

ENERGY EFFICIENCY APPLIANCES AND ON-BILL FINANCING WORKSHOP

Energy Efficient Lighting and Appliances (EELA) Project in East and Southern Africa

Readlay Makaliki – Lead Technical Expert

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Presentation Outline

- 1. EELA APPROACH TO CHANGE**
- 2. EELA INTERVENTIONS**
 - **Policy Framework**
 - **Capacity Building**
 - **Private Sector Support**
 - **Communication and Outreach Activities**
 - **Webinar Series**



Energy Efficient Lighting and Appliances in East and Southern Africa - EELA

EELA has a transformational approach towards the development of vibrant markets where suppliers are delivering high-quality services and products for energy efficient lighting and appliances to increase awareness for households, businesses and public facilities across East and Southern Africa. EELA stimulates local manufacturing and private sector investments.

The EELA approach to change



Market incentives for the private sector to deliver efficient and high quality energy services



Minimum Energy Performance Standards (MEPS) for appliances which are harmonized in the region



Capacity building on policy and regulatory framework development, appliances testing and regulatory enforcement



Awareness raising on the benefits of adopting efficient technologies across all stakeholders



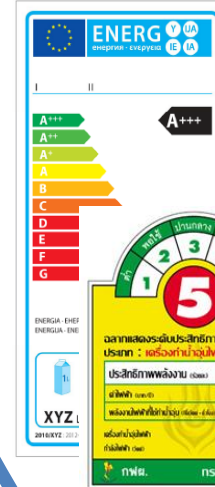
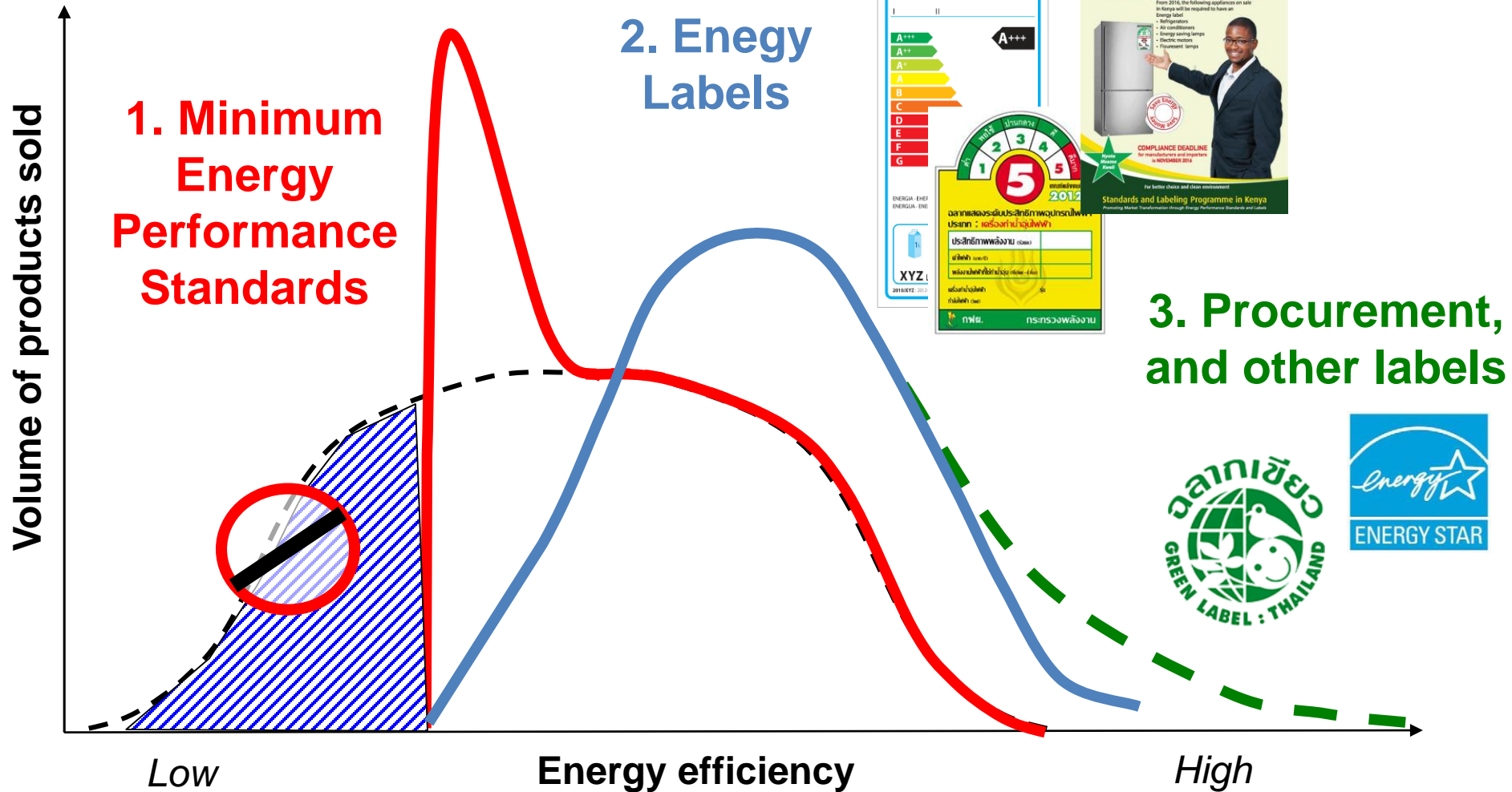
A coordinated regional effort through RECS and regional sustainable energy centres



Implemented by UNIDO with financial support from the government of Sweden



How Do We Transform to EE



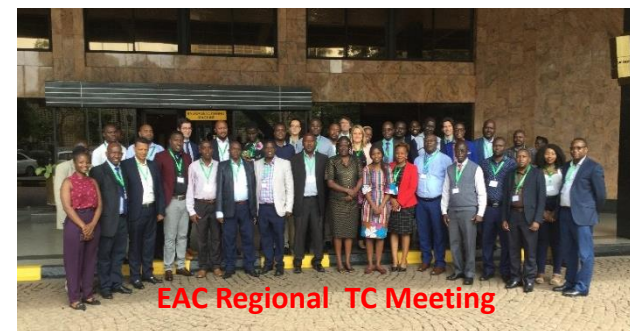
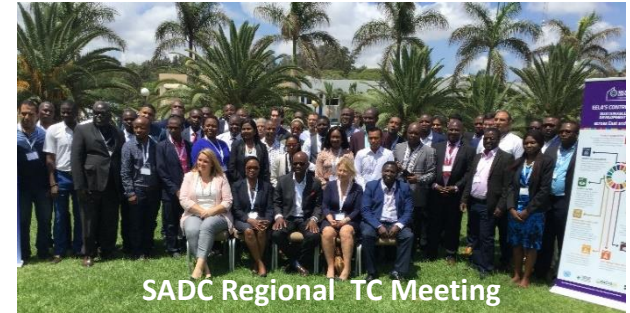
Benefits of Market Transformation Towards Efficiency

- **Household savings** - reduce household energy bills (but still enjoy the same services!);
- **Grid reliability** – reduce electricity shortages (brown-outs / black-outs); reduces peak power demand
- **Save national investment** – reduce capital and loans tied up in power stations and grid upgrades; slows new demand growth
- **Consumer protection** - avoid becoming dumping-ground for technologies banned elsewhere
- **Energy imports** – reduce capital out-flow for fuel purchases / electricity imports; strengthen national energy security
- **Climate change** – develop on a ‘soft energy path’, avoid becoming a high CO₂ emission country



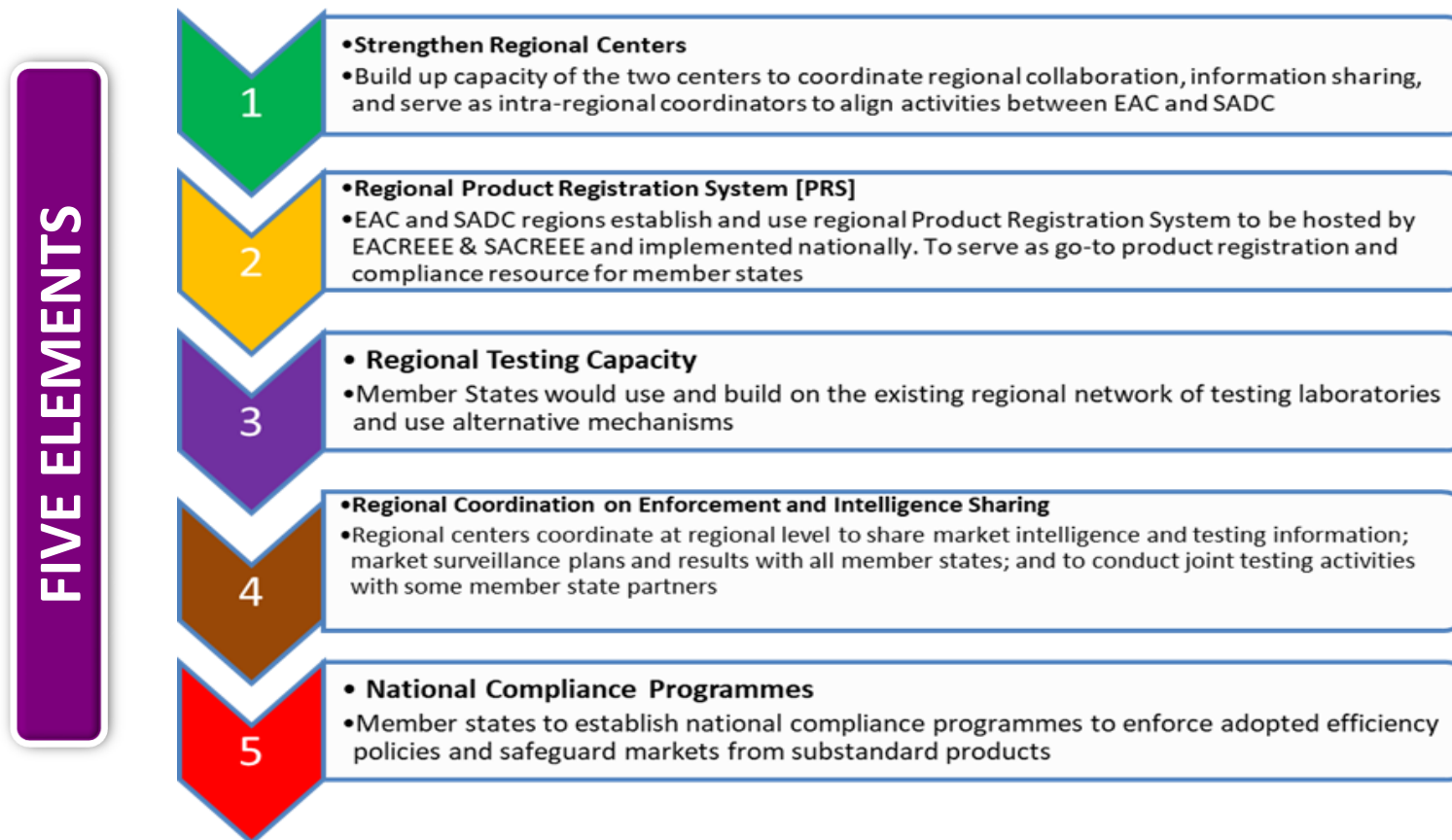
Policy Framework

- Regional Technical Committees (TC) for SADC and EAC Established
- TC inaugural meetings 27 and 29 November 2019 in Lusaka and Nairobi respectively
- Draft MEPS for lighting for EAC and SADC developed and shared with Regional TC to kick start adoption process
- Series of national stakeholder consultations held to seek consensus
- SADCSTAN has since approved and adopted lighting MEPS by April 2021
- EAC TC51 will soon convene to adopt lighting MEPS after successful national consultations
- Collaboration with UNEP's U4E on co-sponsoring development of MEPS for cooling appliances (Refrigerators & Air Conditioners)



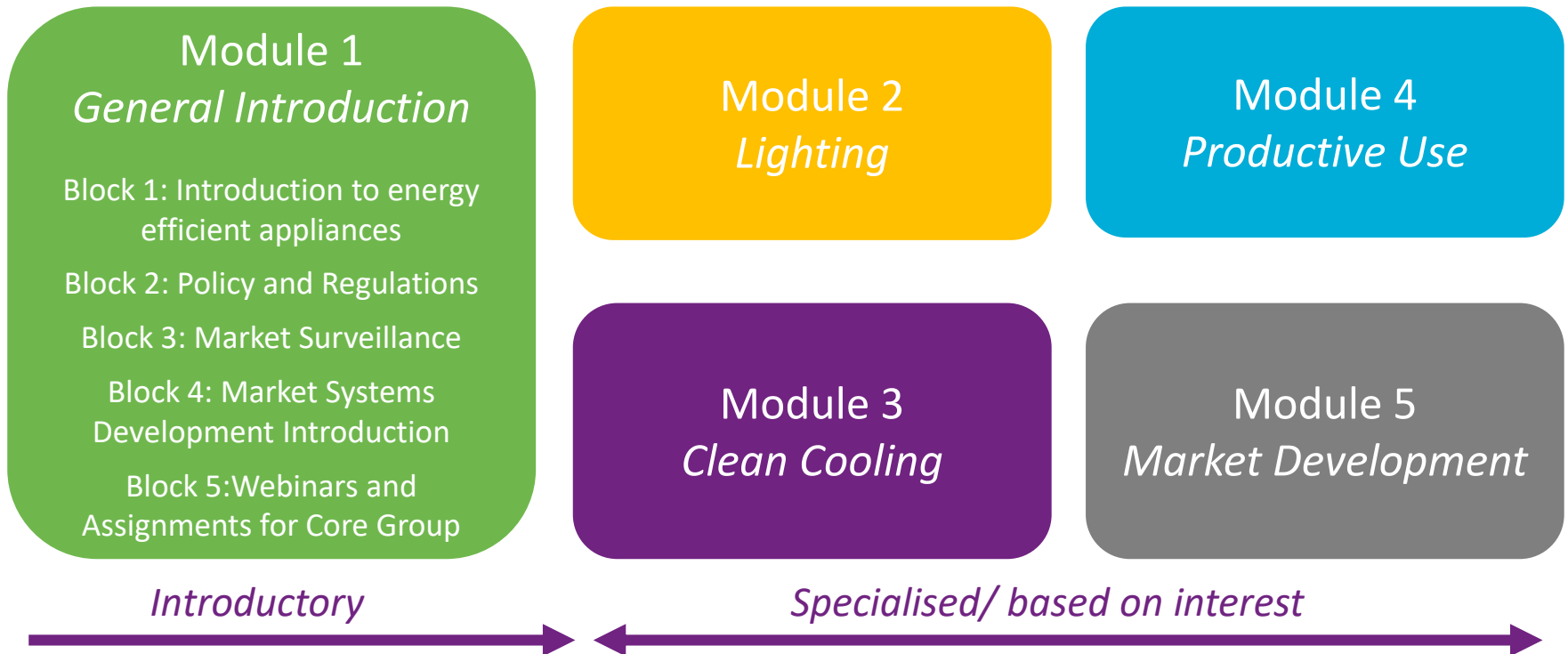
Regional Compliance Framework

GOAL: to enable member states effectively implement regionally harmonized energy efficiency policy measures and protect EAC and SADC markets from non-compliant and low-quality products



Capacity Building of key Stakeholders - EELA Online Training

e-Learning platform is a substitute to the planned physical trainings to technical staff. Advantages include wider reach, more content and can be done at participants convenience.

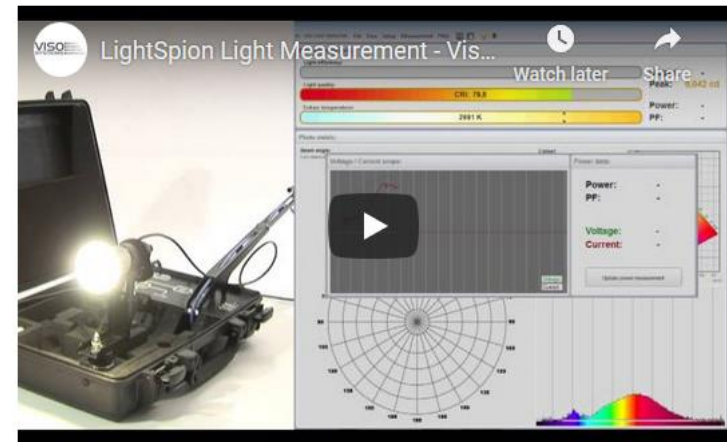


Capacity Building of key Stakeholders

- Lack of ability by MS to carry out market surveillance
- Test equipment key to market surveillance and standards enforcement
- EELA Project to capacitate 2 Regional Labs
- Portable Lighting Test Equipment procured for 21 Member States
- For use in Market surveillance and conformity checks

MEASURE IN 30 SECONDS

- Lumen
- Peak candela value
- Color temperature, CCT
- Spectrum, CRI, TM30, CQS
- Beam angle
- Detailed light distribution
- Power and power factor
- Lumen per Watt



Measure any type of Light Source

Measures a variety of parameters
No expert Knowledge required to use the equipment

Private Sector Support

Through the Facility EELA is providing support in Three ways



Technical Assistance (TA) to potential clients e.g. municipalities, cities or industries to design the right energy efficiency service business model and to engage an energy service company



Financial Support is provided to energy service companies to particularly support the upfront costs for the purchase of equipment (co-financing facility)



Technical/Financial Support for Manufacturing companies wanting to transition to EE products

Open Call for Expression of Interest launched until 31 December 2021

- BUSINESS MODELS – EPC, LEASING, CaaS, LaaS – Innovation
- EE TECHNOLOGIES – Lighting, Cooling, Productive Use
- Advisory Firm engaged

Private Sector Support

Technical Assistance and Co-Financing Facility Summary

	Window 1	Window 2	Window 3
Applicants	Energy users	Energy service providers	Manufacturers
Support offered	Technical assistance to design an Energy Efficiency project applying an energy service business model	Non- repayable grant to cover upfront costs for equipment Max. 200,000 EUR	Non- repayable grant to support technology upgrade Max. 100,000 EUR
Required own contribution	Demonstrated commitment to implement the project	Signed contract with a client. At least 25% demonstrated co-financing	Demonstrated need for upgrade of manufacturing At least 25% demonstrated co-financing

Communication Strategy

Designed to position EELA's unique mission, and to keep critical stakeholders informed and engaged

- Key stakeholder were consulted for the formulation of a communication strategy
- Identified risks and opportunities
- most relevant stakeholders to whom the EELA project shall communicate were identified
- General EELA, Private sector videos and flyers developed
- Pop up banners, social media cards and Stickers

EELA Communications Areas

Area 1

Internal Communications

Goal: All staff, consultants and national focal points involved in EELA speak with one voice about the range of benefits and opportunities offered by the project .

Target Audience: Staff, consultants, collaborators and national focal points.

Area 2

Private Sector Engagement

Goal: Relevant private sector actors understand the business opportunity and how they can become engaged.

Target Audience: National and regional private sector companies, international manufacturers.

Area 3

Policy and Standard Setting Process

Goal: MEPs are co-developed, understood and implemented by all countries.

Target Audience: Policy and decision makers in all project countries

Area 4

Consumer outreach & behavior change

Goal: End users make informed choices when purchasing efficient products.

Target Audience: The population at large (with relevant segmentations) in all EELA countries.

Roadmap and calendar of project milestones developed and published on the project websites of the centers

EELA Webinar Series



Join the EELA webinar series!

The EAC and SADC region are taking important steps towards the organised by the EELA partners and will showcase opportunities. Participation in the webinars is free of charge but requires prior registration.

Enabling policies for a market transformation towards EELA

29 September @ 10:00 am – 12:30 pm CAT

Opportunities for private sector participation in EELA

21 October 2020 @ 10:00 am – 12:30 pm CAT

Putting a gender lens on EELA

11 November 2020 @ 10:00 am – 12:30 pm CAT

Monitoring, Verification and Enforcement

4 December 2020 @ 10:00 am – 12:30 pm CAT

Switch it on!

REGISTRATION



Join the EELA webinar series 2021!

Pathways to Repair in the Global Off-grid

Date & Time: 18 May 2021 @ 10:00am – 12:00pm CAT

Accessing financing for energy efficient lighting and appliances

Date & Time: 14 July 2021 @ 10:00am – 12:00pm CAT

Opportunities for Energy Efficiency for on- and off-grid productive use equipment

Date & Time: 6 October 2021 @ 10:00am – 12:00pm CAT

Early lessons from the EELA Technical Assistance and Co-Financing Facility and prospects for scalability

Date & Time: 8 December @ 10:00am – 12:00pm CAT



Switch it on!

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ENERGY
EFFICIENT
LIGHTING
AND APPLIANCES
in East and Southern Africa

THANK YOU

CONTACT

UNIDO

Ms. Karin Reiss, email: K.REISS@unido.org

Ms. Evita Moawad, email: E.MOAWAD@unido.org

EACREEE

Mr. Fungai Matura, email: info@eacreee.org

Mr. Denis Ariho, email: info@eacreee.org

SACREEE

Mr. Readlay Makaliki, email: energy@sacreee.org

For further information, visit:

www.eacreee.org | www.sacreee.org | www.unido.org

