of portfolios of bankable projects, project preparatory activities and mobilisation of investment.



Austrian
Development Cooperation



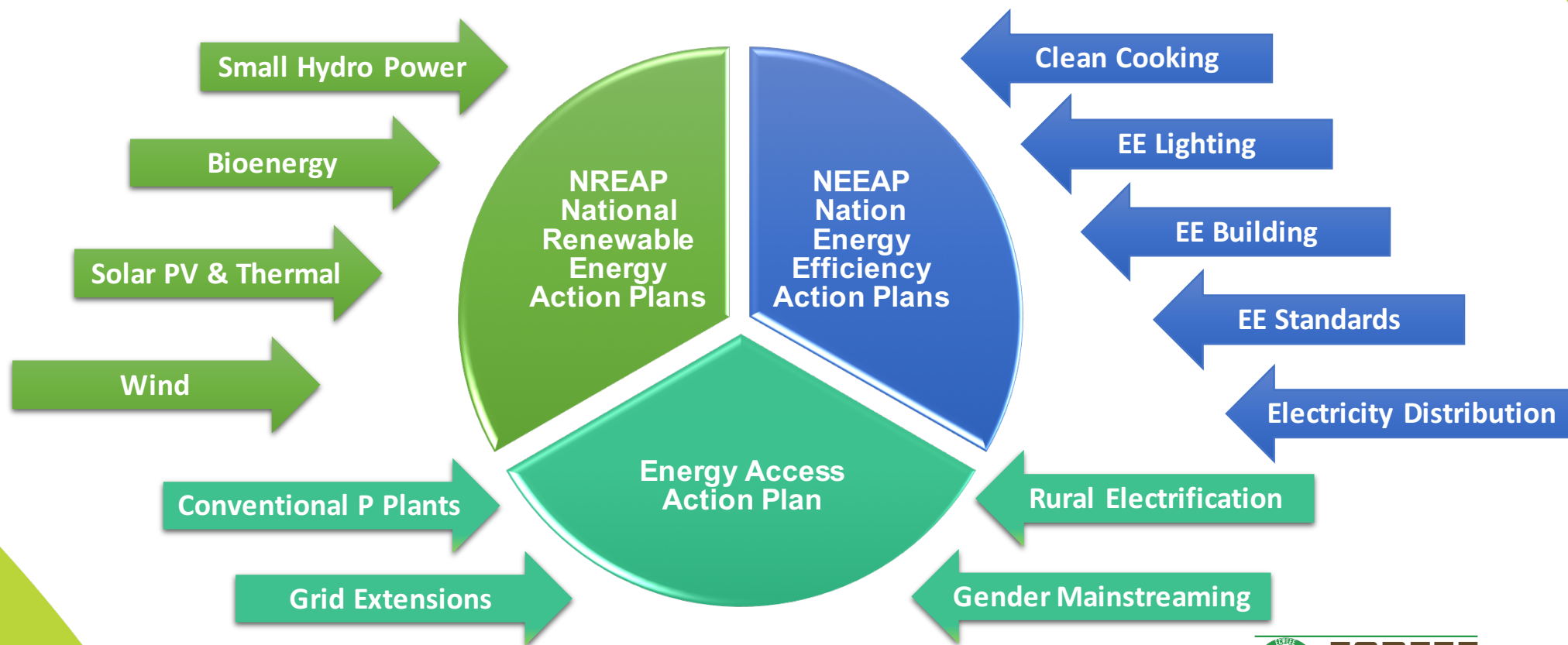
giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



IRENA
International Renewable Energy Agency



All 15 Countries have presented their SE4ALL Action Agenda in September 2015



WWW.ECREEE.ORG

THE “Abidjan Process” for concerted actions among the ECOWAS Member States in the Action Plan process—a series of meetings held in Abidjan with all ECOWAS Member States

1st Phase

- Development of the templates and procedures for the Action Plan Process
- Kick off and validation meeting of the regional process and the templates of the action plans for SE4ALL, RE and EE including a training in Abidjan, March 2014
- Contracting national consultants to assist MS with the development of the Action Plans
- Establishment of a backstopping team of international experts to provide on-going support

2nd Phase Development of the Action Plans at National Level

- High Level Kick-Off Meeting in each MS
- Data collection and Validation of the Baseline report (national workshop)
- National Stakeholder Consultations/Meetings (throughout the process)
- Development of Scenarios and measures
- National Validation of the Action Plans
- National political Adoption of the Action Plans

3rd Phase

- Implementation and monitoring of the Action Plans at national and regional level – 2020/2030



THE ECOWAS PROCESS AND STRATEGY

DEVELOPMENT OF THE SUSTAINABLE ENERGY FOR ALL (SE4ALL) ACTION AGENDAS

NATIONAL RENEWABLE ENERGY ACTION PLANS (NREAPs)

NATIONAL ENERGY EFFICIENCY ACTION PLANS (NEEAPs)

MILESTONES FOR THE DEVELOPMENT OF THE PLANS AT NATIONAL LEVEL



Within the Scope of

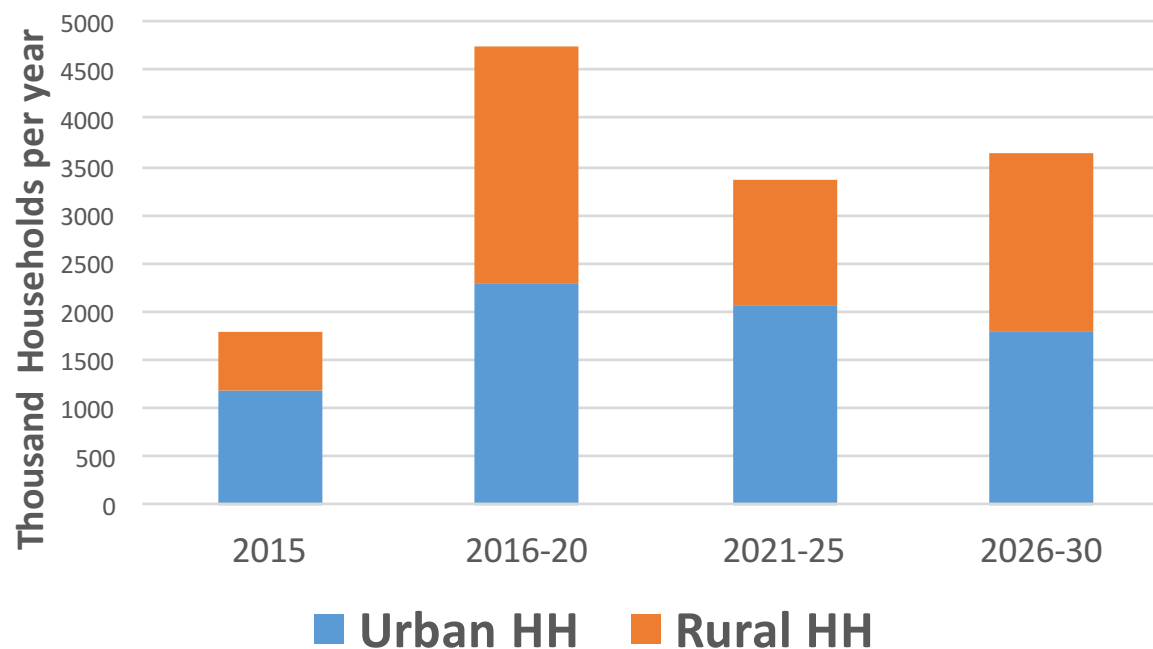


Summarizing the targets of the 15 Country Action Plans

Planned Increase in Electrification

- The Electrification rate will increase from 42% (2012) to 100% (2030)
- Over 60 mHHs will gain access to electricity for the period 2015-2030
- No of HHs electrified (on-grid and off-grid) from 1.7 to 4.7 mHH/yr

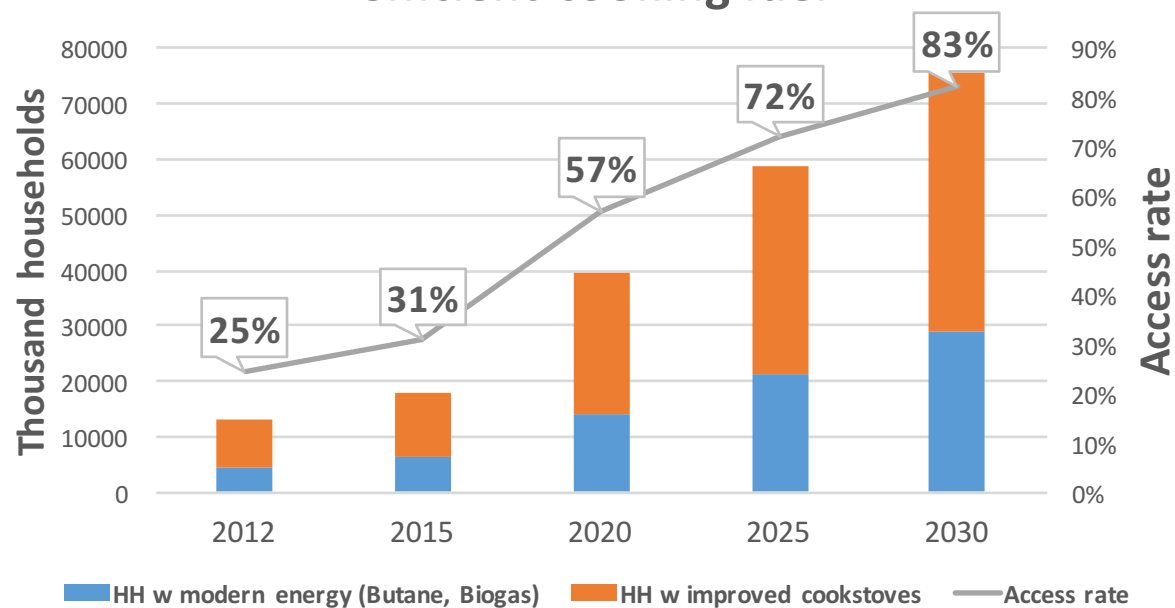
Annual number of connected Households



Target on modern & efficient fuel access

- The access to modern cooking fuel from 25% (2012) to 83% (2030)
- Over 60 m hhs to gain access from 2015-2030
 - HHs to have access to LPG - 25m, Averagely 0.6 - 1.5mHH/yr
 - LPG consumption- 0.5 - 3.5 mt/yr
 - Hhs to have access to ICS- 35m, Averagely 1.1 -2.7 mHH/yr

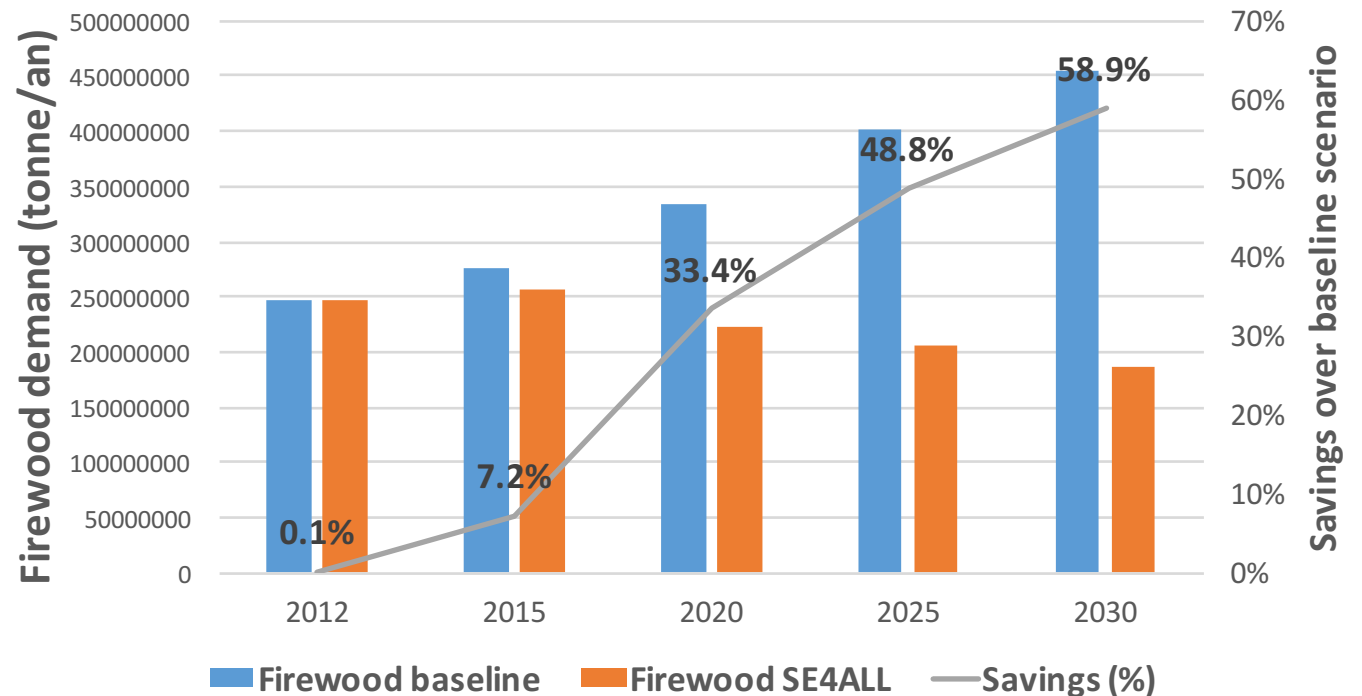
ECOWAS targets for access to modern & efficient cooking fuel



Planned Evolution of Biomass Consumption

- The promotion of LPG and improved cook stoves will curb firewood demand to sustainable supply levels:
 - Less than 200 mt/yr in 2030,
 - Instead of current 250mt/yr
 - BAU case-450 mt/yr

Primary Firewood demand in ECOWAS region



ECREEE –12 regional Programs to support the implementation of the regional RE and EE policies– towards sustainable Energy in ECOWAS

Sustainable Energy Policy Program

SE4ALL Program

Capacity Building and Knowledge Management

RURAL ELECTRIFICATION Program

Energy Efficiency Program

Project Development and Finance Program

Bioenergy Program

Solar Thermal Program

Clean Cooking Program (WACCA)

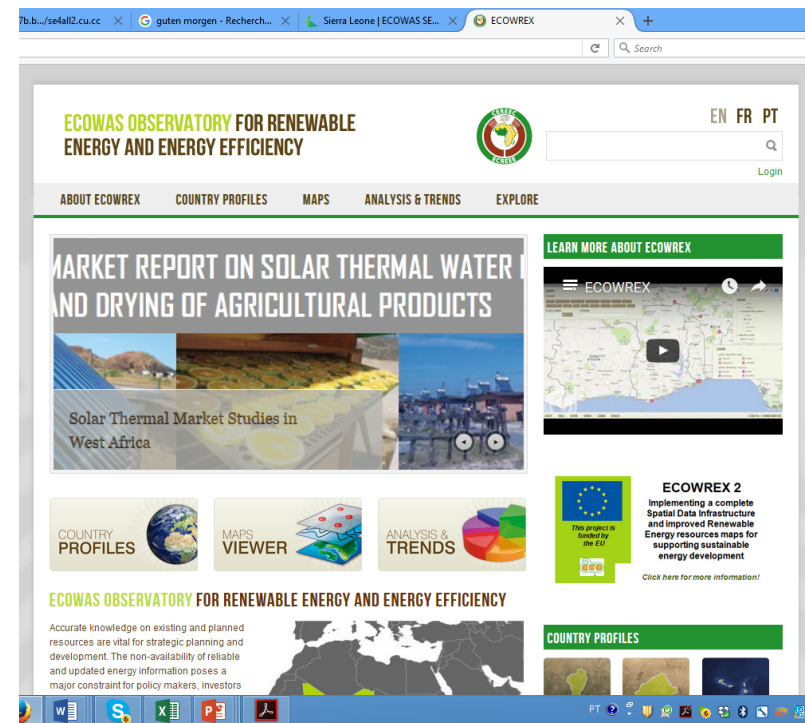
Program on Gender Mainstreaming in Energy Access

Climate Change Program

Small Hydro Power Program

Monitoring Framwork for the Action Plans

- Framework has been agreed at the SE4ALL Investment Forum in Abidjan by all Member States
- Important to link it to the Global Tracking Framework
- Monitoring framework will be validated by all Member States
- Annual update on status of implementation through national Monitoring reports
- Published on the ECOWAS RE and EE Observatory www.ecowrex.org and the website of the ECOWAS SE4ALL Network www.ecowas-se4all.org



Investment Prospectus



ECOWAS FRAMEWORK FOR THE DEVELOPMENT OF SE4ALL INVESTMENT PROSPECTUS

DRAFT, FOR PRESENTATION TO THE MEMBER STATES

ECOWAS Centre for Renewable Energy and Energy Efficiency
(ECREEE)

The document is confidential and not for wider circulation

- The Framework is developed by ECREEE in collaboration with partners
- The Framework is based on the IP Guiding Principles developed by the Africa HUB
- It includes the process and a draft outline of the Investment Prospectus
- It will be shared with all SE4ALL partners for contribution

- The Framework will be presented to all Member States for discussion and validation.

- The IP covers the whole period of the Action Agenda and projects will be structured periodically.

Short Term	Medium Term	Longer term
Projects to be implemented between 2016 - 2020	Projects to be implemented between 2021 -2025	Projects to be implemented between 2026-2030

WWW.ECREEE.ORG



Website Launch – ECOWAS SE4ALL Network!!!!

ECOWAS SE4ALL NETWORK

HOME SE4ALL IN ECOWAS REGIONAL ACTIONS COUNTRY ACTIONS NEWS AND EVENTS SE4ALL ACTIONS CONTACT

CLICK ON A COUNTRY TO EXPLORE ACTIONS

Area: Cape Verde, Senegal, Gambia, Guinea-Bissau, Guinea, Sierra Leone, Liberia, Cote d'Ivoire, Ghana, Togo, Benin, Mali, Niger, Burkina Faso, Nigeria

NEWS
02/03/2016 - 10 MW Solar PV PPA signed in the Gambia Read more

EVENTS
04/27/2015 - ECOWAS Capacity Building Workshop on Sustainable Management of Forest (SMF) with a focus on REDDs Read more

ECREEE SUSTAINABLE ENERGY FOR ALL

ECOWAS SE4ALL NETWORK

HOME SE4ALL IN ECOWAS REGIONAL ACTIONS COUNTRY ACTIONS NEWS AND EVENTS SE4ALL ACTIONS CONTACT

EN FR PT

SEARCH

PUBLISH YOUR ACTION

ECOWAS SE4ALL NETWORK

HOME SE4ALL IN ECOWAS REGIONAL ACTIONS COUNTRY ACTIONS NEWS AND EVENTS SE4ALL ACTIONS CONTACT

SIERRA LEONE

COUNTRY OVERVIEW

Area	72300.00 km2
Population	~ 6 million
GDP per capita	680 USD
Access to electricity	~ 12 %
Access to Modern Energy for Cooking	~ 1 %
Electricity Production	~ 179 GWh, 78 . 4 % from Renewables
Installed Capacity	~ 98 MW of which 58 . 5 MW Renewables (~59 %)

Introduction:

Currently, the electricity sub-sector in Sierra Leone faces challenges with less than 13% access in 2013. The energy consumption in Sierra Leone is dominated by biomass, which accounts for over 80% of energy used. The largest source of biomass energy is wood fuel followed by charcoal. Imported petroleum products are the next largest source of power at approximately 13%.

The demand for energy in Sierra Leone far exceeds supply and the sector faces the following challenges:

- Dilapidated transmission and distribution system resulting in high technical losses, estimated at about 40% of units generated.
- Generation capacity is insufficient. Only about 13% of the population has access to electricity from the

DOWNLOADS
Sierra Leone REEE Action Plan

ECREEE Partners

CORE



NEW



INVESTMENT



TECHNICAL



OTHER



WWW.ECREEE.ORG



Thank You

Mahama Kappiah, Executive Director

mkappiah@ecreee.org

Karin Reiss, Sustainable Energy Expert,
SE4ALL Coordinator

kreiss@ecreee.org