



Roadmaps Towards Sustainable and Energy Efficient Buildings and Cooling in Southeast Asia Workshop

Hosted by: Brunei Darussalam

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

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

6 April 2021

08:00 CET

12:30 – 15:30 Nay Pyi Taw

13:00 – 16:00 Bangkok, Hanoi, Jakarta, Phnom Penh, Vientiane

14:00 – 17:00 Bandar Seri Begawan, Kuala Lumpur, Manila, Singapore

Registration link: <https://www.iea.org/events/asean-roadmaps-towards-sustainable-and-energy-efficient-buildings-and-cooling-in-southeast-asia>

Agenda

TIME (Jakarta)	ACTIVITIES
	Opening Ceremony to be led by MC Ms. Nella Nabila, Communications Officer, ASEAN Centre for Energy
13:00 – 13:15 (15 mins)	Welcoming Remarks Mr. Abdul Salam Bin Abdul Wahab, Head of Sustainable Energy Division, Ministry of Energy, Brunei Darussalam Thailand as Chair of the Energy Efficiency and Conservation Sub-Sector Network Mr. Adrian Gilbert, First Secretary, Australian Mission to ASEAN
13:15 – 13:35 (10 mins)	Keynote Address: Overview of Energy Efficiency and Conservation strategy, programme and target under the ASEAN Plan of Action for Energy Cooperation (APAEC) Phase 2 Dr. Nuki Agya Utama, Executive Director, ASEAN Centre for Energy
13:25 – 13:40 (15 mins)	Tracing the path to low-emission, efficient and resilient buildings, construction and cooling Ms. Melanie Slade, Senior Programme Manager, Energy Efficiency in Emerging Economies Programme, International Energy Agency

13:40 – 15:40 (2hrs)	Breakout Session 1 – Space Cooling Roadmap for Southeast Asia
13:40 – 15:40 (2hrs)	Breakout Session 2 – Buildings and Construction Roadmap for Southeast Asia
15:40 – 15:50 (10 mins)	Breakout Session Summary Mr. Septia Buntara Supendi, Manager, ASEAN Centre for Energy Ms. Maxine Jordan, Energy Analyst, International Energy Agency
15:50 – 16:00 (10 mins)	Workshop Closing remarks Ms. Melanie Slade, Senior Programme Manager, Energy Efficiency in Emerging Economies Programme, International Energy Agency Ms. Marie Gail de Sagon, Head of energy and Minerals Division, ASEAN Secretariat Thailand as Chair of the Energy Efficiency and Conservation Sub-Sector Network
16:00	End of Workshop

Breakout Session 1: Sustainable Cooling Roadmap for Southeast Asia

This session will discuss the importance of sustainable cooling for Southeast Asia, and examine the design and implementation of effective policy packages for sustainable cooling, with a technology focus on air conditioners and electric fans. This will touch on policies including regulations, information, incentives, and digitalisation.

In this session we will present a snapshot of the role policies and programmes can play in supporting sustainable space cooling in ASEAN, and explore how finance and innovative business models can help deliver sustainable cooling in the region.

We seek stakeholder feedback on priorities and opportunities to progress sustainable cooling, and potential sources of information and data.

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TIME (Jakarta)	ACTIVITIES
13:40 – 13:45 (5 mins)	Introduction and Session Overview Mr. Michael Oppermann, Energy Analyst, International Energy Agency
13:45 – 13:55 (10 mins)	Sustainable Cooling in Southeast Asia Dr. Kevin Lane, Energy Analyst, International Energy Agency

<p>13:55 – 14:40 (45 mins)</p>	<p>Space Cooling Policies and Programmes</p> <p>This session will explore the role of policies such as energy efficiency standards and labelling programmes and how these can be expanded and improved. It will further look at best practices and promising approaches in the use of digital tools, efforts to encourage retailers and e-commerce platforms to promote efficient products, rebate programmes, and measures to improve compliance. The session will also cover role of policies and programmes in stimulating the development and deployment of super-efficient cooling technologies and solutions.</p> <p>Panellists:</p> <ol style="list-style-type: none"> 1. Mr. Alvin Jose, Principal Energy Specialist, Sustainable Energy for All 2. Mr. Wisaruth Maethasith, Engineer, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy, Thailand 3. Ms. Katherine Hasan, Associate, Southeast Asia, CLASP 4. Mr. Bintang Dwita Widhana, Sustainable Energy, Renewable Energy and Energy Efficiency Officer, ASEAN Centre for Energy <p>Moderator: Mr. Michael Oppermann, International Energy Agency</p>
<p>14:40 – 15:35 (55 mins)</p>	<p>Business Models and Finance for Sustainable Cooling</p> <p>This session will focus on the role of finance to stimulate supply and demand for sustainable and energy efficient cooling products, and overcome barriers to upfront investment. This session will also explore how new and innovative business models can help to roll out sustainable and energy efficient cooling solutions at scale across Southeast Asia.</p> <p>Panellists:</p> <ol style="list-style-type: none"> 1. Mr. James Maguire, Partner, Sustainable Development Capital LLP 2. Ms. Hanh Le, Vietnam Country Representative at Global Green Growth Institute 3. Mr. Muhammad Zeki, Climate Policy Initiative, Indonesia 4. Mr. Dimitris Karamitsos, BASE <p>Moderator: Dr. Zulfikar Yurnaidi, Senior Officer, ASEAN Centre for Energy</p>
<p>15:35 – 15:40 (5 mins)</p>	<p>Summary and Next steps Mr. Michael Oppermann, IEA</p>

Breakout Session 2: Sustainable Buildings Roadmap for Southeast Asia

This session will discuss the importance of energy efficiency building design, development and construction, operation and energy systems in Southeast Asia, and examine the design and implementation of effective policy packages to support net zero carbon, energy efficient and resilient buildings and construction.

In this session we will present preliminary analysis mapping the existing status of policies in ASEAN Member States and changes over time, and seek feedback on gaps and potential data sources.

We will also launch a data collection survey to gather cooling policy and market data and information from stakeholders to support the development of the sustainable cooling roadmap.

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TIME (Jakarta)	ACTIVITIES
13:40 – 13:55 (15 mins)	<p>Introduction and Session Overview Dr Ian Hamilton, University College London</p>
13:55 – 14:45 (50 mins)	<p>Roadmap Development Session - Part 1: New and Existing Buildings, Systems and Operations</p> <p>This session will include brief panellist interventions about successful practices in their regions of operations, followed by a discussion and Q&A session around the audience responses to a series of Menti polls. The poll questions are aimed at assessing current levels of deployment of key policies and technologies, and identifying key actions to accelerate their deployment.</p> <p>Panellists:</p> <p>New Buildings</p> <ol style="list-style-type: none"> Mr. Jeswynn Yogaratnam, Head of Policy Reform, Global Buildings Performance Network <p>Existing Buildings</p> <ol style="list-style-type: none"> Ms. Vu Thi Kim Thoa, Senior Expert GIZ, Programme for Energy Efficiency in Buildings (PEEB), Vietnam <p>Systems & Operations</p> <ol style="list-style-type: none"> Mr. Rio Jon Piter Silitonga, ASEAN Centre for Energy Ms. Ly Thi Phuong Trang, VISRAE’s Vice President cum Director General of Daikin Vietnam <p>Moderator: Dr. Ian Hamilton, University College London</p>
14:45 – 15:35 (50 mins)	<p>Roadmap Development Session - Part 2: Materials, Urban Planning and Resilience, Clean energy</p> <p>This session will include brief panellist interventions about successful practices in their regions of operations, followed by a discussion and Q&A session around the audience responses to a series of Menti polls. The poll questions are aimed at assessing current levels of deployment of key policies and technologies, and identifying key actions to accelerate their deployment.</p> <p>Panellists:</p> <p>Materials</p> <ol style="list-style-type: none"> Ms. Vu Thi Kim Thoa, Senior Expert GIZ, Programme for Energy Efficiency in Buildings (PEEB), Vietnam Ms. Joy Esther Gai Jiazi, Asia Pacific Programmes Head (Net Zero), World Green Buildings Council <p>Urban Planning, Resilience, Clean Energy</p> <ol style="list-style-type: none"> Mr. Brendan Coleman, Green Finance and Investment, Centre on Green Finance and Investment, OECD

	4. Mr. Brian Dean, Lead, Energy Efficiency and Cooling, Sustainable Energy for All Moderator: Ms. Maxine Jordan, International Energy Agency
15:35 – 15:40 (5 mins)	Summary and Next steps Ms. Maxine Jordan, International Energy Agency