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

129364 – ENERGY FACILITY, FED/2009/240

4th Narrative report Year 2

(10 August 2012 - 10 August 2013)



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

**SUPPORTING ENERGY
EFFICIENCY FOR ACCESS
IN WEST AFRICA
(SEEA-WA) PROJECT**

14th August 2013

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1. Introduction

The project "Supporting Energy Efficiency for Access in West Africa" (SEEA-WA) is a regional project to support the implementation of energy efficiency measures within ECOWAS. 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. Based within ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE), SEEA-WA seeks to combine synergies between energy efficiency and ongoing work on renewable energy to expand energy access. The total project duration is 40 months, starting 10th August 2011.

The project is funded by the European Commission through the ACP-EU Energy Facility-II, with co-financing from Agence de l'environnement et de la maîtrise de l'énergie (ADEME) of France and the UNDP-PREP programme and complemented by ECREEE's own resources.

The project is being implemented by ECREEE, in partnership with:

- the Austrian Energy Agency (AEA)
- Alternatives pour l'Énergie, les Énergies Renouvelables et l'Environnement (AERE)
- the International Network on Gender and Sustainable Energy (ENERGIA)
- the European Copper Institute (ECI)
- and ADEME.

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:

- Aid the development of policies and regulatory frameworks necessary for the adoption of energy efficiency measures;
- Raise the awareness of policy makers, and commercial actors in the key areas of the energy value chain;
- Build capacities at the regional and national levels to facilitate the implementation of energy efficient technologies.

The project commenced officially on 10th August 2011 with a successful kick-off meeting, which was held on the occasion of the ECREEE Regional Workshop - "Accelerating Universal Energy Access Through the Use of Renewable Energy and Energy Efficiency", from 24th to 26th of October 2011 in Accra, Ghana. Present at the launch were representatives of the European Commission, co-donors and all project implementation and associate partners, representatives from the Ministries of Energy, Environment and Finance of all 15 ECOWAS Member States, as well as local and international media.

The main activities to be carried out under the project include:

- Energy efficiency appraisal and diagnosis in ECOWAS countries;
- Regional level institutional capacity building and knowledge sharing;
- National level institutional capacity building, knowledge sharing and institutional change;
- Development of ECOWAS Regional Policy on Energy Efficiency;
- Energy efficiency prioritization and scope;
- Content and visual identity;
- Regional and national media campaigns focused on the general public;
- Regional and national capacity building on technical issues;
- Regional and national financial tools;
- Integration of gender in project activities;
- Exchange of technical experience.

Key 1st Year Milestones

The following milestones were achieved during the first year of the project implementation (10 August 2011 - 10 August 2012):

- Establishment of a regional network of competence centres and national focal institutions;
- A series of stock-taking missions to the 15 ECOWAS countries;
- Diagnostic country reports
- Elaboration of a regional policy on energy efficiency;
- Presentations meeting of the Energy Efficiency Technical Committee (EETC);
- Validation of the regional EE policy by Experts Group Meeting, Dakar, June 2012
- Establishment of an EE Technical Committee;
- Awareness raising on the potential of energy efficiency;
- Organisation of two regional workshops;
- Organisation of training on "sustainable energy and gender".
- 1st , 2nd and 3rd SEEA-WA coordination meetings;
- Participation in two workshops on energy efficiency organised by other partners;
- Visibility and Communication activities are made;

Activities Undertaken during the second year of the Project

This annual report provides a summary of activities carried out during the second year of the project, from 10th August 2012 to 10th August 2013 as follows:

- Establishment of a network of regional competence centres and national focal institutions;
- ECOWAS High Level Forum and Adoption of the regional energy efficiency policy by the 11th Meeting of ECOWAS Energy Ministers, Accra, October 2012
- Adoption of the regional energy efficiency policy by the 70th Ordinary Session of the ECOWAS Council of Ministers, Abidjan, June 2013;
- Adoption of the regional energy efficiency policy by the 43rd Ordinary Session of the ECOWAS Authority of Heads of State and Government, Abuja, July 2013;

- Implementation of the initiatives on energy efficiency:
 1. ECOWAS initiative on efficient lighting,
 2. ECOWAS initiative on standards and labelling,
 3. ECOWAS Initiative on Efficient, Affordable and Sustainable Cooking,
 4. ECOWAS Initiative on High Performance Distribution of Electricity,
 5. ECOWAS initiative on energy efficiency in buildings,
 6. ECOWAS Initiative on Financing Sustainable Energy,
 7. ECOWAS Programme on Gender Mainstreaming in Energy Access.

2. Project Description

Name of beneficiary of grant contract	Economic Community of West African States (ECOWAS)
Name and title of contact person	Mahama Kappiah Executive Director, ECREEE
Name of partners in the action	<ul style="list-style-type: none"> • ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) • Austrian Energy Agency (AEA) • Alternatives pour l'énergie, les énergies renouvelables et l'environnement (AERE) • ETC Foundation – ENERGIA • European Copper Institute (ECI) • Agence de l'environnement et de la maîtrise de l'énergie (ADEME) • Environment Development Action (ENDA)
Title of the action	Supporting Energy Efficiency for Access in West Africa (SEEA-WA)
Contract number	129364 – ENERGY FACILITY, FED/2009/240
Start date and end date of the reporting period	10 th August 2012 to 10 th August 2013
Target countries or region	West Africa, ECOWAS countries
Final beneficiaries and/or target groups (if different), including numbers of men and women	Citizens of ECOWAS countries, including the minority who currently have access to modern energy but are faced with high prices and unreliable services, and the majority for whom gaining access to affordable modern energy depends on reducing costs so as to make access programmes economically viable.
Countries in which the activities take place	West Africa, ECOWAS countries

3. Status of implementation of the actions

3.1. Establishment of a network of regional competence centres and national focal institutions

During the first year of its operation in 2010, ECREEE established a strong regional network on Energy Efficiency, the National Focal Institutions (NFIs). This network, which comprises the representatives of the ministries of Energy and other technical institutions in the field of energy efficiency of all ECOWAS Member States has been further enlarged to include the National Competence Centres,

The National Competence Centres, working in close cooperation with the NFIs, will be fully engaged in all SEEA-WA project tasks and will ensure the implementation of EE activities within the framework of this project and beyond. The competence centres, will participate in training and workshops to enhance their capacity to further improve energy efficiency in their respective countries and throughout the region. They also have a strong role in knowledge dissemination within relevant national stakeholders.

- **Competence Centers Type 1:** These are institutions with general expertise in energy efficiency. They are expected to provide support to the project, especially in the development of energy efficiency policy. These institutions will also participate in training workshops in order to strengthen their capacity.

Contracts with the Competence Centres Type 1 are limited to 10,000 EUR. Competence centres Type 1 were selected through a call for proposals published on the ECREEE website and in consultation with the respective NFIs.

- **Competence Centres Type 2:** This category will support the implementation of the project with specific expertise, namely energy efficient cooking, energy efficiency standards and labeling, and energy efficiency in buildings.

Contracts with the Competence Centres Type 1 are limited to 20,000 EUR. Competence centres Type 1 were selected through a call for proposals published on the ECREEE website and in consultation with the respective NFIs.

During this period, contracts were signed with three energy efficiency competence centres, bringing to 11 the total number of contracts signed. Six competence centres participated in the High Level Forum in October 2012 in Ghana, where the Regional Energy Efficiency Policy was presented for adoption by ECOWAS Energy Ministers. Other competence centres were unable to participate due to bank transfer difficulties which delayed payments of their first installments.

3.2. ECOWAS high level forum and the Adoption of the regional energy efficiency policy by ECOWAS Energy Ministers

3.2.1 ECOWAS high level forum

ECOWAS PLEDGES SUPPORT FOR SUSTAINABLE ENERGY FOR ALL IN WEST AFRICA

The ECOWAS Commission, through ECREEE, and in collaboration with the Government of Ghana, the Global Forum on Sustainable Energy (GFSE), the Global Environment Fund (GEF) and the United Nations Industrial Development Organisation (UNIDO) organised a high level energy forum in Accra, Ghana, from October 29 – 31, 2012, under the theme Towards Sustainable Energy for All in West Africa: Paving the way through Renewable Energy and Energy Efficiency. The event was organized under the auspices of the UN Sustainable Energy For All (SE4ALL) Initiative, which aims, by 2030, to: ensure universal access to modern energy services; double the share of renewable energy in the global energy mix; and double the global rate of improvement in energy efficiency.

The forum was formally declared opened by Mr. Emmanuel Amah Kofi Buah, Deputy Minister for Energy, Ghana. In his opening address, Mr. Buah noted that the issue of poverty in West Africa cannot be solved without the region achieving universal access to energy. In support of this statement, Dr. Kandeh Yumkella, Director General of UNIDO, and Chair of UN-Energy, commented that the forum presented an opportunity for the policy makers in the ECOWAS region to draw up concrete actions for



H.E. Kadrè Désiré Quedraogo, President of the ECOWAS Commission

achieving sustainable energy for all. Ms. Irene Giner-Reichl, President of the GFSE, commended the ECOWAS Commission for its determination towards ending the energy crises in its region. She added that this determination has been recognized by other sub-regions in the continent- the Southern African Development Community (SADC) and the Eastern African Community (EAC) - and has encouraged them to do the same. Ms. Giner-Reichl urged the Ministers to continue in their effort to end energy poverty.

The forum brought together over 320 participants, including ECOWAS energy and environment ministers, lead-

ers of international organizations, diplomats, and other major players to facilitate the establishment of a regional implementation framework for the SE4ALL Initiative in the ECOWAS region.

The forum featured a meeting of ECOWAS Energy Ministers which adopted resolutions relating to the ECOWAS Policy on Renewable Energy, ECOWAS Policy on Energy Efficiency, ECOWAS Small Hydro Power Program, and the ECOWAS Bioenergy Strategy Framework.

The forum also witnessed the official launch of the ECOWAS Energy Efficiency initiatives on standards and labelling, lighting, electricity distribution and efficient cooking. The ECOWAS Observatory for Renewable Energy and Energy Efficiency (ECOWREX), developed within the framework of the implementation of the GEF-UNIDO Strategic Program for West Africa (SPWA), was also launched at the event.

"ensure universal access to modern energy services; double the share of renewable energy in the global energy mix; and double the global rate of improvement in energy efficiency."

ECREEE, in collaboration with the Government of Ghana, the Global Forum Sustainable Energy (GFSE), the Global Environment Fund (GEF) and the United Nations Industrial Development Organisation (UNIDO) organised the ECOWAS high level energy forum on Sustainable Energy for All in West Africa in Accra, Ghana, from October 29 – 31, 2012.

The event was organized under the auspices of the UN Sustainable Energy For All (SE4ALL) Initiative, which aims, by 2030, to: ensure universal access to modern energy services; double the share of renewable energy in the global energy mix; and double the global rate of improvement in energy efficiency.

The forum, which brought together over 320 participants, including ECOWAS energy and environment ministers, CEOs international organizations, diplomats, was opened by H.E. Amb. Victor Gbeho, representing the President of Ghana, and addressed by, Dr. Kandeh Yumkella, Special envoy of the UN Secretary General for SE4All, EU

Ambassador to Ghana, representing the EU commissioner for integration, H.E. Mr. Kadre Ouadraogo, President of the ECOWAS Commission.



From L-R: H.E. Victor James Gbeho, Representative of H.E. the President of Ghana; H.E. Kadre Désiré Ouedraogo, ECOWAS President; H.E. Claude Maerten, Ambassador and Head of the EU Delegation to Ghana; and Kandeh Yumkella, UNIDO Director General

Figure : Sustainable Energy Forum, 31st October 2012, Accra

The climax of the forum was the meeting of ECOWAS Energy Ministers which adopted the ECOWAS Regional Policies for Renewable Energy and Energy Efficiency alongside ECOWAS Small HydroPower Program, and the ECOWAS Bioenergy Strategy. The forum also witnessed the launch of the ECOWAS Energy Efficiency initiatives on standards and labelling, lighting, electricity distribution and efficient cooking, financing, and the ECOWAS Observatory for Renewable Energy and Energy Efficiency (ECOWREX). (See Annex 16. Speech of the Director General of UNIDO and Chair of UN Energy).

3.2.2 Adoption of the ECOWAS Regional Policy on Energy Efficiency by ECOWAS Energy Ministers

A significant milestone for Year 1 task involved the development of the ECOWAS Energy Efficiency Policy. The policy includes a status quo analysis, an identification of barriers and opportunities, and energy efficiency objectives and targets, was validated and adopted by the Director Generals for Energy of ECOWAS Member States in Dakar, Senegal on 25-28 June 2012, which recommended the draft policy document for the adoption of the ECOWAS Energy Ministers.

The ECOWAS Energy Ministers' Meeting which took place on 31 October 2012 in Accra, Ghana during the ECOWAS High level forum Chaired by Oluniyi Robbin-Coker, Minister for Energy and Water Resources of Sierra Leone and addressed by M. Ebrima Njie, ECOWAS Commissioner for Infrastructure, and Mr. Emmanuel Armah Kofi Buah, Deputy Minister for Energy, Ghana. The Energy Ministers took note of the presentation of the Chairman of the experts, Mr. Armand Dakehoun, Ministry of Energy, Benin, on the draft policy documents for RE and EE and upon careful deliberations and some amendments, adopted the two policy documents and recommended that they will present to the next session of the ECOWAS Council of Ministers. (See Annex 11. Final Resolution on ECOWAS' Energy Efficiency Policy).

The overall objective of a regional policy by 2020 is to improve energy efficiency in the ECOWAS Regions to levels of international standard.

The energy efficiency policy strategy will add value through regional support to national efforts. The strategy focuses on:

- a **harmonised policy, and legal and regulatory framework in energy efficiency** for the ECOWAS region, including energy efficiency labels and standards. ECOWAS will support member states in adopting national energy efficiency targets and action plans. Policies will be designed to be gender responsive, and will aim at encouraging private investment so as to create a regional market for energy efficient technologies. The energy efficiency policy is also linked to ECOWAS' Policy on Renewable Energy.
- Regional **coordination of capacity building** to create the necessary institutional and human skills to implement energy efficient technologies. Exchange of experience will facilitate the dissemination of lessons learned and best practices, for both public and private actors.
- **Awareness raising** for energy users and the multiple decision makers in the design, purchase and maintenance of energy appliances / equipment, from the simple cook stove to complex industrial systems. The ECREEE Observatory for Renewable Energy and Energy Efficiency (ECOWREX) will serve as a platform for information on energy efficiency technologies, potentials, investments and business contacts.
- **Financial instruments** to enable users pay for energy efficient equipment through future energy savings.
- The specific target of the regional policy is to implement efficiency measures that save up to 2 000 MW of installed generation capacity by 2020. This will be
 - achieved as follow: phase out inefficient incandescent lamps by 2020;
 - reduce average losses in electricity distribution from the current levels of 15 - 40% to the world standard levels of below 10%, by 2020;
 - achieve universal access to safe, clean, affordable, efficient and sustainable cooking for the entire population of ECOWAS, by 2030;
 - adopt region-wide standards and labels for major energy equipment by end of 2014;
 - develop and adopt region-wide efficiency standards for buildings (e.g. building codes);
 - create instruments for financing sustainable energy, including carbon finance, by the end of 2013, and in the longer term, establish a regional fund for the development and implementation of sustainable energy projects.

To ensure effective implementation of activities towards the attainment of objectives of the Regional Energy Efficiency Policy, the following initiatives on key energy efficiency measures were developed:

- **Initiative on Efficient Lighting** to phase out inefficient incandescent lamps, and replace them with high efficiency fluorescent or LED lamps.
- **Initiative on High Performance Distribution of Electricity**, to reduce commercial and technical losses in electricity distribution systems.
- **Initiative on Clean, Safe, Sustainable and Affordable Cooking** to ensure that the entire ECOWAS population has access to clean and efficient stoves, with a reliable supply of fuels from sustainable sources. This initiative has adopted the name WACCA (West Africa Clean Cooking Alliance).
- **Standards and Labelling Initiative:** to create a regional harmonised system of standards and energy efficiency labels for major electrical equipment.
- **The Building Initiative:** to create a regional harmonised system for thermal regulation in buildings.
- **The initiative on financing sustainable energy:** This initiative is cross-cutting to all energy efficiency initiatives and will seek to mobilise financing from environmental finance instruments as well as other funding sources, private and public, for the implementation of the initiatives.

The six energy efficiency initiatives will play a critical role in delivering concrete actions for the deployment of energy efficiency technologies in West Africa and also serve as a vehicle for harnessing synergies between the SEEA-WA project and other projects being carried out by national, regional and international organisations in EE.

(See Annex 10. Final communiqué of Energy Ministers' meeting and Annex 11. Final Resolution on ECOWAS Energy Efficiency Policy).



Figure: ECOWAS Energy Ministers Meeting, 31st October 2012, Accra

3.2.3. Launch of flagship ECOWAS energy efficiency initiatives

The ECOWAS high level forum also witnessed the launch of the EE initiatives and the ECOWREX in six separate side events. They include:

- **ECOWAS' Initiative on Energy Efficiency Standards and Labeling** and was launched by Mr. Immamudeen Talba, Special Adviser to the Minister of Power, Nigeria. He noted that the implementation of a regional initiative of ECOWAS standards and labeling for energy efficient appliances has obvious advantages, including:
 - mitigation of peak loads and costs of power cuts and load shedding;
 - reduced investment needs for electricity generation plants and associated transmission infrastructure;
 - reducing the consumption of fossil fuels in existing power plants and related emissions;
 - savings in energy costs for end users, thereby increasing their well-being (**see Annex 4. Speech at official launch of ECOWAS' S&L initiative**).

- **ECOWAS' Initiative on Energy Efficient Lighting** was launched by Mr. Omar Diagne, Senegalese Ambassador to Ghana. In his speech, he demonstrated that efficient lighting in the ECOWAS region will contribute to tangible results for the people of the region, including annual energy savings equivalent to about 6% of total regional consumption of electricity. The energy saved could power at least 1.2 million new households and generate annual savings that could exceed \$ 207 million at the regional level (**see Annex 5. Speech at official launch of ECOWAS Efficient Lighting Initiative**).

- **ECOWAS' Initiative on Achieving High Performance Distribution of Electricity** was launched by Mr. Ibrahim Sani, Director General of Energy, Niger, representative of the Minister of Energy and Petroleum. He discussed the challenges in West Africa of maintaining and expanding reliable energy supplies and the economic losses incurred by inefficient distribution. Noting that it is feasible to reduce power distribution losses to less than 10%, Mr. Sani asserted that high performance energy distribution is within reach and launched the ECOWAS Initiative on Achieving High Performance Distribution of Electricity (**see Annex 6. Speech at the official launch of ECOWAS' High Performance Distribution of Electricity Initiative**).

- **ECOWAS' Initiative on Safe, Sustainable and Affordable Cooking** was launched by Ms. Fatou Ndeye Gaye, Minister of Forestry and Environment, the Gambia. She reiterated the health, safety and environmental hazards associated with traditional cooking methods. She added that, to mitigate these dangers, ECOWAS' Initiative on Safe, Sustainable and Affordable Cooking aims to ensure that all citizens of the ECOWAS region have access to clean, safe cook stoves by 2030. She described the partners and methods involved in moving forward, and closed by officially launching the Initiative (**see Annex 7. Speech at official launch of ECOWAS cooking initiative**).

- **ECOWAS' Initiative on Financing Sustainable Energy** was launched by Mr. Oluniyi Robbin-Coker, Minister of Energy and Water, Sierra Leone. He stressed that delivering energy is a high-cost venture and therefore the ECOWAS' Initiative on Financing Sustainable Energy will be key to the success of all initiatives being launched. He said that the initiative would establish appropriate financial mechanisms and leverage financial support from ECOWAS member states and their partners to create opportunities for investment at all project stages. He also said that the initiative will establish finance focal points in each member state to build national capacity on a range of issues, including risk mitigation, formulating fair contracts, and fundraising. In closing, he officially launched the initiative (**see Annex 8. Speech at official launch of ECOWAS Initiative on Financing Sustainable Energy**).
- The **ECOWAS Initiative on Energy Efficiency in Buildings** is integrated in EEEP as the 6th initiative on the basis of ECOWAS' Energy Ministers' recommendation. This initiative was launched during the workshop held on 22nd April 2013, in Ouagadougou, Burkina Faso, back to back with the WACCA workshop. (**See Annex 9. Report on standards and labeling, efficient lighting and energy efficiency in buildings regional workshop**).
- **Establishment of an ECOWAS Programme on Gender Mainstreaming in Energy Access**, ECREEE, in cooperation with its partners, has launched ECOW-GEN, ECOWAS' Programme on Gender Mainstreaming in Energy Access. ECOW-GEN will address gender and energy poverty related issues with a special focus on Renewable Energy and Energy Efficiency.

ECOW-GEN's overall objective is to contribute towards increased access to modern, affordable, and reliable energy services, energy security and environmental sustainability by tailoring national and regional policies, projects and programmes to our energy needs.

ECOW-GEN was launched specifically to:

- steer and support the development of gender-sensitive policies within the region
- improve knowledge management, awareness creation and advocacy on gender and energy issues
- build and strengthen capacities in gender mainstreaming in energy policies and projects
- implement gender-responsive investment and business promotion in sustainable energy development in the ECOWAS region

The establishment of ECOW-GEN is timely, it is envisaged that with the adoption of ECOWAS Regional Policies on Renewable Energy and Energy Efficiency at the 70th Ordinary Session of ECOWAS Council of Ministers, on 21 June 2013 in Abidjan, Cote

d'Ivoire, the programme will be instrumental in enabling Member States to develop gender-responsive sustainable energy policies.

ECOW-GEN aims to support ECOWAS member states in mainstreaming gender in policy formulation, legislative drafting, project and programme design and development of energy interventions.

3.3. Adoption of regional policy on energy efficiency by ECOWAS Council of Ministers

The ECOWAS Energy Minister, in adopting the two policy documents on EE and RE recommended that the two policy documents be presented to the next session of the ECOWAS Council of Ministers for further adoption.

The 70th Ordinary Session of the ECOWAS' Council of Ministers, held in Abidjan, Côte D'Ivoire, from 20 – 21 June 2013 and chaired by M. Charles Koffi Diby, Hon. Minister for foreign Affairs of Cote d'Ivoire, and represented by Ministers for Foreign Affairs and regional integration of all ECOWAS Member states, adopted the two policy documents following their presentation by Hon. Oluniyi Robbin-Coker, Minister for Energy and Water Resources of the Republic of Sierra Leone. The Council also adopted ECOWAS' Small-Scale Hydro Power Programme and ECOWAS' Bio-energy Strategy upon recommendation of the ECOWAS Energy Ministers.

The council therefore recommended that the two regional policies be presented to the Authority of Heads of State and Government of ECOWAS, in the form Supplementary Acts, for final adoption.

3.4. Adoption of ECOWAS EE Policy by the Authority of the Heads of State and Government of ECOWAS

Chaired by H. E. Alassane Dramane Ouattara, President of the Republic of Cote d'Ivoire, the Authority of the Heads of State and Government of ECOWAS, at their 43rd session in Abuja Nigeria, on 17-18 July, 2013, upon the recommendation of the – Council of Ministers, renewed its commitment to energy services access in West Africa by adopting the two regional policies for RE and EE In adopting the two policy documents, the Authority of the Heads of State and Government of ECOWAS indicated that the two regional policies represent a voluntary contribution of ECOWAS to the attainment of SE4All targets in West Africa and directed the ECOWAS Commission to take all necessary measures to facilitate the implementation of the developed action plans annexed to the policies.

(See the following annexes:

- **Annex 12. Final communiqué of Authority of the Heads of State and Government,**
- **Annex 13. Supplementary Act of EEEP and ,**
- **Annex 14. Final document of ECOWAS Energy Efficiency Policy).**

3.5. Implementation of the Energy Efficiency Initiatives and the ECOWAS Gender Programme

The status of implementation of the activities is presented below, in accordance with the three major activities that were carried out during the second year of the project (**see Annex 1. Status of ongoing activities**).

3.5.1. ECOWAS Initiative on Efficient Lighting

3.5.1.1. First Workshop on the ECOWAS Initiative on Efficient Lighting

The 1st workshop on efficient lighting initiative took place on 29th October 2012 in Accra, Ghana.

The workshop was Chaired by Dr. A. K. Ofori Ahenkorah, Executive Secretary of the Ghana Energy Commission, who emphasized the significant energy and economic savings that could be achieved through the use of efficient lighting describing Ghana's success in introducing minimum energy efficiency standards for lighting.

The workshop was also addressed by the representative of United Nations Environment Program (UNEP), Ms. Zura, described the tools for ECOWAS Western African countries to a more efficient lighting highlighting the economic and development benefits of modern efficient lighting. She noted that while a significant number of countries are planning to phase-out inefficient incandescent lamps, few African countries have such plans in place. She also underlined that the initiative will leverage regional best practices and use an integrated approach to make lighting activities sustainable through policy measures, capacity building, awareness raising and financing.

During the workshop participants focused on issues relating to the following:

- monitoring and enforcement,
- lack of recycling capacities,
- proper disposal of compact fluorescent bulbs containing mercury,
- the need for product labelling,
- lack of interest on the part of energy producers to encourage energy efficiency,
- and the need for solutions for dealing with old incandescent lamps.

At the end, the Chair presented, the draft joint statement of the workshop, which resolved that ECOWAS countries, inter alia:

- initiate a full transition to efficient lighting following an integrated policy approach; - promote education, institutionalisation and legislation;
- and by 2016 adopt policies to phase out incandescent lights by 2020 (**see Annex 16. Joint statement on efficient lighting workshop**).



Figure: Efficient Lighting workshop, 29th October 2012, Accra

3.5.1.2. Second Workshop on ECOWAS efficient lighting initiative

The 2nd workshop on the efficient lighting initiative took place on 22nd April 2013 in Ouagadougou, Burkina-Faso. It was organized by ECREEE in collaboration with UNEP. This brought together delegates from the Ministries of Energy of the ECOWAS region as well as representatives from standards organisations, along with international lighting experts.

An integrated policy approach ensures that all pertinent policy aspects related to energy efficient lighting are considered in the development of a national or regional efficient lighting transition strategy. This includes four strategic priorities: 1) Minimum Energy Performance Standards for lighting (MEPS development of; 2) Supporting Policy and financial Mechanisms (SPM); 3) and 4) Environmentally Sound Management (ESM) of lighting products. (**See annex 25. Efficient lighting initiative concept note**).

Participants agreed on a roadmap for:

- the development of regional efficient lighting strategy;
- the creation of four (4) working groups as follows:
 - Minimum Energy Performance Standards for lighting (MEPS) group,
 - Supporting Policy and Mechanisms (SPM) group,
 - Monitoring, Verification and Enforcement (MVE) group,
 - Environmentally Sound Management (ESM) group.

(See Annex 9. Report of the regional workshop on S&L, Efficient Lighting and EEB).

3.5.1.3. Third Workshop on ECOWAS efficient lighting initiative

The 3rd Workshop held in Dakar, Senegal, 2 and 3 July 2013 in collaboration with UNEP: a "Multi-Thematic Workshop on the Development of the Regional Efficient Lighting Strategy in ECOWAS". This workshop brought together delegates from the Ministries of Energy and of Environment of the ECOWAS region as well as representatives from standards organisations, rural electrification agencies (members of club-ER), electricity companies, along with international lighting experts.

The work of ECOWAS four working groups (Minimum Energy Performance Standards (MEPS), Monitoring, Verification and Enforcement (MVE), Supporting Policies and Environmentally Sound Management (ESM)) was presented. Participants

recommended to:

- Continue the development of efficient regional strategy;
- Propose the MEPS for efficient lighting on-grid and off-grid;
- Harmonize the MEPS in ECOWAS area;
- Establish at least one laboratory test in the ECOWAS region and continue their work on the MEPS value;
- Start with pilot areas, with several collection bins of used lamps.

(See Annex 17. Report of the regional workshop on efficient lighting strategy).

3.5.1.4. Forthcoming activities on efficient lighting initiative

The forthcoming activities will include:

- Organisation of regional workshop 1 to 3 October 2013 in Cotonou, Benin, to pursue the development of efficient lighting strategy;
- Validation of the efficient lighting strategy document;
- Adoption of the efficient lighting strategy document;
- Development of Minimum Energy Performance Standards (MEPS) for efficient lighting.

3.5.2. ECOWAS Initiative on Standards and Labelling of energy equipment

3.5.2.1. First Workshop on ECOWAS Initiative on Standards and Labelling

On 30 October 2012, within the framework of ECOWAS High Level Forum entitled "Towards Sustainable Energy for All in West Africa", in Accra, Ghana, the first workshop on 'ECOWAS initiative' on standards and labelling of energy equipment was conducted. Along with a first technical committee meeting, the workshop brought together experts from ministries of energy and standards bodies in the ECOWAS region.

The main objective of the S&L initiative is to encourage regional cooperation on the development of ECOWAS regional standards and labels for energy efficient equipment. A significant market transformation can be achieved through:

- Development and implementation of legislative, regulatory and other policies and tools;
- Capacity building for main stakeholders and training and certification of staff;
- Awareness raising for national authorities, manufacturers and the general public;
- Development and implementation of financial instruments.

The workshop, chaired by Mr. Kofi Adu AGYARKO, from the Energy Commission of Ghana, aimed to establish a network of stakeholders, and to agree on the scope of the initiative and the roadmap for implementation. Implementation of ECOWAS regional Energy Efficiency Initiative on Standards and Labelling will be supported by

a number of technical and financial partners in order to ensure successful market transformation.

After opening several presentations in standards & labeling area were made by the representative of UNDP (Dakar), on the benefits of regional cooperation on standards and labelling, Mr. Peter Traupmann, Managing Director of the Austrian Energy Agency, on best S&L practices. These included the EU's approach to standards and labelling of EE appliances. This was followed by a presentation on the super-efficient equipment and appliance development initiative and an overview of activities and results of support analyses for ECOWAS S&L initiative by Ms Jenny Corry (CLASP) and Ms Gabrielle Dreyfus (U.S DoE/SEAD);

National experiences from Senegal, Nigeria and Ghana were also presented. Other institutions including UEMOA, and IEPF, also made presentations on their institutions' experiences as well.

A proposed work programme for the short and medium term, to be adopted by the participants, was presented by Mr Ibrahim Soumaila, ECREEE's energy efficiency expert.

After presentations and discussions, the participants concluded the workshop with the establishment of the Standards & Labeling Technical Committee (SLTC) and the declaration attached. **(see Annex 2. List of S&L Technical Committee and Annex 3. Joint statement on Standards and Labelling).**



Figure: Standards & Labelling workshop, 30th October 2012, Accra

3.5.2.2. Development of the S&L concept note

The main components of the ECOWAS energy efficiency standards and labelling initiative are as follows:

- development and implementation of ECOWAS regional standards and labels for energy using equipment;
- development and implementation of legislative, regulatory and other energy efficiency policies and tools such as product efficiency rating systems;
- Awareness raising for national authorities, manufacturers and the general public;
- Capacity building of main stakeholders and training and qualification of staff;

- Development and implementation of financial instruments to support the
- Implementation of ECOWAS standards and labels.

(See annex 26. S&L initiative concept note)

3.5.2.3. Launch of the institutional and regulation framework assessment for standards and labels in the ECOWAS region

On 22 April 2013, a workshop on, a capacity assessment for energy appliances and equipment for standards and labels in the ECOWAS region was held in Ouagadougou, Burkina Faso and was launched by ECREEE. Participants appreciated the positive start of the study commissioned by the ECREEE with the support of super-efficient energy appliance development from US-Energy Department (SEAD) which is being developed by the firm ECONOLER. Results expected by the study in the coming are relating:

- Identification of regulatory and legislative barriers at national and regional levels;
- Definition of opportunities for improving the capacities and resources of regional and national institutions;
- Enhancing synergy between regional and national bodies in charge of S&L and EE is enhanced.

3.5.2.4. Forthcoming activities on Standards and Labelling initiative:

The forthcoming activities will include:

- Development of Minimum Energy Performance Standards (MEPS) for efficient lighting;
- Development of Minimum Energy Performance Standards (MEPS) for refrigerators and air conditioning;
- Development of the procedure for testing and certification.

3.5.3. ECOWAS Initiative on High Performance Electricity Distribution

3.5.3.1. First Workshop on ECOWAS Initiative on High Performance Electricity Distribution

The 1st workshop on High Performance Distribution of Electricity initiative took place on 29th October 2012 in Accra, Ghana. The workshop was chaired by the representative of the ECOWAS Regional Electricity Regulatory Authority, Mr. Mr Algai Basiru Gaye. Noting that electricity distribution losses range from 15-40% of the power generated in West Africa, he stressed that these losses have significant impacts on service and domestic productivity, resulting in losses of up to 2% of GDP.

After describing the initiative, the Executive Director of ECREEE, Mr. Mahama Kappiah, called for political support through the setting of appropriate tariffs and establishment of performance contracts for utilities. The representative of Agence Française de Développement, stressed the importance of improving management capacities of distribution companies, better training and capacity building, and effective regulation and transparency.

Thereafter discussions, the participants recommended that ECOWAS initiative on high performance distribution of electricity, include the following issues:

- Capacity building;
- The need for standard procedures to eliminate inefficiencies;
- Better load management and integration;
- Consideration of distribution challenges in land-use planning;
- The importance of strategic planning.

3.5.3.2. Development of high performance distribution of electricity concept note

The concept note elaborated has as the main components the following elements:

- Facilitating sharing of experience and best practices among West African distribution companies;
- Carrying out regional capacity building programmes;
- Facilitating the sharing of human and technical resources among West African distribution companies;
- Creating a data base on the state of the electricity sector in the ECOWAS countries, including production, losses, tariffs, etc.

3.5.3.3. Forthcoming activities high performance distribution of electricity initiative

The forthcoming activities will include:

- Implementation of a diagnostic studies for eight distribution companies;
- Regional workshop training for distribution companies;
- Regional meeting between distribution companies and development and finance partners.

3.5.4. ECOWAS Initiative on Efficient, Affordable and Sustainable Cooking

3.5.4.1. First Workshop on ECOWAS Initiative on Efficient, Affordable and Sustainable Cooking

The 1st workshop on Efficient, Affordable and Sustainable Cooking took place on 29th October 2012 in Accra, Ghana. This workshop was organized by ECREEE in collaboration with several partners among which the representatives of ENERGIA network (Netherlands), GTZ (Germany), GERS (French), TERI (India) and Global Alliance for Clean Cook Stoves. These partners as panelists made a presentation on their experiences in clean cook stoves activities.

In a question and answer session, participants raised concerns regarding harmonisation of ECREEE's approach with other initiatives; consideration of all technologies such as solar cookers; and the use of innovative financing mechanisms such as climate change mitigation and adaptation funds.

Addressing concerns about the sources of funding for the initiative, Mr. Kappiah explained that ECREEE will be implementing policies in synergy with the other initiatives through the national energy ministries, GEF focal points and environment ministries. He added that, though some project funding could come from ECOWAS, it is unlikely that most ECOWAS countries will be able to allocate public funds to the Initiative.

3.5.4.2. Second Workshop on ECOWAS Initiative on Efficient, Affordable and Sustainable Cooking

The 2nd workshop on Efficient, Affordable and Sustainable Cooking took place on 23-25 April 2013, in Ouagadougou, Burkina Faso. The workshop brought together over 200 participants. (see Annex 19 – report of the first regional workshop for WACCA).

The participants stressed the importance of cooperation at the regional level and provided comments on the draft framework action plan for West Africa Clean Cooking Alliance (WACCA). They adopted the framework action plan after consideration and incorporation of the remarks provided during the workshop. The regional action plan will include:

- Policy and regulation framework;
- Supply chain of cooking fuels;
- Gender response actions;
- Capacity building;
- Working towards a market transformation of cooking;
- Standards and labelling;
- Networking and knowledge sharing;
- Demonstration/pilot project;
- Economic and financial issues.

(See Annex 27. Framework Action Plan for WACCA).

3.5.4.3. Forthcoming activities for Efficient, Affordable and Sustainable Cooking initiative

The forthcoming activities will include:

- Development of the WACCA business plan;
- Development of national action plans;
- Training on business development.

3.5.5. ECOWAS initiative on energy efficiency in buildings

3.5.5.1. First meeting on ECOWAS initiative on energy efficiency in buildings

As part of ECOWAS regional energy efficiency policy, a specific target was agreed upon by ECOWAS Member States regarding the development and adoption of region-wide efficiency standards for buildings (e.g. building codes). Energy efficiency criteria, for new buildings as well as for existing buildings undergoing major refurbishment, should incorporate the principles of tropical architecture and urban

planning standards. In this context, and following the decision of ECOWAS Member States, an ECOWAS initiative on energy efficiency in buildings is being prepared by ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE), with support from SEEA-WA project partners.

The 1st meeting, on energy efficiency in buildings took place on 23 April 2013, in Ouagadougou, Burkina Faso. ECOWAS experts from Burkina Faso, Ghana, Nigeria and Senegal participated, along with international experts from Austria, the European Commission and France. The meeting aimed to collect expert viewpoints on how to structure and orient the initiative and to give guidance to the SER consortium mandated to draft a concept note for the initiative.

The meeting concluded that the consortium should focus on a proposal for an ECOWAS directive on building energy efficiency that would serve as a framework for integration of energy efficiency into national building codes.

3.5.5.2. Development of EE buildings initiative concept note

This initiative will promote the development and implementation of region-wide efficiency standards for buildings. It will also promote implementation of the principles of tropical architecture in order to improve the energy efficiency of buildings and their adaptation to West Africa's climatic conditions. In this regard, a concept note was developed through a sub-contract with a private consortium.

(See Annex 19. Request for proposal EEB concept note).

The main components of EE buildings initiative concept note are:

- Development of a regional framework for energy efficiency in buildings;
- Disseminating best practices in buildings;
- Information material to educate designers, builders, owners and users of buildings on the advantages of energy efficient buildings;
- Develop a short and long term finance plan.

(See Annex 20. Document of Energy Efficiency in buildings concept note)

3.5.5.3. Forthcoming activities for EE buildings initiative

The forthcoming activities will include:

- Development of regional framework for energy efficiency in buildings;
- Regional workshop validation of the regional framework;
- Training of professionals in urban planning, construction and buildings.

3.5.6. ECOWAS Initiative on Financing Sustainable Energy

The 1st workshop on Financing Sustainable Energy took place on 29th October 2012 in Accra, Ghana. The financing workshop was chaired by Mr John Wasielewski, Development Finance Advisor for the United States government. He opened the session by acknowledging that there are no easy answers to the myriad of challenges developing countries encounter on the issue of financing energy infrastructure projects.

Mr Hyacinth Elayo, ECREEE, presented the concept and roadmap of ECOWAS Initiative on Financing Sustainable Energy. He said once operational, the initiative's core tasks will be to create teaching materials and to provide training and assistance with financial engineering and other financial matters.

Thereafter, several panelists have presented their experiences among which the representatives of UNEP on Rural Energy Enterprise Development (REED) project experiences, ECREEE-UNIDO on small-scale projects and businesses in peri-urban and rural areas, ConPlusUltra GmbH on a study commissioned by the Austrian Development Agency comparing small-scale "innovative responsible finance, French Agency for Environment and Energy Management (ADEME) on mobilization of international financing, and facilitating cooperation, Energy Consultant on New Partnership for Africa's Development (NEPAD) Facility for Promoting Bioenergy in West Africa, ECOWAS Renewable Energy Investment (EREI) Programme GERES. On the difficulties surrounding Nationally Appropriate Mitigation Action (NAMA) projects and carbon financing in the African context, noting that they present barriers to African participation in the Clean Development Mechanism.



Figure: Financing Sustainable Energy workshop, 29th October 2012, Accra, Ghana

3.5.7. ECOWAS Programme on Gender Mainstreaming in Energy Access

ECOW-GEN activities are being implemented by ECREEE and its partners and are a flagship regional programme in line with the implementation of ECOWAS' EE policy. It is also in line with ECOWAS' effective participation in the Sustainable Energy for All (SE4All) initiative, launched by the UN Secretary-General at Rio+20 in 2012. SE4All aims to make sustainable energy available to all by ensuring universal access to modern energy services, and by doubling the improvement of energy efficiency and the share of renewable energy in the global energy mix by 2030.

3.5.7.1. Launch of an ECOW-GEN site under the ECREEE main website

<http://www.ecreee.org/page/ecowas-program-gender-mainstreaming-energy-access-ecowgen>

ECREEE has launched a special sub-site under the ECREEE website on ECOW-GEN. The ECOW-GEN site contains general information on the programme and its main objectives. A special registration and news flash module will be launched for

ECOWAS' network on gender and sustainable energy. The integration of the website into the main ECREEE page will also demonstrate the horizontal character of the gender programme and the strong interlink with all other ongoing regional programmes on energy efficiency and renewable energy.

3.5.7.2. *Mano River Union Conference on “Women’s Economic Empowerment through Energy Access in the MRU Sub-Region”*



ECREEE, in collaboration with the Government of Sierra Leone, the United Nations Industrial Development Organization (UNIDO) and the African Development Bank (AfDB) and with European Union support through the SEEA-WA project, organised a conference in Sierra Leone on “Women’s Economic Empowerment through Energy Access in the MRU Sub-Region”, from 7-9 May 2013. More than 280 people participated in this event.

The conference was officially opened by the President of the Republic of Sierra Leone, HE Ernest Bai Koroma and the Ministers for Energy and Gender and the representatives from the four MRU countries. The success of the conference served to widen the base of support for the programme.

The conference was a follow-up to the hugely successful **ECOWAS High Level Energy Forum**, held from 29 to 31 October 2012 in Accra, Ghana, which saw the adoption of ECOWAS Renewable Energy and Energy Efficiency Policies by ECOWAS' Ministers. The policies envisage that by 2014, Member States would have developed and adopted their own "gender-sensitive" national energy policies which will contribute to regional ECOWAS targets. **(see annex 24. Final Communiqué of gender conference).**



3.5.7.3. Framework Action Plan on Women's economic empowerment for the MRU

One outcome of the Mano River Union Conference on Gender and Energy was a framework action plan on 'Women's Economic Empowerment through Energy Access in the MRU'. This plan addresses policies and institutional framework, networking and knowledge sharing, capacity building and economic and financial instruments.

An MRU working group was therefore established to oversee the development of the detailed action plan, which will be produced by the first quarter of 2014.

3.5.7.4. Gender network

The ECOWAS Gender network was established by ECREEE and partners under the SEEA-WA project with the aim to foster a cohesive and coordinated regional approach to gender-responsive sustainable energy development in the West African region.

Specifically, by collaborating with existing networks on gender and energy, the ECOWAS network aims to:

- provide a platform for information exchange and knowledge transfer on best practices on gender mainstreaming in energy access,
- identify opportunities for intra-country and inter-country cooperation,
- raise awareness of and advocacy for gender mainstreaming in energy access,
- build the capacity of policy makers, project promoters and civil society on gender and sustainable energy.

The network is open to individuals or institutions working on or interested in gender and energy.

3.5.8. Awareness Raising of Energy Efficiency Measures

The project team carried out a broad range of awareness raising activities on energy efficiency, mainly through:

- ECOWAS' High Level Energy Forum, organised in Accra, Ghana, from 29-31 October, 2012;
- ECOWAS Regional meeting on Energy Efficiency Policy by ECOWAS Energy Ministers held on October 2012 in Accra, Ghana;
- ECOWAS Workshop on efficient lighting initiative, Standards & Labeling initiative, EE Buildings initiative and cooking initiative held on April 2013 in Ouagadougou, Burkina-Faso;
- ECOWAS Workshop on the development of the regional strategy on efficient lighting initiative on July 2013 in Dakar, Senegal;
- Other events that ECREEE staff and SEEA-WA partners participated.

3.6. Contracts awarded for SEEA-WA Project implementation

For Year 2, 10 August 2012 to 10 August 2013, of the project implementation, five contracts have been awarded to four national institutions to function in the capacity of national competence centres. These are:

- GRET (Gambia),
- DGE Guinea-Bissau,
- CERER (Senegal)
- and Laboratoire du Bâtiment des Travaux Publics (LBTP), Ivory Coast.

Contracts were also awarded to three international consultants:

- on the development of the cooking initiative,
- for a video production on cooking,
- a concept note on the buildings initiative to describe the status quo regarding energy efficiency in buildings, and key actions suggested on the path towards an energy efficient and sustainable building sector in the ECOWAS region.

Other contracts concern translation and review of an energy efficiency policy document undertaken by national and international consultants.

3.7. Monitoring and Evaluation

SEEA-WA's monitoring and evaluation activities are being developed by ENDA-Energy. These include:

- A baseline report;
- SEEA-WA's monitoring and evaluation tools ;
- An indicators matrix according to the revised SEEA-WA logical framework **(see Annex 22. Indicators Matrix)**.

3.8. Timetable

Project activities are presently progressing as originally planned, according to the following schedule:

Year 2														
Activity	Semester 3 -						Semester 4 -						Implementing body	
	months	1	2	3	4	5	6	7	8	9	10	11		12
1.1 Stock taking, diagnosis														AEA, ECREEE, AERE
1.2 Regional level institutional capacity building, knowledge sharing														ECREEE, AEA, AERE, ADEME, UNDP, ENERGIA
1.3 National level institutional capacity building, knowledge sharing, institutional change														ECREEE, AEA, AERE, ADEME, ENERGIA, UNDP, ECI
1.4 ECOWAS EE policy paper														AEA, ECREEE, AERE, ENERGIA
1.5 Gender														ENERGIA, AEA, ECREEE

2.1 Prioritisation and scoping														ECREEE, AEA, ENERGIA, ECI
2.2 Content and visual identity														ECREEE, AEA, ENERGIA, ECI
2.3 Carry out national campaigns focused on key intermediaries														ECREEE
2.4 Carry out regional and national media campaign focused on general public														ECREEE

3.1 Regional and national capacity building on technical issues															ECREEE, AERE, AEA, ADEME, ENERGIA, UNDP, ECI
3.2 Regional and national financial tools														ECREEE, AERE	
3.3 Technical exchange of experience														ECREEE, AEA, AERE, ADEME, ENERGIA, UNDP, ECI	
Visibility and Communication														ECREEE, AEA, AERE, ADEME, ENERGIA, UNDP, ECI	

4. IMPLEMENTATION OF RECOMMENDATIONS OF DANISH MANAGEMENT AND ROM EVALUATION REPORTS

As part of the implementation of recommendations of Danish management and ROM evaluation reports, SEEA-WA's logical framework has been revised on the basis of the following comments:

➤ **Revision of the log frame.**

The logical framework has been revised to respond to ROM comments, to make the indicators marginally "SMARTER", while remaining in line with the structure of SEEA-WA's original proposal. The principal modifications result from the development of the 5+1 energy efficiency initiatives:

- Overall objective: unchanged. Data available from EEEP, with no pressing reason to modify this.
- Specific objective: restructured to integrate the six initiatives.
- Expected results: now more clearly differentiated from the activities, and time bound. Reworked to integrate the initiatives.
- Activities: small modifications, to take better account of the initiatives and current orientations. (see **Annex 21. SEEA-WA logical framework revised**).

➤ **Carry out a risk analysis and develop a risk management strategy for the project.**

Discussions held with ENDA-Energy to carry out a risk analysis and develop a risk management strategy for the project.

➤ **Identification of champions for the flagship initiatives at the level of individual countries and at the regional level, linking them into a network and providing support.**

The identification of champions is ongoing. The Ministry of Energy and Mines of the Republic of Senegal agreed to sponsor all events with regard to the Efficient Lighting initiative, at the request of ECREEE in order to rally other ECOWAS member states. (See **Annex 23. The letter of the Minister of Energy and Mines of Senegal**).

➤ **Assess the roles of various kinds of professions and professionals in building design and construction, in order to broaden targeting of the forthcoming initiative on EE in buildings beyond architects.**

Currently, the concept note on the energy efficiency initiative has been elaborated to assess the roles of different professions and professionals in building design and construction (see **Annex 20. EEB concept note**). Other activities will follow.

5. SEEA-WA CORE PARTNERS

The ECOWAS Commission is the beneficiary of ACP-EU Energy Facility financial support for the SEEA-WA action. ECREEE, a specialized agency of ECOWAS, has been mandated to carry out the action, as the lead project partner.

Relations between the ECOWAS Commission, ECREEE and the other project partners are excellent, as described below.

5.1. AEA

The AEA supported ECREEE in the development and revision of ECOWAS EE policy document and the implementation plan which were submitted to ECOWAS Energy Ministers' Meeting for approval. AEA also actively participated in the organisation of the High Level Forum, including elaboration of the concept note, programme, identification of speakers, participants, etc. AEA also supported ECREEE in the organisation of the workshops of the five ECOWAS energy efficiency initiatives.

Specifically AEA:

- coordinated the development of the concept note of the Standards and Labelling initiative and supported ECREEE with organisation of the first S&L technical committee;
- supported the development of the concept note and video of the West Africa Clean Cooking Alliance (WACCA);
- contributed to the organisation of ECOWAS Energy Ministers' Meeting which approved the document on energy efficiency policy on 31st October 2012 in Accra, Ghana.
- contributed to and participated in SEEA-WA's coordination meeting, 4 November 2012 in Accra, Ghana;
- and supported further development of the energy efficiency initiatives, notably Standards and Labelling, Cooking and, more recently, EE buildings.

5.2. AERE

AERE was particularly active in supporting ECREEE in the revision of the regional EE policy document and the implementation plan. Both have been submitted to ECOWAS Energy Ministers' Meeting for approval. AERE has also:

- developed the energy efficiency initiatives concept notes, especially on High Performance Distribution of Electricity;
- contributed to the organisation of ECOWAS Energy Ministers' Meeting, and of the High Performance Distribution of Electricity as well as the High Level Forum where it gained financial support from French public authorities;

- participated in various meetings on the initiative, the cooking and the building meetings in Ouagadougou in April 2013, the two lighting meetings in April in Ouagadougou and in July in Dakar.
- presented some sessions, as the rationale for the MEPS for lighting, and various different mechanisms for environmental finance;
- prepared with ECREEE the reports of the meetings.

AERE is currently working on the technical elements of the building initiative to provide technical inputs (examples of thermal regulation in similar countries, relevant parameters, and proposal of key values for ECOWAS countries). AERE has participated in two SEEA-WA coordination meetings, 4 November 2012 in Accra, Ghana, and 26 April 2013 in Ouagadougou, Burkina Faso.

5.3. ENERGIA

ENERGIA has contributed towards the revision of the Regional Policy on Energy Efficiency by providing particular support on gender issues. ENERGIA has also:

- contributed to development of the energy efficiency initiatives concept note, especially on efficient cooking and the organisation of ECOWAS Energy Ministers' Meeting and the workshop on cooking initiative held 30 October 2012;
- participated in the 4th SEEA-WA coordination meeting held 3 November 2012 in Accra, Ghana, and the 5th SEEA-WA coordination meeting held 26 April 2013 in Ouagadougou, Burkina Faso;
- Also to "Women's Economic Empowerment through Energy Access in the MRU Sub-Region", 7-9 May 2013, in Sierra Leone.

5.4. ENDA

ENDA is currently drafting the baseline report of the energy efficiency policy and preparing the first monitoring and evaluation of SEEA-WA's project. ENDA also participated in all High Level Forum events including the energy efficiency initiative workshops and the 4th and 5th SEEA-WA coordination meetings, held 3 November 2012 in Accra, Ghana, and 26th April 2013 in Ouagadougou, Burkina Faso.

5.5. ADEME (project donor and associate partner)

ADEME participated in all High Level Forum events including the energy efficiency initiative workshops and the 4th SEEA-WA coordination meeting, held the 3rd November 2012 in Accra, Ghana. ADEME has also contributed additional funding, for GERES to develop ECOWAS financing sustainable energy initiative.

5.6. UNDP (project donor)

UNDP was one of the principal organisers of the Accra High Level Forum Workshop and was also involved in planning the High Level Forum. UNDP brought in additional funds to fund some African participants and participated in the 4th and 5th SEEA-WA coordination meetings, held 3 November 2012 in Accra, Ghana, and 26th April 2013 in Ouagadougou, Burkina Faso.

5.7. ECOWAS countries

Relations with State Authorities are excellent. The NFI of each ECOWAS Member State has been actively participating in the project, notably at the Accra High Level Forum, at the stock taking missions, in approval by Ministers meeting of the Regional Policy on Energy Efficiency and participation in the workshops of the five ECOWAS energy efficiency initiatives held 29 October 2012 in Accra, Ghana.

6. OTHERS PARTNERS

6.1. UNIDO

The United Nations Industrial Development Organization (UNIDO) was one of the main organizers of the High Level Energy Forum Towards Sustainable Energy for All in West Africa, themed "Paving the Way for Sustainable Energy for All in West Africa through Renewable Energy and Energy Efficiency" from 29–31 October 2012, in Accra, Ghana. This event was hosted by the Government of Ghana and took place as part of the UN Sustainable Energy For All (SE4ALL) Initiative. Mr Kandeh Yumkella, Director General of UNIDO and Chair of UN Sustainable Energy led all high level forum events. Links to UNIDO activities in West Africa such as the ECOWAS Industrial Energy Efficiency Initiative are being pursued by the SEEA-WA project.

6.2. United Nations Environment Program (UNEP)

UNEP through the en.lighten program has contributed to develop the concept note on the "ECOWAS efficient lighting Initiative". UNEP has also been involved in the organization of the two workshops on the efficient lighting initiative (April 2013 in Burkina Faso and July 2013 in Senegal) and participated by making a presentation and animating the workshop. Moreover, UNEP has participated in all high level forum events held the 29th October 2012 in Accra, Ghana.

6.3. US Department of Energy (US-DoE)

The US-DoE has contributed to development of the concept note of the "Standards and Labeling" initiative, through the "Super-Efficient Equipment and Appliance Deployment" (SEAD) program and Collaborative Labeling and Appliance Standards Program (CLASP). SEAD and CLASP participated actively in organization and animation of the workshop of "Standards and Labeling" initiative held the 29th October

2012 in Accra, Ghana. They participated to all others events during the high level forum.

6.4. GIZ

The GIZ HERA (household energy project) has contributed to elaborate two Terms of Reference for developing a detailed concept paper for the ECOWAS Regional Initiative for clean, safe, affordable and sustainable cooking to support ECREEE to work on the "Cooking" initiative and the video document on cooking. This is being done in the context of cooperation between the SEEA-WA and ProCEAO projects (ProCEAO is another Energy Facility funded project). GIZ has also contributed to the organization of the efficient cooking workshop and the initiative launch in Accra, Ghana during the high level forum held from 29th to 31st October 2012. GIZ has also taken part in the organization and animation of the WACCA meeting in April in Ouagadougou.

6.5. GERES

In supporting ECREEE, GERES (Groupe Énergies Renouvelables, Environnement et Solidarités, a major French NGO involved in energy and development) has developed the environmental finance initiative. GERES participated in organizing and leading the workshop and the launch of the financing of sustainable energy initiative held in Accra, Ghana. GERES has also participated in the cooking initiative development of the concept note. GERES has also taken part in the WACCA meeting in April in Ouagadougou, through a stand presenting clean cook stoves, and a presentation in the finance meeting.

6.6. Global Alliance for Clean Cookstoves (GACC)

In the context of the West African Clean Cooking Alliance (WACCA) and the standards and labeling initiative, the project has developed links to GACC activities in the field of clean cook stoves.

6.7. WAPP

The West African Power Pool (WAPP) is an ECOWAS specialized agency responsible for developing infrastructure and institutions for cross border electricity trade in the region. WAPP participated in organizing and animating of workshop and the launch of the high performance distribution of electricity initiative during the high level forum held from 29th – 31st October 2012 in Accra, Ghana.

6.8. Institut de l'Énergie et de l'Environnement de la Francophonie (IEPF)

IEPF, which recently became the "Institut de la Francophonie et du Développement Durable (IFDD), is a subsidiary body of the Organisation Internationale de la

Francophonie (OIF). IEPF and ECREEE have signed a Framework Agreement for the joint development and implementation of renewable energy programs and energy efficiency in West Africa. As part of this agreement, IEPF and ECREEE participate in each other's energy efficiency activities. In May 2012, the SEEA-WA project and ECREEE were represented at the workshop organized by IEPF in Lomé (Togo) to develop the training program on energy efficiency in building for professionals of urban planning, construction and building.

In October 2012, IEPF participated actively at the ECOWAS initiatives on energy efficiency, especially efficient lighting and standard labeling. IEPF organized also back to back to high level forum the steering committee meeting of UEMOA standard and labeling project that ECREEE is a member.

IEPF is organizing the training of professionals in urban planning, construction and construction challenges of the energy transition from 11-15th March 2013, in Lomé (Togo) where SEEA-WA should be represented. Furthermore, a joint training workshop on energy efficiency in building for all ECOWAS countries is planned.

7. LINKS WITH OTHER ACTIONS

The project team has developed strong links with the following actions.

7.1. ProCEAO

The ProCEAO and SEEA-WA projects collaborated extensively and supported ECREEE in the development of the regional efficient cooking initiative.

7.2. RREP-WA

The RREP-WA project, supported by the EU Renewable Energy Cooperation Program, aims to support ECOWAS in developing a regional renewable energy policy. Synergies between both the SEEA-WA and RREP-WA projects were actively sought at various stages of project implementation culminating in the adoption of regional policies on energy efficiency and renewable energy by the ECOWAS Energy Ministers at the occasion of the ECOWAS High Level Energy Forum in October 2012, and their subsequent adoption by the ECOWAS Council of Ministers in June 2013 (Abidjan); and the ECOWAS Authority of Heads of State and Government in July 2013 (Abuja).

7.3. Sustainable Energy For All (SE4ALL)

The High Level Forum was organized in partnership with the SE4ALL initiative from 29-31st October 2012 in Accra, Ghana. During this forum five workshops of the ECOWAS energy efficiency initiatives, the energy ministers meeting and several others events were organized. ECREEE has been nominated as the regional focal point in West Africa for Sustainable Energy For All and the SEEA-WA project is being

developed in alignment with the priorities and goals of the regional strategy for SE4ALL.

7.4. UEMOA project on standard and labeling

UEMOA is implementing a project on standard and labeling in their countries member. In the framework of the ECOWAS standard and labeling initiative, UEMOA is agreed that we take advantage of their lessons learned and harmonize the respective initiatives. For this purpose, the representative of UEMOA has made a presentation on their project objectives and activities during the standard and labeling initiative workshop held the 29th October, 2012, in Accra, Ghana, during the high level forum.

7.5. UNDP/GEF/Energy Commission of Nigeria Energy Efficiency Project

In the context of the S&L initiative efforts are being coordinated with the on-going UNDP/GEF/Energy Commission of Nigeria Energy Efficiency Project, which has the overall objective to improve the energy efficiency of end-use appliances used in Nigeria with the aim to reduce energy demand.

8. PREVIOUS EC GRANTS IN VIEW OF STRENGTHENING THE SAME TARGET GROUP

ECOWAS has not received any previous EC grant for the same target group.

9. VISIBILITY

The SEEA-WA project team has conducted the following activities with regards to visibility and communication:

- A project website www.seea-wa.org contains the main information on the project targets and activities. The website contains also several main events organized.
- Within the framework of the High Level Forum organized from 29th – 31st October 2012 in Accra, Ghana, this event gave an excellent opportunity to organize the ECOWAS Energy Ministers meeting that approved the energy efficiency policy.
- SEEA-WA has successfully started to liaise with other relevant ongoing initiatives in the region and has established excellent communication channels with the project teams.
- SEEA-WA has printed a project information leaflet and a project banner, prominently presenting the EC logo. The leaflet was distributed at the high level forum and workshops of energy efficiency initiatives and at all relevant ECREEE events to assure dissemination of project information.
- Visibility of the EU contribution has been extensive: EC supported organization of the High Level Forum and has participated actively. The EC logo features prominently in all documents produced and distributed within the framework of the project.

- During the high level forum, several publications were made (press release, press conference interview, banner, Energy Efficiency Policy document) in which EC is clearly indicated.
- During the workshops on WACCA, efficient lighting, S&L and buildings initiatives held in Ouagadougou on April 2013 and workshop on the development of regional efficient lighting held in Dakar on July 2013, several publications were made (press release, press conference interview, banner, initiatives document) in which EC and all donors are clearly indicated.

ECOWAS and the project team have no objections to EC action to publicize the action. We will cooperate in any way possible.

10. CONCLUSION

Since its official launch in 2011, the SEEA-WA project has firmly established itself, not only as a significant catalyst for EE measures in the ECOWAS region, but also as the sole and major driver for EE actions in the region.

Amongst the key outcomes that emanated from the SEEA-WA project were the path-breaking regional EE policy and the flag-ship EE Initiatives, which were well received by the Member States. This is reflected in the record time it took for the policy to reach full-cycle – from elaboration, validation by regional experts, adoption by the ECOWAS Energy Ministers, adoption by the ECOWAS Council of Ministers and ultimately, the adoption by the ECOWAS Authority of Heads of State and Government.

Consequently, the Authority also directed the ECOWAS Commission and ECREEE to take all necessary measures to facilitate the implementation of the corresponding action plans of the EE policies. The action plan, also referred to as the flagship EE Initiatives, have already been recognized as being relevant to the attainment of the EE objectives in the ECOWAS Member States. These include the:

- The availability of partners keen to support these initiatives underscores the importance attached to them (for example the SEEA-WA project generated interest of further partners, including: UNEP - efficient lighting initiative as part of en.lighten project, CLASP/SEAD - standards & labelling initiative, ADEME - energy efficiency in buildings and financing of sustainable energy initiatives, GIZ, and the Austrian Ministry of Environment - clean cooking and high performance distribution of electricity initiatives, etc.). It also demonstrates the sustainability of the SEEA-WA project as the benefits of the project will extend beyond the lifespan of the project. The continued support of the European Commission for these initiatives would be greatly appreciated by the MS as it would help in the realisation of the objectives for which they were established.
- The regional policy represents a voluntary contribution of ECOWAS to the attainment of the SE4ALL targets in West Africa. In the coming years, ECREEE in its capacity as regional hub for SE4ALL, will lead the process of implementing the regional EE policy on national levels.

11. ANNEXES

- Annex 1. Status of ongoing activities
- Annex 2. List of S&L Technical Committee
- Annex 3. Joint statement of standard and labeling workshop
- Annex 4. Speech of the official Launch of ECOWAS S&L initiative
- Annex 5. Speech of the official Launch of ECOWAS Efficient Lighting initiative
- Annex 6. Speech of the official launch of ECOWAS high performance distribution
- Annex 7. Speech of the official launch of ECOWAS efficient cooking initiative
- Annex 8. Speech of the official launch of ECOWAS financing sustainable energy
- Annex 9. Report on standards and labeling, efficient lighting and energy efficiency in buildings regional workshop in Ouagadougou
- Annex 10. Final communique of ECOWAS Energy Ministers Meeting
- Annex 11. Final resolution on the ECOWAS Energy Efficiency Policy
- Annex 12. Final communique of Authority of the Heads of State and Government
- Annex 13. Supplementary act of EEEP
- Annex 14. Final document of the ECOWAS Energy Efficiency Policy
- Annex 15. Speech of the General Director of UNIDO and Chair of UN Energy
- Annex 16. Joint statement of efficient lighting workshop
- Annex 17. Report of the regional workshop on efficient lighting strategy
- Annex 18. Report of the first regional workshop for WACCA
- Annex 19. Request for proposal EEB concept note
- Annex 20. Document of Energy Efficiency in buildings concept note
- Annex 21. SEEA-WA logical framework revised
- Annex 22. Indicators Matrix
- Annex 23. The letter of the Minister of Energy and Mines of Senegal
- Annex 24. Final communique of gender conference
- Annex 25. Efficient lighting initiative concept note
- Annex 26. Standards & labeling initiative concept note
- Annex 27. High performance distribution of electricity initiative concept note

Name of the contact person for the Action: **Mr. Mahama Kappiah**

Signature :



Location :

Praia, Cape Verde

Date report due:

soon after 10 August 2013

Date report sent:

30/10/13