



Introduction to the Sub-Project on Capacity Development for Developing National GHG Inventories

Sub-Project 3 of Project of Capacity Development for Climate Change Strategies in Indonesia



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The 11th Workshop on GHG Inventories in Asia (WGIA11)



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JICA Project of Capacity Development for Climate Change Strategies in Indonesia 2010-2015

SUB-PROJECT1

The Project of Low Carbon Development Strategy by Integrating Mitigation and Adaptation Action into National Development Planning

Implementing Agency: The National Development Planning Agency (BAPPENAS)

Main activities:

- (1) To enhance the capacity to formulate mitigation actions that can be monitored, evaluated and reported
- (2) To enhance the capacity to formulate actions for climate change adaptation, and to integrate adaptation into development planning
- (3) To conduct background study for the next Mid-term Development Planning (RPJMN) 2015-2020

SUB-PROJECT2

The Project of Capacity Development for Vulnerability Assessment

Implementing Agency: The Meteorology, Climatology and Geophysics Agency (BMKG)

Main activities:

- (1) To enhance basic capacity for vulnerability assessment
- (2) To improve the capacity for climate change projection and verification
- (3) To improve the capacity for assessment of sensitivity, adaptive capacity and integration
- (4) To establish implementation structure for vulnerability assessment

SUB-PROJECT3

The Project of Capacity Development for Developing National GHG Inventory

Implementing Agency: The Ministry of Environment (KLH)

Main activities:

- (1) To design national system for preparing national GHG inventories
- (2) To enhance the capacity to periodically and systematically manage data necessary for national GHG inventories
- (3) To improve accuracy, transparency and reliability of GHG inventories for each sector

Stakeholders in Indonesia

- BAPPENAS – Pemerintah Daerah
- Kementerian terkait, dll.

Other donors

- GIZ (NAMA/MRV)
- EU (MRV), etc.

Inputs from Japan

- JICA Senior Advisor
- Long term expert

- BMKG - KLH - Kementerian terkait
- Pemerintah Daerah, dll.

- GIZ (vulnerability assessment), etc.

- Long term expert

- KLH - Kementerian terkait
- Pemerintah Daerah, dll.

- UNDP (National Communication), dll.

- Long term expert from National Institute of Environmental Studies (GHG Inventory Office)
- Consultant team



2. Overview of Sub-Project 3

2. Overview of Sub-Project 3

2.1 Background

- **GHG inventories are a useful tool for countries**
 - to understand the level of national GHG emissions/removals;
 - to use as a basis for developing national mitigation policies and measures; and
 - to track the progress of national mitigation policies and measures.
- **Developing parties to the UNFCCC have agreed to prepare GHG inventories on a regular basis (every two years as part of the biennial update report).**
- **Indonesia has prepared GHG inventories twice under the UNFCCC. In 2010, A division was established in KLH to prepare the national GHG inventory.**

2. Overview of Sub-Project 3

2.1 Summary of SP3

- **Goal of SP3**
 - To build capacity of KLH and line Ministries so that GHG inventories can be prepared in cooperation with the key ministries and local governments on a regular basis.
- **Counterpart**
 - Members of the KLH GHG inventory unit headed by Pak Dida
 - JICA experts will also work with line Ministries to improve the inventory.
- **Project length**
 - April 2011- October 2014 (October 2015)
- **Actual output**
 - GHG Inventory for Biennial Update Report

2. Overview of Subproject 3

2.1 Objective of SP3

The overall goal of the JICA Project

Mitigation and adaptation actions for climate change are promoted in Indonesia.

The purpose of sub project 3

National GHG inventories are compiled by KLH on a regular basis in cooperation with key ministries and local governments concerned of the Indonesian government.

The outputs for sub project 3

Output 1: National system for preparing national GHG inventories is designed

Output 2: Capacity to periodically and systematically manage data necessary for national GHG inventories is enhanced

Output 3: Understanding on accuracy, transparency and reliability of GHG inventories is enhanced for each sector among key ministries and local governments.



3. The Progress

3. Project Implementation plan

3.1 The status of the national system

- Legal Arrangement
 - Presidential Regulation 71/2011 has set the foundation for Indonesian GHG inventories.
- Institutional Arrangement
 - General roles and responsibilities for KLH and line Ministries have been defined by the PR 71, but details have yet to be formalized, or documented.
 - The role of the sectoral working group is still lacks clarity.
- Procedural arrangement
 - KLH Guidelines outlines procedures for GHG inventory preparation but they have not been agreed by the line Ministries.

NATIONAL GHG INVENTORY SYSTEM/SISTEM INVENTARISASI GRK NASIONAL (SIGN)



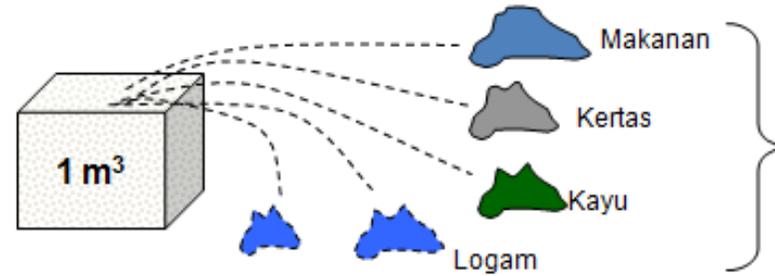
3. Project Implementation plan

3.2 Progress of output 3 activities

- IPCC Guidelines
 - KLH has published the KLH Guidelines for preparing national GHG inventories.
 - Step-by-step manuals for all sectors in inventory
 - are made to explain the detailed steps of how to calculate the emissions, including how to enter the activity data, choosing the right parameters or emission factors using Tier 1 default value in IPCC Guidelines 2006.
- Pilot project on the waste sector
 - The pilot project on the waste sector in North and South Sumatera has been making good progress.

3. The result of Pilot Project

3.3 Waste composition survey

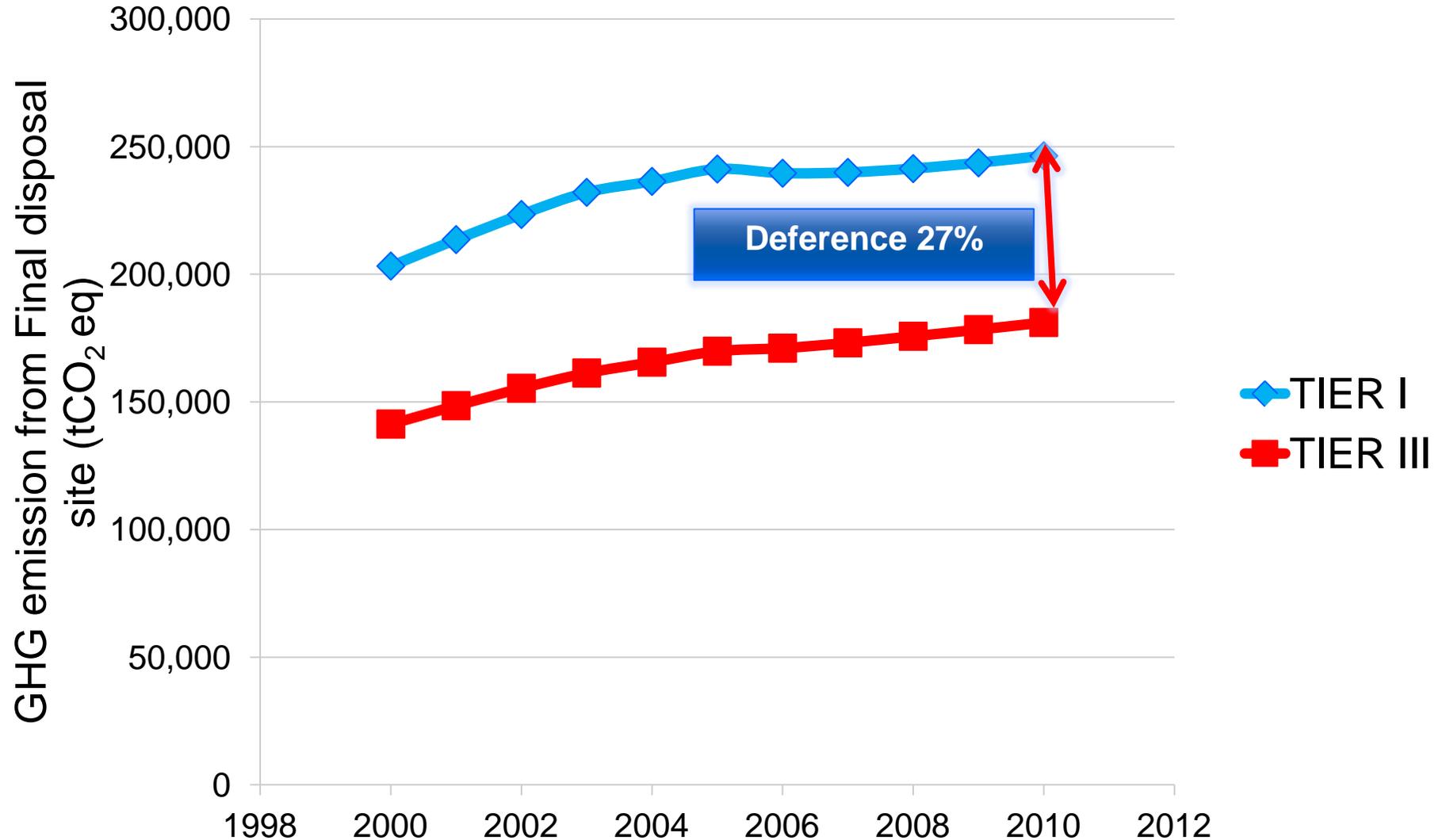


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3. The result of Pilot Project

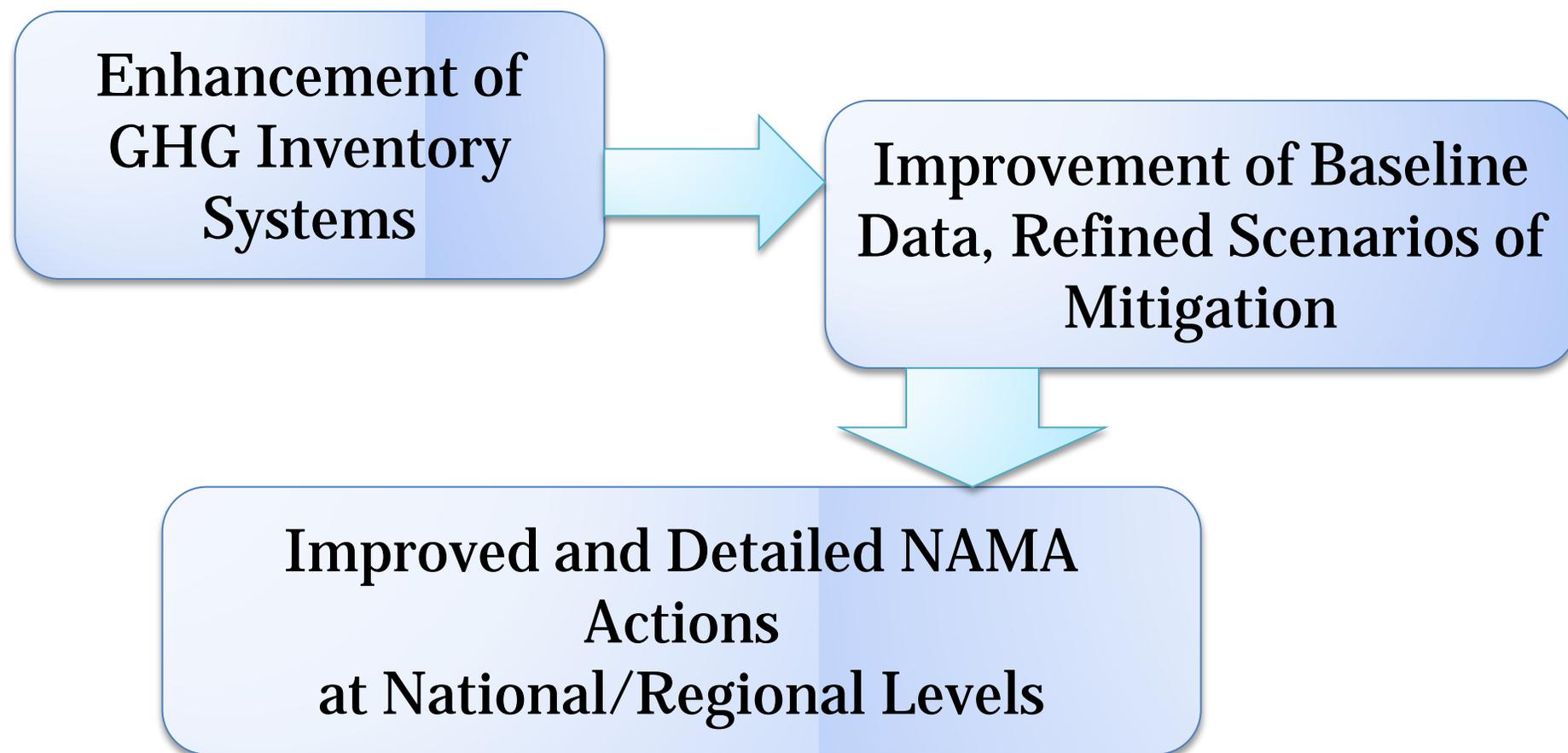
3.3 Applied High Tier Methodology



Estimated GHG emissions by Tier I and Tier III at South Sumatra province

4. Further Challenges

- ◆ Utilization of GHG Inventory Data for Planning/Monitoring of Various Types of NAMAs



Terima Kasih, Thank you for your attention

The screenshot shows the website's header with language options (English | Bahasa) and the project title: "Project of capacity development for climate change strategies in Indonesia". A navigation bar includes links for HOME, ABOUT US, PROJECTS, NEWS, PUBLICATIONS, COUNTERPARTS, and CONTACT US. The main content area features a "NEWS" section with a photo of a meeting and a text block titled "2nd Joint Coordinating Committee (JCC), 28 September 2012". Below this are "FOCUS ON" and "PUBLICATIONS" sections. The "FOCUS ON" section highlights the "RAN-API Reference: National Climate Change Adaptation Action Plan" and includes a diagram showing the flow from "National Climate Change Adaptation Strategy" to "RAN-API Reference" and "National Climate Change Adaptation Action Plan". The "PUBLICATIONS" section lists several documents, including newsletters, summary notes, and a GHG inventory guideline.

English | Bahasa

Japan Indonesia Technical Cooperation Project

Project of capacity development for climate change strategies in Indonesia

HOME | ABOUT US | PROJECTS | NEWS | PUBLICATIONS | COUNTERPARTS | CONTACT US

NEWS

2nd Joint Coordinating Committee (JCC), 28 September 2012

The meeting is chaired by the Deputy for Natural Resource and Environmental Affairs of BAPPENAS and attended by the project counterparts representative from BAPPENAS (Sub-Project 1), BMKG (Sub-Project 2), and KLH (Sub-Project 3) as

MORE >>

FOCUS ON

RAN-API Reference: National Climate Change Adaptation Action Plan

The Indonesian government intends to prepare a national climate change adaptation action plan (the RAN-API) in 2012.

[RAN-API Reference...>>>](#)

PUBLICATIONS

- [Newsletter] Issue No.4, March 2013
- Summary Notes
- [Newsletter] Issue No.3, November 2012
- GHG Inventory Guideline for Indonesia
- Official Meeting on RAN-API Synthesis Report

Project of capacity development for Climate Change Startegy in Indonesia

<http://www.greenclimateproject.org/home/>