



**Asia-Pacific
Economic Cooperation**

2017/EWG/EGNRET48/007

The Dissemination Plan of Low-Carbon Model Town Project

Purpose: Information
Submitted by: Japan



**48th Expert Group on New and Renewable Energy
Technologies Meeting
Jeju, Korea
29-30 March 2017**

The Dissemination Plan of Low-Carbon Model Town (LCMT) Project

29th Mar. 2017

**Agency for Natural Resources and Energy
METI, Japan**

Today's Contents

□ Review LCMT Activities and Achievement

- Conduct Study on 6 + 1 Cities/Towns

- Outcome

- Concept, LCT Indicator

□ Dissemination project

- Study on Volunteer Cities/Towns, Using LCT-I

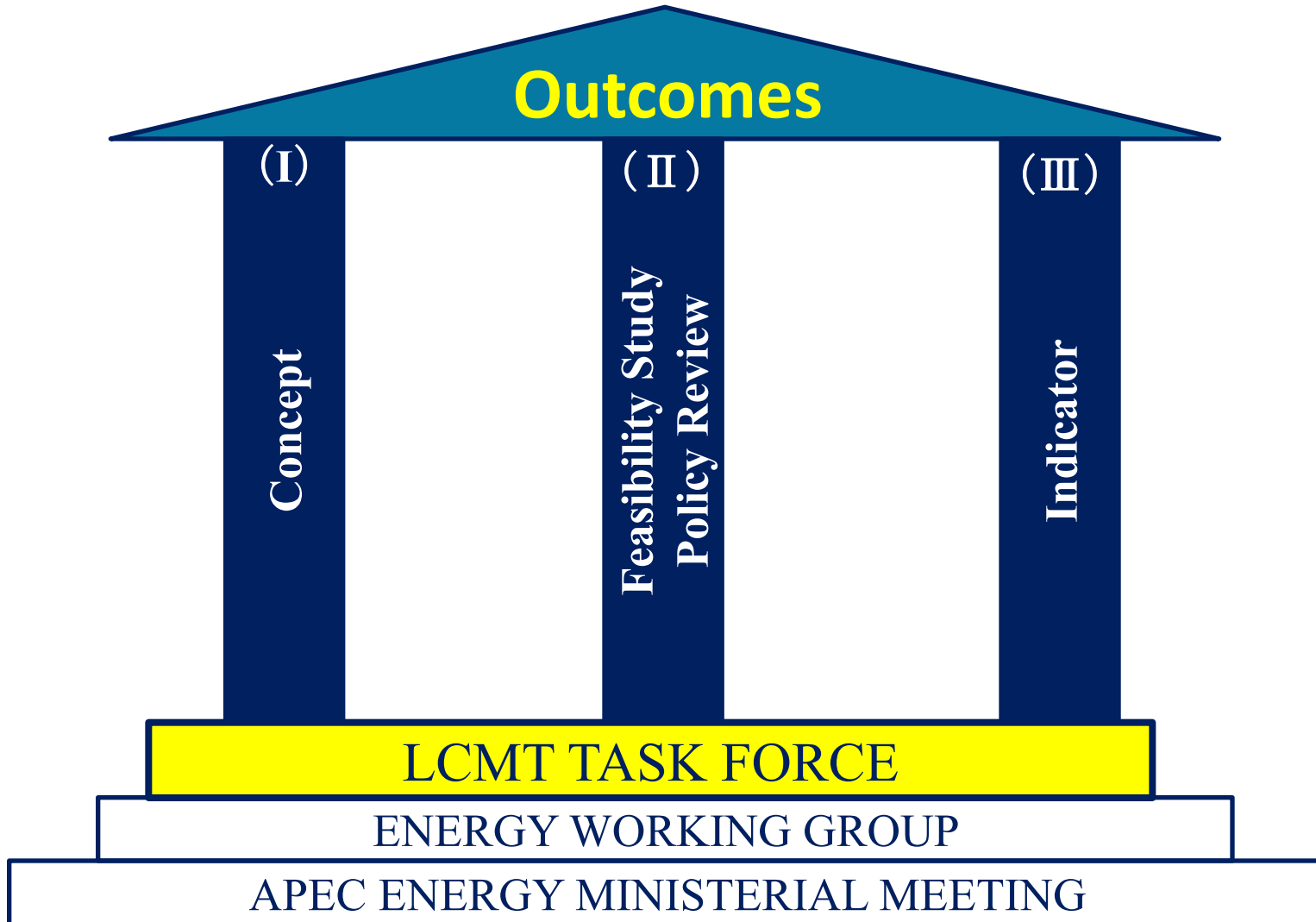
- Hold a Symposium

□ Conclusion

Declaration of the 9th APEC Energy Ministerial Meeting (Fukui, Japan, Sep. 2010)

- ❑ Establish a Task Force (LCMT-TF)
- ❑ Develop the concept of a Low Carbon Town
 - By conduct feasibility studies
- ❑ Share best practices
 - To encourage creation of low-carbon communities in urban development plans,

Three Pillars of LCMT Project



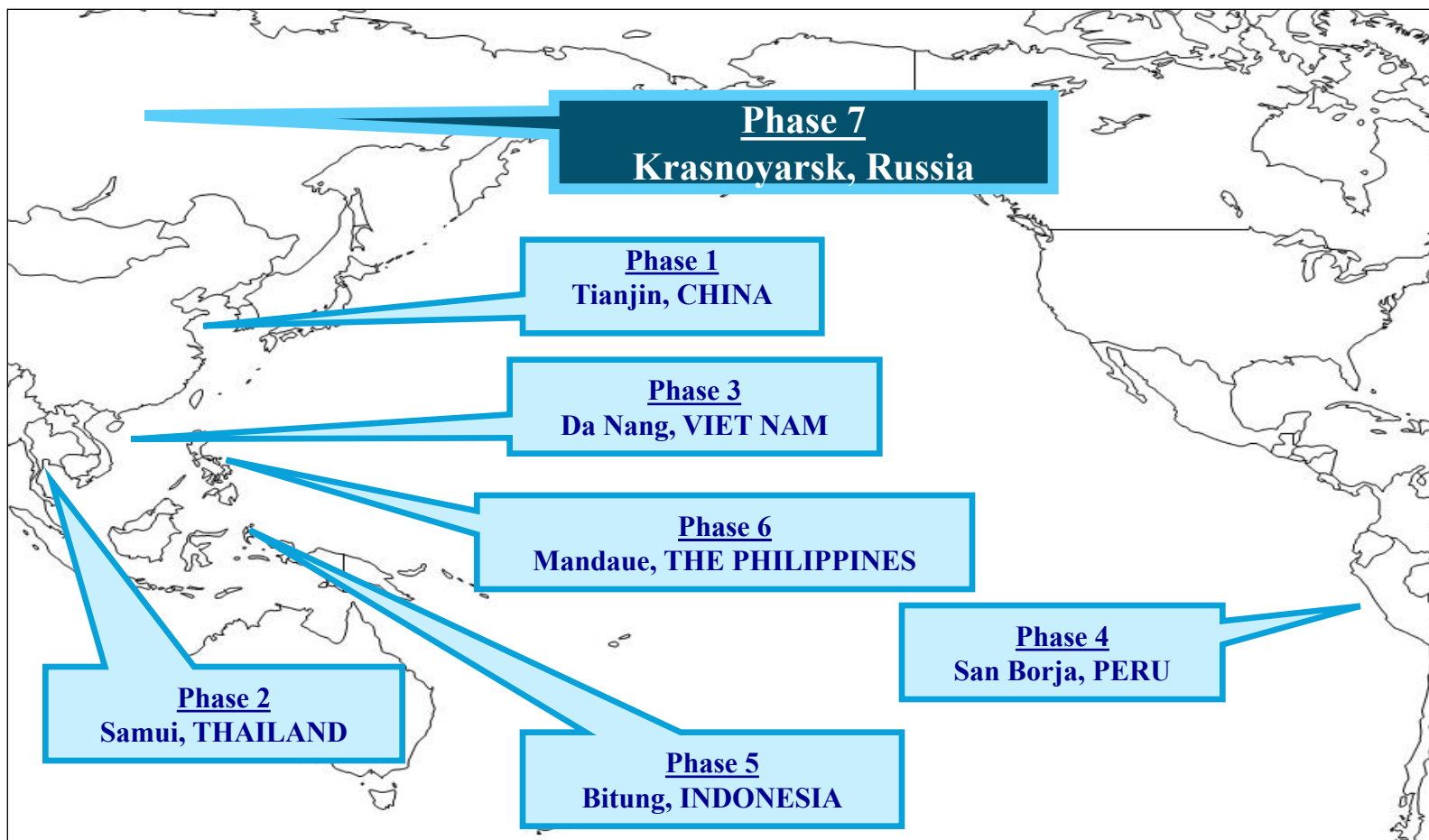
Phase1-7, APEC LCMT Project

(1) Feasibility Study (F/S)

- Develop low-carbon strategies for selected towns

(2) Policy Review

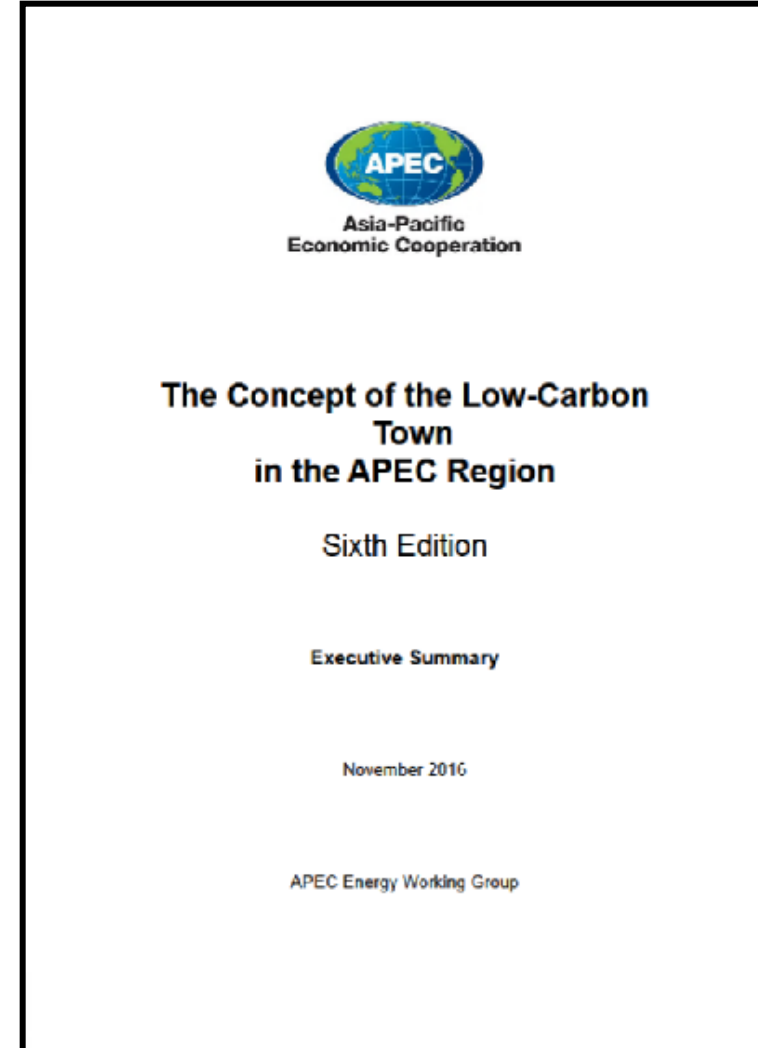
- Policy review to realize low-carbon town development conducted by experts



Achievements of LCMT Project (1)

Develop “Concept” report

- ❑ Basic idea/principles
- ❑ Effective approach
- ❑ Guidance for towns/cities



Develop “LCT-Indicator”

- A set of self-diagnostic tool
 - ❑ Simple and easy to understand
 - ❑ For government officials' use
 - ❑ More than 30 items in 5 categories

APEC Low Carbon Town-Indicator system

Image of assessment result

Overall Assessment Result

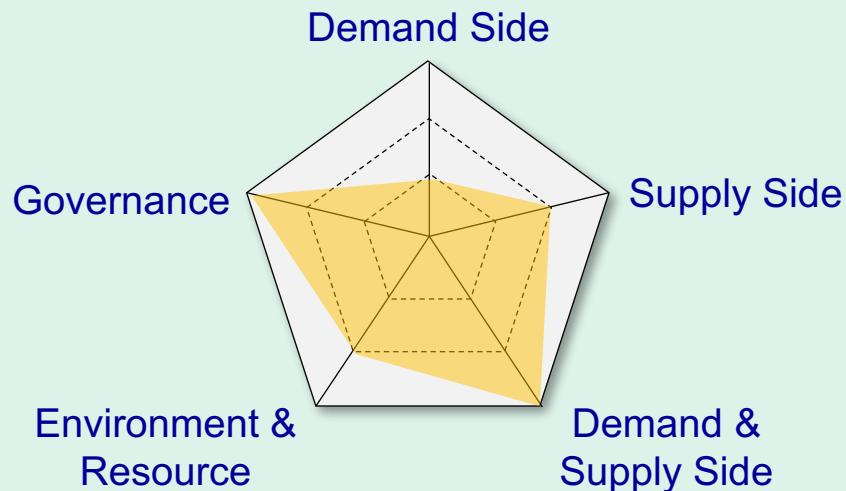
Overall Rank



Total Point
average of (1)to(15) **2.5**

CO2 Reduction
470 t-CO2/year

Radar Chart



Individual Assessment (more than 30 items)

	★	★★	★★★	★★★★	★★★★★
Required ...	████████████████████				
Optional ...	██				
Total (average)	████████████████████				

Next Stage of LCMT Project

2010-

APEC
LCMT

2017-

Enter
Next Stage

Dissemination

Instruction of the 12th APEC Energy Ministerial Meeting
(Cebu, the Philippines, Oct. 2015, Extract)

We instruct the LCMT-TF to move the current LCMT Project into the next stage in order to disseminate Low-Carbon Towns in the Asia-Pacific region.

Basic Idea for Dissemination of LCT

□ Good practice of LCT-I on Volunteer Towns/Cities

- Seek volunteer towns
 - self diagnose using LCT-I
 - Identify the study area which could be improvable
- Conduct study of the volunteer towns
- Share good practice of LCT-T among APEC region

□ Introduce knowledge of LCMT

- Share information on
 - advanced LCT projects in the world
 - the previous LCMT case towns and LCT-I volunteer towns
- Introduce “Concept” which has lots of knowledge

Transition of LCMT Project

Phase 1 – Phase 6 (2011-2016)

Refinement of the
"Concept" (including
the LCT-I System)

Feasibility Study (full scale) of
1 Case Town/ Year

Policy Review of
the Case Town

Phase 7 (July 2016 - December 2017)

Feasibility Study (full scale)
of 1 Case Town(Krasnoyarsk)

Policy Review of
the Case Town(Krasnoyarsk)

**Volunteer Towns
Nomination/Selection**

**LCMT Symposium
(Sep. 2017)**

Dissemination Phase 1* (July 2017 - December 2018)

**Feasibility Study (specific area)
of 3 Volunteer Towns**

LCMT Symposium

*Dissemination Phase 1 is now under fund-applying process for 2017 session1C

LCMT Dissemination Project

Phase 7

Volunteer Cities/Towns
Self Diagnosis Using LCT-I

Review
Team

Nomination / Selection of
Volunteer Towns

Support for
Selection

Volunteer
Town A

Volunteer
City B

Volunteer
City C

Review of the
LCT-I Evaluation
Results

LCMT Symposium (Sep. 2017)

Dissemination Phase 1*

(July 2017 - December 2018)

Feasibility Study (specific area)
of 3 Volunteer Towns

Volunteer Town A

Volunteer City B

Volunteer City C

LCMT Symposium

*Dissemination Phase 1 is now under fund-applying process for 2017 session1C

Current Situation of the Progress of Dissemination

□ Volunteer Towns

- Invite nomination on Dec. 28th, 2016
- 5 cities/towns from 3 economies nominated by Feb. 28th, 2017

□ Review Team

- Request for Nominations on Feb. 13, 2017
- Experts from HKC, Japan, Korea, Malaysia, CT, US were nominated

□ Selection of Volunteer Towns

- To be decided by TF/EWG around this spring

The 1st LCMT Symposium in Jakarta on Sep. 2017

□ Objectives

- Share information on advanced LCT projects in the world including the previous LCMT case towns in the APEC region
- Promote the use and recognition of the LCT-I System as a tool to disseminate the LCT in the APEC region
- Explore possibility of utilising the LCT-I System to develop bankable low-carbon development project in APEC developing economies
- Gather feedbacks from experts and delegates of LCT projects for the improvement of the LCT-I System

□ Speakers

- Developed APEC economy and a developed country outside the APEC region
- Financial institution (e.g. World Bank, ADB, etc.)
- LCT-I Volunteer Towns
- Review Team

□ Audience

- Welcome from whole APEC Economies

Conclusion

- **APEC Low-Carbon Model Town (LCMT) Task Force has played a important role in conducting the LCMT Project since 2010 directed by Energy Ministers.**
- **The Concept of APEC Low-Carbon Town (LCT) and the LCT Indicator have been developed through feasibility studies for wide range of towns in various economies.**
- **LCMT Project is moving to dissemination stage.**
- **Volunteer towns is expected to make good practice of LCT with review team.**
- **A symposium will be held to disseminate our knowledge and good practices among APEC region in cooperation with APEC LCMT, LCT-I volunteer towns, experts and review team.**

Thank you for your kind attention!