



# **ENERGY EFFICIENCY POLICIES IN ASEAN REGION**

**A Workshop Sponsored by IPEEC/WEACT and MEMR  
Jakarta, October 18-20 2011**

**Policy Dialogue on Energy Efficiency in ASEAN-Region**

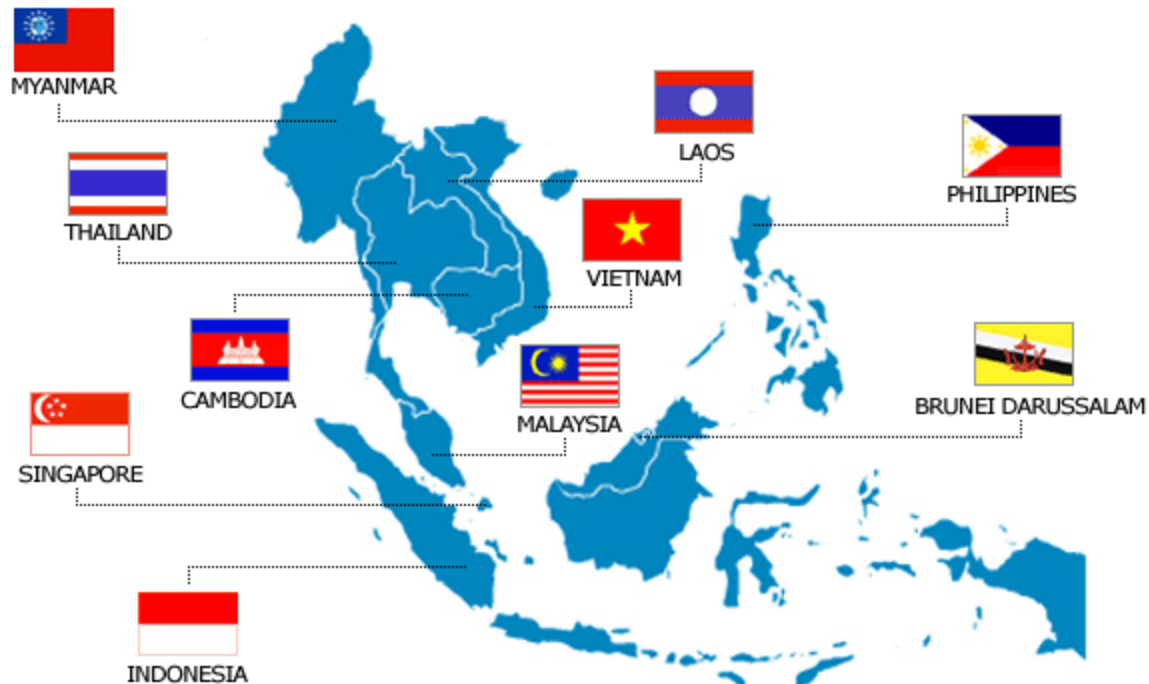


# **A regional knowledge network to foster policies and action for climate technology transfer**

**South East Asia Climate Change Network (SEAN-CC)**

- **Supported by Ministry of Foreign Affairs, Government of Finland**
- **Phase 1 : 2009 – 2011**
- **Phase 2: 2012 -2013 (under consideration)**

# The Southeast Asia Climate Change Network (SEAN-CC)



Working primarily through the National Climate Change Focal Points and **mobilizing other key actors**, the Southeast Asia Climate Change Network (SEAN-CC) – a UNEP initiative funded by the Government of Finland - aims to guide ASEAN countries making sound policy, technology, and investment choices that lead to a reduction in greenhouse gas emissions and potential co-benefits

## A country driven approach

1. Overall priorities jointly identified with CC focal points in bi-annual meetings
2. Transversal activities are also developed building on direct country requests

**SEAN-CC provides support to 10 governments in Southeast Asia to inform and support climate change focal points and other relevant stakeholders to reform policies and implement programmes for renewable energy, energy efficiency and reduced greenhouse gas emissions**

**1**



**Facilitating knowledge generation and sharing**  
through meetings, seminars and conferences and online knowledge sharing platform

**2**



**Providing targeted capacity building**  
through tailored training programmes and workshops

**3** ↙

**Providing sector specific technical assistance and policy advice** for concrete national and regional climate change mitigation actions

# Overview

**Since the network was founded in 2009, SEAN-CC has:**

- Supported National CC Focal Points to be better prepared for **UNFCCC negotiations** and provided capacity building in GHG inventories, national communication and programmatic CDM
- Provided Climate technology training support and promoted south-south cooperation for intraregional climate technology transfer
- Facilitated feasibility studies and market assessments for the **harmonization of standards**, and the development of technology manuals and technical study reports on technologies of particular interest
- Produced a series of regional analyses and reviews, targeted analysis documents and **knowledge sharing platform/website**
- Established **partnerships** with a number of regional institutions and centers of excellence for the promotion of clean and efficient energy technologies
- Supported national initiatives in response to country requests provided that they are transversal and replicable across the region



# Partnerships and Networking

- ASEAN Centre for Energy (ACE)
- Regional Energy and Environment Programme
- Climate change network ( British)
- International Copper Association – Southeast Asia
- Departments of Energy : Philippines, Vietnam
- Establishing sub networks : energy managers, RE institutions, EE institutions, FIs, etc

# Few SEAN-CC Activities

- AEMAS – ASEAN energy manager accreditation scheme
- APQI – Asian Power quality initiative
- Harmonization of standards for ACs and refrigerators in ASEAN
- Institutional mapping studies
- Technical study reports
- Energy efficiency programme for ACs in government buildings, Philippines
- Programmatic CDM activities in Cambodia

## Global Efficient Lighting Partnership Program

*To accelerate the transition to efficient lighting in developing countries by*

Promoting  
efficient  
technologies  
through

Guiding the  
phase-out of  
inefficient  
lamps

Focusing on  
clean  
alternatives to  
fuel-based  
lighting

- Program to be introduced at en.lighten workshop
- Unrivalled opportunity for Asian countries to achieve a coordinated transition to efficient lighting
- Integrated approach for designing policy measures to be discussed
- Incentives and technical support to assist countries in their efforts will be presented



# Lesson Learnt

- National Climate Change focal points are increasingly seeking support to engage their respective countries on a low-carbon and climate resilient development path
- There is an urgent need to strengthen coordination with line ministries and national institutions responsible for implementing the national development goals
- For example, Energy institutions and energy professionals have a key role to play in Climate Change mitigation activities especially in promoting low carbon technologies and implementing EE&C initiatives

***SEAN-CC is strengthening the dialogue, synergies and collaboration between energy institutions / professionals and climate change offices both at the national and the regional levels***

# Lesson Learnt (2)

- A wide range of proven low carbon technologies already exists and can be quickly deployed and would provide important benefits (environmental, economic and social)
- In-country capacity for designing, implementing and monitoring climate technology activities is limited
- Concrete climate technology activities are needed to prove the benefits to decision makers (incl. CC focal points) e.g. stronger emphasis on concrete actions applied to energy intensive sectors of ASEAN countries' economies

***SEAN-CC supports low carbon development through sector oriented capacity building and training, and increasingly supports countries to foster investments for climate technology transfer and deployment (removing institutional barriers and developing bankable proposals)***

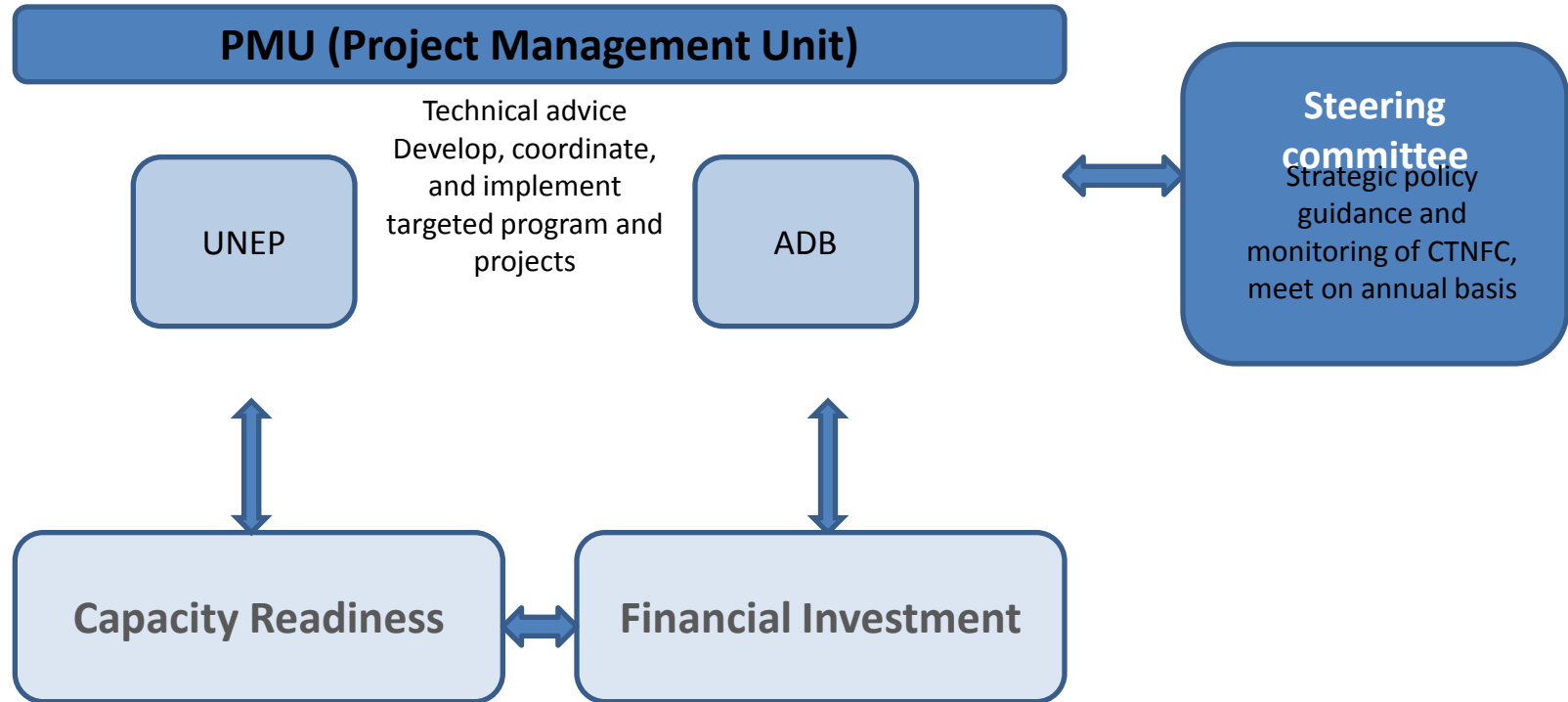
## ***Scaling-up to a Pilot Asia-Pacific Climate Technology Network and Finance Center (1)***

- No technological solution to climate change will materialize without sufficient levels of investment capital
- It is critical to link the upstream enabling technical assistance to finance to foster investments for climate technology transfer
- Investments must support both the development of new, promising technologies, and the large-scale deployment of existing technologies

### **The Pilot Asia-Pacific Climate Technology Network and Finance Center**

A joint UNEP-AsDB proposal aiming at contributing to the COP decision on the TM by testing on a pilot basis a regional CTCN approach for Asia and the Pacific

**Project Objective** : Facilitate investment in EST's through capacity building on EST's, market transformation and investment fostering for climate change mitigation and adaptation actions



- GEF FUNDING FOR 3 YEARS
- 12 million US \$
- Partnership between UNEP and AsDB
- Coverage – Asia and Pacific

## Scaling-up to a Pilot Asia-Pacific Climate Technology Network and Finance Center (2)

### Pilot Asia-Pacific Climate Technology Network and Finance Center

#### Country readiness (lead UNEP)

Supporting governments to adopt the appropriate enabling environments and the remove obstacles for climate technology transfer through:

1. Network development and facilitation,
2. Technical support, policy advice, and
3. Capacity building

#### Access to finance (lead AsDB)

Facilitating investment and mobilizing finance for priority technology investments through:

1. Pilot innovative financing mechanisms (equity investment and technical assistance facility)
2. Catalyzing investments through mainstreaming TT into national investment plans (use public sector funds to leverage private capital)

⇒ **Demonstrate the effectiveness of linking technology and finance mechanisms in catalyzing climate actions**



## Scaling-up to a Pilot Asia-Pacific Climate Technology Network and Finance Center (2)

### Highlights

1. Offers demand-led facilities and services based on country/region-driven and multi-sector processes
2. Integrates national Climate Change focal points as well as other relevant national officials dealing with climate change issues
3. Engages the private sector and scientific community
4. Includes focus on finance to ensure the needed investments actions follow
5. Contributes directly to the development of capacity and capabilities while supporting regional and national activities
6. Lessons and experience from the Project can be drawn upon in replicating the approach in other regions
7. Pilot program, flexible enough to adjust quickly to any decisions that may be eventually made by the COP Parties



# Contact



Visit the SEAN-CC website at

[www.unep.org/climatechange/mitigation/sean-cc](http://www.unep.org/climatechange/mitigation/sean-cc)

Contact the SEAN-CC secretariat

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