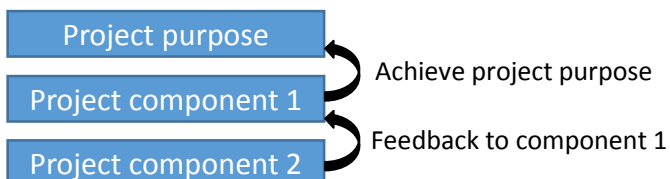




Introduction

According to the National Strategy on Climate Change issued by the Prime Minister of Vietnam in December 2011, Nationally Appropriate Mitigation Actions (NAMAs) will be planned by the Ministry of Natural Resources and Environment (MONRE). In this context, a technical support project for capacity enhancement was requested to JICA. The “Project to Support the Planning and Implementation of NAMAs in a MRV Manner” (SPI-NAMA) started in January 2015. The purpose of SPI-NAMA is to enhance the capacity of the Government of Vietnam concerning the planning and implementing of NAMAs. To attain this goal, SPI-NAMA has two project components.



Project Component 1

The first project component aims to enhance the capacity of MONRE to facilitate the process of development and implementation of NAMAs. It is implemented by MONRE and the JICA Long-Term Experts.

Project Component 2

The second component aims to enhance the capacity of cities in Vietnam to quantify greenhouse gas (GHG) emissions and reductions, taking Ho Chi Minh City (HCMC) as a model city.



This component is implemented by the Climate Change Bureau (CCB), Department of Natural Resources and Environment (DONRE) of HCMC with the support of the JICA Short-Term Experts. The profile of Component 2 is shown below.

Main activities	Piloting MRV of NAMAs Preparing GHG inventory
Executive agency	DONRE-CCB of HCMC
Japanese side input	Seven Short-Term Experts
Project duration	24 months (2015-2017)
Project site	HCMC

Main activities

MRV of NAMAs

Ongoing or planned NAMAs to pilot MRV in HCMC are selected in three focused sectors. They are energy, transport and waste sectors. The baseline GHG emission at the project inception, and anticipated and actual emission reduction of selected NAMAs are quantified. Utilizing the outputs of the activities in HCMC, an MRV manual for HCMC and MRV guidelines for local governments are developed.

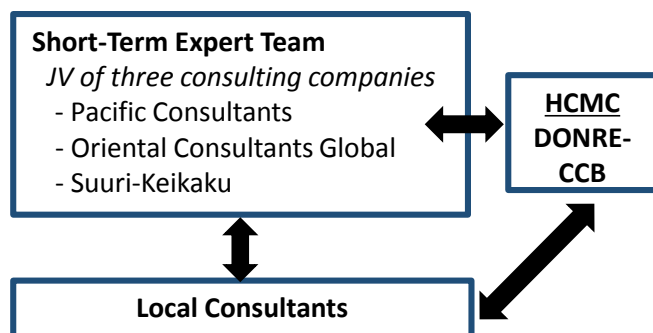
GHG Inventory

The activity data of 2013, 2014, and 2015 are collected. GHG inventory of 2013 and 2014 are developed following the Global Protocol for Community-Scale GHG Emission Inventories (GPC). The GHG inventory of 2013 is also prepared for ten sectors in the Climate Change Action Plan (CCAP) of HCMC.

Year	2013	2014	2015
Inventory format (Excel file)	Same format of excel file		
Data request	Yes	Yes	Yes
Compilation of Inventory (Based on GPC)	Yes	Yes	Optional
Compilation of Inventory (Based on 10 sectors)	Yes	Optional	Optional

Implementation structure

The seven-member JICA Short-Term Expert Team composed of three consulting firms assists the implementation of Component 2. The local consultant team represented by NIRAS-RCEE is also engaged to assist project implementation.



CCB is the main counterpart to the JICA Short-Term Expert Team. CCB was established in DONRE in 2012 to execute practical work related to climate change policy following the decisions of the Climate Change Steering Board of HCMC.

Progress to date

Component 2 started in October 2015. Up to February 2016, the JICA Short-Term Experts have made four visits to Vietnam. This period mainly concentrated on preparing the project activity plan and establishing the implementation structure. In the first visit (Oct 2015), the kick-off meeting involving MONRE, CCB, JICA Long- and Short-Term Experts was held and the Work Plan of Component 2 was discussed. In the very brief second visit (Nov 2015), a presentation on Component 2 was given at a seminar co-organized by Osaka City. In the third visit (Nov-Dec 2015), relevant organizations such as the Department of Transport (DOT), and Department of Industry (DOIT) and Trade was invited for a meeting to gain understanding on the project. A seminar was held in the fourth visit (Jan 2016) to provide further information on the project, and basic knowledge on NAMA/MRV and GHG inventory to relevant organizations of HCMC.

MRV of NAMAs

A Work Breakdown Structure (WBS) has been developed.

Eleven milestones are set and work items and schedule to achieve the milestones are indicated.

Discussions are ongoing with organizations in the energy, transport

and waste sectors to collect information on planned and ongoing NAMAs in HCMC.

GHG Inventory

A WBS has also been developed for GHG inventory. CCB determined the year for preparing the inventory. The GHG inventory of HCMC will be prepared following the international guideline, GPC. In addition, an inventory following the ten sectors in the CCAP of HCMC will be prepared. The ten sectors are land use, energy, industry, water management, waste management, transport, construction, public health, agriculture and tourism. A preliminary investigation on the data availability is ongoing. Spreadsheets to organize data is under construction.

Outputs and Activities of NAMA/MRV	2015				2016				2017																		
	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
Output 1 Organization structure and summary report of the sector of HCMC																											
1.1 Collect information on structure and roles of concerned agencies/departments and role of HCMC departments/offices																											
1.1.1 Collect information on structure and role of HCMC departments/offices																											
1.1.2 Collect information on structure and role of organizations outside HCMC																											
1.1.3 Collect related information of the sector																											
1.3 Review compiled information																											
1.4 Prepare summary report of the sector																											
9.3 Perform reporting using the format																											
Output 10 Draft of NAMA/MRV guideline for cities in Vietnam																											
10.1 Collect document containing mitigation measures (plans, strategies, programs)																											
10.2 Analyze and compile collected information																											
10.3 Develop table of contents of draft NAMA/MRV guidelines for cities in Vietnam																											
10.4 Develop contents of draft NAMA/MRV guidelines for cities in Vietnam																											
Output 11 Final NAMA/MRV guideline for cities in Vietnam																											
11.1 Update draft of NAMA/MRV guidelines for cities in Vietnam through feedbacks from																											
11.1.1 Update draft of NAMA/MRV guidelines for cities in Vietnam through feedbacks from																											
11.1.2 Finalize NAMA/MRV guidelines for cities in Vietnam																											

What is NAMA

Nationally Appropriate Mitigation Actions (NAMAs) are voluntary activities to reduce GHG emission implemented by developing countries. Developed countries may provide support on financing, technology, and capacity development on planning and implementation of NAMAs. NAMAs encompass policies and projects. Policy NAMAs are policies and regulations contributing to GHG emission reduction. An example is the Feed-in Tariff for renewable energy. Project NAMAs are project based activities such as introduction hybrid buses, installation of waste heat recovery system and so on. Measurement, Reporting and Verification (MRV) of GHG emission reductions is integral to NAMAs.

What is National GHG inventory

GHG inventory is an accounting of GHG emission from sources and removal by sinks. National GHG inventories are usually prepared under the five sectors (energy, industrial process and product use, agriculture, land use, land-use change and forestry, and Waste). GHG inventory enables identification of major emission sources and can help targeting emission reduction activities. Component 2 works on GHG inventory at the city level.

Events

First Regular Seminar

On 6 January 2016, a seminar on the project, and basics on GHG inventory and NAMA/MRV was held at the DONRE meeting hall. This is the first of the six Regular Seminars targeting HCMC officials planned under Component 2. The goal of the Regular Seminars is to enhance the capacity of HCMC regarding planning and implementation of NAMAs. Thirteen people from organizations relevant to the project such as CCB, DOT, DOIT, Environment Company (CITENCO), and Power Corporation (EVN) of HCMC participated. Local consultants and JICA Short-Term Experts explained the basic concept and meaning of NAMA/MRV and GHG inventory.

Questions were raised on the project and data collection activities. The participants actively engaged in the discussions.

