



# EWG10 2021A

## Achieving Carbon Neutrality through Bio-Circular-Green Economy Principle in APEC Region



**Munlika SOMPRANON**

Department of Alternative Energy Development and Efficiency (DEDE)  
munlika\_s@dede.go.th

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# EWG 10 2021A | Achieving Carbon Neutrality through BCG Model

## Objectives

- To review methodology and framework of carbon neutral plan from all around the world especially APEC economies on power, transport, and buildings sectors
- To share best practices and lessons learned on carbon neutral policy formulation under Bio-Circular-Green (BCG) Economy Principle
- To build capacity on carbon neutral policy formulation with balanced integration of RE/EE technologies and regulation with an aim to have one APEC economy as case study.

**Duration:** 1 June 2022 – 31 July 2023 (after revision to hold workshop in Hawaii instead of Tokyo)

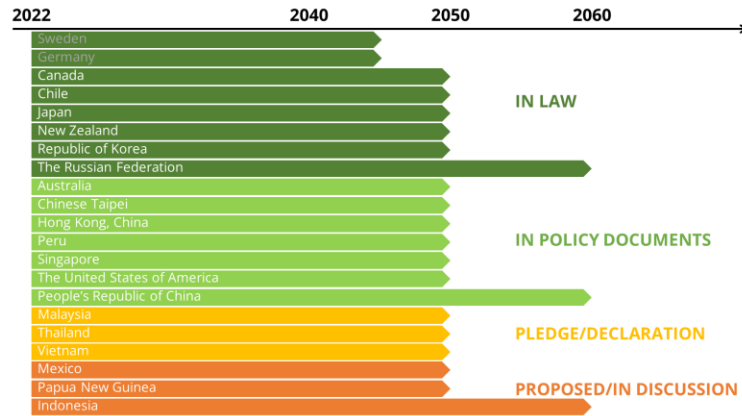
**Co-sponsoring Economies:** People's Republic of China; Hong Kong, China; Japan; Malaysia; Chinese Taipei; The United States; Viet Nam

## Activities Conducted & Planned

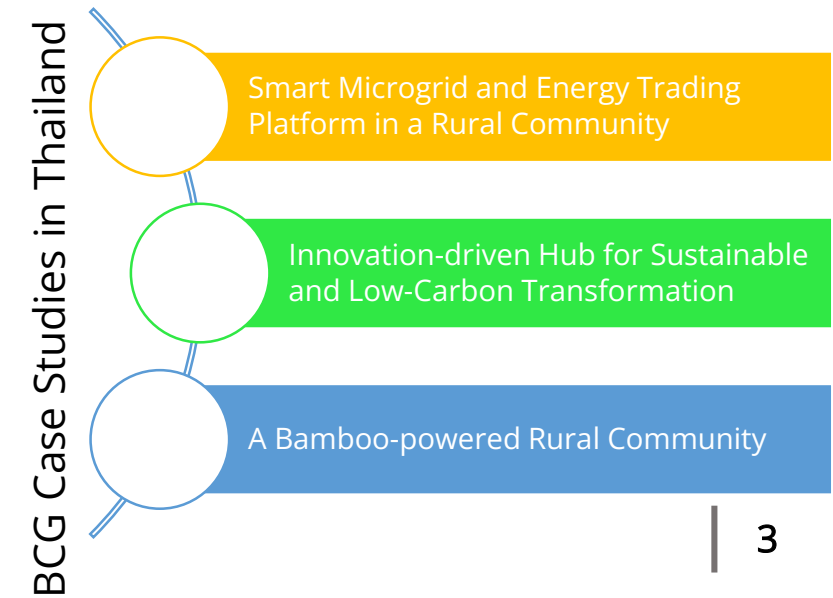
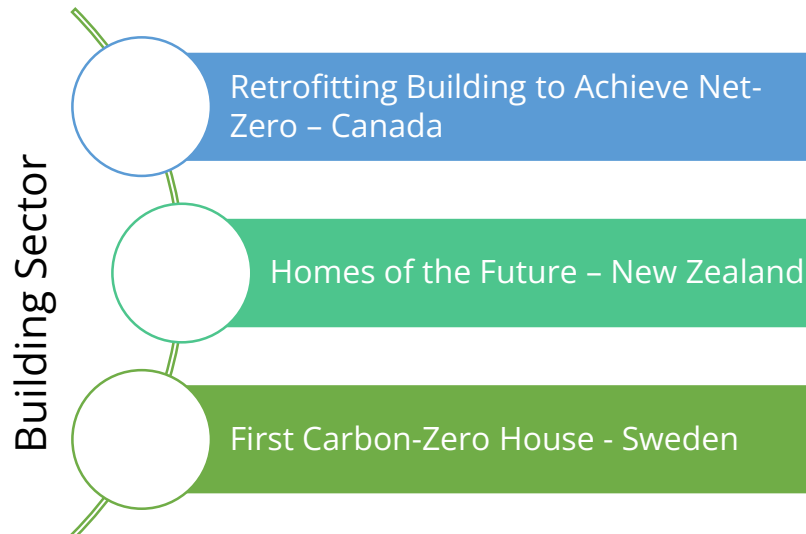
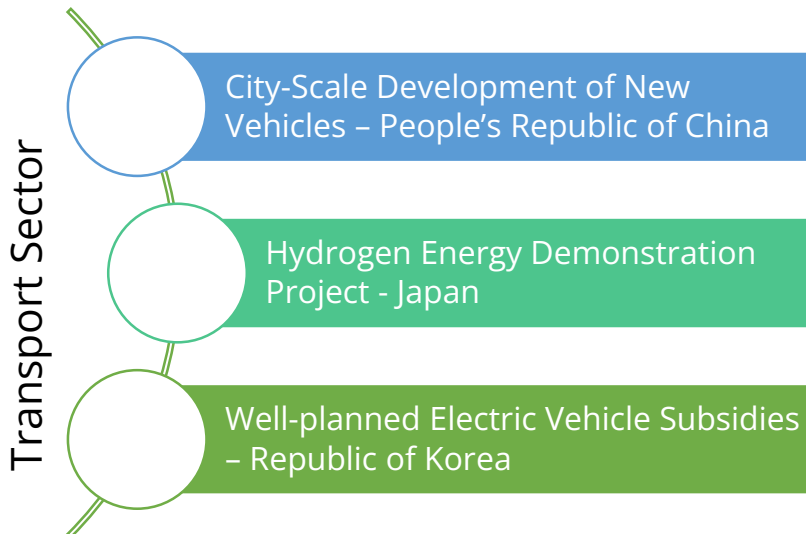
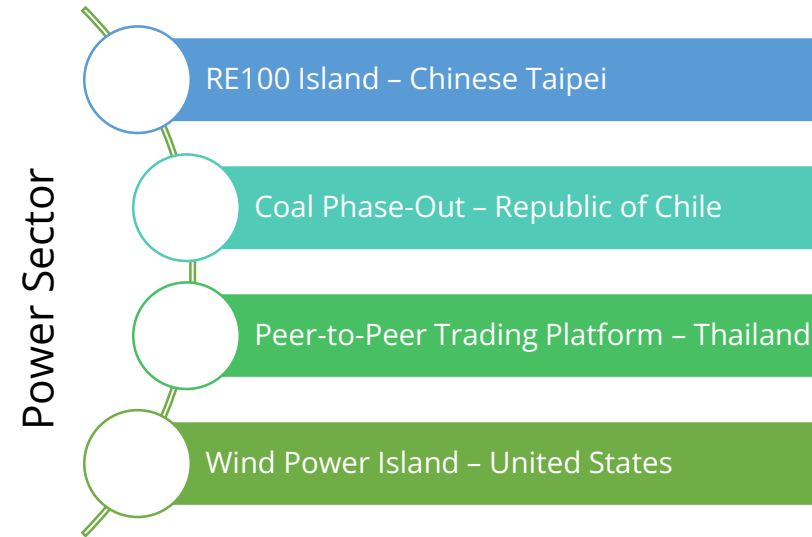
- **Nov 2022-Feb 2023:** Documentation studies on
  - ✓ Carbon neutral policy especially on **power, transport and building sectors** with case studies from APEC economies in conjunction with Bio-Circular-Green (BCG) Economy Model.
  - ✓ Selected **low-carbon technologies** with corresponding **policy mechanism** toward carbon neutral goal
- **6-7 Apr 2023:** Prepare and organize 2-day Workshop in **Hawaii** (with joint EGNRET58-EGEDA35 meeting)
  - ✓ Share best practice on policy formation
  - ✓ Build capacity & promote policy dialogues among APEC economies
- **July 2023:** Final Report with Policy Recommendation on achieving carbon neutrality through Bio-Circular-Green (BCG) Economy Model

# EWG 10 2021A

## Identification of Case Studies from APEC & non-APEC



Focusing on top-runner Economies



# EWG 10 2021A | Analysis and Next Step

## Identifying Steps towards Carbon Neutrality: A Case Study of Thailand

- Identifying **general steps** to drive an economy towards carbon neutrality based on desk study
- Evaluating **potential contribution** of each policy action to emission reduction
- **Gap analysis** based on Thailand's current status and sectoral goals
- Consideration of **emission reduction potential** of the combinations of **promising policy actions** in power generation, transport, and building sectors
- **Quantitative analysis** of emission reduction attributed to implementation of **selected policy actions**

## Next Step



**Asia-Pacific  
Economic Cooperation**

**GENERAL INFORMATION  
CIRCULAR**

APEC Workshop on Achieving Carbon Neutrality through  
Bio-Circular-Green Economy Principle in APEC Region  
(EWG 10 2021A)

6-7 April 2023

**Organizer:** Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy, Thailand in collaboration with the National Energy Technology Center (ENTEC), National Science and Technology Development Agency (NSTDA), Thailand and Hawaii Natural Energy Institute (HNEI), USA

**Event held under APEC Project:** Achieving Carbon Neutrality through Bio-Circular-Green Economy Principle in APEC Region (EWG 10 2021A)

**Sponsoring Economy / Project Overseer:** Thailand / Mrs. Munlika Sompranon

**Co-sponsoring APEC economies:** People's Republic of China; Hong Kong, China; Japan; Malaysia; Chinese Taipei; The United States; Viet Nam

**Funded by APEC Support Fund (ASF) Sub-Fund:** Energy Efficiency and Low Carbon Resiliency Measures (EELCER)

Thank You

**Munika SOMPRANON**

Department of Alternative Energy Development and Efficiency (DEDE)  
munika\_s@dede.go.th