

# Overview of CEFIA and Report on the activities in FY2023

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**MITSUI Hiroyuki**  
Deputy Director

**Global Environmental Affairs Office**  
**Ministry of Economy, Trade and Industry (METI), Japan**

# What is CEFIA?

## ***Cleaner Energy Future Initiative for ASEAN***

- Launched at the **16th ASEAN+3 Energy Ministerials** in September, 2019
- A Public and Private initiative for accelerating the deployment of cleaner energy and decarbonization technologies, contributing to **energy transition and decarbonization in the ASEAN region**
- Provide **Capacity building support through Flagship projects**
- Share activities and discuss at **the CEFIA Government-Private Forum**

### 3 key pillars



#### **Decarbonizing Technologies**

(energy efficiency, renewables, etc.)



#### **Institutional Arrangements**

(policy framework, standardization, etc.)



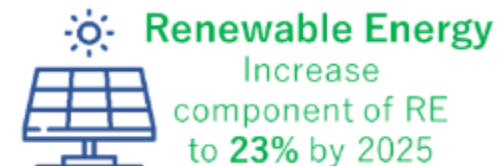
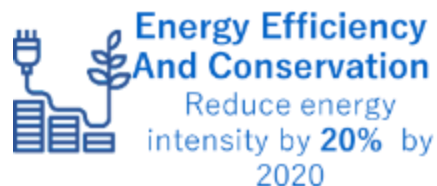
#### **Finance**

(SDGs, ESG, local financial institutions, etc.)



**CEFIA**  
Cleaner Energy  
Future Initiative  
for ASEAN  
**ASEAN+3**

- ✓ **Contribute to APAEC  
(ASEAN Plans of Action  
for Energy Cooperation)  
Phase II (2021-25)**



# CEFIA Government-Private Forum

2019

**September**

16th ASEAN+3 Ministers on Energy Meeting (**AMEM+3**) : The Ministers welcomed the initiative proposed by Japan on CEFIA.

**November**

**1st CEFIA Government-Private Forum:** Manila, Philippines, hosted by Department of Energy of Philippines

2020

**September**

Virtual Roundtable Discussion on Cleaner Energy Finance in ASEAN

2021

**February**

**2nd CEFIA Government-Private Forum:** online, hosted by DEDE of Thailand

2022

**February**

**3rd CEFIA Government-Private Forum:** online, hosted by the Energy Commission of Malaysia

**November**

**COP27 Side Event at Japan Pavilion:** "Mobilizing Finance to Facilitate Energy Transition and Decarbonization in ASEAN"

2023

**February**

**4th CEFIA Government-Private Forum:** hybrid, Cebu, Philippines, hosted by Department of Energy of Philippines

**August**

**5th CEFIA Government-Private Forum:** Bali, Indonesia, hosted by Ministry of Energy and Mineral Resources of Indonesia

2024

**TODAY (July 23)**

**6th CEFIA Government-Private Forum:** Bangkok, hosted by DEDE, Thailand

# The 5<sup>th</sup> CEFIA Government-Private Forum

## August 25 in 2023; Bali, Indonesia

- Held back to back with the ASEAN+3 Energy Ministerial Meeting and the ASEAN Energy Business Forum (AEBF)
- Host : Ministry of Energy and Mineral Resources of Indonesia
- Audience : 23 speakers and panelists, around 80 participants at the venue



▲ Opening group photo



▲ Business matching event



▲ Exhibition of perovskite-type solar cell



▲ Panel discussion



▲ Closing group photo



# Flagship projects

Name	Purpose	Activities
ZEB	Promoting and developing <b>the Net-Zero Energy Building (ZEB)</b> to contribute to the acceleration of energy efficiency in the demand side in ASEAN. <i>[Japanese Business Alliance for Smart Energy Worldwide (JASE-W)]</i>	<ul style="list-style-type: none"> <li>➤ International Standardization</li> <li>➤ Seminar and workshop</li> <li>➤ Demonstration</li> </ul>
RENKEI	Disseminating <b>control optimization (RENKEI) to reduce energy consumption throughout utility plants and manufacturing plants through IoT.</b> <i>[Japan Electronics and Information Technology Industries Association (JEITA)]</i>	<ul style="list-style-type: none"> <li>➤ Feasibility Study for Thailand Industry</li> <li>➤ Workshop</li> </ul>
Microgrid	Introducing <b>Microgrid system combining wind turbines, solar power, and energy storage functions</b> to realize decarbonized energy and improving resilience. <i>[Kyudenko Corp. and Furukawa Battery Co.]</i>	<ul style="list-style-type: none"> <li>➤ Capacity building</li> <li>➤ Seminar and workshop</li> </ul>
SteelEcosol	Diagnosing and introducing <b>the best available energy-saving technologies (BAT) to the steel industries.</b> <i>[Japan Iron and Steel Federation]</i>	<ul style="list-style-type: none"> <li>➤ Capacity Building</li> <li>➤ Public-Private Dialogue</li> <li>➤ Steel plant diagnosis</li> </ul>
Biochar	Introducing the technology of <b>storing CO2 as bio-charcoal while biomass gasification</b> and promoting the biochar in the ASEAN region. <i>[Forest Energy Inc.]</i>	<ul style="list-style-type: none"> <li>➤ Capacity building</li> <li>➤ Seminar and workshop</li> </ul>
AC-ECP	Disseminating <b>Air Conditioning System with Excessive Cooling Protection</b> (currently being introduced on a trial basis in Thailand and Vietnam), which provides the same level of comfort even at high temperature settings. <i>[Daikin Industries, Ltd.]</i>	<ul style="list-style-type: none"> <li>➤ Capacity building</li> <li>➤ Seminar and workshop</li> </ul>

## Introduction of Japan's Cutting-edge Decarbonization Technologies

Hydrogen (JH2A)

Ammonia (CFAA)

Factory DX/GX  
(Mitsubishi Electric Thailand)

Activities of JETRO  
Bangkok

# Activities for Cross-Cutting Area

## Finance [ADFIAP]

- Activities for mobilizing finance to energy transition/decarbonizing projects in ASEAN
  - Capacity building seminars and workshops
  - **Development of the potential projects**

## Visualization of GHG emission reductions [Panasonic]

- **Visualization of GHG Avoided Emissions** can contribute to mobilizing climate finance as an indicator for climate mitigation impact.

## Cleantech innovation and entrepreneurship for MSMEs and start-ups [ACE]

- Support **the cleantech innovation and entrepreneurial ecosystem for Micro, Small & Medium Enterprises (MSMEs) and start-ups together with UNIDO**
  - Development of methodologies, tools, training systems, guidebooks
  - Policy analysis, capacity building and knowledge sharing for innovation and entrepreneurship
  - Enhancement of linkages, networks and connectivity
- **Planning to support 10 AMS in cooperation with ACE utilizing JAIF**

# The 7<sup>th</sup> CEFIA Forum in Japan

- CEFIA Government-Private Forum has been hosted by ASEAN in the past.
- **Japan propose to host the 7<sup>th</sup> CEFIA Government-Private Forum in February 2025 (TBD)**, including a **site-visit** to showcase Japan's decarbonizing technologies.

## <Tentative Schedule>

•Time: February 2025 (P)

•Place: Local area in Japan (P)

•Agenda:

Day one: 7<sup>th</sup> CEFIA Government-Private Forum

Day two: site-visit

•Invitees: ASEAN gov. and ACE



**METI**

Ministry of Economy, Trade and Industry



**CEFIA**  
Cleaner Energy  
Future Initiative  
for ASEAN  
ASEAN+3



**ASEAN Centre for Energy**

One Community for Sustainable Energy



😊😊 Please come and join us 😊😊

