



# Developing a National Efficient Lighting Strategy Process and best practices from other countries

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**PHILIPS**



**nLTC**

National Lighting Test Centre  
China



# Objectives and Benefits

**Objective :** Ensuring a rapid and sustainable to efficient lighting

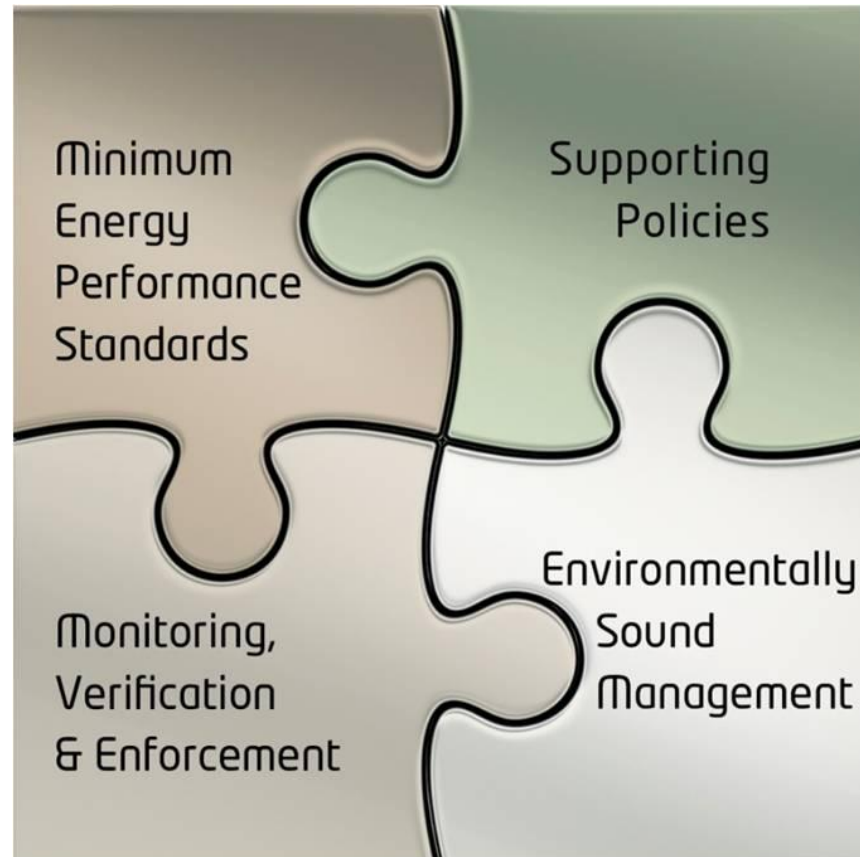
**Methodology:** An integrated policy approach including:

- Minimum Energy Performance Standards (MEPS) and labelling
- Monitoring, verification and enforcement (MVE)
- Supporting policies and financing mechanisms
- Environmentally sound management

**Approach:** consultative and transparent through involvement of national stakeholders



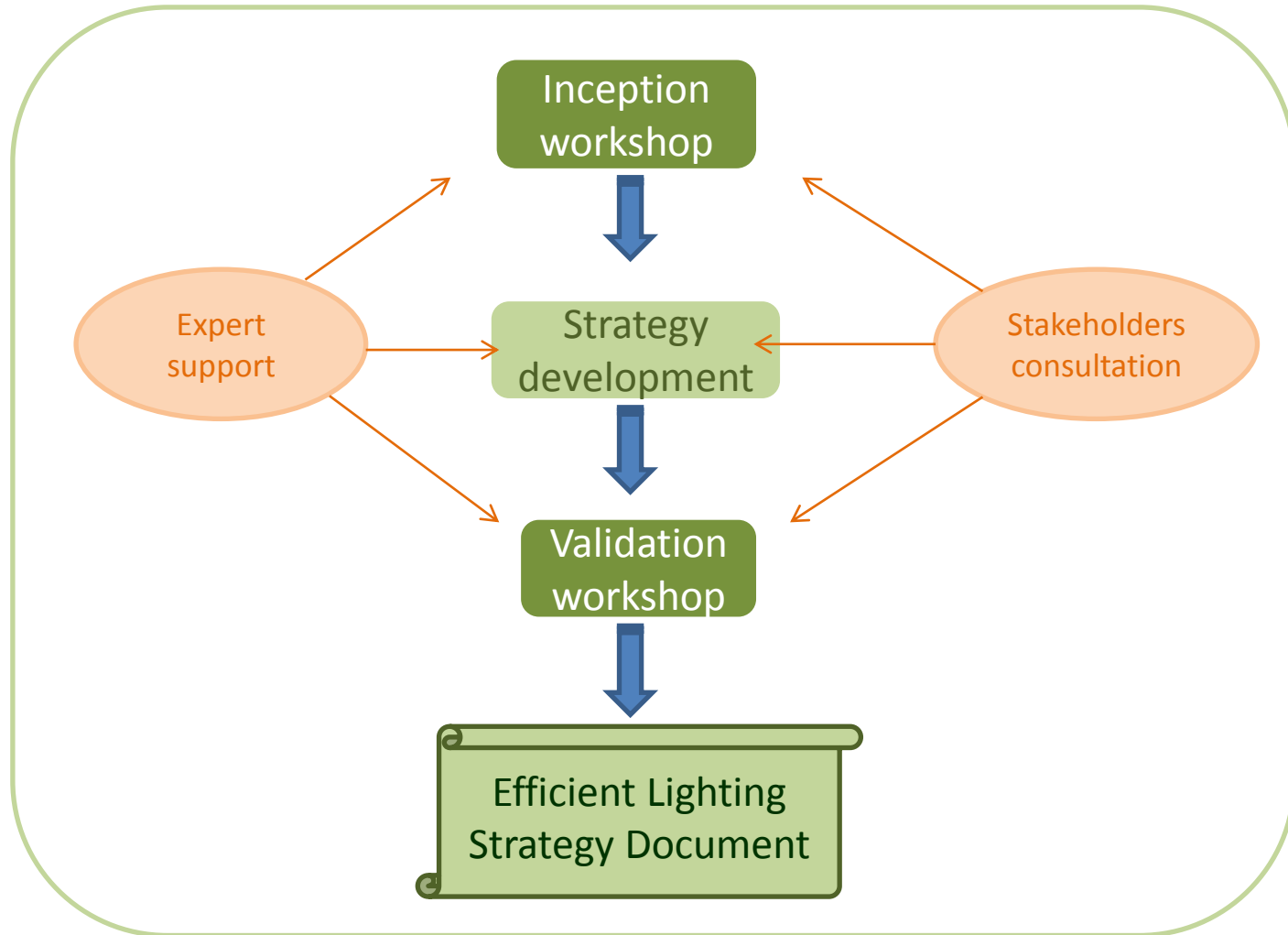
# The Integrated Policy Approach



# Key Milestones

- 1 Assess the **status** of the country in terms of efficient lighting
- 2 Identify the main experts and key decision-makers and establish a **national project committee**
- 3 Organize a workshop to **inform the main stakeholders** of the initiative and gather perspectives
- 4 **Develop a draft national efficient lighting document**, following an integrated policy approach and including clear objectives, processes, responsibilities, timeline and budget
- 5 Submit the draft to **public consultation** and finalize the document
- 6 Ensure **high level endorsement** of the strategy

# Stakeholder Engagement



# **Suggested representatives in National Coordinating Committee on lighting**

Ministry of Energy

Ministry of Industry

Ministry of Finance

Ministry of Commerce of Trade

Ministry of Environment

Ministry of Science and Technology

Ministry of Power

Custom authorities

Lighting products distributors

Energy-related non-governmental organizations

Relevant development agencies

Others as relevant...

# Processes and timelines – Tunisia

- Focal Point: National Energy Efficiency Agency
- Over 7 national bodies involved
- 18 months process

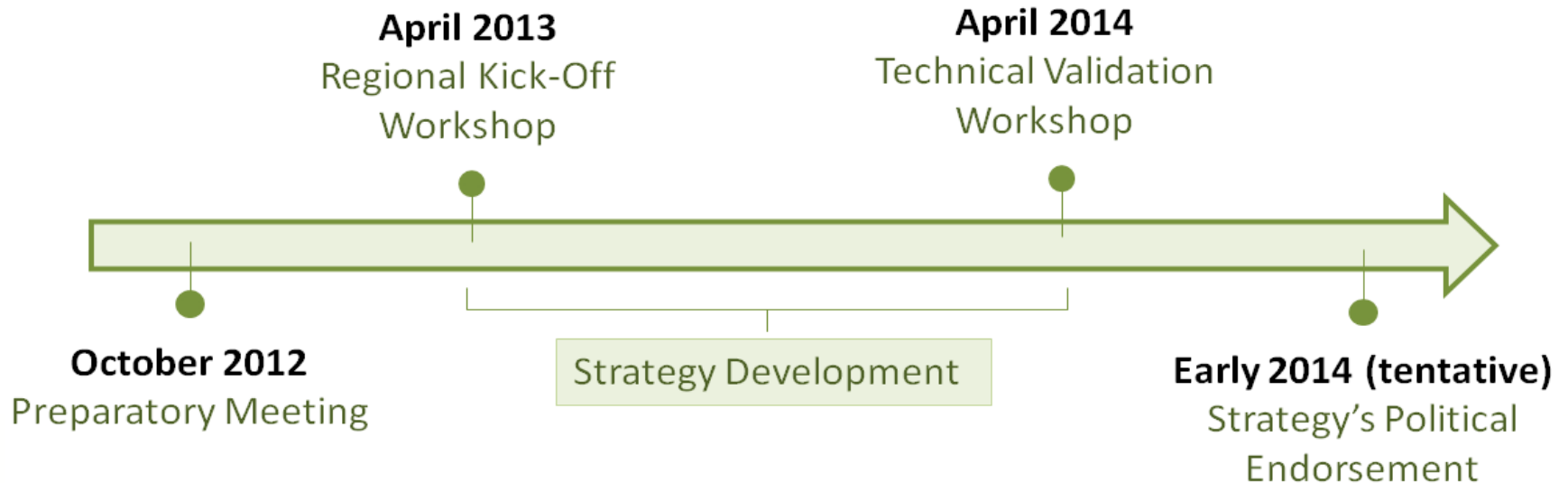


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# Processes and timelines – West Africa

- Regional institution involved
- 15 West African countries
- 18 months process





# Three Key Success Factors

- ✓ Commitment of high level policy makers
- ✓ Consultation and engagement of all national stakeholders
- ✓ Coordination between on-going national programmes

# Suggested Activities

## Minimum Energy Performance Standards

**Objective** : Establish MEPS for non-directional household lamps in line with the upcoming ASEAN harmonized approach

- 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 will be available on the national market
- In the long term, 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



# Suggested Activities

## Supporting Policies

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

- Encourage, facilitate and expand the communication and sharing of information between regulators, market control experts, consumers and other stakeholders
- Raise awareness among consumers about high-quality, energy-efficient lamps
- Establish a framework for setting labels or establishing a quality mark
- Establish on-bill financing for efficient on and off-grid lighting products
- Harmonize tariff structure for imports of efficient technologies with nearby countries
- Establish procurement and distribution through a rebate or a giveaway programme of efficient on- and off-grid lamps



# Suggested Activities

## Monitoring, Verification and Enforcement

**Objective :** Develop a scheme for an effective market control, including development of testing or test result interpretation capacity

- Develop a legal framework and procedures for market control and monitoring
- Visit existing test laboratories in the region and discuss means of cooperation
- Define the requirements for a test laboratory to be established in Myanmar
- Decide upon the installation of a proper test laboratory in Myanmar
- Train laboratory staff on how to perform the tests or interpret test results
- Establish enforcement measures in case of non-compliance
- Contribute to ASEAN harmonized product registration database



# Suggested Activities

## Environmentally Sound Management

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

- Investigate logistical model that could facilitate recovery and recycling of lighting products
- 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 regulation on maximum allowed mercury levels in CFLs



# Discussion

1. What are the main energy challenges faced by Myanmar?
2. What steps have you begun to take to improve energy access and efficiency at the national level ?
3. What do you think are the main obstacles of the transition to efficient appliances in your country ?



## Discussion (continued)

1. Which element of the integrated policy approach would be the most important in Myanmar?
2. What electrical appliances would you like to address in priority ?
3. Which stakeholders should be involved in the process ?
4. What support to you need (technical, financial, methodological)?

