

APEC Expert Group on
New and Renewable Energy Technologies



Asia-Pacific
Economic Cooperation
EGNRET

Key Areas for Cross-fora Collaboration

EGNRET

EGNRET 60 Meeting

April 23-26, 2024
Kaohsiung, Chinese Taipei

Cross-fora Collaboration

- The mission of EGNRET aims to promote research, technology transfer, and adoption of new and renewable energy in the APEC region, aiding to double renewable energy in the regional energy mix by 2030.
- To achieve the mutual goal, collaborations among Expert Groups to facilitate knowledge sharing, technology innovation, and capacity building in the field of new and renewable energy are crucial, enhancing member economies' capacity to evaluate, operate, and adapt existing and new technologies.



Cross-fora Collaboration

Collaborative topics with other Expert Groups in the past:

- Statistics of NRE data
- Waste to energy
- Microgrid system
- BCG economy
- Doubling renewables share and reducing energy intensity
- Clean hydrogen
- Sustainable and resilient energy
- Distributed energy
- NREs in transportation

Cross-fora Collaboration

Achievements and Benefits

- ✓ Gain insights into the professional expertise of other Expert Groups in broader energy areas.
- ✓ Encourage members' and experts' participation from both Expert Groups to further enhance meeting outcomes, contributing to meeting quorum.
- ✓ Jointly promote APEC energy goals and discuss strategies and approaches.

Constraints and Challenges

- Expert Group finds difficulties in applying for joint projects due to lack of funding.
- Financial constraints and geographical distance have raised concerns regarding participation numbers and achieving quorum to Expert Groups.

Cross-fora Collaboration

Suggestions on collaboration methods and key areas:

- Expert groups can collaborate to develop a workplan to contribute expert support to deliberations for Peru's 2024 Policy Dialogue on "Green and low-carbon hydrogen as an enabler of energy transition." Collaborative topics can focus on **the definition of green and low-carbon hydrogen, green energy certificates, etc.**
- **Energy storage** technologies play a crucial role in integrating renewables and optimizing the use of clean fossil energy, which can be one of the potential collaborative topics.
- **Innovation in thermal power utilizing CCUS and ammonia** can be one of the potential key areas, facilitating decarbonization technology development in power sectors.
- Holding joint activities through **initiating project concept notes** to convene experts from APEC fora and external experts for a constructive dialogue.

Suggestions for Next Meeting Theme

Category of interests for meeting themes include:

- NRE policy / laws and regulations / incentives
- NRE technologies: solar PV, bioenergy, geothermal, offshore wind, green hydrogen, etc.
- RE doubling goal
- Distributed RE integration: microgrids, energy storage and electrification
- Decarbonization of electricity sector
- Energy transition
- Particular theme from EWG projects
- Capacity building
- Adopting sustainable energy sources for land transport

Members are encouraged to provide suggestions for the next Meeting Theme.



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**Thank
You
For Your
Attention!**

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

