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Ministry of Economy, Trade and Industry



CEFIA

Cleaner Energy
Future Initiative
for ASEAN
ASEAN+3

Brief presentation of CEFIA (Cleaner Energy Future Initiative for ASEAN)

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About CEFIA

- CEFIA (Cleaner Energy Future Initiative for ASEAN) is a public-private initiative for the introduction of clean energy such as energy conservation and renewable energy in the ASEAN region. In September 2019, Japan proposed this initiative and its establishment was welcomed at the 16th ASEAN+3 Energy Ministers Meeting.
- Under CEFIA, ASEAN countries will promote the development of a clean energy-related business environment in the region through the implementation of energy efficiency and renewable energy (flagship projects) in collaboration with the public and private sectors.
- CEFIA's activities are reported and discussed at the annual CEFIA Public-Private Forum. Progress is reported to the ASEAN+3 Energy Ministerial Meeting every year.

Recent CEFIA Forums

- 4th CEFIA Public-Private Forum (February 16, 2023)
 - Cebu, Philippines
- 5th CEFIA Public-Private Forum (August 25, 2023)
 - Bali, Indonesia
 - Business matching will be held in conjunction with the forum.
- 6th CEFIA Public-Private Forum (July 23, 2024)
 - Bangkok, Thailand
- 7th CEFIA Public-Private Forum (February 13, 2025)
 - First time held in Japan (Kobe)
 - Launch of Hydrogen and Ammonia Flagship
 - Excursion of hydrogen and ammonia facilities for ASEAN officials



About the CEFIA Flagship Project

- The flagship projects aim to accelerate the implementation of decarbonization projects in ASEAN through collaboration between "technology introduction" and "policy and institutional development," mobilization of public and private funds, and collaboration among industry, government, and academia.

Name	Outline	Participating Organizations
Hydrogen, Ammonia	<ul style="list-style-type: none"> ● Launched as a new flagship at the 7th Public-Private Forum. Promotes hydrogen and ammonia production, transportation, and co-firing and mono-firing technologies for the ASEAN region. 	Japan Hydrogen Association (JH2A) Clean Fuel Ammonia Association (CFAA)
ZEB (Net-Zero Energy Building)	<ul style="list-style-type: none"> ● To accelerate the diffusion of ZEB in ASEAN, this group supports activities such as raising awareness of the ISO technical specification (TS23764), creating an environment for access to products and technologies, and materializing a demonstration project. 	Japanese Business Alliance for Smart Energy Worldwide(JASE-W).
RENKEI (Energy Management)	<ul style="list-style-type: none"> ● RENKEI is a control technology that uses IoT to reduce energy consumption throughout power plants and business sites. 	Working group of Japan Electronics and Information Technology Industries Association (JEITA)
Microgrid	<ul style="list-style-type: none"> ● Support for efforts to introduce micro-grid systems that integrate multiple renewable energies from wind and solar power generation and storage batteries. 	Kyushu Electric, Furukawa Battery
SteelEcosol (Iron and Steel Eco Solutions)	<ul style="list-style-type: none"> ● Creation of technology lists, public-private dialogue and energy audits of steel mills to promote the adoption of Best Available Technology (BAT) in the ASEAN steel industry. 	Japan Iron and Steel Federation, in cooperation with steel associations in ASEAN countries.
Biochar	<ul style="list-style-type: none"> ● Conducted a webinar to raise awareness of the technology to store CO2 as biochar during gasification of biomass. 	Forest Energy
High-efficiency air conditioning	<ul style="list-style-type: none"> ● Conduct awareness and dissemination activities (seminars, etc.) of high-efficiency air conditioning, which provides the same level of comfort as before even at higher temperature settings. 	Daikin
Finance	<ul style="list-style-type: none"> ● Analyze issues in the introduction of decarbonization technologies in the ASEAN region, identify the needs of local financial institutions, organize seminars, and support the formulation of financial instruments for the introduction of decarbonization technologies. 	Asia-Pacific Development Finance Institutions Association (ADFIAP: 90 institutions in 40 countries)

Strengthening Collaboration between AZEC and CEFIA

- The Asian Zero Emissions Community (AZEC) was proposed by then Prime Minister Kishida in his policy speech in January 2022, with the objective of Asian countries working together to advance energy transition.
- AZEC will utilize Japanese technology and finance to steadily promote decarbonization in Asia in a realistic manner through various pathways tailored to each country's circumstances.
- Ministerial and summit meetings have been held in 2023 and 2024, and CEFIA's efforts have been welcomed by the AZEC.
- This year's AZEC ministerial and summit meetings are expected to be held in Malaysia in October. The 8th CEFIA Public-Private Forum is also scheduled to be held at the same time and will strengthen cooperation with AZEC.

AZEC Leaders' Joint Statement (October 11, 2024)

4 Collaboration with related meetings and initiatives

We will collaborate with various meetings and initiatives such as Asia Energy Transition Initiative (AETI), Cleaner Energy Future Initiative for ASEAN (CEFIA), the Asia GX Consortium, Strategic Program for ASEAN Climate and Environment (SPACE), ASEAN-Japan Transport Partnership (AJTP), the ASEAN-Japan Smart Cities Network High Level Meeting, and ASEAN-Japan MIDORI Cooperation Plan.

AZEC Leaders' Joint Statement Action Plan for the Next Decade October 11, 2024, Vientiane

3 pillars

1. Develop a short- to medium-term action plan to facilitate AZEC solutions
2. Sectoral initiatives
3. Promoting tangible projects