

# Efficient Lighting

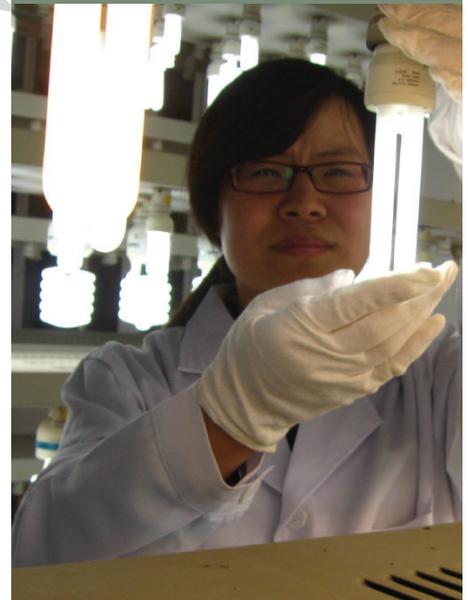
## MONITORING, VERIFICATION AND ENFORCEMENT IN SOUTHEAST ASIA AND THE PACIFIC

The success of the transition to efficient lighting depends on an effective system of monitoring, control and testing infrastructure. Without ongoing assessments and product performance testing conducted in qualified laboratories, non-compliant lighting products may enter markets, disappoint users and reduce expected energy and financial savings. Compliance activities protect users from products that fail to perform as declared, and ensure that regulators and the private sector can fulfill policy objectives.

### BENEFITS FOR PARTICIPATING COUNTRIES

- **Improved monitoring, verification and enforcement** infrastructure including policies, administrative processes and enforcement mechanisms;
- **Increased professional capacity** among regulators and personnel from testing laboratories;
- **Quantitative and qualitative comparisons** of efficient lighting product availability, performance and compliance allowing the evaluation of the costs and benefits of strengthening aspects of monitoring, verification and enforcement infrastructure; and,
- **Increased regional cooperation**, such as sharing information and harmonizing standards, as part of an effort to increase consumer confidence in energy efficient lighting products.

*With the support of the Australian Government, the UNEP-GEF en.lighten initiative will assist Southeast Asia and Pacific countries to strengthen their regional and national efficient lighting monitoring, verification and enforcement infrastructures.*



Australian Government



## ACTIVITIES AND RESOURCES

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- **In-person training sessions and webinars** on market research, lamp testing procedures and laboratory certification and accreditation processes;



- **Performance testing of lamps**, allowing for laboratory inter-comparisons and benchmarking of progress in the transition to efficient lighting;



- **Guidelines and templates** for best practices in monitoring, verification and enforcement infrastructure development, based on countries' specific needs;



- **Support tools** including technical assistance, forecasting tools and publications;

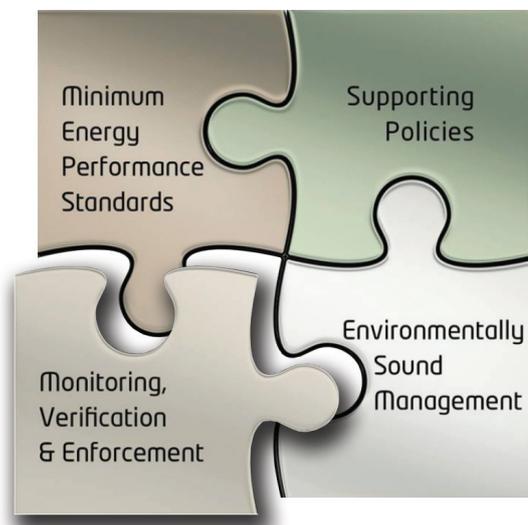


- **Meetings of lites.asia** to facilitate policy maker cooperation in the region and to increase peer-to-peer exchange of knowledge and experiences.

## ABOUT THE EN.LIGHTEN INITIATIVE

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The initiative assists developing countries in their efforts to accelerate the global market transformation to environmentally sustainable lighting technologies, focusing on the phase-out of inefficient incandescent lamps by the end of 2016. According to recent estimates by the United Nations Environment Programme (UNEP), a global transition to energy efficient lighting, on-grid and off-grid, could result in savings of over USD 140 billion and avoid emissions of 580 million tonnes of CO<sub>2</sub> annually.



## THE INTEGRATED POLICY APPROACH

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The en.lighten initiative encourages countries to adopt an integrated policy approach as a means to increase the likelihood of a rapid and successful transition to efficient lighting. Minimum energy performance standards that are implemented with supporting policies and environmentally sound management practices can deliver significant climate change mitigation benefits.

Monitoring, verification and enforcement activities discourage the distribution of poor quality products and are a key component of a sustainable energy efficient lighting programme.

### ***For more information please contact us:***

#### **en.lighten initiative**

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