

# APEC Low-Carbon Model Town Project Wrap-up Symposium

The 62<sup>nd</sup> Meeting of the APEC Energy Working Group (EWG)  
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# About the APEC LCMT Project

## LCMT Phase 1-7

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

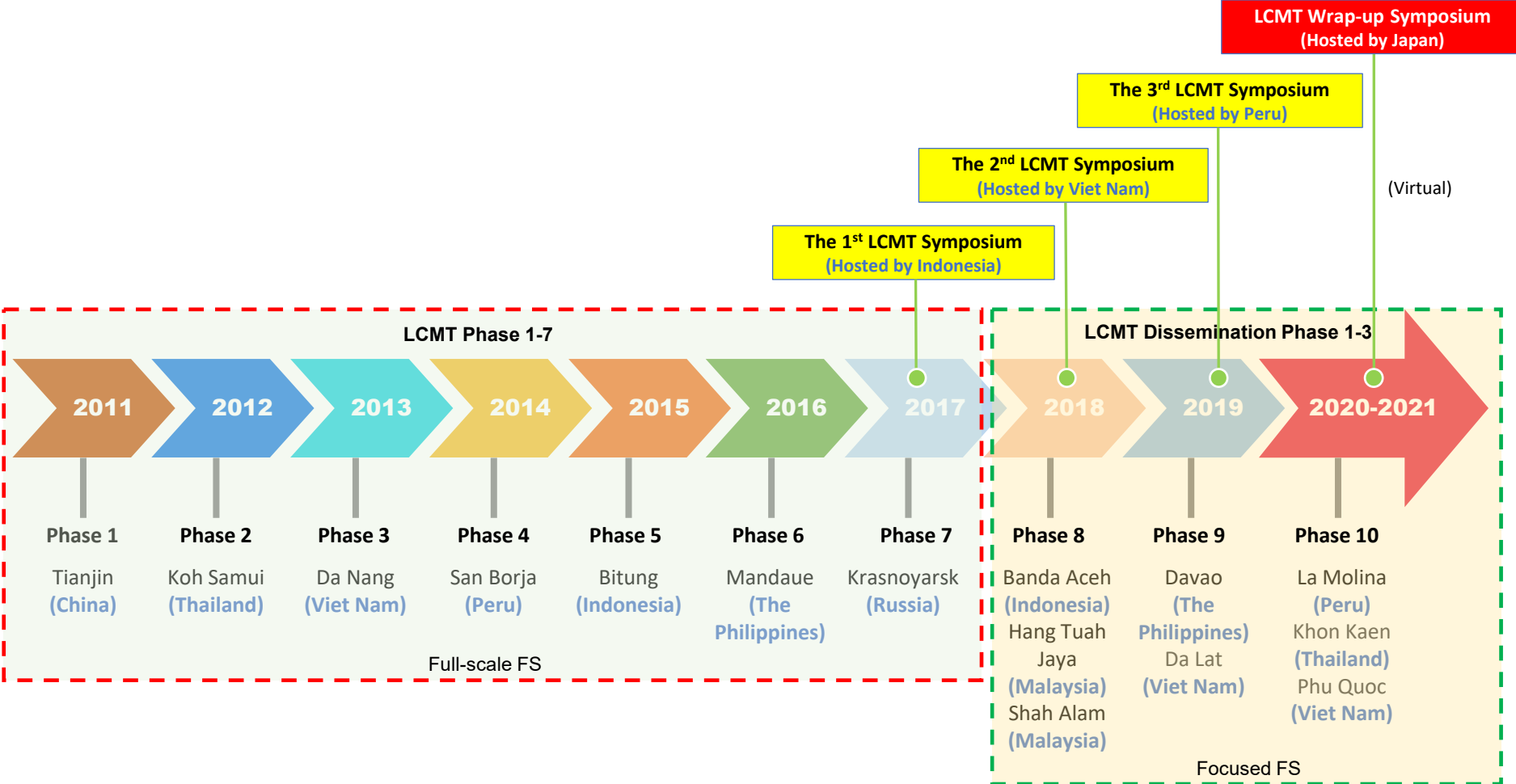
## LCMT Dissemination Phase 1-3

Instructions from APEC Energy Ministers  
the 12th APEC Energy Ministerial Meeting  
(Cebu, the Philippines, Oct. 2015)

1. Development of “The Concept of the Low-Carbon Town in the APEC Region (The Concept)” and the “APEC Low-Carbon Town Indicator (LCT-I) System”
  - The Concept provides a basic idea of a low-carbon town and an effective approach to its development.
  - The LCT-I System, developed based upon the Concept, is a self-assessment tool to assess and monitor the progress of each LCT development project.
2. Feasibility studies for seven case towns, each in a different APEC economy with different characteristics in urban development.
3. Policy reviews for seven case towns.

1. To disseminate the basic ideas and effective approaches of the Concept through utilizing the LCT-I System, which helps evaluate the progress and status of low-carbon development of various areas in the APEC region.
2. To provide Feasibility Studies of a specified area of low-carbon development projects selected as the LCT-I volunteer towns in the LCMT Project and identify how to improve the low-carbon development plans through the Feasibility Studies.
3. To share best practices and real-world experiences of LCT design with planners and policymakers throughout the APEC region.

# APEC LCMT project milestones



# Details of the event

## 1. Objectives

- To wrap-up activities which have been implemented in the APEC LCMT project over last 10 years.
- To share the lessons learnt on low-carbon development throughout the APEC region.
- To reinforce the existing LCMT network in the APEC region.

## 2. Time and venue

- 10 September 2021
- Online

## 3. Name of event

- APEC Low-Carbon Model Town Project Wrap-up Symposium

## 4. Organizer

- The Asia Pacific Energy Research Centre (APERC)

## 5. Participants

- 79 in total, from 14 economies

# Key points

- ❖ Opening remarks
- ❖ APEC LCMT project development
  - The LCMT concept and the LCT-indicator system have been developed.
  - 15 full-scale and focused feasibility studies have been conducted.
  - Four LCMT symposiums were carried out successfully.
- ❖ Brief reports on LCMT from 15 participating towns
  - All the participating towns recognize that LCMT project and LCT-I system are useful. They created concrete roadmaps to reduce CO<sub>2</sub> emission to 2030. Especially, Hang Tuah Jaya city plans to reach Net-zero carbon city by 2050.
  - They have learned the methodologies of fact finding, identifying the priority areas, and systematic planning from the LCMT project.
  - Several towns show main obstacles for achieving CO<sub>2</sub> emission reduction target (include technology, budget, international investment and governmental policies).
  - Complex interactions between city, provincial and national governments.
  - Limited resources, local capabilities and funding/finance for city governments, planning and implementation.
  - Changing city leaders and staff lead to changing priorities

# Key points (cont.)

- ❖ Introduction of low-carbon town development in Japan
  - Introduce a video of Keihanna Smart City.
  - Introduce measures to reduce CO<sub>2</sub> emission from fossil fuel consuming plants in Japan (CCUS and Bio Refinery).
- ❖ Comments from experts
  - LCMTs are important demonstration sites to achieve the target of net zero carbon emission.
  - Need to revise “the LCMT concept” and “the LCT-I system”.
  - Upgrade from “Low Carbon Town” to “Zero Carbon Town”.
  - Cities need support, training to implement and regularly repeat LCT-I assessment and track progress.
  - LCT-I competes with many other rating systems
- ❖ Closing remarks.

# Photos





**Thank you for your kind attention.**

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