



CTCN

CLIMATE TECHNOLOGY CENTRE & NETWORK
UNFCCC Technology Mechanism

Climate Technology Centre and Network of the UNFCCC -

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UN 
environment



CTCN Mission

To promote the accelerated development and transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate-resilient development



Phase 1 – Market Research

Key Focus:

- Lighting
- Refrigerators
- Air-conditioning
- Motors
- Transformers

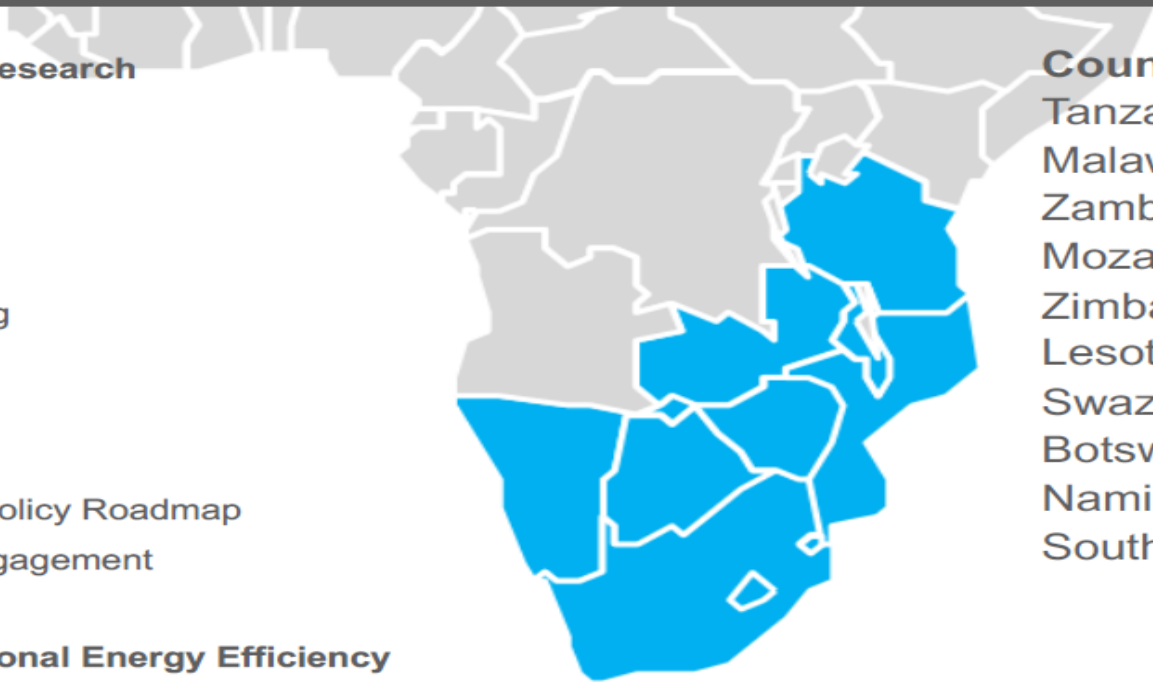
Phase 2: Regional Policy Roadmap

Phase 3: Funder Engagement

Ultimate goal: Regional Energy Efficiency

Countries

Tanzania
Malawi
Zambia
Mozambique
Zimbabwe
Lesotho
Swaziland
Botswana
Namibia
South Africa



Partners:

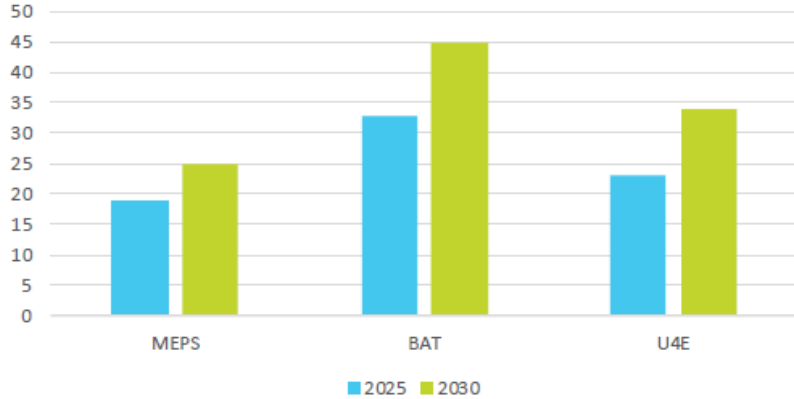


Projected Regional Savings by 2025

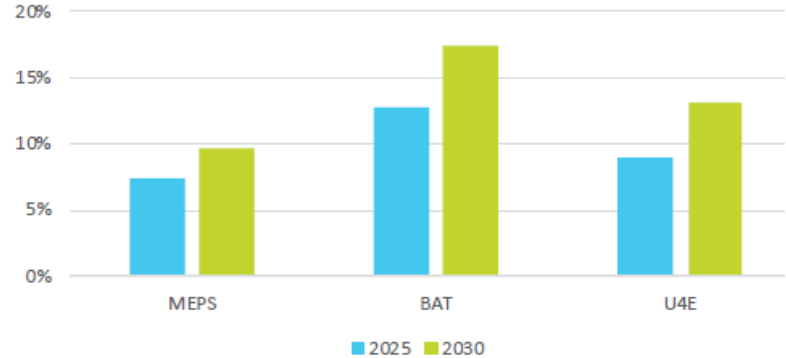
Appliance/Equipment	MEPS	BAT
Lighting	12690 GWh	22373 GWh
ACs	285 GWh	551 GWh
Refrigerators	1539 GWh	2188 GWh
Motors	1353 GWh	1964 GWh
Transformers	3331 GWh	5515 GWh

Results : Regional Context

Projected energy savings in TWh



Projected savings as percentage of current regional electricity consumption



Electricity Consumption

Global – 24,000 TWh per annum

10 Countries – 260 TWh per annum combined (0.1% of global consumption)

	GWh Savings: 2025	GWh Savings: 2030
DNVGL MEPS	19198	24536
DNVGL BAT	32592	45347
U4E Target	23068	34024

Cooperation between the Financial (GCF) and Technology (CTCN) Mechanisms of the UNFCCC



COP

Mechanisms:

Established in 2010
Operational in 2014

Mandated to collaborate to support Means of Implementation

NDA

Invited to use GCF funds for TNAs and TAPs

Encouraged to collaborate with NDE

Countries

Invited to base GCF proposals on TNA and CTCN TA

Invited to use GCF readiness and PPF for CTCN TA implementation

Framework of Industrial Energy Efficiency Regulations (IEER) in SADC region

Objectives:

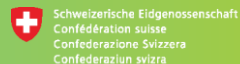
- To develop a harmonized framework of regulations leading to continual adoption and reporting thereof on implementation of energy efficient technologies and practices in industrial sectors of the economy.
- To suggest institutional set up under the regulatory framework to monitor and report on the activities towards the compliance of the regulations under the proposed framework.

- Review existing data on sector wise energy consumption in industries of each SADC countries. Identify any existing regulations or policies promoting industrial growth regulating energy use in these sectors by respective countries.
- Develop a methodology to identify and classify the industrial sectors and specific industries to come under the purview of the framework of the IEER. (Designated Industries)
- Develop the framework of IEER which broadly would encompass the following:
 - Appointment of Energy Manager in the Designated Industries.
 - Manner and Interval of Time for Conduct of Energy Audit in Designated Industries, including templates for reporting data, energy audit reports and compliance reports.
 - Minimum Qualification for Energy Auditor and Manager including necessary experience in the field.
 - Certification Procedures for Energy Auditors and Energy Managers through conduct of assessments examination, syllabus, registration etc.
 - Qualifications, Criteria and Conditions Subject to Which A Person May be Accredited as An Energy Auditor and The Procedure for Such Accreditation and Maintenance of their List.
 - Form and Manner and Time for Furnishing Information regarding Energy Consumed and Action Taken on Recommendations of Accredited Energy Auditor.
 - Proposed Institutional structure and its role and responsibilities to coordinate and implement the activities under the IEER framework.



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Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO



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Comhahool, Pobel agus Rialtas Ábháil
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Government Offices of Sweden
Ministry of the Environment and Energy

Thank you



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