

**Update on  
(1) the CGE and  
(2) the regional capacity-building  
project on GHG inventories in  
Southeast Asia**

**Expert Meeting  
Bonn, 25-26 May 2010**

**Dominique Revet**  
UNFCCC

Financial and Technical Support (FTS) Programme  
DRevet@unfccc.int



# Status of work of the CGE

- The (**CGE**) Consultative Group of Experts on national communications from Parties not included in Annex I to the Convention, reconstituted by **decision 5/CP.15** for three years from 2010 - 2012, held its first meeting under new mandate from 29 to 31 March 2010 in Bonn.
- **Draft work programme** of the CGE for 2010 - 2012 will be contained in the CGE report to the **SBI 32** for its consideration.

*The CGE intends, in the draft work programme for 2010 - 2012:*

- To collect and analyze information on **difficulties** faced by NAI Parties in preparing national communications, in using the **guidelines**, in **sustaining national communication process** through surveys to Parties, multilateral and bilateral agencies, as well as analysis of submitted second national communications (starting from June 2010).



# Status of work of the CGE

*The CGE intends, in the draft work programme for 2010 – 2012 to:*

- **Provide practical technical advice and support** to NAI Parties, including through workshops, hands-on training and/or training of trainers based on the results of the analysis (beginning in 2011).
- **Prepare technical papers and reports** containing recommendations to the SBI on the provision of technical advice and support to NAI Parties, as well as on the future revision of the guidelines (in 2010).
- **Make available** to Parties, **upon request, information** on steps regarding integration of climate change consideration, as well as information on existing activities and programmes of financial and technical assistance.

For more information: **FCCC/SBI/2010/INF.2** (Progress report on the work of the Consultative Group of Experts on National Communications from Parties not included in Annex I to the Convention. Note by the secretariat )



**Overview of the**  
**“Regional Capacity Building Project for**  
**Sustainable National Greenhouse Gas**  
**Inventory Management Systems in**  
**Southeast Asia**  
**(SEA GHG Project)”**



# Project Genesis

- In **2006 / 2007**, the secretariat received **requests for assistance** on GHG inventories from eight non-Annex I Parties (**Cambodia, Indonesia, Lao, Malaysia, Philippines, Singapore, Thailand, Vietnam, and in 2010, Papua New Guinea**).
- Based on the **general mandate** included in **Article 8, paragraph 2 (c)** of the Convention, as recalled in **Decision 17/CP.8**, the UNFCCC secretariat will **facilitate assistance** to non-Annex I Parties.
- The requests received were **to strengthen the capacity** of SEA countries to improve the quality of their national GHG inventories for the development of sustainable inventory management systems.



# Collaborative Approach

- **November 2006 – San José (Costa Rica), US-EPA** regional workshop on **CAALU**
  - First exchange of views on possible ways of **addressing the needs expressed** by NAI Parties from Southeast Asia. **UNFCCC secretariat to coordinate** a pilot project with supplementary funding.
- Recruitment of a **Regional Coordinator** (former IPCC staff)
- Preparation of **Scoping Meeting** (country-driven and bottom-up approach)



# Collaborative Approach

- **June 2007 – Manila (Philippines)**, 3-Day Scoping Meeting (8 SEA countries + IPCC, IRRI, US-EPA, WGIA (Japan), UNFCCC)
- First draft project concept produced and further refined during and after **WGIA 5 (September 2007 - Kuala Lumpur, Malaysia)**.
- **April 2008 – Singapore**, Workshop officially launched the SEA GHG Project (EPA Templates, ALU workbooks)



# SEA GHG Project

➤ **Objective:** To strengthen the capacity of SEA countries to improve the quality of their national GHG inventory for the development of sustainable inventory management systems

➤ **Components of the project:**

**Component 1:** Improving National Inventory Management Systems

**Component 2:** Comprehensive multi-tier GHG software for Agriculture and LULUCF (ALU software)

**Component 3:** Targeted improvements to LULUCF sector (Forest land)

**Component 4:** Targeted improvements to Agriculture sector

**Component 5:** Targeted improvements to Energy sector





# Component 1 - Use of Template

## Approach to support National GHG Inventory Management Capacity-Building

Template 1 - Key category analysis (also software)

1

Template 2 - Institutional arrangements for national system

2

Template 3 - Documentation and source-by-source description (SBS)

3

Template 4 - Quality Assurance and Quality Control (QA/QC) Measures

4

Template 5 - Inventory Archive System

5

Template 6 - National Inventory Improvement Plan (NIIP)

6



# Component 2 - ALU Software

<http://www.nrel.colostate.edu/projects/ghgtool/>

ALU Tool (Version 2.0.2.2)

File Help

**ALU** Agriculture and Land Use National Greenhouse Gas Inventory Software

Natural Resource Ecology Laboratory Environmental Protection Agency Colorado State University UAS

**Current User and Database**

Current User: Leandro  
Add / Change User

Current Database: Philippines  
Create New / Change Database

**Available Sessions by Source Category:**

Source Category:  
Select A Source Category

Subsource Category:  
Select A Source Category Above

Reset

**Current Sessions:**

Sessions
Select a Source & Subsource above to display Sessions.

**Data Management Utilities**

Session Status Session & File Management Database Management

**Module I: Specify Activity Data**

Primary Data Specification

- Land Use and Management
- Livestock
- N Fertilizer
- Liming
- Sewage Sludge Amendments

Select

QA/QC Primary Data

Secondary Data Specification

- Crop Residue Management
- Livestock Management
- Rice Management
- Savanna/Grassland Burning
- Biomass Carbon Loss

Select

QA/QC Secondary Data

**Module II: Specify Emission/Stock Change Factors**

- Enteric Methane
- Manure Methane
- Manure Nitrous Oxide
- Biomass Burning Non-CO2 GHG
- Soil Nitrous Oxide
- Rice Methane
- Biomass C Stocks
- Soil C Stocks

Select

QA/QC Emission/Stock Change Factors

**Module III: Inventory Calculations QA/QC**

- Enteric Methane
- Manure Methane
- Manure Nitrous Oxide
- Biomass Burning Non-CO2 GHG
- Soil Nitrous Oxide
- Rice Methane
- Biomass C Stocks
- Soil C Stocks

Select

Create Emissions Report

Quit Application

# Milestones

- **June 2007, Manila, Philippines; Scoping Meeting**  
Introduced to the GHG Management Templates (Component 1)
- **April 2008, Singapore: Kick-off Workshop**  
Introduced to ALU software and ALU Workbook, including a workshop on how to fill in primary and secondary data (manual distributed) (Component 2)
- **July 2008, Tsukuba, Japan: Short Follow-up meeting**  
Reported on the progress of the use of Templates and ALU Workbooks
- **May 2009, Seam Reap, Cambodia: Regional Training on ALU Software**  
Trained on how to accomplish the ALU Workbooks in preparation for the in-country training
- **July 2009, Seoul, South Korea: Short Follow-up meeting**  
Discussed status of ALU Workbook preparation and the schedules of ALU in-country trainings for SEA countries
- **October and November 2009, Philippines and Thailand In-Country Training Workshops on ALU Software**  
Conducted hands-on training on the use of ALU software
- **February 2010, Vietnam and Cambodia In-Country Training Workshops on ALU Software**  
conducted hands-on training on the use of ALU software
- **February 2010, PNG – Meeting for the country to join the Project**
- **April 2010, Malaysia and Indonesia In-Country Training Workshops on ALU Software**  
conducted hands-on training on the use of ALU software



# Catalytic Role of the Secretariat

- The UNFCCC secretariat plays a **catalytic role** in:
  - Addressing non-Annex I Parties' **requests for assistance**
  - Coordinating** with relevant organizations to avoid duplication of efforts, maximize efficiency and minimize costs
  - Raising supplementary funding** (for this project: USA, Japan, EU)
  - **Implementing** the activities (regional coordination, MoU for workshops, logistics, etc.)



# Catalytic Role of the Secretariat

- Lessons learned from this pilot initiative will undoubtedly facilitate further assistance (potential replication) to non-Annex I Parties in other regions (Africa, etc.) as moving to **tier 2** methods is a real **challenge** for most countries.
- We stand ready to facilitate assistance to Parties *as needed*, and *to the extent possible*.

**Thank you!**

