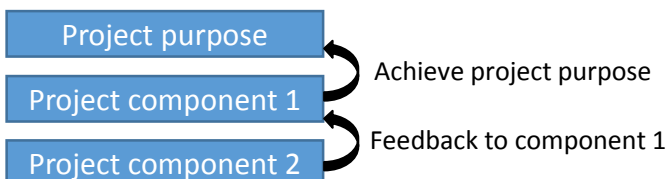




Introduction

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.

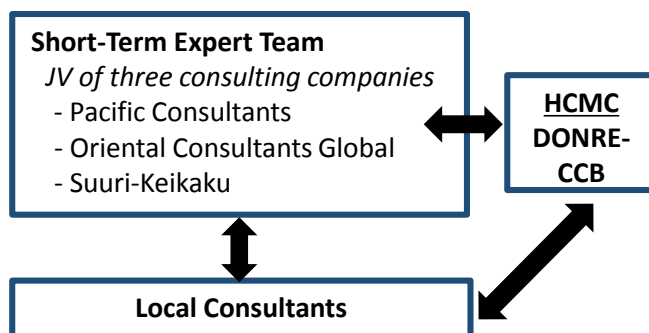
GHG Inventory

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

During the April to June 2017 period, the Short-Term Experts made two visits to Vietnam.

- Monitoring reports of the MRV pilot projects were reviewed.
- Final draft of the 2013 GHG inventory based on the GPC was prepared.
- Development of the MRV Manual and GHG Inventory Preparation Manual was continued.

MRV of NAMAs

Monitoring of the MRV pilot projects in energy, transport, and waste sectors was continued. In the meetings with the concerned organizations, the monitoring status and GHG emission reductions were reviewed and contents and procedures on the reporting were discussed. The monitoring report of “Electricity Generation at Go Cat Landfill Site”, which is one of the MRV pilot projects, was prepared by the HCMC Urban Environment Company Limited (CITENCO) and reviewed with the DONRE. The monitoring report of “Introduction of CNG Bus for Public Bus Fleet” was also prepared and reviewed with the relevant organizations such as the Department of Transport (DOT), Management and Operation Center for Public Transport (MOCPT), and Saigon Bus.

Preparing GHG Inventory

The 2013 GHG inventory based on GPC was completed in all sectors: Stationary Energy, Transportation, Waste, Industrial Processes and Product Use (IPPU), and Agriculture, Forestry and Other Land Use (AFOLU).

The trial calculation of the GHG inventory based on the ten sectors of CCAP was conducted. However, the GHG emissions could not be calculated for the Water Management, Construction, Health, and Tourism sectors.

The first half of the training on GHG inventory preparation targeting ten officials of DONRE was held on 19 and 20 April. The participants calculated the GHG emissions in the Stationary Energy and Transportation sectors in 2014 in accordance with the GHG Inventory Preparation Manual, which is under development. In the second half of the training, the GHG emissions in the Waste, IPPU, and AFOLU sectors will be calculated and the 2014 GHG inventory based on GPC will be completed.



Second training in Japan

The second training in Japan was held from 21 to 27 May 2017 targeting ten officials of HCMC.

In the first half of the training, lectures on the mitigation measures implemented by the Tokyo Metropolitan Government and policies to promote mitigation actions of private companies were given. A site visit to an energy efficient building was also conducted. Many questions were raised, especially during the lectures on the Reporting Program, and Cap and Trade Program. Keen interests in these programs were shown by the participants.

In the second half of the training, site visits to a solid waste treatment plant and a waste water treatment plant were held to learn the GHG emission reduction efforts in the public sector. In the final day of the training, as an exercise, the participants made a MRV plan of a waste-to-energy project in accordance with the MRV Manual which is being developed under the project.

Date	Contents
21 May	•Arrival (Narita)
22 May	•Orientation
	•Presentation by participants (initiatives on mitigation in HCMC)
23 May	•Lecture on MRV Manual and GHG Inventory Preparation Manual of HCMC
	•Lecture on mitigation actions of Tokyo Metropolitan Government
	•Lecture on GHG inventory of Tokyo
24 May	•Lecture on Reporting Program and Cap & Trade Program
	•Lecture on program to promote energy saving of private sector
25 May	•Visit to energy efficient building
	•Visit to waste treatment plant
26 May	•Visit to waste water treatment plant
	•Workshop (MRV planning)
	•Presentation by participants
27 May	•Closing
	•Departure (Narita)

