



Regional Context and Initiatives on Financial Instruments and De-Risking Mechanisms

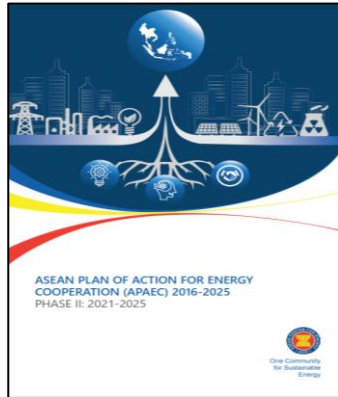
6th CEFIA Forum
23 July 2024

Presented by:

Ms. Mardika Firlina
Associate Officer

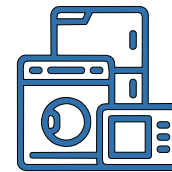
Energy Efficiency and Conservation (CEE) Department

ASEAN Plan of Action for Energy Cooperation (APAEC) Phase II: 2021 - 2025



- Enhancing Energy Connectivity and Market Integration in ASEAN to Achieve Energy Security, Accessibility, Affordability and Sustainability for All
- Accelerating Energy Transition and Strengthening Energy Resilience Through Greater Innovation and Cooperation

Outcome-Based Strategies (OBS)



OBS1:
Expand, Harmonise, and Promote EE S&L (Energy Efficiency Standards & Labeling)



OBS2:
Enhance Participation of Private Sector, Financial Institutions and Clusters



OBS3:
Strengthen Sustainability of EE in Buildings



OBS4:
Pursue Energy Efficiency in Transport Sector



OBS5:
Advance Energy Efficiency and Energy Management in Industry

APAEC Programme Areas



To reduce energy intensity by 32% by 2025 and encourage EE&C efforts, especially in transport and industry



Key Achievements - OBS2: Enhance Participation of Private Sector, Financial Institutions and Clusters

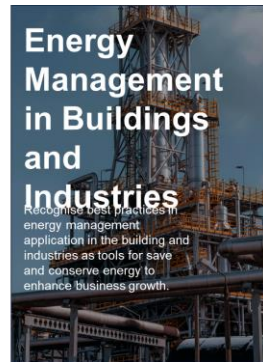


A ASEAN Energy Awards



ASEAN Energy Award is Southeast Asia's highest reward to encourage and bring about recognition of greater private sector participation and interest in energy development of the ASEAN region in partnership with the public sector.

Category: ASEAN Energy Efficiency and Conservation Best Practices Awards



453 Entries
(2018 – 2024)



266 Awardees
(2018 – 2024)

<https://aseanenergy.org/in-service/awards/asean-energy-awards/>

B ASEAN Energy Business Forum (AEBF)



The AEBF is an international conference and exhibition that promotes and brings together ASEAN energy stakeholders to share knowledge and collaborate on developing the ASEAN energy sector

24th AEBF 2024



25 - 27 September 2024

Lao National Convention Centre (LCC), Vientiane, Lao PDR



Hosted by Department of Energy Efficiency and Promotion (DEEP), Ministry of Energy and Mines, Lao PDR



Theme: "ASEAN: Enhancing Connectivity and Resilience"

<https://asean-aebf.com/>

Key Achievements - OBS2: Enhance Participation of Private Sector, Financial Institutions and Clusters



C Cleaner Energy Future Initiative for ASEAN (CEFIA)



CEFIA is a platform to facilitate collaboration between public and private sectors for accelerating the development of cleaner energy and decarbonization technologies in the ASEAN region. CEFIA Digital Platform aims to facilitate knowledge sharing and collaboration



7 Flagship Projects
(2019 – 2024)



6th CEFIA Forum
23 July 2024, in Bangkok

7th CEFIA Forum

February 2025 (TBC), in Japan

<https://www.cefia-dp.go.jp/>

D Development of Sustainable ASEAN Energy Management Certification Scheme (SAEMAS)



Under the AJEEP Programme, Scheme 4 aims to establish an ASEAN-wide energy manager qualification system that contributes to improving energy efficiency, with the goal of achieving Carbon Neutrality (CN).

SAEMAS Trial Implementation in 2025

- Integrate AEMAS and AJEEP TOT as ASEAN Common Standard Module
- Prepare new and advanced contents related to CN as Advanced Module
- Support establishing SAEMAS operation system as ASEAN regional system

Regional Initiative to Support Financial Instruments and De-Risking Mechanisms



A. Asia Low-Carbon Building Transition (AsbuilT) Program

Consortium Lead



5 Asian Countries Develop & Implement a LCBT



5 years
(2023-2028)

Cambodia, India, Indonesia, Thailand, Vietnam recognize and integrate the Low Carbon Building Tool (LCBT) with their ongoing Building Energy Efficiency program through Policy, Demonstration & Capacity Building

Project Kicked-Off from 15th Aug 2023



EUR 17.98
million

Project Beneficiaries



Central &
State Govt



Building
Industry



Financial &
Services
Institution



Universities
& Academia

Broad Project Outcomes

- 1 Institutionalize Low Carbon Performance Metric
- 2 Enhance Industry Capacity on Low-Carbon Assessment
- 3 Financing of Low-Carbon Buildings through ESCOs
- 4 Replication and Scale-Up



1.68 million TCO₂eq
Avoided

19,000 people
Enhanced their skill

EUR 140 million
Investment mobilized

Regional Initiative to Support Financial Instruments and De-Risking Mechanisms



B. Promoting Energy Efficiency in Buildings in ASEAN (PEEB-ASEAN)

PEEB ASEAN is an initiative which aims at supporting the transition of the building sector towards better energy and environmental performance and better resilience to the effect of climate change in the ASEAN region.

Funded by French Development Agency (AFD)

Project duration: 4 years (2024 – 2028)

Objective: Promote high energy and environmental performance standards in the building sector



ASEAN Centre for Energy
One Community for Sustainable Energy



AFD
AGENCE FRANÇAISE
DE DÉVELOPPEMENT

Component 1: Enhancement of Enabling Activities for Building Energy Efficiency

- Output 1.1: AMS have access to reports, recommendations and workshops to develop their EE policy framework
- Output 1.2: AMS and building stakeholders in AMS have access to building EE related data and capacity building content
- Output 1.3: AMS have undertaken capacity-building activities
- Output 1.4: AMS have access to effective enabling activities for Building Energy Efficiency

Component 2: Building Energy Efficiency Investment and Scaling-Up

- Output 2.1: EE Building stakeholder in AMS are supported in the different phases of their investment to include EE in their building project
- Output 2.2: EE Building stakeholder in ASEAN Member States have access to financing for investment in EE Buildings
- Output 2.3: PEEB-ASEAN Phase 2 is designed and financing opportunities are identified

Regional Initiative to Support Financial Instruments and De-Risking Mechanisms



C. Green Climate Fund (GCF)



GREEN
CLIMATE
FUND



KDB Bank

Objective: Supporting Innovative Mechanisms for Industrial Energy Efficiency Financing in Indonesia with Lessons for Replication in other ASEAN Member States.

Partner by Korean Development Bank (KDB)

Project duration: 7 years, started from 2024

ACTIVITIES

Component 2 De-risking Mechanism

- Introduction of Energy Savings Insurance (ESI)
- Development of ESCO Financing Structure

Component 3 Tech. Assistance for Market Readiness

- Local FIs capacity Building
- Tech Advisory for Industry Player
- Development of EE Regulatory Framework
- Sharing Knowledge with AMS



ASEAN Centre for Energy
One Community for Sustainable Energy

To know more about the latest ACE Publications,
those are available for download from:

aseanenergy.org/publications



For further information or to provide feedback, please contact ACE at
secretariat@aseanenergy.org



ASEAN Centre for Energy



@aseanenergy



ASEAN Centre for Energy



@aseanenergy



ASEAN Centre for Energy

Thank You