# The SEA GHG Project and its Relevant Activities to Support BUR1 Preparation

### WGIA 11<sup>th</sup> Meeting (5 - 7 July 2013, Tsukuba, Japan)

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**United Nations** Framework Convention on Climate Change



## **Durban Decision on BUR (Decision 2/CP.17)**

Para 41 (a): Non-Annex I Parties, consistent with their capabilities and level of support provided for reporting, should submit:

✓ First Biennial Update Report (BUR1) by December 2014, including a GHG inventory no less than 4 years old

Annex III: Scope of BUR1, information on:

- ✓ national circumstances and institutional arrangements relevant to the preparation of the NC;
- national inventory of anthropogenic emissions by sources and removal by sinks
- mitigation actions and their effects, including associated methodologies and assumptions;
- constraints and gaps, and related financial, technical and capacity needs, including a description of support needed and received;
- level of support received to enable the preparation and submission of biennial update reports;
- ✓ domestic measurement reporting and verification (MRV)

# **Status of BUR1 Preparation**

| SEA Participating<br>Countries | BUR1?    | Status of Project Activities (as of June 2013)  |  |
|--------------------------------|----------|---|--|
| Cambodia                       | ?        | Project Cooperation Agreement (PCA) for the<br>preparation of TNC sent to Executing Agency for<br>signature |  |
| Malaysia                       | <b>~</b> | TNC project proposal with BUR component submitted to GEF for review and approval                            |  |
| Papua New Guinea               | ✔ *      | Still in the process of finalizing SNC; expressed interest to develop BUR1                                  |  |
| Philippines                    | <b>v</b> | TNC project proposal with BUR component under preparation   |  |
| Thailand                       | <b>v</b> | TNC project proposal with BUR component under preparation   |  |
| Viet Nam                       | •        | Preparation of a MSP CEO Approval document for TNC and BUR underway   |  |

Source: FCCC/SBI/2013/INF.7; \* feedback from Project Focal Point

## What SEA Project is doing with participating countries?

- Help countries improve the institutional capacity of a country to establish a sustainable inventory system
  - Using template workbook for National GHG Inventory
- Help countries to develop a complete Tier 1 or Tier 2 for Key Sectors (Agriculture/LULUCF and Energy Inventory)
  - Providing technical assistance on methods, activity data collection and documentation
  - Completing a well-documented TACCC inventory using template and software



#### **Template Workbook for National GHG Inventory**

Key elements of the IPCC and UNFCCC guidance were condensed into an easy-to-use National Template Workbook



•Based on inventory systems developed in concert with other countries

- •Each template becomes a chapter of the National Inventory System Report
- •Each template provides documentation of critical building blocks

#### **The 6 National Inventory Templates**



#### **The National Inventory Templates**



#### **GHG** Inventory Tools

| Agriculture and<br>Land Use          | Agriculture              | Basis                  | 1996 GL, GPG 2000, GPG 2003  |
|--------------------------------------|--------------------------|------------------------|--|
| Greenhouse Gas<br>Inventory Software | and Land                 | Sector                 | Agriculture, LULUCF  |
| Program (ALU)                        | Use (ALU)                | Tier                   | 1, 2   |
|                                      | Software and<br>Workbook | Additional<br>Features | <ul> <li>✓ Mitigation Analysis</li> <li>✓ Uncertainty Analysis</li> <li>✓ Biomass Gain-Loss Method</li> <li>✓ Stock Difference Method</li> </ul> |
| ۲                                    |                          | Platform               | Stand alone  |
| Colorado<br>State                    | ALU Workbook             |                        |  |

#### **ALU Questionnaires for:**

- ✓ Land use, climate, and soil data
- ✓ Forest management
- Agriculture management
- ✓ Livestock
- N Fertilizer and liming
- Sewage and sludge

#### Agriculture and Land Use Greenhouse Gas Inventory Data Availability Assessment

This spreadsheet assesses existing data availability for the activity data needed to calculate emissions from agriculture and land use sources using IPCC Tier 1 or Tier 2 methods. The data assessment is organized according to the structure employed by the ALU tool; however, the assessment includes an upfront diagram mapping the relationship between data elements in ALU and IPCC source categories.

To fill out this assessment, click on each of the data elements listed below and fill out the responses required on each spreadsheet component. The Additional Information and Help sections contain useful information to help you as you fill out the assessment.

Data Assessment Categories

Land Use, Climate, and Soil Data

Additional Information and Help

Mapping the ALU Data Elements to the IPCC Source Categories
Help Section

#### The ALU Software



#### **SEA GHG Project Accomplishments**

- 8 Planning and Technical Meetings in 2011 (including technical consultations)
  - 7 Follow Up Technical Workshops in 2012 (including technical consultations)
  - Several Technical Working Sessions /Consultations/Small Meetings) in 2013:
    - ✓ Malaysia (February )
    - ✓ Cambodia (February)
    - ✓ Viet Nam (March)
    - ✓ Papua New Guinea (May )
    - Thailand (January, June)
    - Philippines (February, April, June)





• Template Workbook for National GHG Inventory are useful:

✓ institutional arrangement (IA) template facilitates clear definition roles and responsibilities of all stakeholders for data sharing, management , QA/QC, compilation and reporting

- Method and data documentation (MDD) template facilitates transparency in documentation and standardizes outputs for review and archiving
- QA/QC template facilitates the development of QA/QC plans and procedures
- Archiving template facilitates the development of archiving plans and procedures
- ✓ Key Category Analysis (KCA) template and Software provides better understanding of what KCA is, and facilitates quantification and analysis of key categories

 National Inventory Improvement (NIIP) template summarizes all potential areas for improvements of future inventories

- ALU Software and Workbook is useful:
  - ✓ good tool to implement the IPCC methodology in a TACCC manner
  - ✓ facilitates representation of land use in a systematic and consistent way (even for exporting GIS maps/text files)
  - ✓ Good data management component and documentation for data sharing and review (QA/QC);
  - Mitigation Analysis Component facilitates development of mitigation strategies for AFOLU sector.

### Gaps, Barriers, Challenges and Opportunities

- Institutional Arrangements for NC3 and BUR1 are still being established:
  - from "project-based approach" to institution-based approach"; takes time and requires higher level coordination (e.g. request for nomination, awareness raising, executive order, etc...)
  - more capacity building efforts at national and local levels (for data providers or compilers)
- Data gaps to implement Tier 2 methods
  - Tier 2 methods require more data and tools to facilitate data collection, calculations, verification, and reporting
- Limited resources to begin with GHG Inventory for NC3 and BUR1
  - No permanent staff/consultants to continue inventory activities
  - No budget allocation from existing funds; (of low priority)
- Quick turn-over of people
  - Trained people were assigned to new position or found a new job
  - Data went with the trained people; no continuity and loss of institutional memory

- To continue organizing technical working sessions with participating countries, in small teams or working groups, with focus on building institutional capacity and support for data improvements, in support of developing NC3 and BUR1 in a TACCC manner...
  - ✓ Mid-term Review Workshop in October 2013 in Manila...

# Thank you!