



ECOWAS REGIONAL RENEWABLE ENERGY POLICY (RREP-WA)

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Context

- Growing energy deficit in the ECOWAS
- Volatility of oil price on power generation costs and on national economy
- Many member states are mainstreaming renewable energy into their national policies
 - Cape Verde, Gambia, Ghana, Senegal, Niger, Nigeria and Sierra Leone
- But existing institutional and regulatory frameworks are neither conceived nor appropriate for RE production
- RE are still an ‘alien’ for power industries

Context - 2

- Having energy security and climate change concerns as threatening background, RE and EE have been acknowledged as important areas for regional cooperation and integration by ECOWAS
- Creation of ECREEE in July 2010
 - Overall objective: to contribute to the sustainable economic, social and environmental development by improving access to modern, reliable and affordable energy services
 - Specific objective: to create favorable framework conditions for RE and EE markets by supporting activities to mitigate existing technical, legal, institutional, economic, financial, policy and capacity related barriers
- Development of the ECOWAS Regional Renewable Energy Policy financed by EUEI-PDF

Objectives of the study

❑ Overall objective

- to contribute to facilitate RE investments and applications on regional and national level, which will lead to improved energy access, energy security and a reduction of the energy system's environmental impacts.

❑ Specific objectives

- to elaborate on and develop an effective regional RE policy and a related guiding strategy to be adopted by the ECOWAS Council of Ministers in 2012
- To constitute first step towards aligning the regional and national governments' policy, legislative and regulatory frameworks in a systematic approach
- To set indicative RE targets at regional level that are harmonized with national targets.
- To develop policy measures, laws, regulations and incentives to be implemented on national and, when applicable, on regional ECOWAS levels.

The contractant and his team

IED Innovation, Energy, Development
Decentralised Rural Electrification, EE and DSM,
Power Sector, Renewable sources of energy

A Consultant team

- Jean-Paul LAUDE Team
Leader EU and BF
- Silvia PUDDU (EU)
- Honorat Satoguina (Bénin)
- Dr Essel Ben Hagan (Ghana)
- Julio Castro (EU)
- Patrick Clément (EU)

Perform the
assignments

A steering committee:

- Bocar Sada Sy (Sénégal)
- Anjali Shanker (EU)
- Uyigue Etiosa (Nigeria)
- Denis Ranbaud-Méasson (EU)
- Souleymane Diallo (Mali)
- Hady Sherif (Liberia)

Back-up role
QA and Value added on the Policy
and Strategy Paper

Activities and Deliverables

- **Inception report and kick-off meeting**
 - Final inception report as road map for the study
- **Data collection and fact findings (now=01/12)**
 - Baseline report on RE situation in the ECOWAS Region and on framing of RE policy (Scenarii and Vision) 02-03/12 incl. a meeting with the ECREEE staff
- **Elaboration of ECOWAS RE Policy (04-06/12)**
 - A RE policy draft report to be discussed during a validation workshop (05/12)
- **Validation workshop**
 - Workshop proceedings
- **Final report & ECOWAS Ministers Meeting to adopt the final RE Policy Document (11/12)**

Little more detailed as the is there

□ Data collection and experts missions

▪ Three main axes:

- *Resources and technologies*: What can be achieved?
- *Policies / strategies*: What are the intentions/expectations?
- *Legislative, regulatory, financial and fiscal frameworks*:
Institutions, stakeholders, rules, tools and financing mechanisms to disposal → GAPS

□ Scenarios and vision

□ RE Policy document structure

Data Collection -1

- RE sources (in order of priority) and at a macro level
 - Hydro, biomass, solar and wind
 - Mature technologies
 - Is it 0, 10.000 or 100.000.000?
 - Wood fuel, cook stoves and charcoal burning are not taken into account

- Example

RES	Potentials	Projects on implementation	Planned projects
Large hydro	1000 MW	250 MW	400 MW

- For the pertinent projects additional data are requested (institutional and financial arrangement (subsidies, PPA FIT), investment and costs structure)
- Create a regional picture of what is sensible in terms of RES and RET contributions to the regional and national power and energy supply
 - Power to the regional grid
 - Power to national systems (central and decentralised)
 - Biofuels

Data Collection -2

- Policy: Are RES and RET part of the development policy strategy ?
 - General Policies like president or government policy papers
 - Regional White Book for Access to Modern Energy
 - DSRP and Strategies for Accelerated Economic Growth and improved social Welfare
 - Sector policies (National Energy Policies and specific RES and RET Policies)
- Status on gaps between the regional views and the national objectives and targets
 - Complementary
 - Subsidiarity

Data Collection -3

- Legislative and regulatory frameworks for energy sectors
 - Legal obligations re. RES and RET
 - Legal dispositions re. RE production and supply
 - Who is in charge and how? (GDoE, Power Utilities, RE agency, Ren agency, Private, ESCO)
 - Who controls ? (GDoE, Regulatory body)
 - Tax and incentives tools
 - Standards and norms, equipment labels and certification of skills
 - Knowledge development and HR capacity improvement
 - Banking systems (loans, credits, leasing agreements)
 - Private sector and other contributors to RE
- ***Identification of gaps within existing RE policy frameworks***

Baseline for a RE regional Policy

- Sets of feasible RES potentials and technologies (C/B ratios)
- Sets of political objectives and targets
 - Complementary and subsidiary approaches and policies and Gaps
- Gaps and incoherence in frameworks
- Baseline energy scenario for the ECOWAS region with the present contribution of Res
- Definition of two alternatives scenarii based on assumptions that will be discussed later on with ECREEE:
 - CO2 and GHG emissions mitigation → regional and national target for RES
 - Goals maximizing socio-economic impact of RES-RET on Regional/national/local economy and development
 - Economy, business and employment development → targets for emergence of regional and national industries
- After a meeting with ECREEE on the scenarii, elaboration of **a brief outlook for the contribution of RES/RET for 2030** based on a compilation of targets from the scenarii developed.

Elaboration of a RES and RET Policy

1. Definition of Development and Intermediate SMART Objectives for a regional RES/RET policy
 - **S** for Significant and Specific
 - **M** for Manageable and Meaningful and Measurable
 - **A** for Agreed, Assignable, Achievable, Appropriate
 - **R** for Realistic and Relevant
 - **T** for Timely Time-framed
2. Expected results incl. measurable indicators
3. Building an manageable and assignable legislative and regulatory framework
4. Promoting an enabling fiscal and financial framework
5. Re-enforcing Normes, Standards, Labelling and Certification
6. Nursing Capacity Developement at regional and national level
7. Facilitate RES/RET projects with regional scale and impacts
8. Create synergies to the parallel process to develop a reg. EE White Paper
9. Secure the coherence of RES/RETs Policy with other sector and general policies (EE, Power Generation and transmission capacities within the WAPP, Regional objectives turned into national objectives in National RE Policy and included in general national development policies)

Study time schedule (tentative)

- ❑ Kick-off meeting Accra October 2011
- ❑ Data collection November 2011 to January 2012
 - Fields missions Mid november-January 2012
- ❑ Baseline for RE situation, scenarii and policy outlook February-Mars 2012
 - technical meeting with ECREEE, End of February 2012
 - Final Report End of Mars 2012
- ❑ Elaboration of the RE Policy April to June 2012
 - A draft report end of April 2012
 - A regional workshop mid May 2012
 - Final Policy and Strategy report end of June 2012
 - ECOWAS Ministers Meeting adopts RE policy November 2012



**We are looking forward to your
collaboration !**



*Regional Centre for Renewable Energy and Energy Efficiency
Centre Régional pour les Energies Renouvelables et l'Efficacité Energétique
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