

Challenges for Capacity Development in National GHG Inventory

Experiences of JICA's Technical Cooperation

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Outline

- 1. JICA's approach** to support development of GHG Inventory
- 2. Case Study 1:**
Capacity Development of National Greenhouse Gas Inventory in **Vietnam**
- 3. Case Study 2:**
Capacity Development for Climate Change Strategies in **Indonesia**

JICA's approach to support development of GHG Inventory

Required Capacity

Technical skills on data collection, selection of EFs, data compilation, QA/QC, etc.

Management skills on making the process systematize

Communication skills on inter-ministerial & multi-stakeholder cooperation

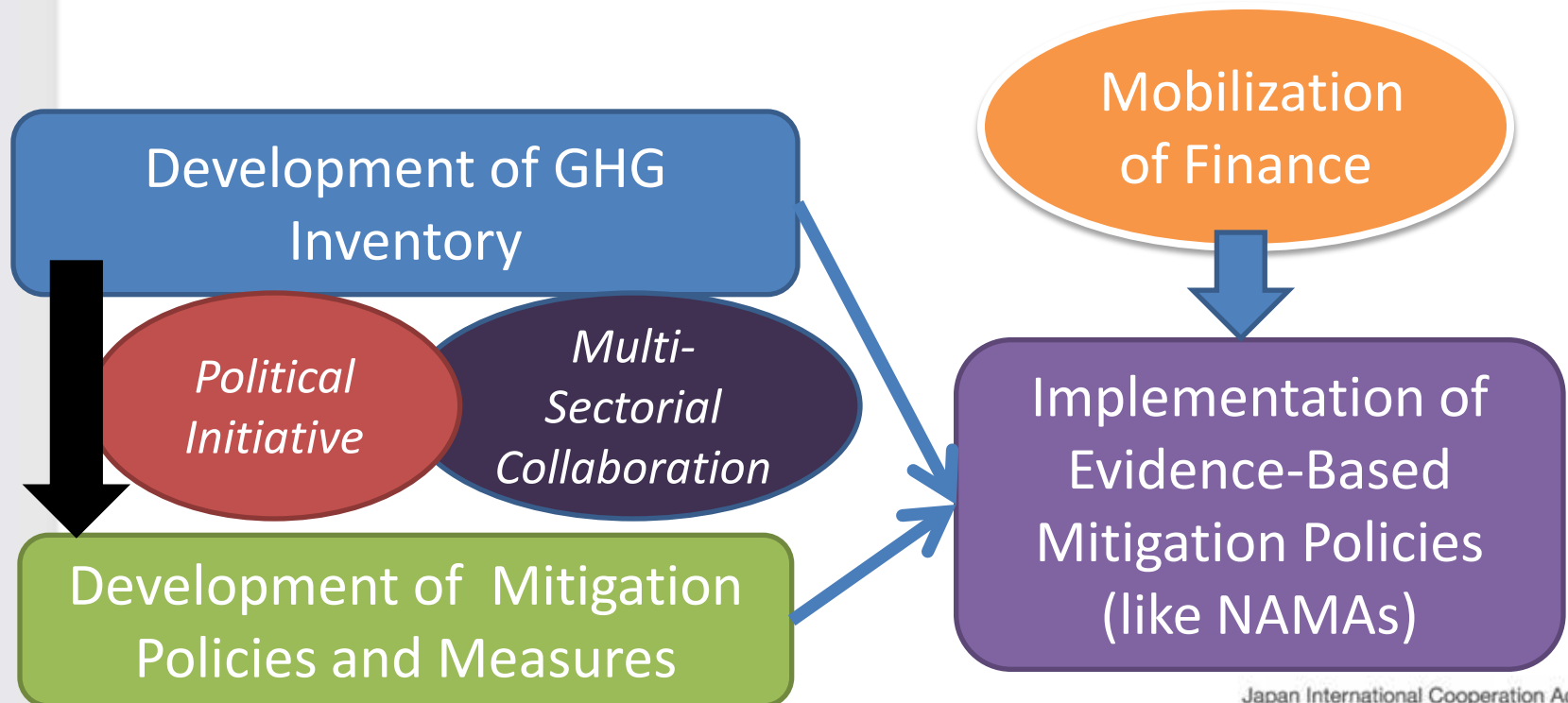


Expected Outcome

- Produce draft national GHG inventory reports as a test run
- Establish the system in which data be updated periodically in reliable manner

GHG inventories are a useful tool for countries

- to understand the level of national GHG emissions;
- to use as a basis for developing and implementing mitigation policies and measures;
- to track the progress of mitigation policies and measures.



Capacity Development for GHG Inventories -Concept

Guidance by
Government



Future Visions

➤ GHG Inventory Process

- Data Collection
- Selection of Emission Factors
- Estimation
- Data Compilation
- Establishment of QA/QC methods, etc.



Establish a
System which
runs in Self-
reliant and
Sustainable
manner

➤ Evidence-Based Policies

Promotion of Evidence-
Based Policy Planning,
Implementation,
Monitoring and
Evaluation on Climate
Change including NAMAs

Motivation



JICA Technical Cooperation in Vietnam and in Indonesia

Currently, JICA implements 2 projects related to GHG inventory preparation in developing countries:

1. Project for Capacity Development of **National GHG Inventory in Vietnam** (2010-2014)
2. Project of Capacity Development for **Climate Change Strategies in Indonesia** (2010-2015)



Project for Capacity Development of National Greenhouse Gas Inventory in Vietnam (2010-2014)

➤ PROJECT FRAMEWORK

Project Purpose:

Strengthened Capacity to Prepare Accurate and Reliable National GHG Inventories Periodically

Outputs:

1. Enhancement of Capacity to Periodically and Systematically Collect and Compile Necessary Data for National GHG Inventories
2. Enhancement of Capacity to Promote Understanding of National GHG Inventories in Relevant Ministries and Agencies
3. Enhancement of Capacity to Manage Quality Assurance/Quality Control (QA/QC) of GHG Inventories in Each Sector

Counterpart Organizations:

Ministry of Natural Resource and Environment (MONRE)

- Department of Meteorology, Hydrology and Climate Change (DMHCC)
- Institute of Strategy and Policy on Natural Resources and Environment (ISPONRE)
- Institute of Meteorology, Hydrology and Environment (IMHEN)
- Vietnamese Environmental Protection Agency (VEA)

Project for Capacity Development of National Greenhouse Gas Inventory in Vietnam (2010-2014)

Progress made

■ National system for GHG inventory

Following documents were prepared:

- Capacity Assessment Plan
- Quality Assurance/Quality Control (QA/QC) activity plan,
- Roadmap for improving national system,
- Structure of Institutional Arrangement,
- Data collection framework.

■ Technical issues for GHG inventory

- Study conducted regarding estimation methods, by local experts

■ Preparation of GHG inventories for the years 2005 and 2010

- GHG inventory for the year 2005 will be finalized soon.
- GHG inventory for the year 2010 is now being prepared.
- 115 categories (datasets) of 5 sectors are aimed to be covered by available data or by appropriate notation keys (while 36-38 categories were covered in SNC).

Project for Capacity Development of National Greenhouse Gas Inventory in Vietnam (2010-2014)

Target of Data Coverage (No. of Categories) for Elaboration of 2005 and 2010 GHG Inventories

Sectors	Counterpart Institution	No. of categories targeted to cover	No. of SNC categories
Energy	IMHEN	9	9 or less
Industrial process	IMHEN	22	5 or 6
Agriculture	VEA	24	8
LULUCF	IMHEN	34	5 or 6
Waste	VEA	26	9
Total		115	36-38

Source: Project, December 2012.

Remark: All the categories used in SNC are included in the categories that are targeted to be covered by the Project.

Project for Capacity Development of National Greenhouse Gas Inventory in Vietnam (2010-2014)

Challenges

- ◆ Capacity Development for Treating Cross-Cutting Technical Issues and the Overall Compilation of Respective Sectors of the National GHG Inventory
- ◆ Legalization of Institutional Arrangements for Enabling Line Ministries' Support for Data Collection

Thank you for your Attention!

