Energy Efficient Lighting and Appliances project in Southern and Eastern Africa (EELA)

Summary of the output of the EELA PREP phase and planned activities for the next phase
Summary of outputs of the EELA PREP phase
Output1: Project execution modalities defined

• Proposed structure of the project implementation defined
  • Three levels – strategic – management – implementation
  • Key project partners identified
  • Required staff resources identified and ToRs developed
  • National focal points identified
• First regional consultation workshop held in Windhoek, 24-25 October 2018
• Regional consultation and validation workshop held on 11-12 February 2019
• M&E framework for the project developed
• Gender Assessment and action plan developed
Output 2: Market Study on EE lighting conducted

• Analysis of existing regulations
• Mapping of relevant national and regional initiatives
• Mapping of existing Test-Laboratories
Output 3: EE lighting standards assessed

- Global review of EE lighting standards
- Proposal for the composition of the technical committees
- Framework for development of standards
- Preparatory meeting of the technical committees in EAC and SADC held on 12 Feb 2019 in Dar es Salaam

Output 4: Partnership framework developed

- Capacity building Plan
- Partnership framework
  - Incentives for the private sector
Overview of proposed activities
EELA Implementation Phase - Envisaged project outcomes

**Outcome 1** - Regional mechanism and platform established to coordinate actions on market transformation of EE lighting and appliances including the support of national Programs and the exchange among the Member States.

**Outcome 2** - Regional policy and regulatory environment for energy efficient lighting and appliances in the SADC and EAC region is improved with a view of the climate change impact and gender responsiveness.

**Outcome 3** - Capacities of key market enablers, and players in the EELA market are strengthened including testing capacities.

**Outcome 4** - Awareness among market players and policy makers on energy efficient lighting and appliances is enhanced.

**Outcome 5** - Incentive mechanisms to encourage the uptake of EELA based projects in SADC and EAC established.
Outcome 1 Regional mechanism and platform are established to coordinate actions on market transformation of Energy Efficient appliances including the support of national Code of Conduct Programs and the exchange among the Member States

Establish a regional coordination platform at SACREEE and EACREEE

- SACREEE and EACREEE - centres of excellence on EELA are capacitated – for the project and beyond
- Tool kits and best practice guides developed for governments to integrate EELA into national policy framework
- Provide support to the national EELA programs (expert guidelines, facilitation)

Concerted action, outreach and regional Forum activities

- Facilitate sharing of information among the national initiatives and to establish a platform
- Organisation of annual regional workshops for information exchange among Member States
- Organise a series of webinars to provide guidance to the Member States on their national programs
- Support outreach activities
Outcome 2: Regional policy and regulatory environment for energy efficient lighting and appliances in the SADC and EAC region is improved with a view of the climate impact and gender responsiveness.

- Market studies 2 & 3 and Supply chain analysis, 2 & 3
- Development of a gender sensitive regional framework for EELA including a measurement and verification plan
- Consultation with the Ministry of Environments regarding the Emission reduction relevance of EELA and with the intention to appropriately reflect EELA in the NDCs and other strategic documents or priority project lists of the Green Climate Fund.

- Establish one Technical Committee for Standards and Labelling of EE for EAC and one for SADC
- Development of MEPS (based on international best practices) in order to remove the least efficient products from the market and thereby encourage innovation and rapid adoption of higher efficiency products.
- Provide support to the national process through various activities and support on request (including the organisation of a series of webinars)
- Support governments in the implementation of the regional standards
Outcome 2: Regional policy and regulatory environment for energy efficient lighting and appliances in the SADC and EAC region is improved with a view of the climate impact and gender responsiveness.

- Improved environmental management (including waste management and recycling)
  - Support enactment of national environmental regulations for environmentally sound management of appliances and equipment
  - Harmonize national environmental regulations at regional level with combined objectives of reducing GHG emissions
  - Deliver trainings to government authorities, retailers and collection services
  - Establishing waste management systems for spent products
  - Conducting communication campaigns on proper disposal of used products
Outcome 3 Capacities of key market enablers, and players in the EELA market strengthened including testing centres

- Select **2-3 existing national testing laboratories** and provide support and trainings in order to establish selected facilities as regional testing facilities
- Establish a **collaborative network** between the national testing laboratories
- Organise **trainings** for relevant technical staff on testing standards, equipment and accessories.
- Train **Custom bodies** on identification and authentication of imported lighting products
- Setting regional and national criteria for **regulatory control of lighting products** and appliances
- Develop (semi-) commercially based cost-models for testing EELA
- Provide capacity building support for **national institutions, energy service providers** and financial institutions
Outcome 4: Awareness among market players and policy makers on EE lighting and appliances is enhanced

Awareness raising strategy for EE Appliances is developed and implemented

- Develop an awareness raising strategy
- Carry out an awareness raising campaign for EELA
- Develop CoC Best practice publication and sensitization material
- Workshops and side-events alongside major global and regional energy and climate events
- Maintain an interactive website integrated in the SACREEE and EACREEE Website including a document sharing facility on EELA
Outcome 4: Awareness among market players and policy makers on EE lighting and appliances is enhanced

Smartphone and Online Application

- develop a database for EELA products
- carry out a competition in cooperation with universities to develop a smartphone and online application to inform about product performance
Outcome 5 - Incentive mechanisms to encourage the uptake of EELA based projects in SADC and EAC established

Incentive mechanisms to encourage the uptake of EELA in SADC and EAC regions created

- Identification of mechanisms and business models supporting the integration of national and regional players
- Adapt and promote incentive mechanisms to assist purchasers to meet the initial costs of products - directly to purchasers and consumers, or to distributors and utilities or banks
- Adapt and promote incentive mechanisms for local private sector to upgrade local facilities and capacities in order to enhance capacities of local manufacturers and supporting the conversion of their facilities to produce EELA products
- Organisation of regional private sector focused workshops
EELA Implementation Arrangement

Swedish International Development Cooperation Agency (Sida)

UNIDO – Department of Energy

SADC Regional Center - SACREE

SADC Cooperation in Standards (SADCSTAN)

National Focal Institutions (NFIs) in SADC Member States

Output 1-5 implemented
Swedish Standards Institute
CLASP
Swedish Energy Agency (SEA)
Regional partners

EAC Regional Center - EACREEE

East African Standards Committee (EASC)

National Focal Institutions (NFIs) in EAC Member States
EELA PROJECT STRUCTURE

**Strategic Level**
- Project Steering Committee

**Management Level**
- UNIDO Project management team (PM and Expert) at HQ

**Operational Level**
- Project Coordination Unit (PCU) based at the regional centres (Admin and Technical Experts)

**Field Level**
- Focal Points in the EAC and SADC Member States and committee members
Project Steering Committee

A Project Steering Committee (PSC) will be established to provide strategic guidance and oversight on the project execution. The Chairperson and the Deputy Chairperson of the PSC will alternate between SADC and EAC. The PSC will meet twice a year.

Members of the Committee include the following:

- Two (2) representatives from the secretariats of EAC (1) and SADC (1),
- Four (4) country representatives (Director Level) from the ministries responsible for Energy (one (1) from EAC and three (3) from SADC) serving on rotational basis,
- The Executive Directors of EACREEE and SACREEE are ex officio members,
- Two (2) representatives from the private sector associations,
- One (1) representative from the Regional Association of Energy Regulators for Eastern and Southern Africa (RAERESA),
- One (1) representative from UNIDO, and
- One (1) representative from Sida.

Other representatives as well as observers can be invited upon unanimous agreement of the PSC members.
Project partners and regional stakeholders

EELA is developed by UNIDO and is presented to the **Swedish International Development Cooperation Agency** (Sida) for funding

**Project partners**
- SADC Centre for Renewable Energy and Energy Efficiency (SACREEE) and East African Centre for Renewable Energy and Energy Efficiency (EACREEE)
- Swedish Energy Agency
- Swedish Standard Institute
- CLASP

**Regional stakeholders**
- SADC and EAC and their subsidiary bodies
- National Ministries of Energy/ Environment/ Trade
- National Standards Bodies and regional coordination mechanisms (SADCSTAN, EASC)
- National Accreditation Bodies
- National Testing Facilities
- Private Sector Associations
- Producers of household and industrial appliances
The purpose of monitoring and evaluation are to:

- Track and communicate the project’s progress; and
- Collect information and understand the influence of the project and its activities on target beneficiaries to inform future initiatives.

The M&E Plan provides details and recommendations for:

- What indicators will be monitored;
- How indicators will be monitored;
- Who will monitor indicators;
- When (i.e. frequency with which) indicators will be monitored.
Estimated EELA budget

1) 6 months preparatory phase: EELA-PREP
   • Started in August 2018 – Budget: 500,000 EUR

2) 5 years implementation phase: EELA
   • Expected start: April 2019 – estimated budget: 5.5 Mio EUR
Thank you!

Contact

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