

Lessons from Asia Low Carbon Cities

- Challenges of Asian cities and Support by Japanese Experts -

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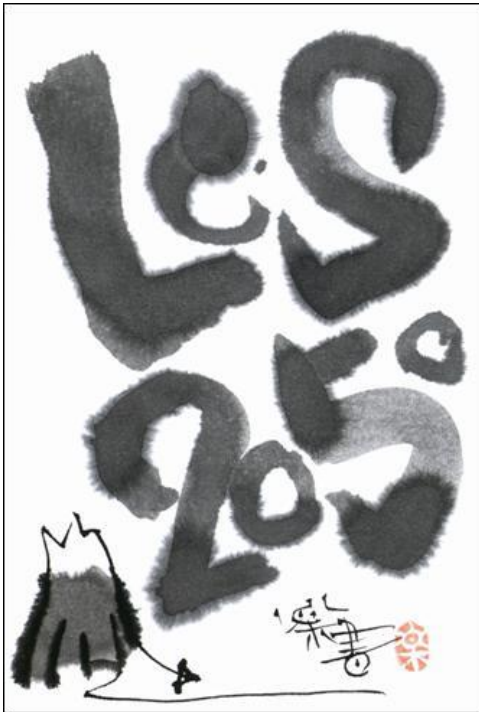
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Drawn by Mr. Hajime Sakai

1. Overall Activity of Low Carbon Society Research Project

Low Carbon Society (LCS) Scenarios and Plans in Asia

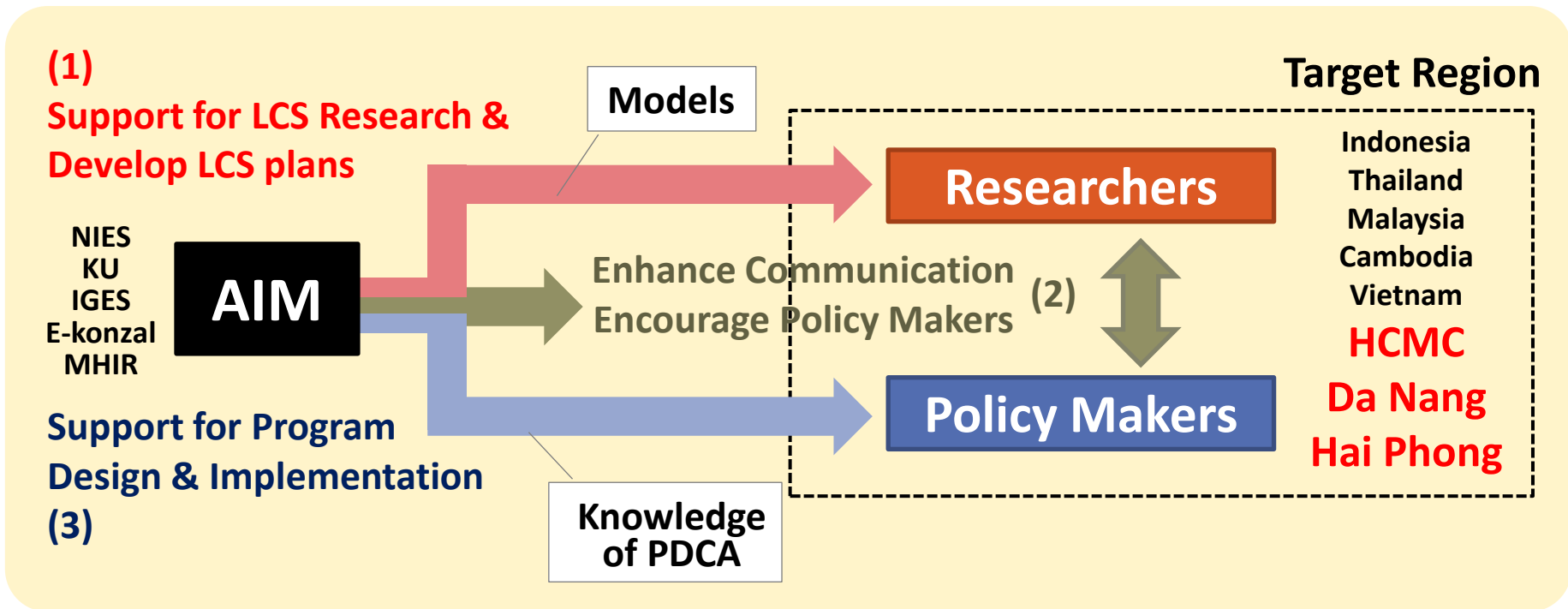
- Quantitative scenario approach with AIM has been applied to more than 20 regions in Asia, and LCS plans and roadmaps are developed for each region.
- In FY 2015 (Apr. 2015 – Mar. 2016), main target regions for development of LCS plans are Thailand, Indonesia and cities in Vietnam (Ho Chi Minh, Hai Phong and Da Nang).

http://2050.nies.go.jp/LCS/index_j.html



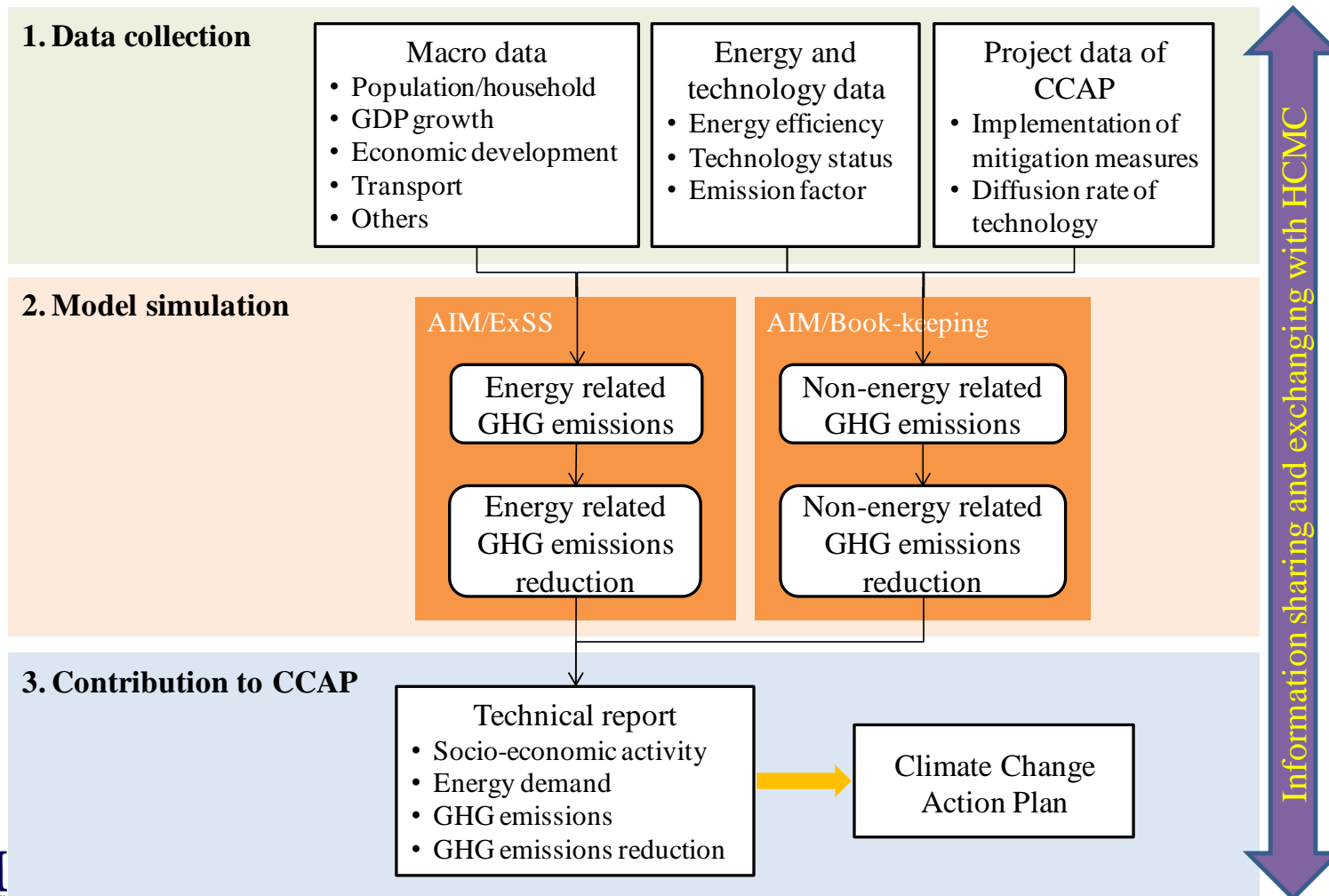
Low Carbon Society Research (LCSR) Project

- The following diagram shows the overall structure of LCSR project which is funded by Ministry of the Environment Japan (MoEJ).
- AIM team has collaborated with researchers to develop national/city-level LCS plans and roadmaps (1), and communicated policy makers to make actual policy (2).
- AIM team is also trying to collaborate researchers and policy makers to design practical programs and implementation arrangement for mitigation actions (3).

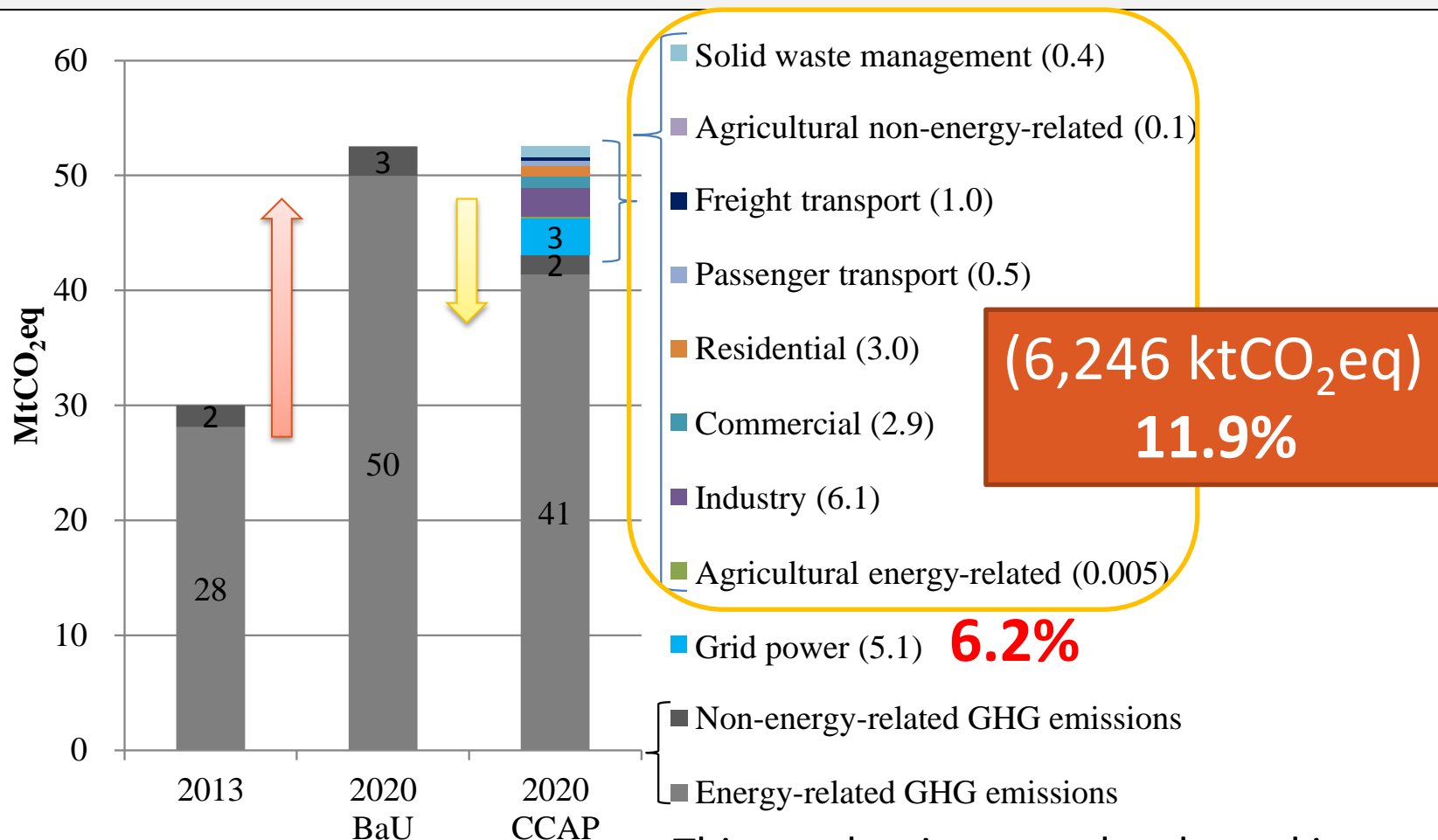


2. LCS Scenario Development: Case Study in Ho Chi Minh City

- Ho Chi Minh City LCS scenario towards 2020 is developed with AIM and it is utilized in the process of making Climate Change Action Plan for HCMC.
- Our activity is expanding to other cities such as Da Nang and Hai Phong.



- By the 2020 CCAP scenario, the GHG emission reduction is 19.1% of total emission of Business as Usual (2020BaU) (including 6.2% reduction is expected from the mitigation of grid power)



This number is currently adopted in
HCMC Climate Change Action Plan 2016-2020 toward 2030

3. Training & Policy Dialogue

- In order to develop capacity for low carbon planning and implementation and enhance communication about LCS policy among stakeholders, training sessions and policy dialogue have been held in several countries: Malaysia, Cambodia and Vietnam.
- 30-50 researchers and policy makers from national and/or local government participated in each event, and intensive discussions were performed.

Training Session in Malaysia @ Aug. 2015



Training Session in Hanoi @ Nov. 2015



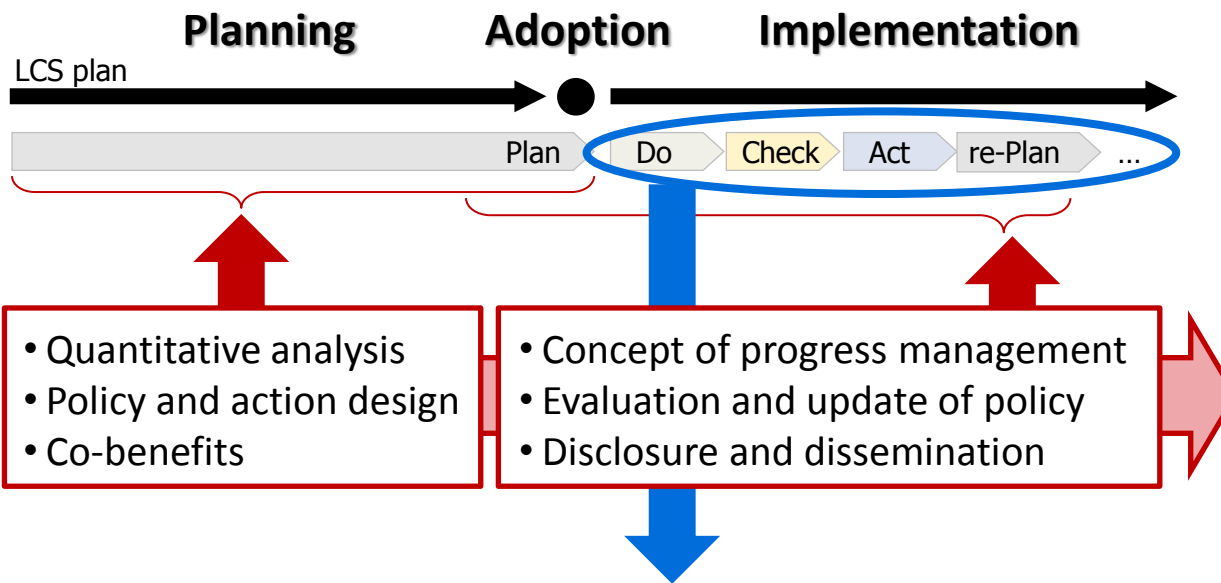
Training Session in Cambodia @ Sep. 2015



Policy Dialogue in HCMC @ Oct. 2015



- AIM team is making documents which explains PDCA process of LCS policy. Expected user is policy makers and researchers in Asian region.
- Those documents include processes of monitoring, evaluating and reviewing of LCS policy as well as methodology for planning.



Assistance for designing practical program and arrangements for implementation

Outcome of SATREPS

Outcome of LCSR project

Utilized as textbooks of training sessions

Outcomes: 2. Practical Program Design Activity (2), (3)

- As the next step of LCS planning, Putrajaya and Iskandar are trying to design a new administrative program to realize green cities in their jurisdictions.
- Collaborative team comprised by UTM, TMG, AIM has assisted practical program design in these cities.

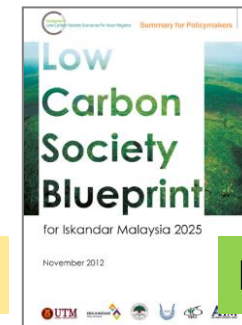
LCS Planning

through quantitative approach

- GHG Emission & Reduction
- LCS Policies & Actions



Putrajaya



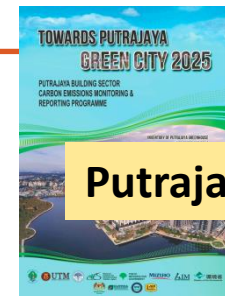
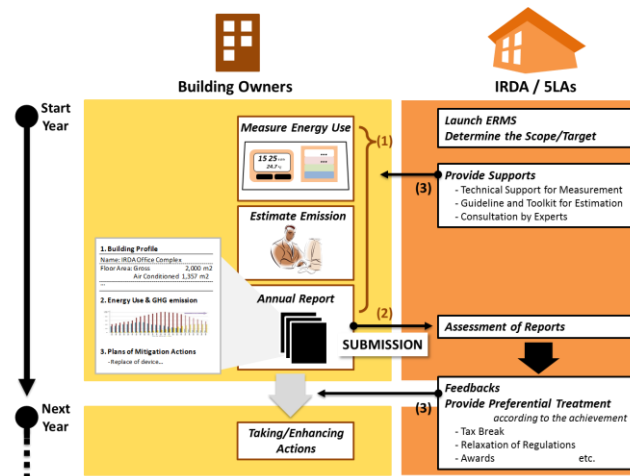
Iskandar

Next Stage

Implementation

through **practical program design**

- Monitoring
- Evaluation & Modification of the Policy



Putrajaya

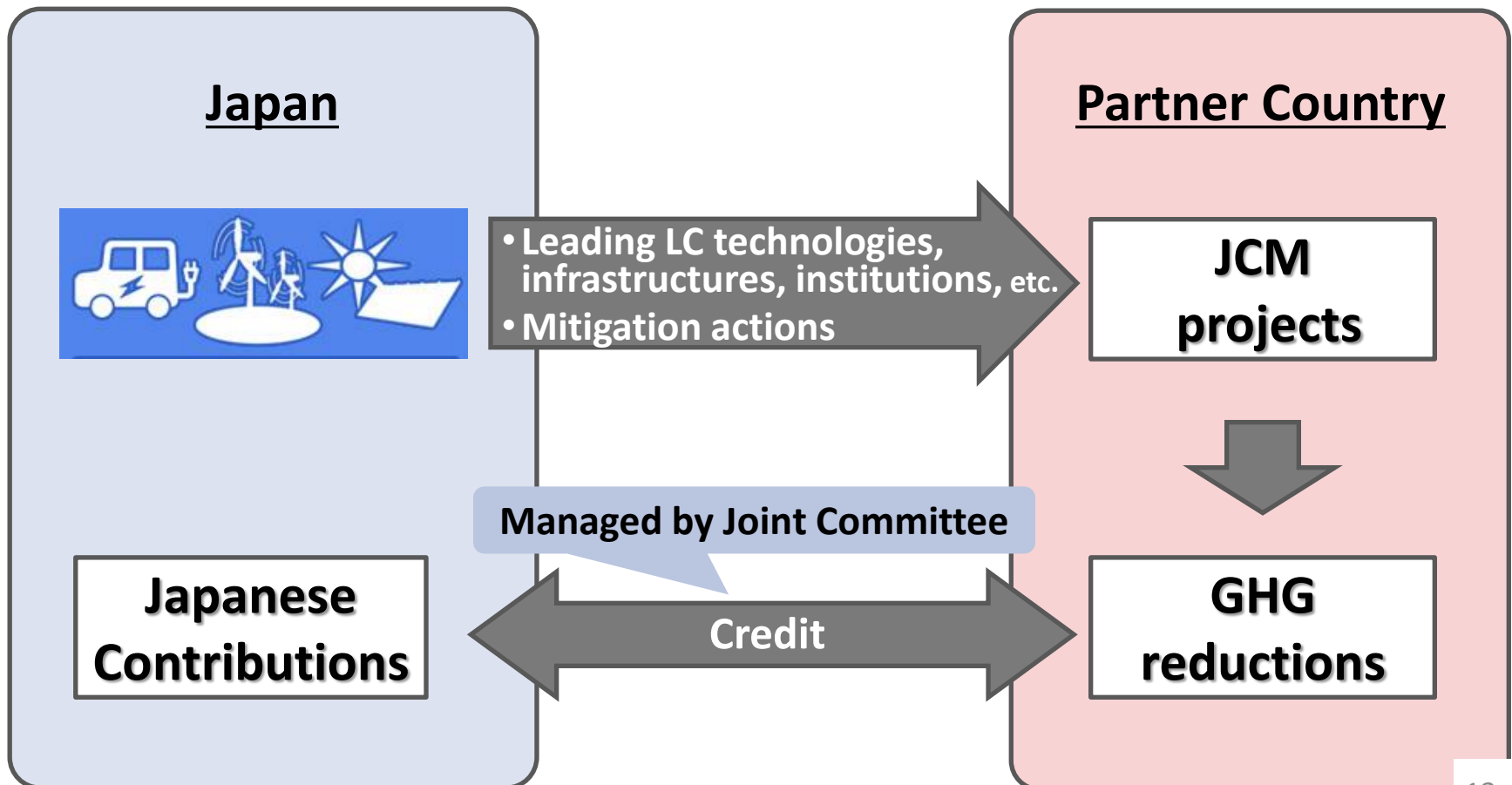


Iskandar

**Supplement information:
JCM (Joint Crediting Mechanism)**

Joint Crediting Mechanism (JCM)

- Government of Japan has proposed JCM which aims to facilitate mitigation actions, and contributes to sustainable development in partner countries.
- LCSR is one of the projects supported by MoEJ, which is expected to provide useful information to enhance and diffuse JCM scheme to developing countries.



JCM Partner Countries

- Japan has established the JCM with 16 countries (Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Vietnam, Lao PDR, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar and Thailand), and seven JCM projects is registered.



Mongolia
Jan. 8, 2013
(Ulaanbaatar)



Bangladesh
Mar. 19, 2013
(Dhaka)



Ethiopia
May 27, 2013
(Addis Ababa)



Kenya
Jun. 12, 2013
(Nairobi)



Maldives
Jun. 29, 2013
(Okinawa)



Viet Nam
Jul. 2, 2013
(Hanoi)



Lao PDR
Aug. 7, 2013
(Vientiane)



Indonesia
Aug. 26, 2013
(Jakarta)



Costa Rica
Dec. 9, 2013
(Tokyo)



Palau
Jan. 13, 2014
(Ngerulmud)



Cambodia
Apr. 11, 2014
(Phnom Penh)



Mexico
Jul. 25, 2014
(Mexico City)



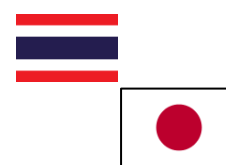
Saudi Arabia
May 13, 2015



Chile
May 26, 2015
(Santiago)

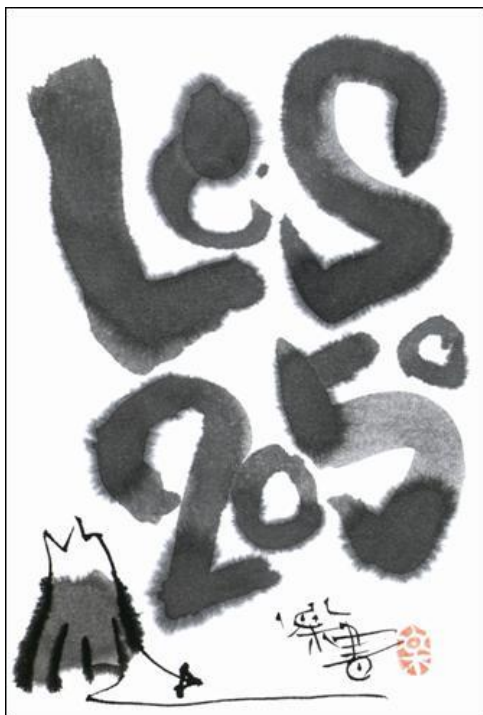


Myanmar
Sep. 16, 2015
(Nay Pyi Taw)



Thailand
Nov. 19, 2015
(Tokyo)

Thank you for your kind attention



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