UNFCCC Capacity Building Activities on National Greenhouse Gas Inventories of non-Annex I Parties

Mr. Dominique Revet (DRevet@unfccc.int)
Programme Officer





UNFCCC secretariat, Financial and Technical Support (FTS) Programme



Coalition for Rainforest Nations





















- 2. Framework of operation
- 3. Lessons learned
- 4. Immediate future







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1. Approach to Capacity Building







How it all started...

- In 2006 / 2007, the secretariat received requests for assistance on GHG inventories from 8 non-Annex I Parties (Cambodia, Indonesia, Lao, Malaysia, Philippines, Singapore, Thailand, Vietnam).
- Based on 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.



A Collaborative Approach

- Nov. 2006 San José (Costa Rica), US-EPA regional workshop on CAALU.
 First exchange of views on possible ways to address the needs expressed by NAI Parties from Southeast Asia. UNFCCC secretariat to coordinate a pilot project initiated with supplementary budget from USA to be reallocated to that effect.
- Recruitment of a Regional Coordinator (former IPCC staff).
- Preparation of Scoping Meeting (country-driven and bottom-up approach)
- June 2007 Manila (Philippines), 3-Day Scoping Meeting (8 SEA countries + IPCC, IRRI, US-EPA, WGIA, UNFCCC).
- First draft project concept produced and further refined during and after WGIA
 5 (September 2007 Kuala Lumpur, Malaysia).
- April 2008 Singapore, Workshop to officially launch the SEA GHG Project (EPA Templates, ALU workbooks).



The 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 from various Annex I Parties
- Coordinating the implementation of activities (regional project document, recruitment of regional coordinator, MoU for workshops, logistics, etc.)
- Lessons learned from this pilot initiative will facilitate further assistance (potential replication) to non-Annex I Parties
- We stand ready to facilitate assistance to Parties as needed... and to the extent our own capacities allow us to.



2. Framework of operation

Decision 17/CP.8

Decision 17/CP.8

Guidelines for the preparation of national communications from Parties not included in Annex I to the Convention

The Conference of the Parties,

Recalling, in particular, Article 4, paragraphs 1, 3 and 7, Article 10, paragraph 2(a) and Article 12, paragraphs 1, 5 and 7, of the Convention,

Recalling also is decisions on communications from Parties not included in Annex I to the Convertion (non-Annex I Parties) and, in particular, its decisions 10/CP-2, 2/CP-4, 12/CP-4, 8/CP-5, 31/CP-7 and 32/CP-7.

Recalling further that, by its decision 8°CP.5, it had initiated a process of reviewing the guidelines for the preparation of national communications from non-Annex I Parties, with the aim of improving them,

Having in wind that, at its seventh session, it had decided to continue the process of reviewing the guidelines for the propuration of national communications from non-Arrive I Panies, with a view to adopting them at its eighth session.

Achsowledging that the Consultative Group of Experts on National Communications from Parties of included in Armes. It to the Convention has made important contributions to the revision of the guidelines for the preparation of national communications from non-Amer. I Parties,

Recognizing the important role of the Comultative Group of Experts on National Communications from Parties not included in America 10 to the Corresponding, in fediciating technical advice and support for the preparation of second and, where appropriate, third national communications from non-Annex I Parties, pursuant to decision SSCP 8.

Davidor

Decision 32/CP 7

(a) That Parties not included in Amore Its the Convertion (non-Amore I Parties) should use the guidelines continued in the must cot this decision for the properation of second and, where appropriate, that national communications and, where appropriate, initial national contaminations, except where Parties have initiated the process of preparing second uniteral communications and received finding under the expendited procedures or on an agreed tild cost basis part to the approval of the guidelines arracted to this decision.

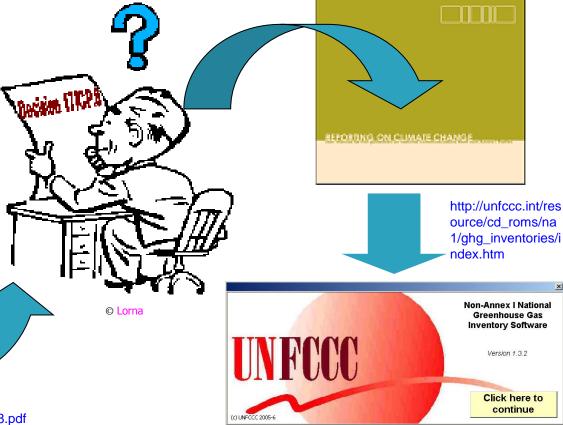
 (b) That, in using these guidelines, non-Annex I Parties should take into account their development priorities, objectives and national circumstances;

(c) That these guidelines should be used to provide guidance to an operating entity of the francial mechanism for funding the preparation of national communications from non-Arnex I Parties;

(d) That the guidelines contained in the annex to this decision, together with the guidance to an opening crity of the financial mechanism provided in decision xxxv(P,8, should be used for the preparation of second and, where appropriate, third national communications and, where appropriate, initial national communications;

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http://unfccc.int/files/essential_background/application/pdf/userman_nc.pdf

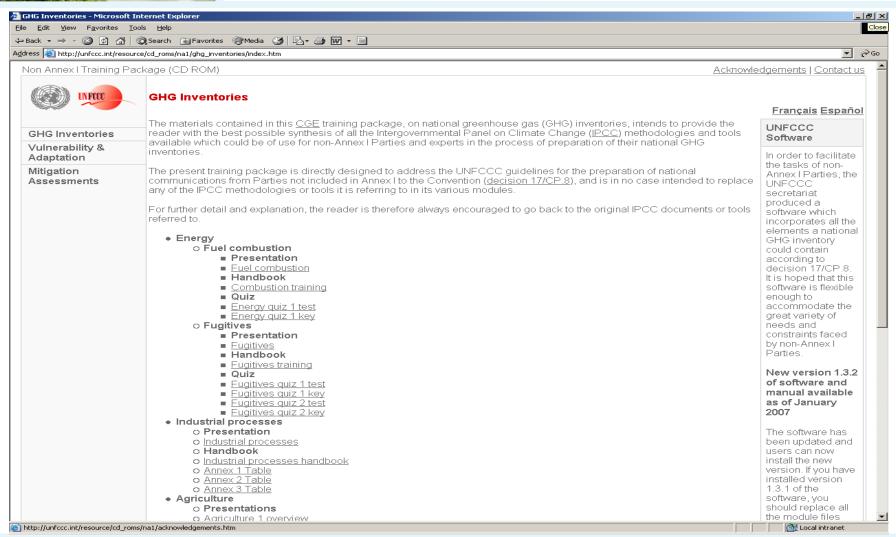


http://unfccc.int/files/national_reports/nonannex i natcom/submitted natcom/application/pdf/17 cp.8.pdf



CGE Training materials

http://unfccc.int/resource/cd_roms/na1/ghg_inventories/index.htm



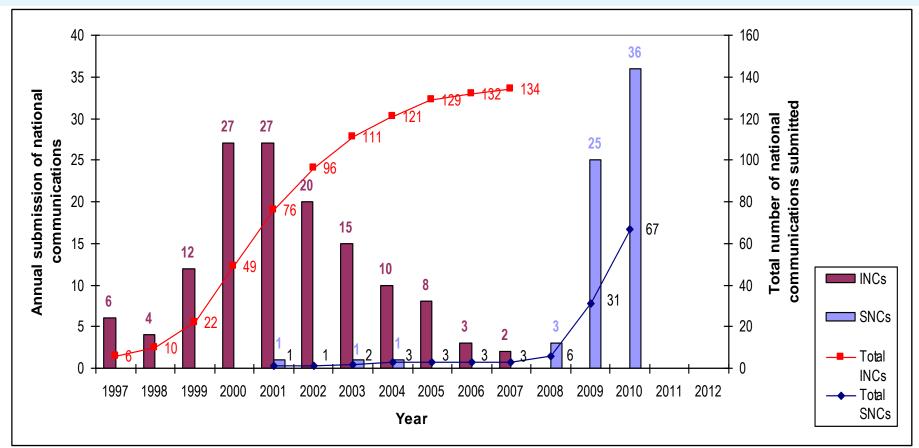


Decision 8/CP.11

- Invites NAIP to prepare project proposals, even in advance of substantially completing their previous NCs, in order to avoid a lack of continuity in project financing
- Decides that NAIP should apply for the financing of their subsequent NCs at any time between 3 to 5 years of the initial disbursement of funds for the actual preparation of their previous NCs
- Shall make all efforts to submit their 2nd NC (or when appropriate 3rd) within 4 years of the disbursement of financial resources
- May use an extension of up to 1 year (after having informed the secretariat), but this shall not imply additional financial resources



Submission of national communications



Source: UNFCCC/SBI/2007/10/Add.1

Oct. 2004 CGE GHG Training for LAC (Panama City)
Feb. 2005 CGE GHG Training for Asia (Shanghai)

Sep. 2006 CGE GHG Training for Africa (Pretoria)



The importance of national GHG inventories

- National communications are the only commitment of non-Annex I Parties, and GHG inventories are a key component
- Essential to understand the reality of emissions/uptake and of their evolution over time
- Prerequisite to the design of mitigation policies and/or measures
- An opportunity to develop projects
- At the centre of negotiations on the **future** of the convention
- Most likely to be reported more frequently
- Clear need for a system to support the continuous development and improvement of GHG inventories



3. Lessons learned

 The Southeast Asia project work plan included specific objectives to strengthen the capacity of SEA countries to improve the quality of their national GHG inventory for the development of sustainable inventory management systems.

To strengthen the **institutional arrangement**, its functions, and operations of managing national GHG inventories

To enhance **technical capacity** of designated personnel in each sector (special attention to Agriculture and LULUCF)

To improve **national methodologies**, **AD** and **EF** through regional networking

To support the preparation of inventory chapter of SNC and subsequent NCs to UNFCCC

To develop **sustainable inventory management systems** in SEA



Two ongoing projects

- Regional Capacity Building for Sustainable National Greenhouse Gas Inventory Management Systems in Southeast Asia
 - Phase 1 (2008-2010) Cambodia, Indonesia, Lao, Malaysia, Papua New Guinea, Philippines, Thailand, and Vietnam
 - Phase 2(2011-2012) Cambodia, Indonesia, Malaysia, Papua New Guinea, Philippines, Thailand, and Vietnam
- Regional Capacity Building for Sustainable National Greenhouse Gas Inventory Management Systems in Eastern and Southern Africa
 - 2011-2013 Botswana, Malawi, Mauritius, Namibia, Rwanda, South Africa, Tanzania, and Zambia



The Project's Components

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





SEA Regional GHG Inventory Project: Milestones

June 2007	Scoping Meeting - Introduced Tools - Informed of existing regional networks and resources (WGIA, IRRI)
Oct. 2007	Distribution of project work plan
Oct. 2007 - April 2008	Countries review work plan submit endorsement letters
April 2008	Kick-off meeting – Singapore
May 2009	ALU introduction – Siem Reap
Oct. 2009 - July 2010	ALU in-country trainings + Review of National Systems Tools
	Additional support USAID
February 2010	Additional support USAID Papua New Guinea joins the project



ALU in-country Training Workshops

2009

2010

PHILIPPINES

(20-23 October 2009 Astoria Plaza Hotel, Manila, Philippines)

VIET NAM

(02-05 February 2010, Hanoi Horison Hotel, 40 Cat Linh street, Hanoi, Viet Nam)

MALAYSIA

(19-22 April 2010, Prince Hotel, Kuala Lumpur, Malaysia))

THAILAND

(16-19 November 2009, Evason Hua Hin Resort & Six Senses Spa, Prachuab, Khiri Khan, Thailand)

CAMBODIA

(9-12 February 2010, Preah Sihanouk Province, Cambodia; follow up training on 7-9 July 2010)

INDONESIA

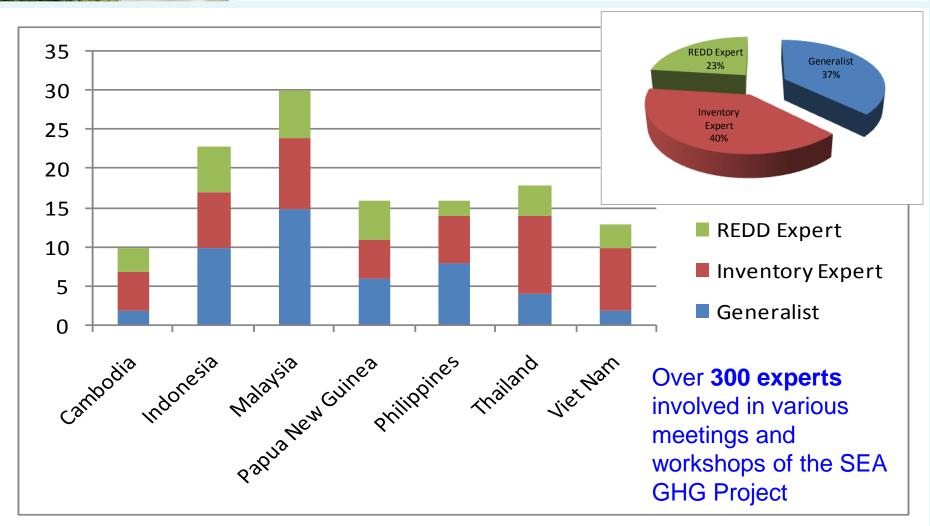
(26-29 April 2010 Bogor, Indonesia)

PAPUA NEW GUINEA

(20-23 July 2010, Port Moresby, Papua New Guinea)



Number of Experts Trained for ALU Software, by Expertise





Lessons learned (1)

- US-EPA Template Workbook for National GHG Inventory:
 - Useful tool to implement the IPCC Good Practice Guidance for improving:
 - ✓ Transparency
 - ✓ Accuracy
 - ✓ Completeness
 - ✓ Consistency
 - ✓ Comparability
 - Effective tool to improve institutional memory
 - Useful materials in reviewing data and assumptions to inventory process
 - Good reference materials in drafting GHG inventory reports



Lessons learned (2)

ALU Software and Workbook:

- Useful tool to better understand and implement the IPCC Guidelines and Good Practice Guidance for the Agriculture and LUCF sectors (complicated sectors)
- A significant improvement of the UNFCCC Software which allows moving to Tier 2 approach
- Allows to manage data more effectively
- Facilitates quick access to IPCC default values and allows assigning of country-specific EF
- Good QA/QC component which facilitates the review of data and assumptions
- A useful tool for GHG inventory in REDD-related activities
- Allows to evaluate "what if questions" (e.g. mitigation options)
- Allows flexibility in generating reports even using the UNFCCC format



Challenges, barriers, and opportunities (1)

US-EPA Template Workbook:

- Need to dedicate time and efforts to accomplish the 6 template workbook
- Some data and information may not be readily available; additional efforts are required
- Additional hands-on training (with examples)
 maybe required to fully appreciate the
 importance of the 6 templates



Challenges, barriers, and opportunities (2)

ALU Software and Workbook:

- Completing the ALU Workbook's primary and secondary data elements is a big challenge:
 - ✓ These are the IPCC GL and GPG data requirements
 - ✓ Completed ALU Workbooks facilitate inputting of data into ALU Software
- Need to dedicate time and efforts to gather data requirements
- Team work is needed since it is a multidisciplinary task



Challenges, barriers, and opportunities (3)

- There are opportunities in using ALU Software and Templates in SEA countries key categories:
 - REDD
 - Forest Management
 - Rice cultivation
 - Livestock
- More exposures to GHG inventory tools, more chances of having a "sustainable inventory management" in the country, so experts can come and go; but inventory continues and meets needs of policymakers



4. Immediate future

- Overall goal is to help participating countries develop a complete and solid Tier 1 or Tier 2 inventory
 - Assist in process of completing a well documented TACCC inventory (IPCC GPG-Transparent, Accurate, Consistent, Complete, Comparable)
 - Provides a solid foundation to build on for the future
- Coordinating with other efforts and assistance projects (donors, international organizations)
 - WGIA, and JICA (Vietnam and Indonesia)
 - GIZ (Mexico and Indonesia)
- Obtaining and processing satellite imagery in 2011 for all countries from the two regional projects (at least for 1990, 1995, 2000, 2005)



Moving forward: Guiding Principles

- 1. The process of producing a complete, **high-quality and well documented GHG inventory** forms the foundation for our assistance under this project
- We understand that it's not good enough to explain or "train" experts on methods and data requirements—must "learn by doing"
- **3. Activity data** is key—must work with each country, as requested, to help them overcome barriers with AD collection
- 4. Each country is unique—**flexibility** is important
- 5. Dedicated Regional Project Coordinator to oversee the day-to-day activities is essential—**follow up** is needed
- A sustained, long-term effort is necessary for success (e.g. moving from Phase I to Phase II)
- 7. These principles have been followed for the development of the **Eastern and Southern Africa** project, also targeting the Agriculture and LULUCF sectors (**Kick-off workshop, 7-9 March 2011, Mauritius**)



Thank you for your attention!

For more Information, please contact:

Mr Dominique REVET

Programme Officer
United Nations - Climate Change Secretariat (UNFCCC)





Financial and Technical Support (FTS) Programme

Technical Support for Developing Countries (TSDC) Sub-Programme

Support to National Communications (SNC) and Greenhouse Gas Inventories (GHG) Unit

Martin Luther King Strasse 8

P.O. Box 260 124, D-53153 Bonn, Germany

Tel (Direct): +49 228 815 1334, Room: A-221

Fax: +49 228 815 1599, e-mail: **DRevet@unfccc.int**, http://www.unfccc.int