

IEA TRAINING WEEK ON ENERGY EFFICIENCY POLICY FOR SUB-SAHARAN AFRICA PRETORIA, SOUTH AFRICA

WHY EELA IN SADC REGION

READLAY MAKALIKI – LEAD TECHNICAL EXPERT

14th October 2019



SACREEE

SADC CENTRE FOR RENEWABLE ENERGY & ENERGY EFFICIENCY



PRESENTATION OUTLINE

- **Introduction to SACREEE**
- **SACREEE Focus Areas**
- **SADC Regional Information**
- **EELA Project**
- **Partners and Implementing Agencies**

FOR THE ENVIRONMENTAL ACTION FOUNDATION



INTRODUCTION TO SACREEE

- **SACREEE was established in 2015 by the SADC Energy Ministers and endorsed by 35th SADC Council of Ministers Meeting -Decision 61 with a mandate to promote**
 - increased access to modern energy services
 - improved energy security across the SADC Region
- **through the promotion of market based adoption of renewable energy and energy efficient technologies and energy services.**
- **In 2017, the Energy Ministers Mandated SACREEE to implement the Regional Renewable Energy and Energy Efficiency Strategy and Action Plan (REEESAP) .**
- **SACREEE is established on a sustainable basis through Member States contributions, Donor funding and cost recovery from services offered to projects.**
- **SACREEE Secretariat is based in Windhoek, Namibia**
- **Officially Launched on 24th October 2018**

Partnerships are key! The SACREEE core supporters



AUSTRIAN
DEVELOPMENT
COOPERATION



SACREEE

www.sacreee.org



SACREEE FOCUS AREAS

Policy



**Capacity
Building**



**Knowledge
Management**



Financing

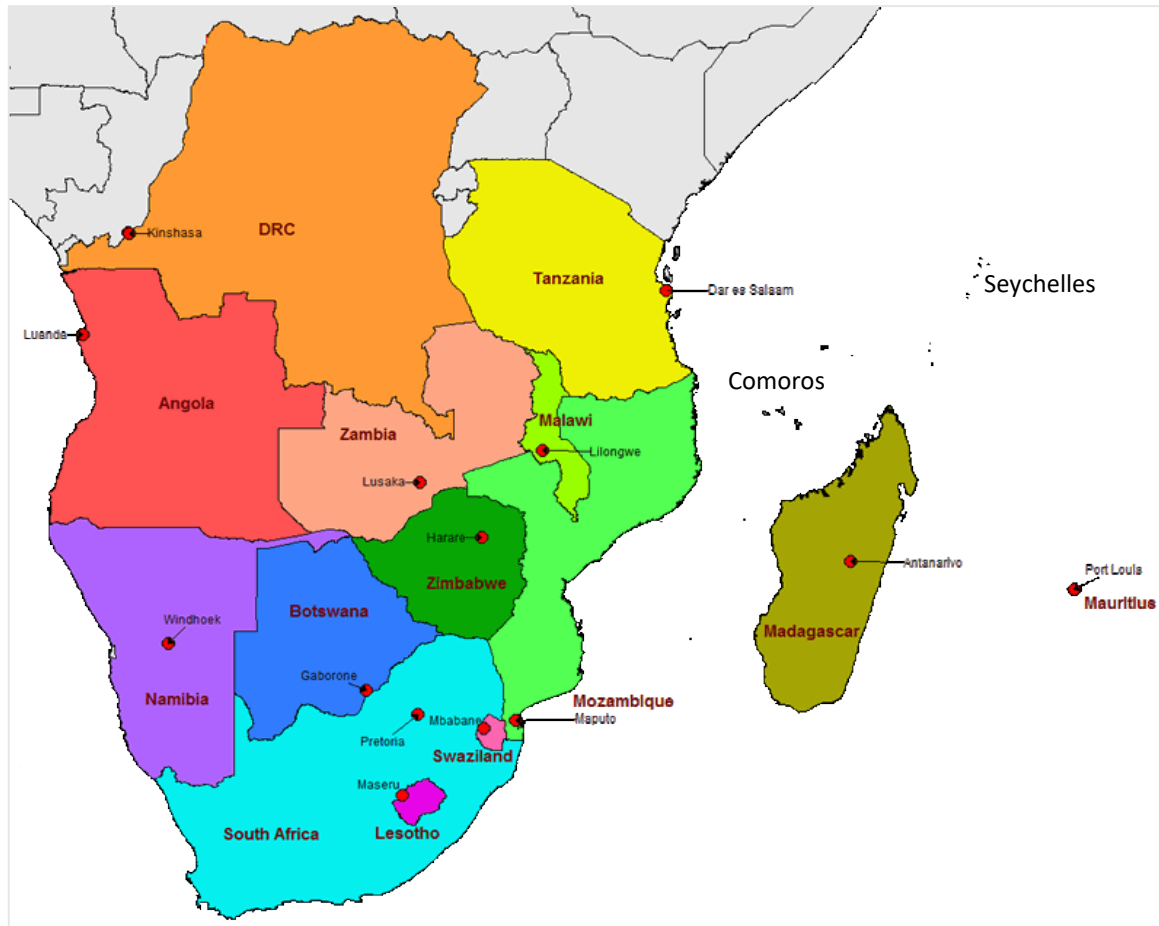


- ☐ Energy Data and Knowledge Platform
- ☐ Energy Efficiency
- ☐ Energy Access including Clean Cooking
- ☐ Nexus – Energy/Water/Agriculture/Health/Gender
- ☐ Small Hydro Power Development
- ☐ Resource Assessment and Grid Integration
- ☐ Energy and Gender Mainstreaming
- ☐ Entrepreneurship Support
- ☐ Early Stage Project Development

SACREEE IS AN OPEN ACCESS PLATFORM FOR KNOWLEDGE AND DATA SHARING



SADC REGIONAL INFORMATION



1. Angola
2. Botswana
3. Comoros
4. DRC
5. Eswatini
6. Lesotho
7. Madagascar
8. Malawi
9. Mauritius
10. Mozambique
11. Namibia
12. Seychelles
13. South Africa
14. Tanzania
15. Zambia
16. Zimbabwe



REGIONAL INFORMATION

- Drawn from the SADC 2018 RE&EE Status Report
- 16 Member States Considered (excludes Comoros)
- Wide diversity of demographic and socio-economic characteristics
- Population of 340.6 million growing at around 2% a year
- The SADC region accounted for approximately 33% of sub-Saharan Africa's total population of 1.02 billion in 2017
- Democratic Republic of the Congo (DRC), South Africa and Tanzania accounted for 57% of the region's population.

- Member State GDPs vary widely, from USD 1.4 billion (Seychelles) to USD 294 billion (South Africa)
- GDP per capita variation, ranging from USD 317 (Malawi) to USD 15,144 (Seychelles), with both overall and per capita GDP declining slightly since 2015.
- Differences in levels of socio-economic development, as measured by the United Nations Human Development Index: from a low of 0.418 (Mozambique) to a high of 0.782 (Seychelles)
- Energy Access
 - Average 48%, Urban 75%, Rural 32%
 - Big variations at Member State level (Malawi lowest at 11%, Seychelles & Mauritius at 100%)



REGIONAL INFORMATION

- Installed Capacity – 71GW
- Operating Capacity – 59 GW
- Peak Demand + Reserves – 58GW
- Deficit for Operating Members – 255MW
- Deficit varies at country level
- Some countries have instituted load shedding due to generation deficits in some cases up to 10-12 hours
- DSM Programs by Utilities to mitigate power deficit
- Not sustainable in the long run as it depends on the utilities balance sheet

- SADC Ministers Responsible for Energy made declaration to phase out inefficient lighting by December 2019
- Only two countries have banned incandescent bulbs through SIs
- Couple of countries developing EE Strategies/Policies
- Need for systematic regional approach



ENERGY EFFICIENT LIGHTING AND APPLIANCES - EELA

- Funded by the Swedish Government through Sida and implemented by UNIDO
- To be Implemented In East African Community (EAC) and SADC Region
- The overall objective is to create market and institutional conditions to enable a transformation of the sector to stimulate increased diffusion of energy efficient lighting products and appliances across all sectors
- **Key Activities**
 - Stimulate Private sector participation
 - Development of MEPS
 - Capacity Building
 - Awareness raising

- **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.
- **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.



PARTNERS & IMPLEMENTING AGENCIES



Funding Agency



Implementing Agency

Implementing Partners



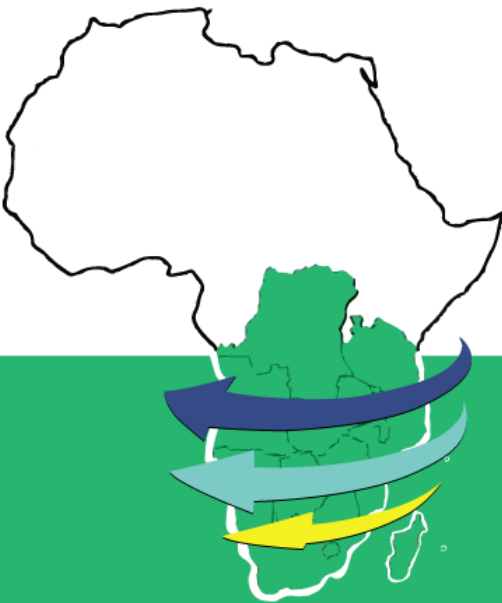
**Executing
Centres**



Counterparts at Country Level

- National Ministries responsible for Energy
- National Ministries responsible for Trade
- National Standards Bodies
- Regional Standards Coordination (SADCSTAN)
- National Accreditation Bodies
- National Testing Facilities
- Private Sector Associations
- Producers of household and industrial appliances





SACREEE

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THANK YOU