



Asia-Pacific
Economic Cooperation



經濟部能源署
Energy Administration,
Ministry of Economic Affairs

Project Updates CHINESE TAIPEI

APEC EGNRET 62

10 April 2025 Hong Kong, China

Chinese TAIPEI

■ Completed project

EWG 13 2021A: The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms

■ On-going Project

EWG 103 2024A: Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region (S1, 2024)



Completed project

EWG 13 2021A

**The Legislation Recommendation and Promotion of
Multifunctional Ocean Space Usage:
Combine Floating PV Installations at Offshore Wind Farms**

Co-sponsoring economies:

Australia; Japan; Thailand; USA

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Objectives

- To build the capacity of participants through workshops which supports the “multi-functional usage in ocean space”.
- To produces legislation recommendation for further developing energy security in line with the objectives of the APEC Leaders Meeting in Kuala Lumpur in 2020.
- To collaborate for affordable energy facility and energy security enhancement through the application of various technologies on sustainable economic growth.



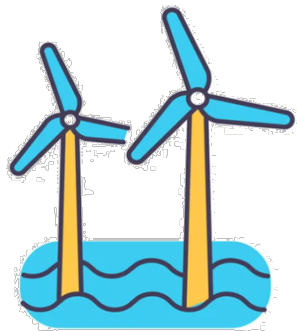
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Workshop

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions

20 - 21 February 2024 Taichung, Chinese Taipei

Gender	Number	Ratio
Male	33	58%
Female	24	42%
Total	57	100%



Speaker	Number	Ratio
Male	5	50%
Female	5	50%
Total	10	100%

	Economies	Attendee
1	Australia	1
2	Chilie	1
3	Indonesia	8
4	Malaysia	3
5	Peru	2
6	Philippines	3
7	Chinese Taipei	14
8	Thailand	7
9	United States	1
10	Viet Nam	3
11	Non-APEC	14
	Total	57

Workshop

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions



Workshop

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions

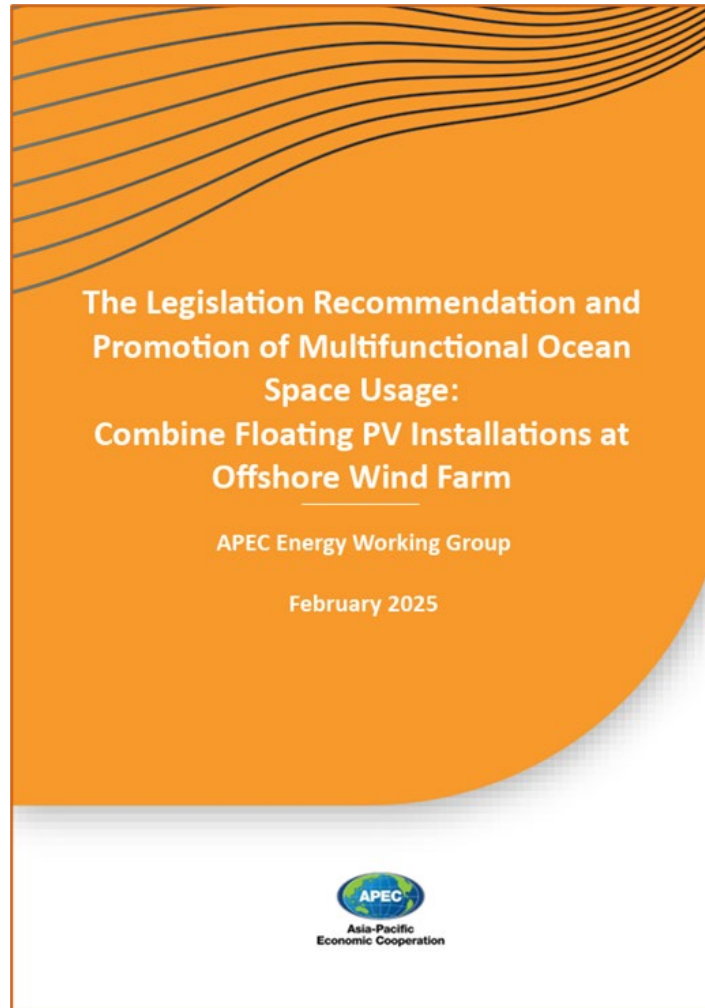
Site Visit



Project Findings

- This study shows the legal nature of the permits given to the user on the assigned offshore wind farm ocean space is an exclusive right, equal to the “Right in Rem of Real Property”.
- The offshore wind farm user shall apply for different permits to use the ocean spaces from authorized assigned agencies when combining different renewable energy facilities in the ocean area.
- The permit application shall be given after the offshore space user completes the environmental impact assessment review.
- The exclusive right on the ocean space permits will cause legal conflict with the current fishing permits.

Publication



The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms

Published Date	February 2025
Type of Publication	Reports
Publication Under	SOM Steering Committee on Economic and Technical Cooperation (SCE), Energy Working Group (EWG)
Accessed	195
Pages	182

<https://www.apec.org/publications/2025/02/the-legislation-recommendation-and-promotion-of-multifunctional-ocean-space-usage--combine-floating-pv-installations-at-offshore-wind-farms>

On-going Project

EWG 103 2024A

**Benchmark of Facilitated Actions to Fulfill the Energy
Efficiency Benefit of AMI in the APEC Region**

Co-sponsoring economies:

Chile, Philippines, USA, Viet Nam

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Project Introduction

Literature suggested that only metering hardware replacement won't promise the benefits such as behavior change, power conservation, and energy efficiency we expected from AMI (advanced metering infrastructure).

- This project seeks to identify effective AMI facilitated actions and functions to provide APEC policymakers with guidance on valuable complementary measures that can be implemented alongside AMI deployment to fully realize its intended benefits and capabilities
- Facilitated actions could include consumer education during smart meter deployment, innovative applications leveraging high-resolution consumption data, and strategies for creating accessible, value-added meter data services that reveal consumption patterns, enable demand response, and support grid optimization.

Objectives

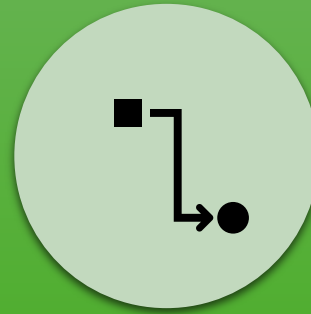
1. Offer a facilitated list of actions for economies implementing AMI, particularly in the early stages, to maximize the benefits of AMI adoption in the APEC region.
2. Emphasize improving behavior feedback, such as modifying the volume or timing of energy consumption, to reduce energy intensity or enhance energy efficiency across APEC economies.
3. Conduct a real-case survey on early adopters of AMI within the APEC region, supplemented by a comprehensive review of relevant literature for follower members.

Methodology



Literature review

- Report, Policies and News
- CBA reports



Sorting the benefit of AMI

- Spec of AMI → AMI Functions
→ Benefits
 - Facilitating measures



Expert insight acquisition

- Interviews, questionnaires, and workshops

Expected Outcome

- Increase member economies' knowledge that some important AMI benefits won't occur automatically with the installation of AMI and need to be accompanied by an action plan.
- Increased awareness of the importance of solutions and actions necessary to achieve benefits, such as energy conservation and enhanced energy efficiency, for both energy suppliers and users."



Current Progress

- Project confirmed in Jan 2025
- LOA contracted on 15 Jan 2025
- ToR of Contract submitted
- Contract to contractor is under evaluation



Thank you very much for your attention.

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