

Best practices and lessons learned from Japan's NMAs

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Japan's NMA (1): Mitigation and Clean energy

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 Just 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

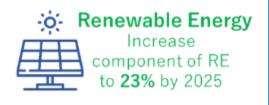
(SDGs, ESG, local financial institutions, etc.)



CEFIA
Cleaner Energy
Future Initiative
for ASEAN
ASEAN+3

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





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



▲ Panel discussion



▲ Business matching event



▲Closing group photo



▲ Exhibition of perovskite-type solar cell

CEFIA activities planned for 2024

- The 6th CEFIA Government-Private Forum will be held in Bangkok,
 Thailand (Hybrid format) on July 23, 2024
- Capacity building seminars/workshops, feasibility study, demonstration are planned under the flagship projects.

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Flagship Project	Activities for 2024
ZEB Net-Zero Energy Building	 Seminars and discussions on ZEB with the 6th CEFIA Forum Demonstration project in Malaysia
RENKEI energy efficiency through power optimization	 Webinars for public awareness for Malaysia and Thailand Capacity building for Energy Manager Feasibility study for project formulation
SteelEcosol energy saving at steel plants	 Steel plant diagnosis Formulate Asia net zero steel guideline Dissemination of ISO14404 and BAT list for ASEAN
Biochar biomass power generation and biochar	 Workshops for public awareness for ASEAN (webinar) Demonstration project with Thailand or Indonesia Univ.
AC-ECP AC systems striking a balance between energy saving and comfort	 Workshops for public awareness for ASEAN (webinar) Demonstration with Vietnam Univ.
Finance	 Capacity building for DBP (Development Bank of the Philippines) and BPMB (Malaysia Development Bank) to finance ZEB and green buildings projects

Japan's NMA(2): Adaptation

SUBARU initiative

 \sim **SU**stainable **B**usiness of **A**daptation for **R**esilient **U**rban future \sim

- Launched with UN Habitat at COP27 in 2022
- Improve the resilience of cities in the Asia-Pacific region together with Japanese companies
- Formulate public-private partnership projects
 - 1. Focus on local circumstances
 - 2. Promote diverse partnerships, such as cities and private sectors
 - 3. Enhance involvement of startup companies and SMEs
- **▼**Discussion with UN Habitat at COP27





Side event with UN Habitat at COP28▲





*Regional office for Asia and the Pacific

■UN Habitat offices in 17 countries
Afghanistan, Cambodia, China, Fiji, India,
Iran, Japan, Laos, Mongolia, Myanmar,
Nepal, Pakistan, Philippines, Solomon
Islands, Sri Lanka, Thailand, Vietnam
*Solomon Islands is closed due to vacancy

SUBARU Initiative activities

UN Habitat Environmental Technology Expert Group Meeting

- Held annually, with participants from both Asia and the Pacific region and Japan.
- Aim to seek opportunities for collaboration and partnerships through discussion and matching between local/national governments in Asia and the Pacific region with the adaptation needs and Japanese companies with the adaptation technologies.

UN Habitat 14th Environmental Technology Expert Group Meeting (Japan, 2023)

Theme: Sustainable Urban Development through Climate Adaptation and Action

Participants:

<Japanese private sector>

- ✓ underground rainwater harvesting tank
- ✓ Recycle/reuse of bricks
- ✓ Community scale composting
- ✓ Solar lanterns for home use
- ✓ Soap based fire extinguishing agents
- ✓ Flood locks to avoid flood water, etc.

<Asia local/national gov.>

Cambodia (Ministry of Environment)

Nepal (Lalitpur Metropolitan City)

Philippines (Province of Iloilo)

Vietnam (Hio An City)





Demonstration and Workshop@ Lalitpur Metropolitan City, Nepal

- As a follow-up to UN Habitat Environmental Technology Expert Group Meeting, ECOSYSTEM match with Lalitpur, Nepal.
- Demonstration and workshop held in January 2024

[Demonstration]

- Demonstration in a portion of a cityowned park
- After the construction, the Deputy Mayor of Lalitpur visited the park to confirm the permeability of the pavement material
- Promoting the technological capabilities of Japanese companies.





[Workshop]

- For local government technical staff, university students majoring in urban development, NGO staff, and others.
- Introduction of Good Practices for Adaptation by METI
- Sharing Detailed technical description by ECOSYSTEM





CEFIA

- **Regional Cooperation** under the ASEAN+3 Energy Ministrials
- Involving Private sectors for promotion
- Utilizing Energy forum in the areas other than Climate Change
- Step by Step approach from Capacity building to Project implementation

SUBARU initiative

- Collaboration with UN Habitat with broad networks and connections to local communities in Asia and Pacific region
- Reaching out local communities and cites
- Involving Private sectors for promotion and business matching (In person WS and site visit)
- Step by Step approach from Capacity building to Project implementation