

APEC Expert Group on  
New and Renewable Energy Technologies



Asia-Pacific  
Economic Cooperation

**EGNRET**

# EGNRET Updates

**EGNRET Chair**

**Dr. Chi-Wen Liao**

**EGNRET 61 Meeting**

**(Virtual Meeting)**

**Hosted by Chinese Taipei**

**January 16, 2025**



**Asia-Pacific  
Economic Cooperation**

# Outline

- 1. EGNRET 60 Meeting**
- 2. EWG 68 Meeting**
- 3. EGNRET Project Updates**
- 4. 2024 Fora Collaborations**

# EGNRET 60 Meeting

- Host Economy: Chinese Taipei
- Date: April 24-25, 2024
- Location: Kaohsiung, Chinese Taipei
- Format: Hybrid Meeting



11

Participating  
Economies

Canada; Hong Kong, China; Japan; Republic of Korea; Malaysia; The Philippines; Russia; Chinese Taipei; Thailand; The United States; Viet Nam.

7

APEC Fora

APEC Secretariat; EWG; EGEEEC; EGCFE; EGEDA; APERC; APSEC

2

Non-APEC  
Organizations

IEA; IRENA



# Weekly Schedule

April 23  
Tuesday

April 24  
Wednesday

April 25  
Thursday

April 26  
Friday

APERC Clean Hydrogen  
Workshop associated with  
EGNRET 60 Meeting

EGNRET 60 Meeting

EGNRET 60 Meeting

Technical Site Visit



APERC Clean Hydrogen Workshop associated with the EGNRET 60 Meeting

## Theme

### *Policy Making and Technologies Deployment of New and Renewable Energy to Achieve APEC Doubling Goal*

- Hong Kong, China; Japan; Republic of Korea; The Philippines; Russia; Chinese Taipei; Thailand; The United States; Viet Nam shared policies, strategies, and plans in NRE.



## Highlights

## Potential Approaches to Increase RE Capacity

- **EWG encouraged members to submit new projects demonstrating support for 2023 APEC Leaders' Declaration to pursuing and encouraging efforts to triple RE capacity globally by 2030.**
- **APEREC shared the progress of APEC energy goals and RE production in APEC region.**
- **IEA elaborated that increased efforts and improved policies are required to push renewables to be on track with the tripling pledge.**



## Highlights

### Green and Low-Carbon Hydrogen

- **Members shared hydrogen policies, strategies, and technology applications to support energy transition.**
- **EWG shared that policy guidance for developing a green and low-carbon hydrogen policy framework will be drafted in EWG and presented to Energy Ministers for endorsement before 14<sup>th</sup> EMM.**
- **IRENA shared green hydrogen value chain, challenges of green hydrogen production, and key actions to foster green hydrogen trade.**

## Discussion

### Cross-Fora Collaborations

- Collaborate on a work plan to contribute expert support for hydrogen issues.
- New projects can be linked to more Expert Groups to facilitate further benefits.
- Collaborate with other APEC fora that share the same missions or goals to share experiences related to EWG and EGNRET issues.
- Collaborate on capacity building workshops alongside Expert Groups' meetings to enhance the capacity building for energy transition.
- Energy storage, CCUS and ammonia, and RE on emission reduction can be potential collaborative topics.
- Expert Groups can hold joint forums to share real-world experiences.
- Include lessons learned on specific technologies for energy transition in future meetings.



# EWG Meeting

## EWG 68

- **Host Economy: Peru**
- **Date: August 12 to August 13, 2024**
- **Location: Lima, Peru**



Source: APEC Perú Flickr

➤ EGNRET Chair reported EGNRET 60 Meeting outcomes and updates.

# Project Updates

## ■ Update as of December, 2024

Status	Projects
Concept Note	0
Project Proposal	0
Project in Implementation	14
Completion since EGNRET 60 (April 24-25, 2024)	2

# Project Updates (as of December 2024)



## Projects In Implementation (1) :

Economy	Project No.	Project Title
<b>Chile</b>	EWG_106_2024A	Floating Offshore Wind Farms development in APEC economies for both electricity and green hydrogen production
	EWG_206_2023A	Conversion of coal-fired power plants using Energy Storage System: experiences, challenges, and opportunities
<b>Hong Kong, China</b>	EWG 01 2023A	Promoting Digital Solar Resource Maps and Management Technologies in Advancing Renewables Growth in APEC
<b>Japan (Self-Funded)</b>	EWG 03 2023S	21 <sup>st</sup> APEC Workshop on Energy Statistics: New Energy Technologies Data and Statistics
	EWG 02 2023S	APEC Peer Review on Low-Carbon Energy Policies (PRLCE) Phase 5
<b>Korea</b>	EWG_201_2023A	Promoting APEC cooperation for Seaweed-Based Sustainable Bioenergy Production
<b>Malaysia</b>	EWG_201_2024	APEC Symposium on Energy Transition: Batteries, Fuel Cells, and Electric Vehicles

# Project Updates (as of December 2024)



## Projects In Implementation (2):

Economy	Project No.	Project Title
Thailand	EWG_208_2024	Promotion and Development of Biogas Technology and Biogas Inventory in the Livestock Farm among APEC Economies
	EWG_207_2024	Enhancing Climate Change Adaptability and Resilience of Energy Infrastructure toward Carbon Neutrality Using Renewable Energy Scheme
Chinese Taipei	EWG_103_2024A	Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region
Viet Nam	EWG_102_2024A	APEC Workshop on Promoting Energy Efficiency in the Manufacturing Sector
	EWG_203_2023A	APEC Workshop on Promoting Biomass Energy for Rural and Remote Area Development
	ATC 02 2023A	Promoting APEC Cooperation for Sustainable Biomass Energy from Agriculture Wastes
	EWG_204_2024	APEC Workshop on Promoting Sustainable Energy Development in Garment and Textile Industry

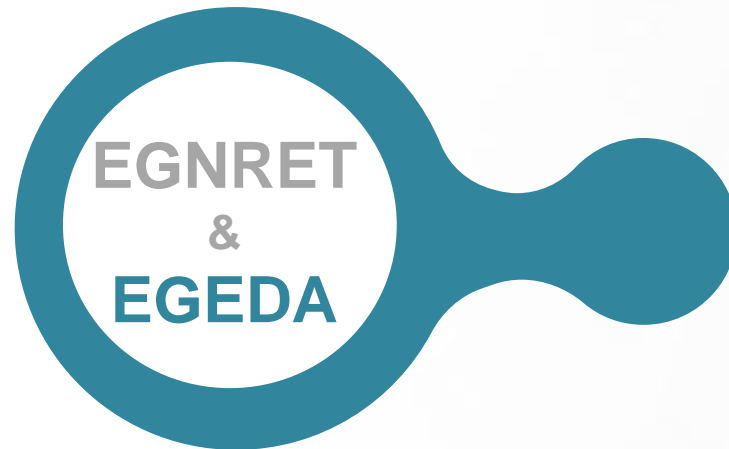


# Project Updates (as December 2024)

## Completed projects since EGNRET 60 (2) :

Economy	Project No.	Project Title
<b>Chinese Taipei</b>	EWG 13 2021A	The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms
<b>Viet Nam</b>	EWG 02 2023A	APEC Workshop on Promoting Technology to Contribute to Sustainable Energy Transition

# 2024 Fora Collaboration



## Participating EGEDA 35 Meeting

Date: 17-18 January, 2024  
Location: Hong Kong, China

Sharing EGNRET's updates



## APERC Workshop Clean Hydrogen Associated with EGNRET 60 Meeting

Date: April 23, 2024  
Location: Kaohsiung, Chinese Taipei

EGNRET Chair delivered opening remarks  
and moderate session



## Participating EGEEC 63 Meeting

Date: 7-8 November, 2024  
Location: Tianjin, China

Sharing EGNRET's updates(pre-recorded)

# Future Collaborations with APEC Fora



## Hold Joint Meeting with EGEEEC, EGCFE, EGEDA

- **Host Economy:** Hong Kong, China
- **Date:** April 8-11, 2025
- **Venue:** Kowloon Shangri-La Hotel

*The 1<sup>st</sup> Joint Meeting among four Expert Groups.*



Source: Unsplash.com



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**EGNRET**

**Thank  
You  
For Your  
Attention!**

**EGNRET website**

<http://www.egnret.ewg.apec.org/>

