



Energy Efficient Lighting and Appliances project in SADC and EAC (EELA)

ISEC Workshop "Partnership opportunities in the scope of the Global Network of Regional Sustainable Energy Centers (GN-SEC)", 4th October 2018, Graz, Austria



Electricity use will to an increasing extent be lighting, appliances and equipment



Solid State Lighting (SSL)



Motors



Cool storage



Air conditioning



Welding

- the non-industrial electricity uses will increase in SSA, including households, smaller enterprises and buildings of all kinds.
- The smallest elements of this electricity use are lighting devices, appliances and equipment.
- Energy intensity is on average three times higher in developing countries than in developed countries, because of technical and non-technical losses in all parts of the system. (Source: AGECC)
- The relative importance of electrical appliances and lighting is higher. (Source: IPCC)



Energy Efficient lighting

- **15 per cent** of global electricity is used to light our homes, schools and businesses
- The use of lighting is **projected to rise by about 50 per cent** over the next two decades
- Electricity that powers these lights will be wasted if robust policies are not adopted and enforced
- Developing and emerging economies could reduce annual **electricity demand for lighting by 40 to 60 per cent**



Objectives of the EELA Program

The overall objective of this regional EELA project is to improve access to sustainable energy for women and men, girls and boys, and mitigate negative externalities of the energy system.

This will be achieved by promoting a **market transformation** for energy efficient lighting and appliances in EAC and SADC. More specifically the project aims to create market and institutional conditions to enable a transformation of the sector to **stimulate increased diffusion of efficient lighting products and appliances** across all sectors.

This project will bring **regional support to private sector-led activities** that will lead to increased use of energy efficient high quality lighting and appliances through **regional regulatory and trade harmonization interventions**; while also considering inclusiveness of all project activities to assure socially sustainable project outcomes.



The project objective is fulfilled through a number of activities that are expected to attain the following 5 outcomes:

Outcome 1 - Regional mechanism and platform established to coordinate actions on market transformation of EE lighting and appliances including the support of national Code of Conduct 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 regional testing capacity.

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.

The project will be implemented in 2 phases: 1)Inception and 2)Implementation phase



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

Possibilities for private sector to get involved in the project

- A partnership framework will enable engagement with private sector in the project.
- A variety of expertise is required throughout the project and tenders will be published by UNIDO to engage consultants/service providers
- For companies working in the area of RE and EE – interesting market opportunities will open up
- SACREEE and EACREEE are centres of excellences and also work with private sector



Thank you and Contact

Karin Reiss, UNIDO/SACREEE Sustainable Energy Expert

Ausspann Plaza No. 1
No. 11 Augustino Neto Street
Ausspannplatz
Windhoek, NAMIBIA
Tel: +264 (61) 300 051

Karin.Reiss@sacreee.org

k.reiss@unido.org

www.sacreee.org

www.unido.org