

United Nations Environment Programme en.lighten initiative

Goals and components of a Regional Efficient Lighting Strategy in ECOWAS

ECOWAS Regional workshop on Initiatives on Standards and Labeling, Efficient Lighting and Energy
Efficiency in Buildings
22 April 2013, Ouagadougou, Burkina Faso

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Value Added of Regional Strategy

- “ **Coordinated platform and criteria**

To address the quality issue of lighting products in the ECOWAS region, eliminating low quality products and accelerate the phase-out inefficient lamps

- “ **Realization of substantial additional energy savings**

Through adoption of stringent performance requirements and broader product scopes than are currently in place

- “ **Lower compliance costs**

For manufacturers through the use of uniform test methods and other regulatory and informational mechanisms

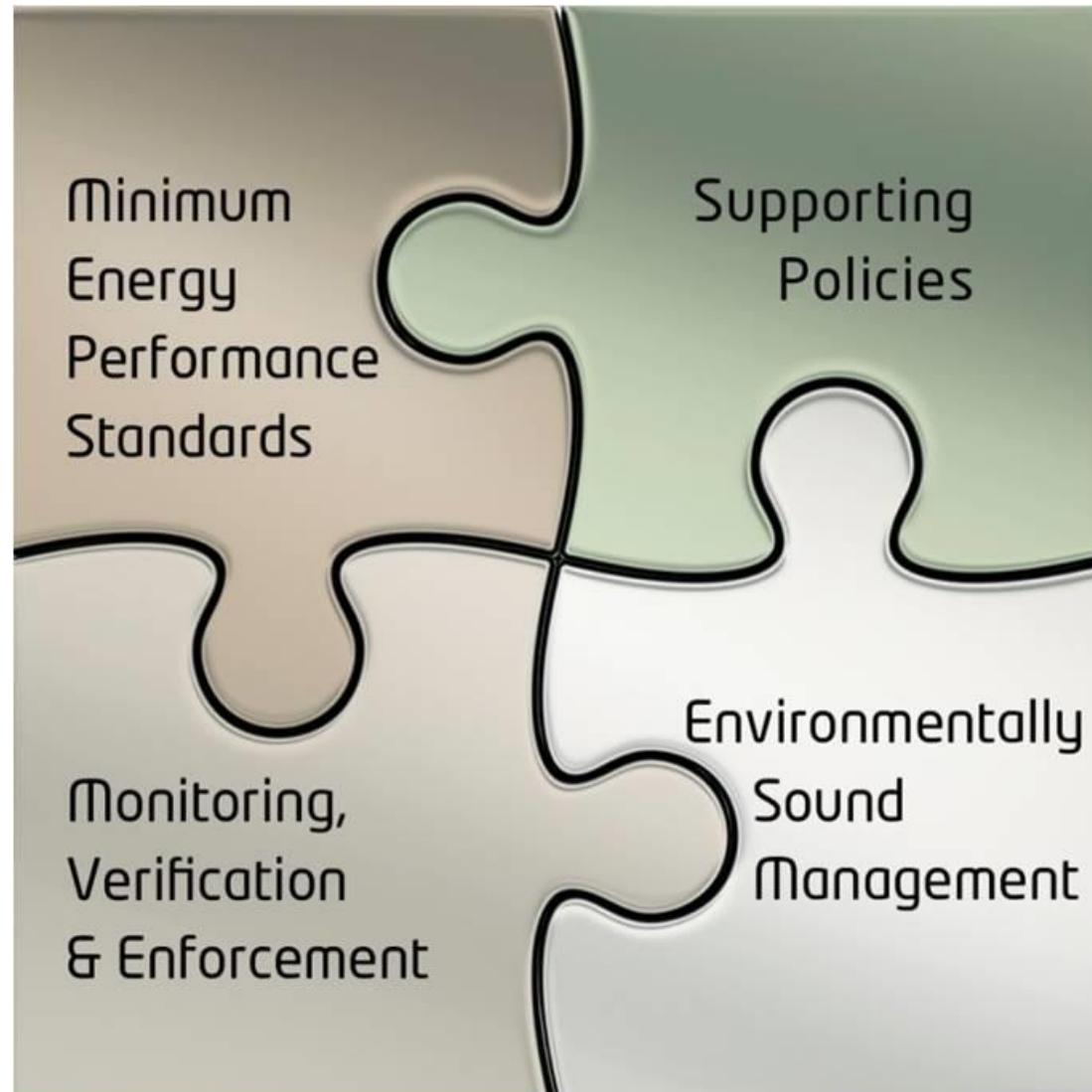
- “ **Increased regional trade / market competition**

through the removal of barriers to regional trade, improved the potential for local and cross border enforcement actions, and potentially lowered costs to consumers

- “ **Improved credibility and clarity of product information to consumers**



Recommended activities



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Recommended activities - MEPS

Objective : Align current energy performance requirements and potentially establish MEPS for non-directional household lamps harmonized across all ECOWAS countries

“ **Suggested activities:**

- “ Evaluate respective progress on MEPS for lighting in each ECOWAS country
- “ Review existing MEPS requirements and consider more ambitious levels
- “ Consider what neighboring or similar countries have or plan to adopt for MEPS
- “ Conduct economic analysis to determine benefits from migrating to efficient lighting
- “ Study supply chains to ensure appropriate and compliant products are available in the national markets
- “ Consider adding additional classes of lighting products such as linear fluorescent lamps, high intensity discharge lamps (HID) and ballasts
- “ Coordinate lighting regulations with building energy code requirements



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Recommended activities - Supporting policies

Objective: Ensure the successful implementation of MEPS through supporting policies and mechanisms

“ Suggested activities

❖ Communications

- Encourage, facilitate and expand the communication and sharing of information between regulators, test experts, consumers and other stakeholders
Improve transparency of regulatory processes and communication between regulators
- Raise awareness among consumers about high-quality, energy-efficient CFLs and LED lamps

❖ Labelling

- Establish a framework for setting labels or establishing a quality mark
- Develop a regional voluntary “reach” efficiency standards and labeling system



Recommended activities-Supporting policies (cont'd)

“ Suggested activities

❖ Fiscal instruments

- Establish n-bill financing for efficient on and off-grid lighting products
- Implement subsidies for efficient on and off-grid lighting products
- Establish tax increases for inefficient on and off-grid lighting products
- Harmonize tariff structure for imports of efficient technologies with nearby countries

❖ Others

- Establish regional cooperative procurement and distribution through a rebate or a giveaway programme of efficient on- and off-grid lamps



Recommended activities

Monitoring, Verification, Enforcement

“ **Objective:** Align monitoring systems methods of measurement and metrics of performance for lamps

“ **Suggested activities**

- Support the development of regional test methods, coordinated around review cycles
- Consider harmonizing around a consistent set of IEC, CIE & ANSI/IESNA test methods as the basis for common test procedures on quality and energy performance
- Establish a technical committee to review existing international test methods and adopt common test methods for ECOWAS region
- Investigate potential for testing lamps regionally
- Establish harmonized enforcement measures in case of non-compliance



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Recommended activities

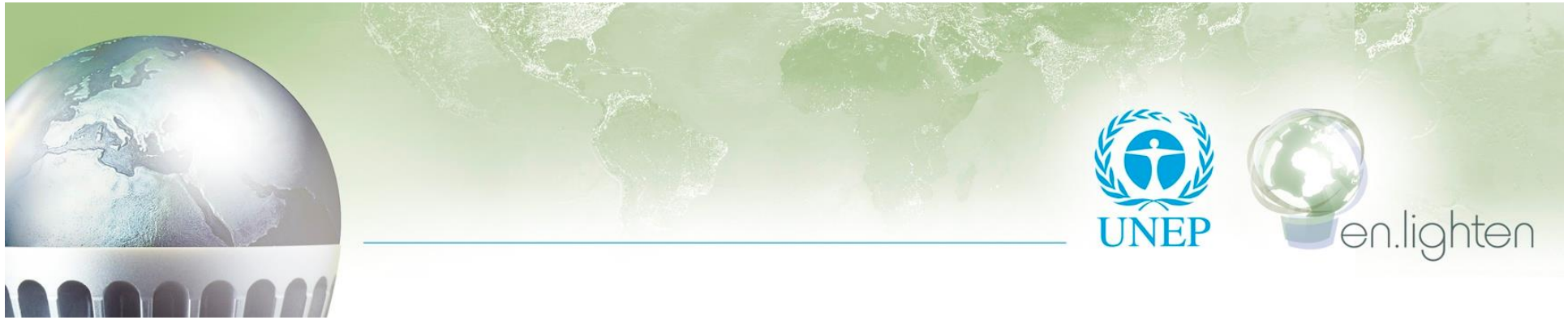
Environmentally Sound Management

” **Objective:** Minimize the impact of the lighting products on health and the environment throughout their life-cycle

” **Suggested activities**

- Investigate logistical model that could facilitate recovery and recycling of lighting products or expand existing programmes to ensure all lighting products are included, especially fluorescent lamps and ballasts.
- Consider a financial system (e.g., trade-in scheme) to incentivize collection of used lighting products in rural and urban areas
- Establish a locally appropriate voluntary or mandatory recycling
- Develop education and awareness campaign for waste collectors and consumers
- Develop and implement regional regulation on maximum allowed mercury levels in CFLs





Thank You

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