Mutual Learning on LUCF Sector
by
Lao PDR and Japan

Lao PDR: Mr. Immala Inthaboualy, Mr. Mone Nouansyvong,

Ms. Chanthamany Siliya

Japan (Secretariat): Dr. Junko AKAGI, Mr. Akihiro TAMAI, Mr. Atsushi SATO

Objectives and Approach

- Objectives
  - To help inventory compilers in Asian countries improve their national GHG inventories by providing them with an opportunity to mutually learn details of methods and data actually used by other countries.
  - To foster and strengthen cooperative relationship among experts who are actually doing technical work for inventory compilation.

- Approach
  - Active and voluntary participation of experts who actually produced the inventories
  - Two-way communication of questions and answers, not one-way communication like examiner vs. examinee
  - Not to criticize or audit each other's inventory.
  - Not like the UNFCCC review of Annex I Parties' GHG inventories

Expected Outcomes

- We will identify the following elements in inventory for each other:
  - Issues and solutions
  - Outstanding issues
  - Good practice
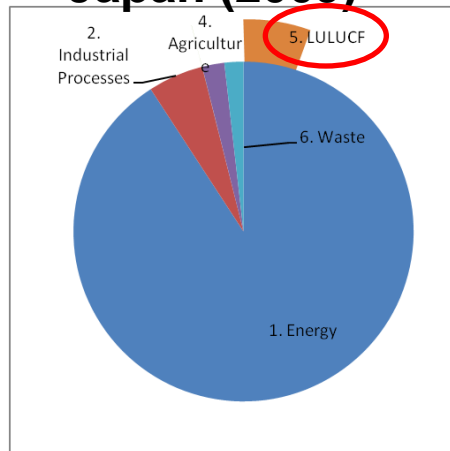 - Possible follow-up activities (if any)

Materials used

- Inventories subjected to study
  - Lao PDR: Inventory for 2000
  - Japan: Inventory for 2009

- Materials used (Those underlined are publicly available.)

Country	Inventory Report	Spreadsheets	Others
Lao PDR	Inventory Report for SNC	UNFCCC Software worksheets	
Japan	National Inventory Report 2011	Common Reporting Format	

Sector overview

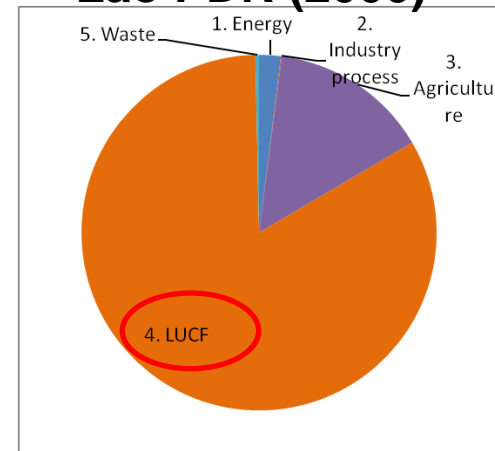

Japan (2009)

Lao PDR (2000)

(as of 28/07/2011)

LULUCF sector (2009)

- -71541 Gg-CO$_2$
  - Forest land (-73678 Gg)
  - Grassland (-276 Gg)
  - Settlements (816 Gg)
- Key categories
  - Forest land remaining Forest land
  - Land converted to Settlements
- Other features…
  - Most of the forest is managed.
  - Much of the forest in Japan is not in equilibrium (less than 60 years old)

LUCF sector (2000)

- 43929 Gg-CO$_2$
  - forest conversion and degradation (83%)
  - Removal (-2047 Gg)
- Key categories
  - Forest and grassland conversion
  - Change in forest and other woody biomass stocks
  - Forest and grassland conversion
- Other features…
  - Forest conversion is a dominant factor for emission from LUCF sector (about 90%).

Workshop on Greenhouse Gas Inventories in Asia

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Issues & solutions (Lao PDR)

- Possible double-counting and leakage.
  - Needs further study and data collection
- Country-specific data can be applied.
- Estimation of soil carbon
  - Needs further study

Good practice

Lao PDR

- '96 GL is applied well.
- Relatively high level documentation.
  - Comprehensive land use data.
  - Investigation for adapting CS data in the future.

Japan

- Good data collection system

Possible follow-up activities

- Will apply country-specific data.
- May apply 2006 GL.
- Some editorial problems will be fixed.

Suggestion for future ML

- Even among countries with different climate/ forest use/ ecosystem, ML worked well.

- Industrial Processes is growing sector/ Agriculture is major sector and those may be future subject to ML.