



PROJECT NOTIFICATION

Ref. No.: 22-CP-24-GE-OSM-A-PN2200102-001

Date of Issue	01 November 2022
Project Code	22-CP-24-GE-OSM-A
Title	Multicountry Observational Study Mission on Applications of Alternative Energy Sources for Decarbonization
Timing and Duration	13–14 December 2022 (two days)
Hosting Country(ies)	Republic of China
Modality	Digital Multicountry
Implementing Organization(s)	China Productivity Center and APO Secretariat
Participating Country(ies)	All Member Countries
Overseas Participants	57
Local Participants	12
Qualifications of Participants	Policymakers and government officials, senior representatives of industrial associations, entrepreneurs, consultants, and trainers working on renewable energy, sustainable power generation, clean industrialization, sustainable development, and climate change mitigation
Nomination of Participants	All nominations must be submitted through National Productivity Organizations of member countries
Closing Date for Nominations	1 December 2022

1. Objectives

- a. Provide insights into emerging technological advances while sourcing energy from nonfossil fuel-based sources.
- b. Discuss policy frameworks and pathways to decarbonize industry and mitigate climate change.
- c. Showcase the benefits of harnessing energy from renewable sources.

2. Background

Globally, while industry is rebounding from the impact of the COVID-19 pandemic, the recent energy crisis has made the recovery path more difficult. The adverse impacts of climate change are visible as reports on floods, droughts, typhoons, and record-high temperatures are becoming more frequent. This affects socioeconomic development at the grassroots level and calls for urgent action. Industry, a major contributor to carbon emissions and pollution, needs to explore alternatives to decarbonize its processes.

Renewable energy sources such as solar, wind, hydro, biomass, etc. are ideal alternatives to address multifaceted challenges faced by industry. According to *World Energy Transitions 2022* published by the International Renewable Energy Agency, renewables are a significant contributor in efforts to reduce the current annual CO₂ emissions of 36.9 gigatons. Renewables and other transition-related technologies are vital in achieving nationally determined contributions and pursuing efforts to limit the temperature rise to 1.5°C above preindustrial levels, as reported in the Glasgow Climate Pact during COP 26 held in 2021. Recently, the ROC has prepared an action pathway to achieve net-zero emissions by 2050 which includes energy and industrial transitions as key strategies. Maximizing renewable energy, building zero-carbon fuel supply systems, technological advances, energy storage, and the use of electric vehicles are some of those strategies.

Aligned with the APO Green Productivity concept of strengthening environmental performance while increasing the productivity and profitability of enterprises, this study mission will examine decarbonizing energy-based activities and processes. It will also provide insights on harnessing and storing energy effectively, thereby benefiting industry and society.

3. Scope, Methodology, and Certificate of Attendance

The duration of each day's sessions will be around three hours comprising presentations by resource persons, group discussions, and other relevant learning methods. The indicative topics of the presentations are:

Day 1:

- Adopting alternative energy sources for competitive, cleaner industrialization
- Technological advances in harnessing renewable energy
- Virtual site visit

Day 2:

- Examples of renewable energy sources for businesses
- Policy framework in the ROC promoting the utilization of cleaner energy sources
- Approaches to address implementation and operational barriers to alternative energy adoption

The detailed program and list of resource persons will be provided one week prior to the sessions.

The participants are required to attend all sessions. This full participation is a prerequisite for receiving the APO certificate of attendance.

4. Financial Arrangements

The APO will meet the assignment costs for international resource persons, honorarium for up to two local resource persons, and video production costs for a virtual site visit(s) of up to USD2,000.00, either broadcast live or recorded as applicable.

5. Implementation Procedures

Please refer to the implementation procedures for APO digital multicountry projects circulated with this document.

A handwritten signature in black ink, appearing to be 'I. Pradana', written in a cursive style.

Dr. Indra Pradana Singawinata
Secretary-General