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IN ASIA'S FORESTS

# Regional Climate Change Curriculum Development

Regional Training Workshop on  
Climate Change Curriculum Development  
Courtyard by Marriott Hotel • Bangkok • 5-16 August 2013



October 2013

- Module 1: Basic Climate Change
- Module 2: Social & Environmental Soundness
- Module 3: Low Emission Land Use Planning
- Module 4: Carbon Measurement & Monitoring



**WINROCK**  
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**CLIMATE FOCUS**



**THE CENTER FOR  
PEOPLE AND FORESTS**



# Regional Climate Change Curriculum Development (RECCCD)

## ABOUT LEAF

The Lowering Emissions in Asia's Forests (LEAF) is a five year program, engaging regional governments, forestry and climate mitigation specialists and universities in technical capacity building focused on REDD+.

LEAF aims to strengthen capacities of developing countries in Asia to produce meaningful and sustainable reductions in greenhouse gas emissions from the forestry-land use sector.

LEAF is funded by the United States Agency for International Development's (USAID) Regional Development Mission for Asia (RDMA).

## 6 COUNTRIES: 12 UNIVERSITIES

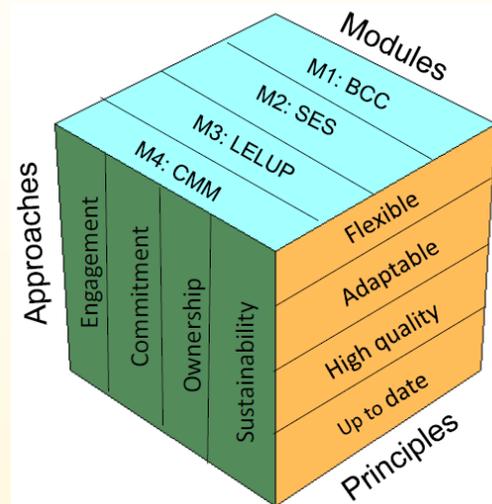
- ☞ Cambodia: 2
- ☞ Laos: 1
- ☞ Malaysia: 2
- ☞ Papua New Guinea (PNG): 2
- ☞ Thailand: 2
- ☞ Vietnam: 3

## Purpose of RECCCD

LEAF contributes to building and institutionalizing technical capacity for economic valuation of forest ecosystem services and monitoring changes in forest carbon stocks at the project and national levels.

LEAF is working with 12 universities across the region to develop curriculum in REDD+ and related climate change fields to prepare qualified experts on climate change for the future.

## Dimensions of RECCCD



## RECCCD Approaches

**Engagement.** Universities are engaged in all steps of the process.

**Commitment.** Sharing of tasks and responsibilities amongst participating universities.

**Ownership.** Universities take ownership of RECCCD process and products.

**Sustainability.** Continuous efforts of adapting and improving RECCCD by participating universities.

## RECCCD Principles

**Flexible.** Flexibility of RECCCD for local adaptation.

**Adaptable.** RECCCD is dynamic to adapt to real context of resource availability.

**High quality.** RECCCD is developed by qualified experts for quality assurance.

**Up to date.** RECCCD is periodically reviewed and updated to changes in the job market.

## 4 MODULES

M1: Basic Climate Change

M2: Social & Environmental Soundness

M3: Low Emission Land Use Planning

M4: Carbon Measurement & Monitoring



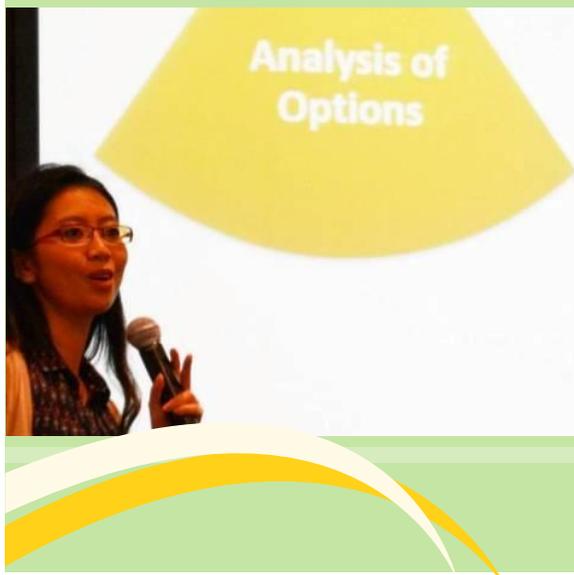
## TARGET GROUPS

- ☞ Undergraduate students
- ☞ Post graduate students
- ☞ Governmental officers
- ☞ NGO practitioners
- ☞ NRM professionals

## TRAINING SCENARIOS

With its flexibility and adaptability, RECCD is tailored to meet the needs of the right target groups:

- ☞ 3 day training course
- ☞ 5 day training course
- ☞ 10 day training course



## MODULE 1: Basic Climate Change (BCC)

*By the end of this training module, learners will be able to:*

- Explain the causes and effects of climate change and the relationship between human activities and climate, with emphasis on forest ecosystems and conservation.
- Assess the impacts of human activities on climate.
- Assess the impacts of climate change on ecosystem services and socio-economic systems.
- Communicate about strategies to mitigate and adapt to climate change to a variety of audiences.

## MODULE 2: Social and Environmental Soundness (SES)

*By the end of this training module, learners will be able to:*

- Explain how SES fits into larger contexts of climate change, climate change mitigation, and climate justice debates.
- Analyze conceptual and theoretical frameworks of SES and how safeguard mechanisms and approaches are used in practice.
- Evaluate social, environmental, and economic costs and benefits, risks and opportunities associated with REDD+ and with other PES or conservation programs and projects.
- Synthesize a range of social, economic, and environmental considerations for application in REDD+ projects and safeguard mechanisms.

## MODULE 3: Low Emission Land Use Planning (LELUP)

*By the end of this training module, learners will be able to:*

- Develop an adaptive management framework for land use planning under uncertain climate patterns and policy regimes.
- Develop approaches for quantifying drivers of historic land use patterns in a changing climate.
- Develop scenario planning and cost-benefit analysis that takes into consideration climate adaptation and mitigation strategies (environmental, social and economic).
- Describe a process that leads to a negotiated agreement.
- Construct a monitoring and evaluation framework for land use planning that is tailored to a changing climate.

## MODULE 4: Carbon Measurement and Monitoring (CMM)

*By the end of this training module, learners will be able to:*

- Identify the roles of forests in climate change and that of international efforts to mitigate climate change .
- Explain forest carbon stocks, the geographic and climatic constraints on forest carbon, and the drivers of change in forest carbon.
- Apply the theoretical issues of and practical methods for measuring and monitoring forest carbon, including statistical approaches, sampling design, and operational protocols.
- Integrate map and field-based measures to generate forest carbon stocks and emissions using an IPCC framework.



## Connecting regional universities to prepare qualified experts in climate change!

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