



METI

Ministry of Economy, Trade and Industry



Energy Working Group

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

10th Oct. 2017

Shinji ISHII

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

Today's Contents

- Review LCMT Activities and Achievement
 - ❑ Conduct Study on 6 Cities/Towns
 - ❑ Outcome
 - Concept, LCT Indicator
- Future Plan, Dissemination
 - ❑ Study on Volunteer Cities/Towns, Using LCT-I
 - ❑ Hold a Symposium
- Conclusion

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

We instruct the EWG to establish a Task Force to implement an APEC Low-Carbon Model Town Project. The Low-Carbon Model Town Task Force should develop the concept of a Low Carbon Town, conduct feasibility studies to encourage creation of low-carbon communities in urban development plans, and share best practices for making such communities a reality.

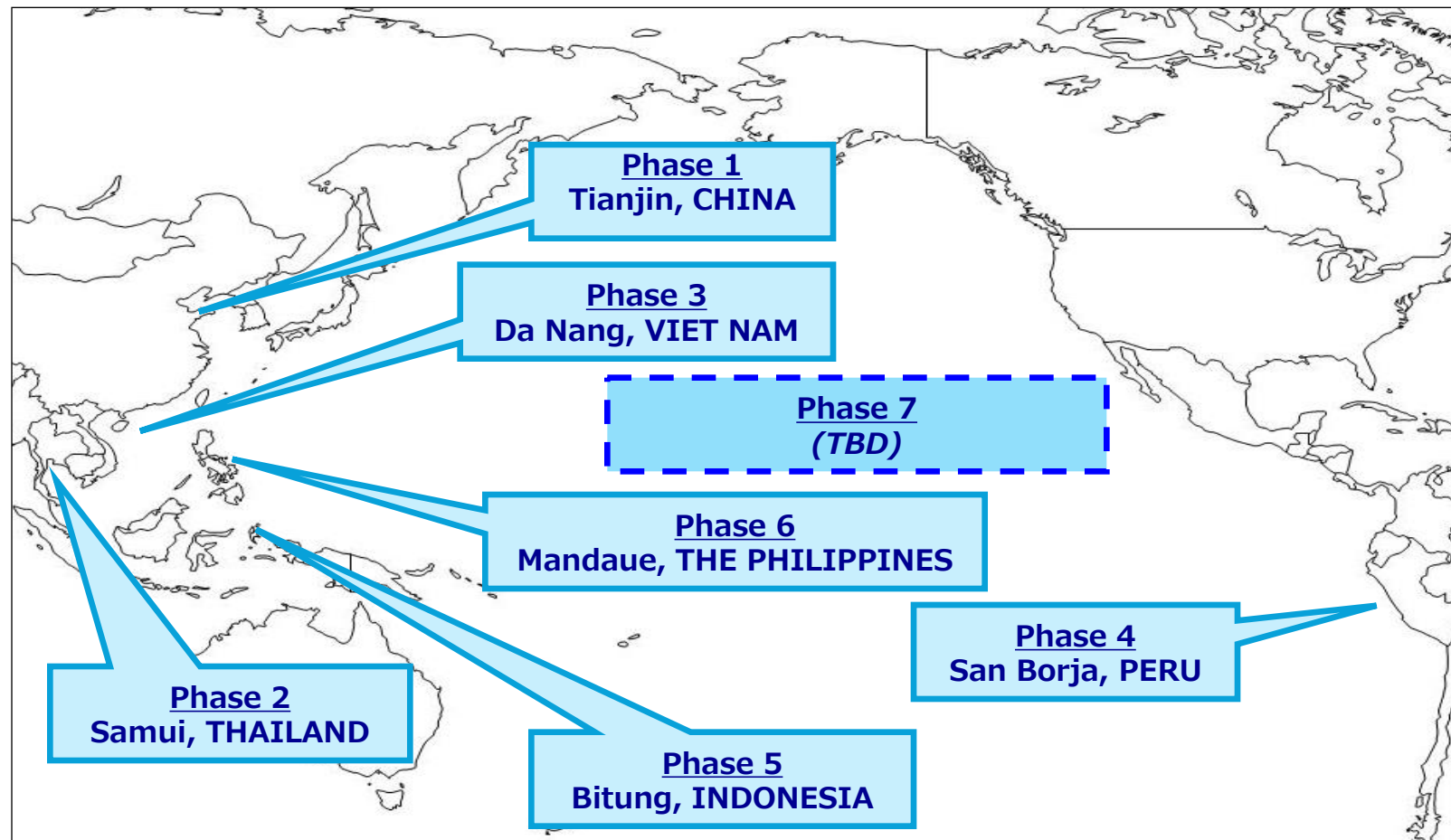
Phase1-7, APEC LCMT Project

(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



Develop “Concept” report

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



The Concept of the Low-Carbon Town in the APEC Region

Fourth Edition

November 2014

The APEC Low Carbon Model Town Task Force
APEC Energy Working Group

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

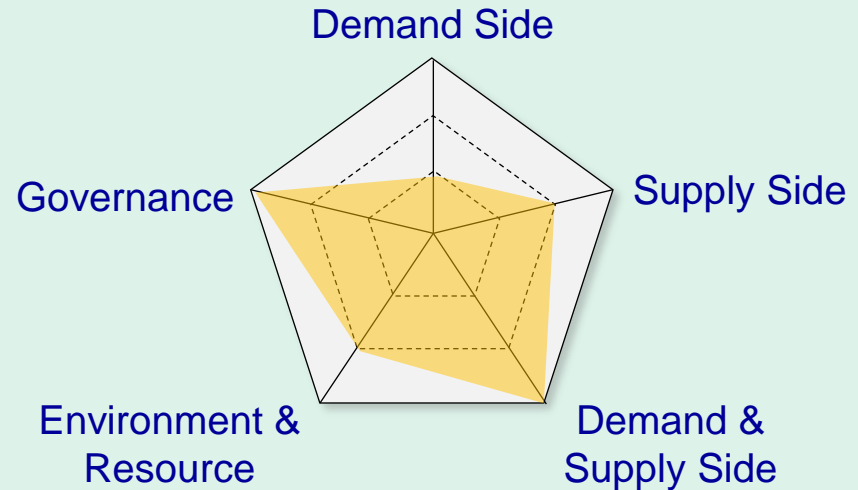
Overall Rank



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

CO2 Reduction
470 t-CO2/year

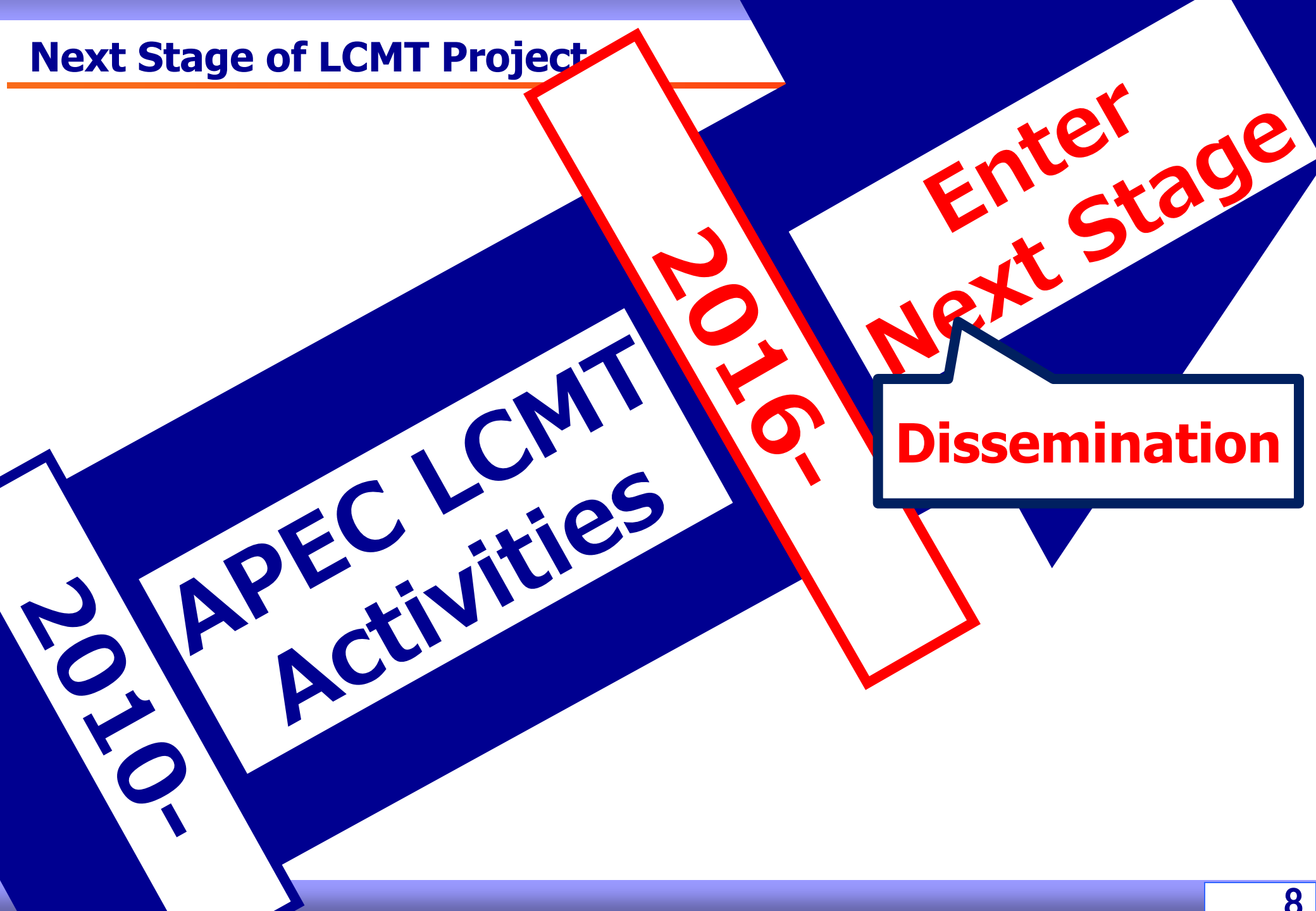
Radar Chart



Individual Assessment (more than 30 items)

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

Next Stage of LCMT Project



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.

Comments Received by EWG Members in EWG51

➤ **Future Schedule of the LCMT Project**

- ❑ Look forward to see the project in a different type of environment including cold regions (EWG Lead Shepherd)
- ❑ Expect the project to involve a broader number of towns in the dissemination stage (Program Director, APEC Secretariat)
- ❑ Need to look for more opportunities to present the achievement of the project such as international conferences to let more cities around the world understand what is really useful for their low-carbon development (EWG Lead Shepherd)

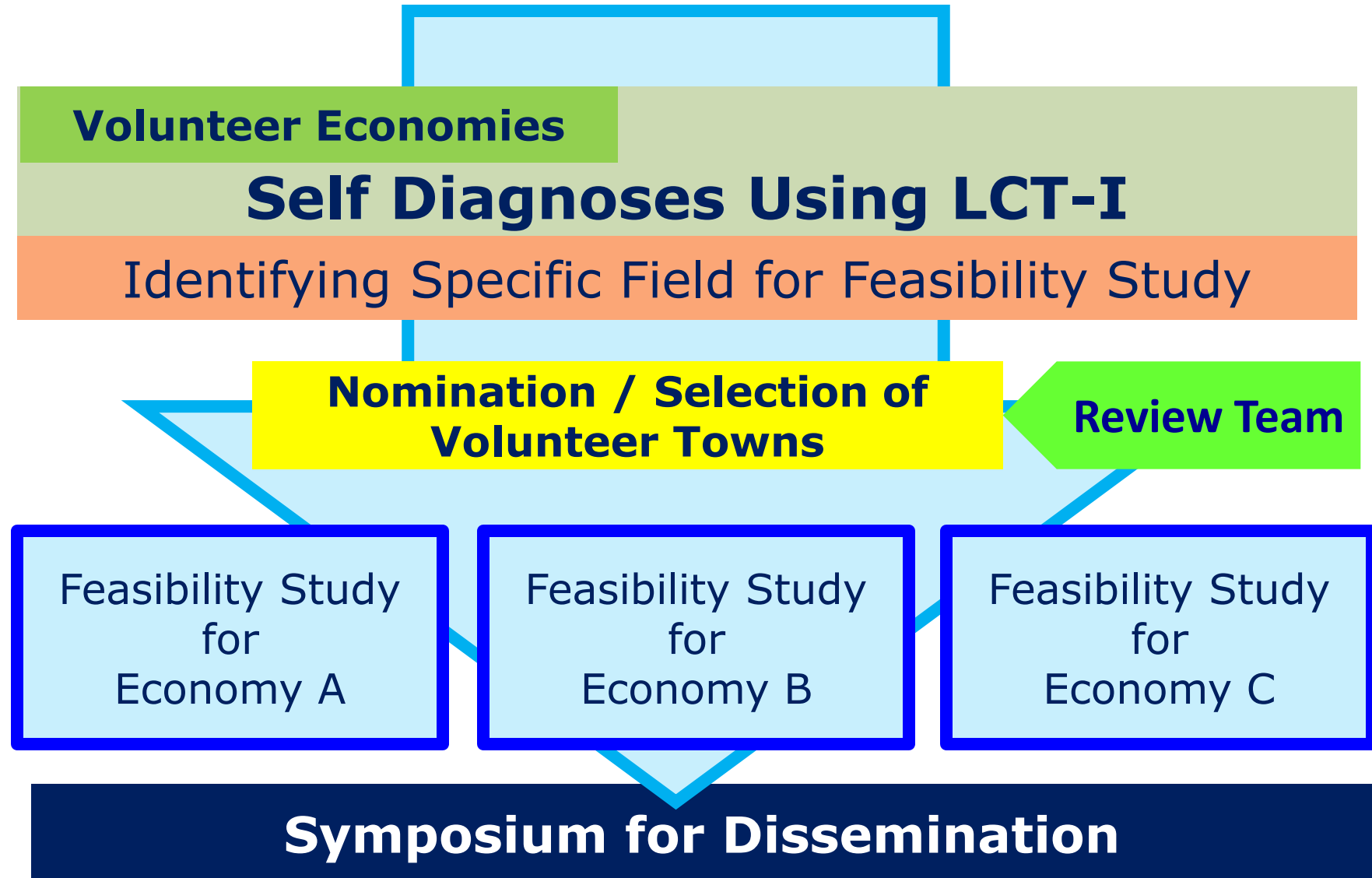
➤ **Development of the LCT-I System**

- ❑ Suggest to identify similarity and differences in the previous LCMT case towns and provide common low-carbon measures for similar towns (EGNRET Secretariat)
- ❑ Recommend to publish the achievements of the project as an education tool (EGNRET Secretariat)
- ❑ Expect the improvement of the LCT-I System as a guideline that can show the next steps for each low-carbon town (Indonesia)
- ❑ Need capacity building in data collection for the LCT-I System, especially for the calculation of CO₂ emissions reduction (EWG Lead Shepherd and Advisor of San Borja)

Basic Idea for Dissemination

- Make some good practice of LCT-I
 - ❑ Seek volunteer towns with self diagnose of LCT-I
 - ❑ Conduct Study of the volunteer towns
- Introduce knowledge of LCMT
 - ❑ Introduce good practice of LCT-I
 - ❑ Introduce “Concept”

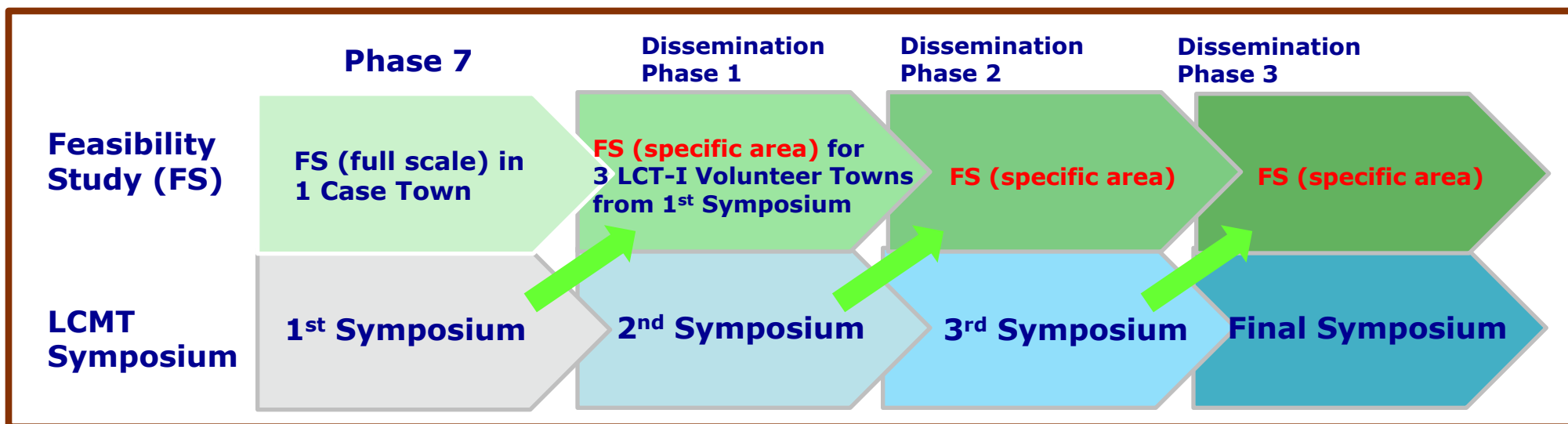
To Introduce Best Practice of LCT-I



F/S of the Dissemination Project of LCT-I

When necessary budget is approved in Dissemination Phase 1

- Carry out **in-depth Feasibility Study** for the 3 LCT-I volunteer towns in **the specific areas** identified as improvable.
- Select 1 consulting firm to conduct Feasibility Study in the 3 LCT-I volunteer towns
- Volunteer cities/towns are **requested it to report the Symposium**
- Request the 3 LCT-I volunteer towns and the contracted consultant to report the results of in-depth F/S at the LCMT TF Meetings to be held in conjunction with EWG Meetings



LCMT Symposium

➤ 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

- ❑ Whole APEC Economies

Conclusion

LCMT project will move into dissemination stage!

- APEC Low-Carbon Model Town (LCMT) Task Force has played a pivotal role in conducting the LCMT Project since 2010 directed by Energy Ministers.
- A wide range of towns in various economies have been dealt with through the F/S. The Concept of APEC Low-Carbon Town (LCT) and the LCT Indicator will be finalized this year, right after the EWG52.
- Based on the experience so far, the LCMT Project will move to a dissemination stage. Japan submitted CN of Dissemination Phase, which will start 2017.
- We Seek volunteer towns to make a good practice of LCT, and we will hold a symposium to disseminate our knowledge to APEC region in cooperation with APEC LCMT, LCT-I volunteer towns, experts, review team

Thank you for your kind attention!