



# Towards Sustainable and Energy Efficient Buildings and Cooling in Southeast Asia – Workshop

Organised by: International Energy Agency, ASEAN Centre for Energy and the ASEAN Secretariat.

With funding support from: ASEAN-Australia Development Cooperation Program Phase II (AADCP II)

2- 3 December 2021

2 December 15.00 – 17.30 JKT/BKK (09:00 – 11:30 CET)

3 December 15.00 – 17.00 JKT/BKK (09:00 – 11:00 CET)

Registration link: <https://go.aseanenergy.org/ASEANIEAWorkshop2021>

## Agenda Day 1

### Session 1: Introduction

TIME (JKT/BKK)	Introductory Session
	<b>Opening Ceremony to be led by MC</b> Ms. Nella Nabila, Communications Officer, ASEAN Centre for Energy
<b>15:00 –15:10 (10 mins)</b>	<b>Welcoming Remarks</b> Dr. Prasert Sinsukprasert, Director General, Department of Alternative Energy Development and Efficiency, Ministry of Energy, Thailand  Ms. Caroline Scott, Deputy Head of Mission of the Australian Mission to ASEAN
<b>15:10 – 15:20 (10 mins)</b>	<b>The Role of Energy Efficiency in the Race Towards Net Zero</b> Dr. Brian Motherway, Head of Energy Efficiency, International Energy Agency
<b>15:20 – 15:30 (10 mins)</b>	<b>Keynote Address: The importance of Buildings Efficiency for Southeast Asia</b> Dr. Nuki Agya Utama, Executive Director of ASEAN Centre for Energy

### Session 2: Advancing Energy Efficient Cooling in Southeast Asia

This session will discuss the importance of sustainable cooling for ASEAN member States (AMS), and examine the design and implementation of effective policy packages for sustainable cooling, with a

technology focus on air conditioners and electric fans. This session will touch on policies including regulations, information, incentives, and digitalisation, as well as potential behavioural change interventions to bolster energy efficiency.

The session will aim identify key implementation strategies and best practice examples to guide ASEAN towards net-zero carbon goals.

## Agenda

TIME (JKT/BKK)	ACTIVITIES
15:30 – 15:40 (10 min)	<b>Overview of the Space Cooling in ASEAN</b> Mr. Bintang Widhana, REE, ASEAN Centre for Energy
15:40 – 16:00 (20 min)	<b>Cooling Policy Best Practice</b> Mr. Michael Oppermann, Energy Efficiency Policy Analyst, International Energy Agency
16:00 – 17:20 (80 mins)	<p><b>Panel and Q&amp;A: Space Cooling Policies and Programmes</b></p> <p><b>Discussion Session:</b> Will feature questions from moderator, audience and interventions from ASEAN Member States</p> <ol style="list-style-type: none"> <li>1. Mr. Patrick Blake, Programme Management Officer, United for Efficiency, United Nations Environment Programme: <i>Regional Harmonisation of AC Standards - a case study from ASEAN</i></li> <li>2. Dr. Supachai Sampao, Senior Professional Engineer, Department of Alternative Energy Development and Efficiency, Ministry of Energy, Thailand: <i>AC standards harmonisation – and how Thailand became one of the biggest exported of AC in the world</i></li> <li>3. Mr. Pak Sokharavuth, Deputy Director General, General Directorate of Environmental Protection, Cambodia Ministry of Environment: <i>Cambodia’s National Cooling Action Plan</i></li> <li>4. Ms. Atchara Poomee, Managing Director, PAC Corporation, Thailand: <i>The role of innovation in improving cooling efficiency</i></li> <li>5. Mr. Mark Lister, Asia Clean Energy Partners: <i>The role of finance in supporting sustainable cooling</i></li> <li>6. Ms. Apurupa Gorthi, International Forum for Environment, Sustainability &amp; Technology: <i>The importance of policy interventions with a gender dimension</i></li> </ol> <p><b>Moderator:</b> Dr. Ksenia Petrichenko, Energy Efficiency Policy Analyst, International Energy Agency</p>
17:20 – 17:30 (10 mins)	<b>Summary and Next steps</b> Ms. Emily McQualter, Energy Efficiency Policy Analyst, International Energy Agency

## Agenda Day 2

## Session 3: Towards Net Zero for the Buildings and Construction Sector in Southeast Asia

This session will discuss the importance of policies to support energy efficient building design, development and construction, operation and energy systems in ASEAN, and examine gaps and strategies for implementation of effective policy packages to support net-zero carbon, energy efficient and resilient buildings.

During the panel discussion we will explore important components of implementation actions to scale up energy efficiency and renewable energy utilisation in buildings in ASEAN.

Topics for discussion will include implementation of building regulations at both national and city levels, need for capacity building on sustainable energy building policies in the region, and better coordination between different levels of governance, as well as role of the private sector, project developers and financiers to bridge the investment gap for sustainable energy transition of the building sector.

### Agenda

TIME (JKT/BKK)	ACTIVITIES
	<b>Event MC</b> Ms. Nella Nabila, Communications Officer, ASEAN Centre for Energy
15:00 – 15:10 (10 min)	<b>Overview of the Building Sector in ASEAN</b> Mr. Rio Jon Peter Silitonga, REE, ASEAN Centre for Energy
15:10 – 15:25 (15 min)	<b>Towards net zero in the Buildings Sector</b> Dr. Ian Hamilton, Professor of Energy, Environment and Health, UCL Energy Institute
15:25 – 16:45 (80 mins)	<b>Accelerating transition of buildings toward net zero</b>  <b>Discussion Session:</b> Will feature questions from moderator, audience and interventions from ASEAN Member States <ol style="list-style-type: none"> <li>1. Representative of the Philippines Government: Development of national policies on buildings and plans for implementation (TBC)</li> <li>2. Ms. Vu Thi Kim Thoa, PEEB Project Viet Nam: <i>National Buildings and Construction Sector Roadmap development in Viet Nam and lessons learnt</i></li> <li>3. Ibu Vera, Deputy Governor for Spatial Planning and Environment DKI Jakarta: <i>Building Energy Code implementation at the sub-national and city levels in Indonesia</i></li> <li>4. Dr. Bernadia Irawati Tjandradewi, Secretary General of United Cities and Local Governments Asia-Pacific (UCLG ASPAC): <i>Capacity building needs at the city level, multilevel governance</i></li> <li>5. Dr. Pradeep Tharakan, Unit Head, Sovereign Energy Operations, Greater Mekong Subregion, Southeast Asia Energy Division, Asia Development Bank: <i>Financing of building EE and RE projects in ASEAN</i></li> </ol>

	<p>6. Ms. Maria Atkinson AM, Advisor, PowerLedger: <i>Buildings as prosumers and key actors of decentralised sustainable energy system</i></p> <p><b>Moderator:</b> Dr. Ksenia Petrichenko, Energy Efficiency Policy Analyst, International Energy Agency</p>
<p><b>16.45 – 16.55 (10 mins)</b></p>	<p><b>Summary and Next steps</b></p> <p>Mr. Septia Buntara Supendi, Manager of REE Department, ASEAN Centre for Energy</p>
<p><b>16:55 – 17:00 (5 mins)</b></p>	<p><b>Closing Remarks</b></p> <p>Ms. Marie Gail de Sagon, Head of Energy and Minerals Division, ASEAN Secretariat</p> <p>Ms. Melanie Slade, Head of the Energy Efficiency in Emerging Economies Programme, International Energy Agency</p>