

2018 Work Plan for Technical Works in HCMC for JICA SPI-NAMA Project

April 13, 2018

Makoto Kato

Overseas Environmental Cooperation Center, Japan (OECC)

Team Leader, HCMC Component, SPI-NAMA

Outline of the Presentation

1. Background

2. SPI-NAMA/HCMC - 3 Activities in 2018-

- **Activity 1:** Elaborating actions to strengthen the HCMC Climate Change Action Plan at policy level
- **Activity 2:** Strengthening City-level GHG Inventory, based on the past cooperation
- **Activity 3:** Investigating action plan development and MRV for the targeted sector in HCMC as pilot (transport sector)

3. Importance of Teaming-up in HCMC

Background

The 4th Session of the Joint Coordinating Committee (JCC) of the SPI-NAMA Project, held on 29 Nov 2017, decided to focus on the following activities during the extended period in 2018.

Upstream Mitigation Policy Development

- Technical support to Drafting of Government Decree on Roadmap for GHG Emission Reduction
- Technical support to Circular development

Technical works to support implementation of such policy taking HCMC as the pilot site

- Explore policy-level actions to facilitate mitigation by large GHG emitters to strengthen HCMC CCAP
- Elaborate city-level monitoring & evaluation to support quantification of impacts (HCMC GHG inventory)
- Assess opportunities for introducing low carbon technologies and MRV framework in transport sector

2. SPI-NAMA/HCMC - 3 Activities in 2018-

Activity 1. Elaborating actions to strengthen the HCMC Climate Change Action Plan at policy level

Activity 2. Strengthening City-level GHG Inventory, based on the past cooperation

Activity 3. Investigating action plan development and MRV for the targeted sector in HCMC as pilot (transport sector)

Activity1. Elaborating actions to strengthen the HCMC Climate Change Action Plan at policy level

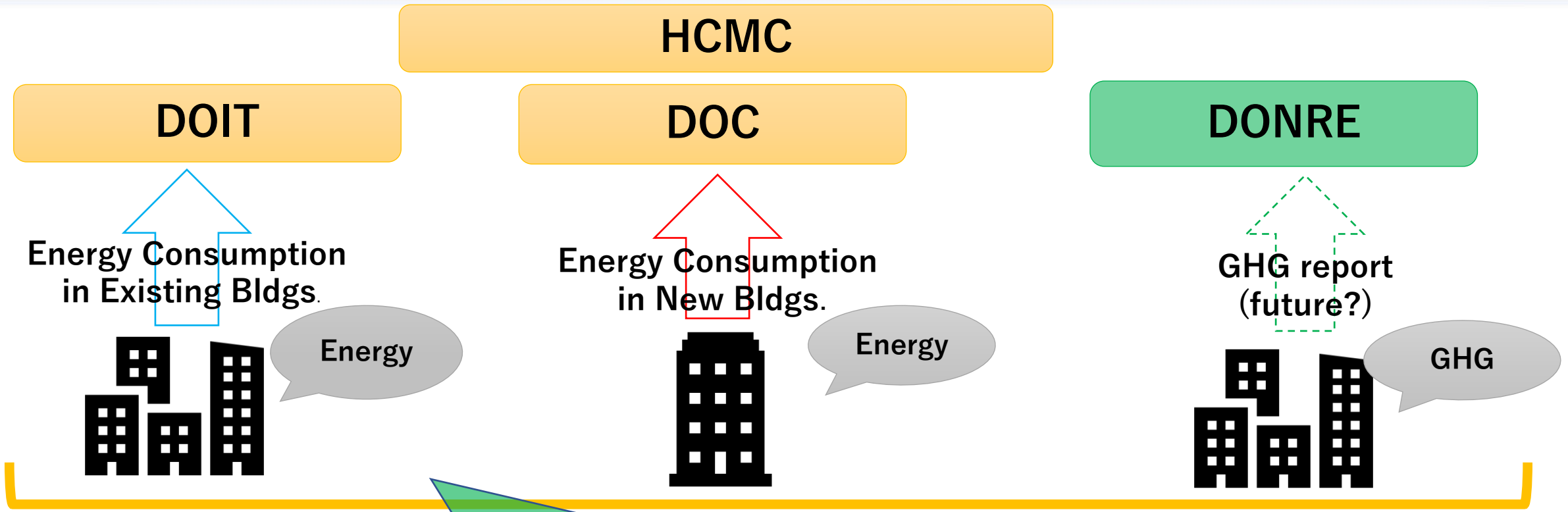
Background:

After the JCC4, several options were discussed and preferences were shown by HCMC and MONRE. Technical advices were given from the Tokyo Metropolitan Government, based on their recent experiences with the training session in HCMC on Feb 2, 2018.

Contents of Activities :

- 1. Stock-take of energy consumption data for targeted building categories (based on results of existing energy audits & standards)**
- 2. Trend analysis of energy consumption for each building category (Large, Mid-small, existing and newly built etc.) including future energy demand/GHG increase**
- 3. Identification of potential policy actions to best promote energy efficiency/GHG reduction for each building category (such as GHG reporting system, benchmark/target setting, and incentive mechanisms etc.)**

Activity1. Elaborating actions to strengthen the HCMC Climate Change Action Plan at policy level



Technical analysis on Energy Audit Results

Support in identification of actions

Identification of policy actions under the CCAP (customized for respective EE potentials)

Policy Action A:
Introduction of GHG measurement and reporting system (suggested design, guidelines, institutional arrangements etc.)

Policy Action B:
Introduction of Building Energy Efficiency benchmark/targets

Policy Action C:
Other options best customized for Building Energy Efficiency

- JICA's Technical Cooperation
- ✓ Dispatching Japanese Experts (including Tokyo Metropolitan Government)
 - ✓ Local consultant
 - ✓ Organizing WS and Training etc.

Key consideration responding to EE needs for buildings in 4 different categories (based on technical advices from the Tokyo Metropolitan Government: TMG)

	Large buildings	Small buildings
Existing Buildings	Potential policy action?*	Potential policy action?*
Newly planned buildings	Potential policy action?*	Potential policy action?*

* Policy actions should be customized to energy efficiency potentials that may be realized. In some case, GHG reporting may be suitable, and in other case, setting energy efficiency benchmark/targets may be useful.

* In the extended cooperation by JICA SPI-NAMA, knowledge-based cooperation from the TMG should be mobilized, in order to share their practical experiences.

Activity 1: Image of Products

- Report of options for policy instruments for strengthening HCMC CCAP
- Data sets for the options to provide scientific evidences for policy makers.
- (Indicatively, options for policy instruments may include Mandatory GHG Reporting System, Benchmark setting for building energy consumption, incentive mechanism for commercial building owners such as increased building coverage/floor ratio etc.)

Activity 2: Strengthening City-level GHG Inventory, based on the past cooperation

Background:

Building on the progresses made for development of HCMC GHG Inventory, the Project further provides technical backstopping to enhance HCMC's technical capacity to autonomous Inventory development, as well as enhanced response to meet international best practice and standard through Inventory Reporting and Information System (CIRIS).

Contents of Activities :

- 1. Assessment and response to CIRIS requirements and support for C40 dashboard reflection**
- 2. Assistance to Quality Control of GHG Inventory in 2016**
- 3. Overall review of HCMC GHG Inventory**

Activity 2 :Strengthening City-level GHG Inventory, based on the past cooperation

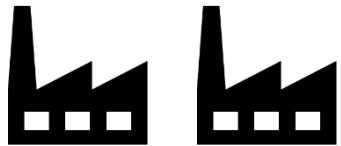
HCMC

DONRE

CCB

Existing
GHG Inventory

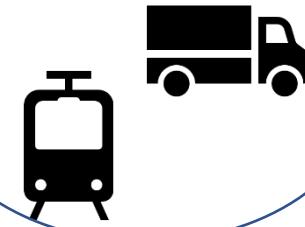
GHG Data



GHG Data



GHG Data



Capacity strengthening of
HCMC

New requirements to meet

JICA's Technical Cooperation

- ✓ Dispatching Japanese Expert
- ✓ Organizing WS and Training
- ✓ Support for QA/QC etc.

C40
CITIES
CLIMATE LEADERSHIP GROUP

Activity 2: Image of Products

- Analysis of gaps and options for HCMC to meet CIRIS Requirement of C40
- Report on 2016 GHG Inventory capacity building

(with 2016 GHG Inventory completed under the effort by HCMC)

Activity 3: Investigating action plan development and MRV for the targeted sector in HCMC as pilot (transport sector)

Background:

Following the findings of the Low Carbon Technology Assessment on potential energy efficiency/decarbonization measures and renewable energy utilization in transport sector, in particular on target facilities, and in line with direct recommendations of MONRE and MOT, the following activities are planned, with mobilization of Japanese short-term experts, assigning a local expert, organizing workshops, training, and elaborating draft reports.

Contents of Activities :

- 1. Survey on latest trends of low carbon technologies at the transport/EE Sector**
- 2. Collection of basic information in the sub-sector at Ho Chi Minh**
- 3. Selection of target facilities and collection of detailed information**
- 4. Investigation of introduction possibility of low carbon technologies at targeted facilities**
- 5. Estimation of GHG emission reduction amount by introducing low-carbon technology**
- 6. Construction of MRV system, procedure and methodologies**

Activity 3: Investigating action plan development and MRV for the targeted sector in HCMC as pilot (transport sector)

MONRE

MOT

HCMC

FS for tangible action with Project

Facility operation company



GHG reduction ↓

Support in preparation for Project development


































MRV

- JICA's Technical Cooperation
- ✓ Dispatching Japanese Expert
 - ✓ Local consultant
 - ✓ Organizing WS and Training
 - ✓ etc.

Activity 3: Image of Products

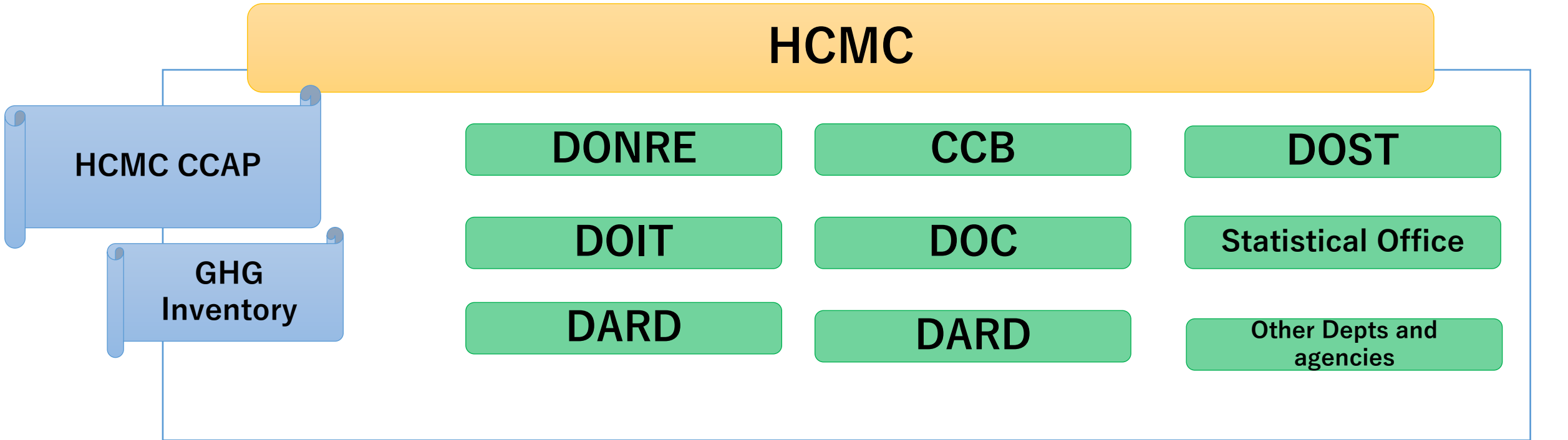
- Feasibility Study Report on introducing low carbon technologies in the sea port subsector (for selected 2 terminals)
- MRV manual for transport and energy efficiency sector (sea port)

Preliminary Plan of Operation

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Activity 2.1				 		 			 			 
	Desk review/Document preparation/Research											
Activity 2.2				  		 			  			 
	Desk review/Document preparation/Research											
Activity 2.3			 	  		 			  			  
	Desk review/Document preparation/Research											
Events associated with the above Activities			<ul style="list-style-type: none"> • Consultation • On-site survey 	<ul style="list-style-type: none"> • Consultation • Joint Initial WS • Review existing inventory • On-site survey 	<ul style="list-style-type: none"> • Joint initial WS 	<ul style="list-style-type: none"> • Training • Inventory QC/Training • On-site survey (EE/TR) 			<ul style="list-style-type: none"> • Inventory training • On site survey (EE/TR) • Mid-term WS 			<ul style="list-style-type: none"> • On site survey • Joint final WS

-  Consultation
-  Workshop
-  Training
-  On-site survey

3. Importance of teaming up in HCMC



Cross-cutting coordination is necessary in;

- ✓ Data collection and accessibility
- ✓ Decision-making for a future policy actions in strengthened HCMC Climate Change Action Plan

- Private sector
- Public enterprises
- Academia

Thank you for your
attention!