



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

Introduction to  
the Legislation Recommendation and  
Promotion of Multifunctional Ocean Space Usage

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# Background

- Land is a limited nature resource and became an obstacle for promoting renewable energy development.
- Maximization of both ocean space usage and electricity generation in vacant spacings below the blades of offshore wind turbines.
- “Multi-functional usage in ocean space” to sustainable energy growth by combining offshore wind turbines and floating photovoltaic (PV) panels in the open ocean surface.



# 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.



# Methodology

## Feasibility study

Focus on the international regulations related to ocean space usage management, especially the United Nations Convention on Law of the Sea 1982 and other domestic regulations among APEC economies.

## Workshop

- Providing legislation recommendations on ocean space management to the participants from the APEC economies through Workshops.
- Conduct Workshops to promote the research and recommendation of ocean space management regulations.

## Final Report

- Complete the final report and deliver to EGNRET and EWG representatives for review.

## Expected Outcome

- **Women and female lawyers rule as essential promoters to establish domestic legislation recommendation on "multi-functional usage in ocean space".**
- **Achieving economic and electricity security and resilience, which benefits human security and welfares.**
- **Enhancing energy resilience and energy security by introducing "multi-functional usage in ocean space" solutions for ocean space usage management, promoting the human community welfares.**
- **Increase the technology innovation and facilitate the maximum of the APEC economics sustainability and profitability in industries.**



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Time	Topic	Speaker
08:30-09:00	Registration	
09:10-09:20	Welcome address	Dr. Chi-Wen Liao EGNRET Chair
09:20-09:30	Introduction to the Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage	Dr. Keng-Tung Wu Chung Hsing University, Chinese Taipei
09:30-10:10	The Reviews of Offshore Wind Farm Project Development Status in APEC Economies	Dr. Chung-Hsien Chen Energy Administration, MOEA, Chinese Taipei  Ms. Marissa P. Cerezo Renewable Energy Management Bureau, Philippines
10:10-10:30	The Essential Elements of The Marine Environmental Impact Access Meant	Dr. Yiyuan William Su Venna Carbon Solution Consulting Ltd., Chinese Taipei
10:30-10:50	Coffee Break	
10:50-11:10	Establishing The offshore Solar Floating System	Miss. Mei-Lin Kuo Sun Rise E&T Co., Chinese Taipei
11:10-11:30	The Space Management Elements on Establishing Offshore Wind Farm Project	Dr. Yiyuan William Su Venna Carbon Solution Consulting Ltd., Chinese Taipei
11:30-11:50	Discussion	Chinese Taipei
11:50-12:00	Closing Remark	Chinese Taipei





**Thank you very much for  
your attention and support.**