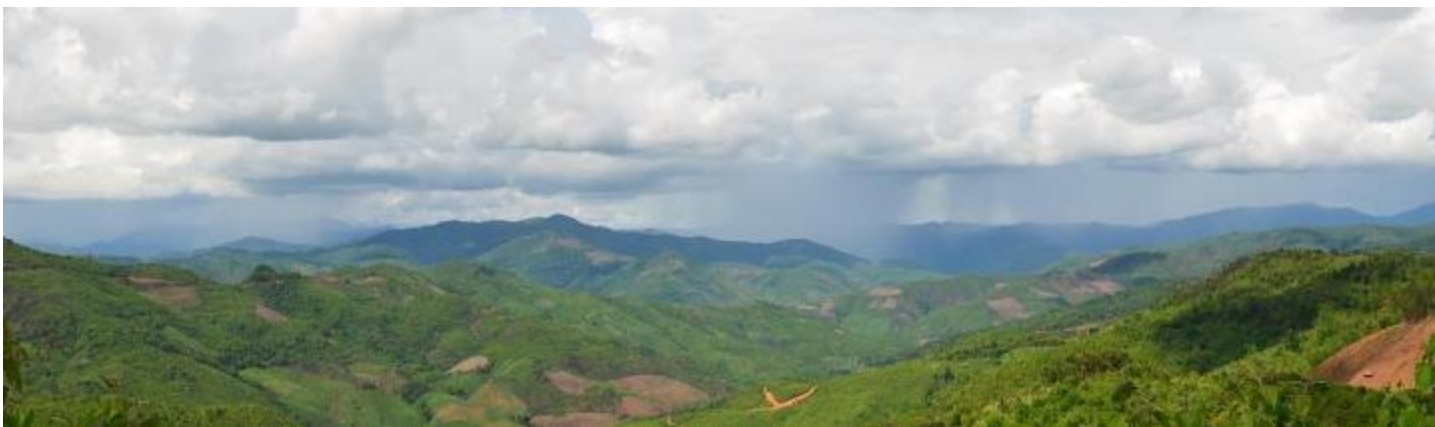




Lessons from USAID LEAF

David Ganz, Former Chief of Party, USAID LEAF
Chief of Party, SERVIR-Mekong (USAID/ NASA)

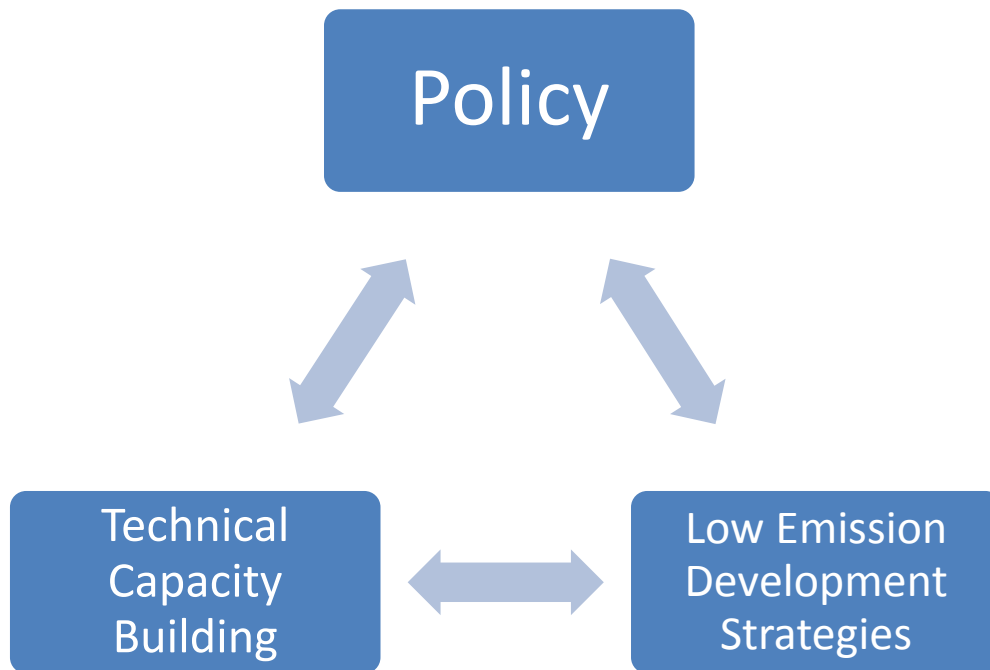


USAID LEAF - Overview

- **USAID Lowering Emissions in Asia's Forests (USAID LEAF)**
- **Donor:** USAID/RDMA
- **Period:** 5 years (2011-2016)
- **Consortium:** Winrock International, SNV, Climate Focus and RECOFTC
- **Ended in April**



USAID LEAF Framework



USAID LEAF approach to LEDS

USAID LEAF monitored impacts using a five step process for designing and implementing forest conservation and forest restoration through ***low emission development strategies (LEDS)***



Lam Dong Province, Vietnam



Key Activities

- SFM with state forest companies
- Agroforestry
- Livelihoods support
- Promotion of high yield crops
- Fire prevention
- Low Emission Land Use Planning

Lam Dong Province, Vietnam

Lam Dong Provincial REDD+ Action Plan (PRAP)

PRAP Objectives:

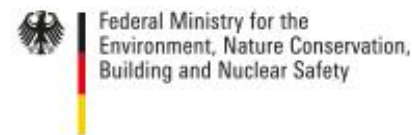
1. Reduce GHG emissions from deforestation and forest degradation by 27%
2. Promote sustainable forest development
3. Preserve biodiversity
4. Improve livelihoods



Lam Dong Province, Vietnam

Key Partnerships

- UN-REDD Phase II
 - Establishment of National REDD+ Fund
 - Implementation of PRAP
 - Site level planning from two villages and to be replicated in communes and forest management boards, forestry companies
- MB-REDD+
 - Safeguards to PRAP
 - Participatory Forest Monitoring
 - Scenario Analysis

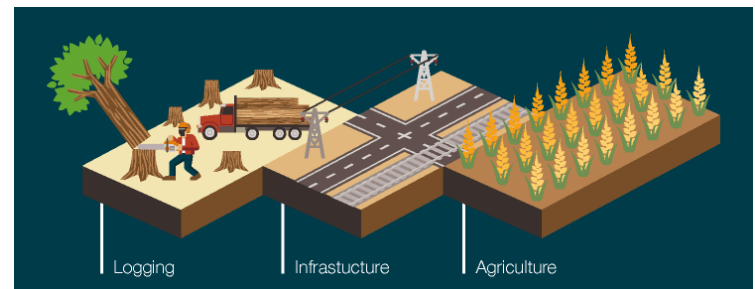
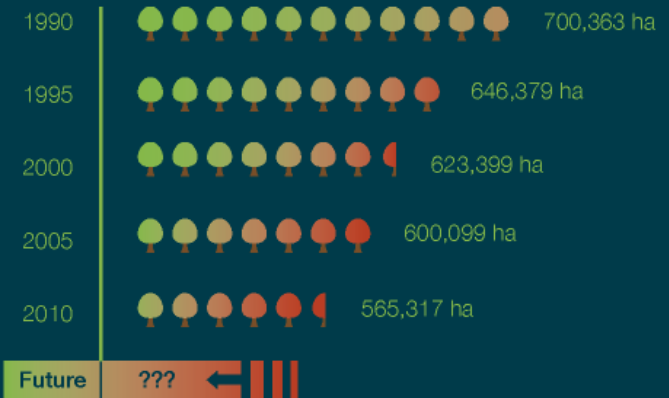


Lam Dong Province, Vietnam



Reduction of total forest land area

Figures from USAID LEAF 2013 Forest Cover Change Assessment



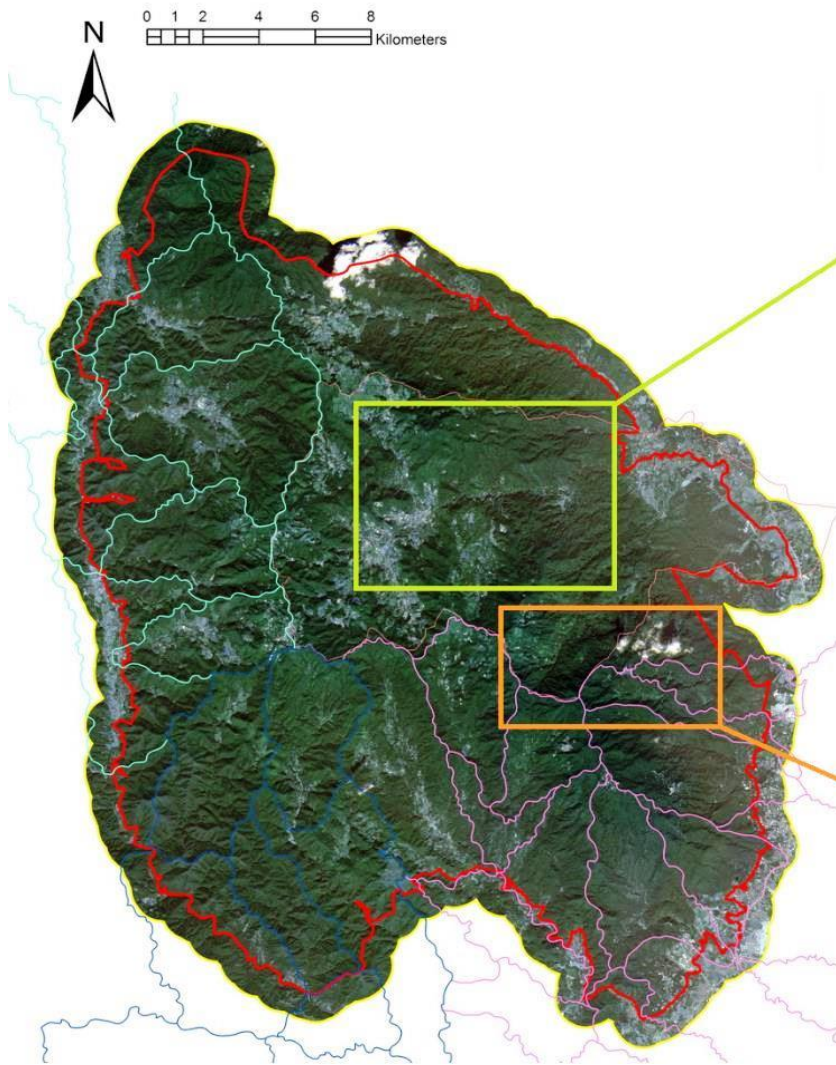
Mae Rim, Chiang Mai, Thailand

First payment for ecosystem services (PES) in Thailand with Tipco Foods PCL and its subsidiary Aura Mineral Water.

Included inputs from government counterparts, local communities and private sector in the design and development of the PES mechanism in the UNESCO Mae Sa-Kog Ma Man and Biosphere Reserve.



Mae Rim, Chiang Mai, Thailand



Mae Rim, Chiang Mai, Thailand

- AURA-PES is a one-to-one scheme, in which Tipco Foods Pcl. AURA is the sole buyer and Phongkhrai community is the sole provider of the ecosystem service.
- Reforestation in a plot of 10 rai in Phongkhrai sub-watershed was the main initial activity.
- A payment of THB 200,000 is transferred directly from the buyer to the provider periodically in the duration of 2 years, starting from June 19, 2015.
- A committee is set up as intermediary to oversee and monitor the implementation process.

Mae Rim, Chiang Mai, Thailand



- New 10 year deal
- Further restoration efforts in watershed
- Linkages with FORRU and long term restoration research
- Sustainability for PES and local livelihoods

Madang Province, Papua New Guinea

Low Emission Land Use Plan

- Consider a 'business-as-usual' pathway and associated emissions from the forest and land use sector
- Assess alternative low emission development scenarios and emission profiles
- Examine institutional mechanisms and possible financing opportunities
- Provide guidance on possible emission reduction policies and mitigation actions



Lessons Learned and Needs

- **Financing** –
Implementers must consider financing during program design
- We must bridge the gap between AFOLU practitioners and financing community
- **Monitoring** – Will LEDS/Green Growth Strategies work and achieve their goals?



North Selangor, Malaysia

- **Financing** –restoration with State and GEC
- **Peatland Measurement-training** with Deltares and GEC on
- **Fire Management Plan**
- **Fire Management Training Materials**
Training of Trainers with USAID Lestari Project and US Forest Service
- **ASEAN Fire Alert System**

<http://aseanfirealert.org>



Regional Climate Change Curriculum



Lessons Learned

- Free resource of teaching materials for university professors, lecturers, teachers and climate change training experts.
- Four modules that offer an excellent introduction of climate concepts, social and environmental issues, land use planning, and carbon measurement.
- E-learning platform that includes presentations, lecturer notes and supporting materials. Hosted by RECOFTC



Climate Change Curriculum Development

Preparing the Next Generation of Climate Change Experts



 **1**
Curriculum

 **4**
Modules

 **3**
Years

 **6**
Countries

 **60**
Universities

 **700**
Professors

 **30,000**
Undergraduates

 **730**
Graduates

Lessons Learned – Sustained Efforts

Training Needs Assessment

- Conducted with universities and partners
- Relevant topics prioritized to develop climate change curriculum
- Four module teams formed
- Module outlines developed

 12 professors
 8 universities
 4 countries: Thailand, Laos, Cambodia & Vietnam

Refining Curriculum

- Active learning exercises created
- Training scenarios designed
- Lesson plans, lecture notes, key messages developed
- Teaching demo conducted
- Feedback provided for module improvement
- Curriculum materials refined

 56 professors & climate change experts
 12 universities
 6 targeted countries

Curriculum Rollout in Vietnam

- Strong leadership by Vietnam Forestry University, Da Lat University and Vinh University
- An inter-disciplinary team of professors established to advance climate change education
- Curriculum initiative supported by USAID Vietnam Forests & Deltas
- Interactive seminars organized in five locations: Hanoi, Da Lat, Vinh, Thanh Hoa and Long An

 245 professors & governmental officers
 13 universities & schools
 5 locations in Vietnam

Curriculum Rollout in Cambodia

- Curriculum initiative led by the Royal University of Phnom Penh and the Royal University of Agriculture
- Committed team of master trainers created to advance climate change education
- Support provided by the US Embassy Phnom Penh
- Interactive seminar delivered to 8 universities

 80 professors, governmental officers & practitioners
 8 universities in Cambodia

Curriculum Rollout in Laos

- Strong leadership by the National University of Laos
- Solid team of master trainers created to advance climate change education
- Support provided by the US Embassy Vientiane
- Interactive seminar delivered for a network of 6 universities

 60 professors & governmental officers in Laos
 6 universities in Laos

Success Stories in Climate Change Education in the Asia-Pacific

- Success stories in advancing climate change in the Asia-Pacific
- Success stories and lessons learned documented and shared
- Key messages sent to university leaders and development actors
- Planning ways forward

 7 countries: Thailand, Vietnam, Laos, Cambodia, Malaysia, Papua New Guinea & Ethiopia
 63 universities & 3 colleges
 700 professors
 30,600 students

Oct 2012
Bangkok

Aug 2013
Bangkok

Jan & May 2014
Bangkok

Aug 2014
Kuala Lumpur

Jun, Aug & Dec 2014
Vietnam

Dec 2014
Bangkok

Jan 2015
Phnom Penh

Feb 2015
Bangkok

Apr 2015
Vientiane

May 2015
Bangkok

Aug 2015
Bangkok

Sept 2015
onward

Materials Development and Curriculum Testing

- Module teams expanded
- Learning objectives defined
- Necessary knowledge, skills and attitudes identified
- Four packages of module materials developed
- Test training on four modules conducted

 60 professors & climate change experts
 12 universities
 6 countries: Thailand, Laos, Cambodia, Vietnam, Malaysia & Papua New Guinea

Training of Trainers for the Asia-Pacific

- Intensive Training of Trainers for the Asia-Pacific conducted
- Four parallel interactive trainings delivered
- Innovative ideas exchanged across four modules
- Series of active learning activities applied

 100 professors & climate change experts
 14 universities
 6 targeted countries plus India

Curriculum Rollout in Thailand

- Curriculum initiative led by three universities: Kasetsart, Chiang Mai and Phayao
- Competent team of inter-disciplinary master trainers established
- Interactive seminar delivered for a network of 16 universities
- Additional support by USAID LEAD and RECOFTC

 50 professors & climate change experts
 16 universities in Thailand

Regional Training on LELUP Role Plays

- A series of dynamic trainings on LELUP role plays conducted
- Realistic set of common circumstances and challenges in a complex context of land use planning created and tested
- Strategies on how to teach LELUP role plays designed

 27 professors & experts
 12 universities
 6 targeted countries

Advanced Training on Climate Change Curriculum in Thailand

- Intensive Training of Trainers for the Asia-Pacific conducted
- Four parallel interactive trainings delivered
- Innovative ideas exchanged across four modules
- Series of active learning activities applied

 40 professors & climate change experts
 15 universities in Thailand

Next Steps

- E-learning platform developed
- Curriculum materials including presentations, lecture notes and reference materials published online at: leafasia.org/curriculum/courses.recoftc.org
- Curriculum promoted at USAID/Washington's climateinlinks.org website

 Worldwide outreach

A flagship NASA-USAID partnership to improve environmental management and resilience to climate change by strengthening the capacity of governments and other key stakeholders to integrate Earth observation information and geospatial technologies into development decision-making

SCO NASA

Mesoamerica

West Africa

East Africa

HKH

Lower Mekong

SERVIR 

Operational Arrangement

