

The Organisation for Economic Co-operation and Development (OECD) and the Department of Alternative Energy Development and Efficiency (DEDE) of the Ministry of Energy of Thailand

invite you to the

**Launch of the Clean Energy Finance and Investment Roadmap of Thailand**

followed by back-to-back workshops on

**Unlocking clean energy finance and investment in Thailand and South and Southeast Asia**

**Date: Wednesday 19 June 2024**

**Time: 8:30 AM – 5:00 PM (ICT)**

**Venue: Pathumwan Princess Hotel, Bangkok, Thailand  
(Ballroom A)**

## EVENT OVERVIEW

The [Organisation for Economic Co-operation and Development \(OECD\)](#), through its [Clean Energy Finance and Investment Mobilisation \(CEFIM\)](#) Programme, in collaboration with the Department of Alternative Energy Development and Efficiency (DEDE) of the Ministry of Energy of Thailand, has developed a [Clean Energy Finance and Investment Roadmap of Thailand](#), which provides a comprehensive overview of the progress to date and the challenges to mobilise near-term finance in small-scale renewable power and energy efficiency in buildings, with a focus on cooling. The Roadmap offers an action plan and recommendations to assist Thailand's transition towards a low-carbon economy and achieve broader development goals.

On **19 June 2024**, the OECD CEFIM Programme and DEDE will jointly host the launch of the **Clean Energy Finance and Investment Roadmap of Thailand** (“the Roadmap”) followed by two back-to-back workshops on:

- **Unlocking finance and investment in small-scale renewable energy and energy efficiency in Thailand;** and
- A regional peer-learning workshop on **Accelerating clean energy finance and investment in South and Southeast Asia through strengthened enabling conditions and sustainable finance.**

The event will serve as a forum to exchange ideas on the way forward for Thailand to unlock finance and investment in small-scale renewable power and energy efficiency, especially for cooling in buildings. The event will foster regional peer-learning dialogue among South and Southeast Asian countries on (i) lessons from developing Clean Energy Finance and Investment Reviews and Roadmaps and policy priorities moving forward, as well as (ii) the role of financial authorities in Southeast Asia in helping to unlock financing for clean energy.

## LOGISTICS

**Formats** The Roadmap launch and Thailand workshop will be held in-person, while the regional peer-learning workshop will be held in a hybrid format, both in-person and virtually. The Roadmap launch will be public, whereas the workshops will be held under Chatham House rule.

**Contacts**

- **Valentina Bellesi**, Policy Analyst, OECD – [valentina.bellesi@oecd.org](mailto:valentina.bellesi@oecd.org)
- **Preechaya Rassadanukul**, Senior Consultant, Creagy - [preechaya@thecreagy.com](mailto:preechaya@thecreagy.com)

**Registration** Due to limited space, registration is mandatory – please register [here](#).

**Meals** Lunch and coffee will be provided for participants.

**Language(s)** The event will be conducted in Thai and English, with simultaneous interpretation available

## BACKGROUND

In recent years, Thailand has stepped up its climate objectives and adopted ambitious clean energy targets. Thailand’s energy sector accounts for 69% of the country’s GHG emissions and will be an important driver of domestic emission reduction efforts to meet national climate and energy targets. Renewables, such as solar PV, are expected to play a key role in the transition toward a low-carbon energy mix. Alongside transitioning the power sector, progress on energy efficiency is needed to achieve the country’s emission reduction goals, especially for cooling in the building sector. Thailand’s clean energy targets as well as broader development objectives will require a rapid acceleration of finance and investment in renewable power and energy efficiency. It is estimated that the total investment in new renewable power required during 2022 - 2037 will amount to THB 779 billion (USD 22 billion) and investment in energy efficiency improvements in industrial, commercial, residential and agricultural sectors is predicted to reach THB 974 billion (USD 28 billion), over the same period.

In 2019, the OECD launched the [Clean Energy Finance and Investment Mobilisation Programme](#) to strengthen domestic enabling conditions to attract finance and investments in clean energy in selected emerging economies.<sup>1</sup> As part of this Programme, the OECD, in collaboration with the Department of Alternative Energy Development and Efficiency (DEDE) of the Ministry of Energy of Thailand, with support of the Thai consultancy The Creagy, and with funding from the Government of Denmark, developed the [Clean Energy Finance and Investment Roadmap of Thailand](#). The Roadmap provides recommendations on key actions needed to unlock finance and investment in small-scale renewable energy and energy efficiency in buildings and cooling applications in Thailand, building on several stakeholder consultations and strong engagement from the Thai government and other private and international stakeholders over the past two years. The report provides a comprehensive overview of the progress to date and the challenges to mobilise finance for Thailand to transition towards a low-carbon economy and achieve broader development goals.

## DRAFT AGENDA

Time (ICT)	Agenda item
8:30 - 9:00 AM	Registration and coffee
9:00 – 10:15 AM	Official Launch of the Clean Energy Finance and Investment Roadmap of Thailand
	<p>The event will start with the official public launch and presentation of the OECD <a href="#">Clean Energy Finance and Investment Roadmap of Thailand</a>, which outlines critical actions that the government of Thailand could consider to unlock finance and investment in two clean energy sectors: (i) renewable power, with a special attention to small-scale renewable power systems; and (ii) energy efficiency in buildings, with a focus on cooling applications.</p> <p><u>9:05 – 9:25 (AM): Opening remarks</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Apiradee Thammanomai</b>, Director of Strategy and Planning Division, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy of Thailand</li> </ul>

<sup>1</sup> Colombia, Egypt, India, Indonesia, the Philippines, South Africa, Thailand and Viet Nam. Please visit [Clean Energy Finance and Investment Mobilisation - OECD](#) for more information.

	<ul style="list-style-type: none"> <li>• <b>Mr. Yuval Laster</b>, Head of the Finance, Investment and Global Relations Division, Environment Directorate, OECD</li> </ul> <p><u>9:25 – 9:30 AM: Photo session</u></p> <p><u>9:30 – 9:55 AM: Presentation of the Roadmap</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Kannikar Srithunyalucksana</b>, Director, The Creagy</li> <li>• <b>Ms. Valentina Bellesi</b>, Policy Analyst, Clean Energy Finance and Investment, OECD</li> </ul> <p><u>9:55 – 10:15 AM: Q&amp;A</u></p>
10:15 - 10:30 AM	Coffee Break
<b>WORKSHOP ON UNLOCKING FINANCE AND INVESTMENT IN SMALL-SCALE RENEWABLE ENERGY AND ENERGY EFFICIENCY IN THAILAND</b>	
10:30 - 11:45 AM	<b>Session 1. A Roadmap Action Plan for unlocking finance and investment in small-scale renewables in Thailand: Next steps</b>
	<p>While Thailand has made important strides to deploy large-scale renewable power capacity over the past decade, significant progress remains needed to de-risk and unlock financing for small-scale renewable power systems. Deployment of small-scale renewables systems, especially rooftop solar photovoltaic (PV) systems, can increase energy security, deliver energy cost savings, provide green jobs for local businesses and improve access to clean power in underserved rural communities and off-grid islands. This session will discuss ways to translate the Roadmap recommendations into short-term, implementable actions. The workshop will aim to identify opportunities to operationalise and kick off the implementation of some of the financing mechanisms identified in the Roadmap to accelerate small-scale renewable power, such as credit guarantee schemes targeted at micro-, small- and medium-sized enterprises (MSMEs) as well as pay-as-you-go (PAYG) models.</p> <p><u>Moderator</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Kannikar Srithunyalucksana</b>, Director, The Creagy</li> </ul> <p><u>Panellists</u></p> <ul style="list-style-type: none"> <li>• <b>Mr. Arkorn Soikaew</b>, Scientist, Professional Level, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy of Thailand</li> <li>• <b>Mr. Tanai Potisat</b>, Founder, ReCharge</li> <li>• <b>Ms. Supawan Saelim</b>, Project Manager, Energy Policy Southeast Asia, Agora Energiewende</li> <li>• <b>Mr. Rapeepat Ingkasit</b>, Head of Research, Climate Finance Network Thailand (CFNT)</li> </ul> <p><u>Questions for discussion</u></p> <ul style="list-style-type: none"> <li>• What would be the optimal characteristics of a green credit guarantee scheme for small-scale renewable energy projects?</li> <li>• What are potential guarantee take-up challenges faced by ESCOs and MSMEs?</li> <li>• How to scale up the PAYG pilots already conducted in Thailand?</li> </ul>
11:45 – 1:00 PM	Lunch

1:00 – 2:00 PM	<b>Session 2: A Roadmap Action Plan for unlocking finance and investment in energy-efficient buildings and cooling appliances in Thailand: Next steps</b>
	<p>The Thai building sector represented on average approximately 25% of the total electricity consumed in Thailand in 2019 and cooling applications make up for over half of the Thai commercial building sector’s energy consumption. Thailand is one of the leading energy efficiency markets in Southeast Asia and has a large air conditioning manufacturing industry with a deep local supply chain. Thailand also has a vibrant private energy service companies (ESCOs) market, although it is still nascent and requires further support to achieve greater scale. This session will focus on identifying key steps and strategic priorities to operationalise the recommendations put forward in the Clean Energy Finance and Investment Roadmap of Thailand. This session will gather experts’ feedback on key next steps to implement the financing models identified in the Roadmap, for example on-bill financing, bulk procurement and green bonds.</p> <p><u>Moderator</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Kannikar Srithunyalucksana</b>, Director, The Creagy</li> </ul> <p><u>Panellists</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Chalermkluk Jitrumpueng</b>, Engineer, Senior Professional Level, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy of Thailand</li> <li>• <b>Mr. Suchai Buranavalahok</b>, Senior Investment Officer, Global Green Growth Institute (GGGI)</li> <li>• <b>Mr. Peerasut Thirakomen</b>, Vice President and Public Relations, Thai ESCO Association</li> </ul> <p><u>Questions for discussion</u></p> <ul style="list-style-type: none"> <li>• What would be the initial next steps for the operationalisation of an on-bill financing programme to encourage the uptake of energy efficient cooling appliances?</li> <li>• What would be the ideal conditions of a bulk procurement model for energy-efficiency cooling appliances, leveraging the expertise of the nascent private ESCO market?</li> <li>• What would be needed to foster the issuance of green bonds for the building sector?</li> </ul>
2:00 - 2:15 PM	Coffee Break
<b>REGIONAL PEER-LEARNING WORKSHOP ON ACCELERATING CLEAN ENERGY FINANCE AND INVESTMENT IN SOUTH AND SOUTHEAST ASIA THROUGH STRENGTHENED ENABLING CONDITIONS AND SUSTAINABLE FINANCE</b>	
2:15 - 3:30 PM	<b>Session 1: Strengthening enabling conditions for clean energy finance and investment in South and Southeast Asia and lessons from Clean Energy Finance and Investment Roadmaps and Policy Reviews in the region</b>

	<p>To support the clean energy transition in the region, the OECD developed a series of Clean Energy Finance and Investment Policy Reviews and Clean Energy Finance and Investment Roadmaps for different countries in the region, namely <a href="#">Thailand</a>, <a href="#">the Philippines</a>, <a href="#">India</a>, <a href="#">Indonesia</a> and <a href="#">Viet Nam</a>, with funding from the Government of Denmark, as well as Germany (in the Philippines). To help realise the clean energy transition in South and Southeast Asia and enable the necessary mobilisation of finance and investment, governments throughout the region have established net-zero and renewable energy targets. This session of the regional peer-learning event will provide a platform to discuss lessons learnt from the different Roadmaps and Reviews as well as to exchange on good policy practices on clean energy finance mobilisation for the achievement of their climate commitments and targets.</p> <p><u>Moderator</u></p> <ul style="list-style-type: none"> <li>• <b>Ms. Geraldine Ang</b>, Team Lead, Clean Energy Finance and Investment Mobilisation (CEFIM) Programme, OECD</li> </ul> <p><u>Panellists</u></p> <ul style="list-style-type: none"> <li>• <b>Mr. Wisaruth Maethasith</b>, Engineer, Professional Level, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy of Thailand</li> <li>• <b>Ms. Eniya Listiani Dewi</b>, Director General of New, Renewable Energy, and Energy Conservation, Ministry of Energy and Mineral Resources, government of Indonesia (virtual participation)</li> <li>• <b>Mr. Francis Richard Rabulan</b>, Planning Division, Energy Policy and Planning Bureau, Department of Energy, government of the Philippines (virtual participation)</li> <li>• <b>Mr. Shri P Shyam Sunder</b>, Director, Bureau of Energy Efficiency, Government of India (virtual participation)</li> </ul> <p><u>Questions for discussion</u></p> <ul style="list-style-type: none"> <li>• What are the latest policy developments in the field of clean energy finance and investment in South and Southeast Asia?</li> <li>• Which policies and regulations have proven most effective in driving private capital towards clean energy transition in the region, and how can these strategies be replicated to generate positive spill-over effects across different countries in the region?</li> <li>• How have the Reviews and Roadmaps on Clean Energy Finance and Investment and follow-up implementation support activities helped to catalyse action for policy development and reform?</li> </ul>
<p><b>3:30 – 4:45 PM</b></p>	<p><b>Session 2: Regional Peer-learning: Accelerating sustainable finance for the clean energy transition in Southeast Asia</b></p>
	<p>Policy makers, central banks and other financial regulators and supervisors in the region have developed a suite of measures and policies to incentivise sustainable finance. While sustainable finance experienced fast growth and expansion in Southeast Asia, sustainable debt and equity markets remain relatively small and difficult to access by micro, small and medium-sized enterprises (MSMEs). This session of the regional peer-learning event will focus on sharing knowledge and experience with sustainable finance policies (e.g. taxonomies and disclosure frameworks, amongst others).</p> <p><u>Moderator</u></p>

	<ul style="list-style-type: none"> <li>• <b>Ms. Valentina Bellesi</b>, Policy Analyst, Clean Energy Finance and Investment Mobilisation (CEFIM) Programme, OECD</li> </ul> <p><u>Panellists</u></p> <ul style="list-style-type: none"> <li>• <b>Mr. Paiboon Dumrongwaree</b>, Assistant Secretary-General, Securities and Exchange Commission of Thailand</li> <li>• <b>Ms. Lyn Javier</b>, Assistant Governor, Policy and Specialized Supervision Sub-Sector, Central Bank of the Philippines (virtual participation)</li> <li>• <b>Mr. Eugene Wong</b>, Chief Executive Officer, Sustainable Finance Institute Asia</li> </ul> <p><u>Questions for discussion</u></p> <ul style="list-style-type: none"> <li>• What are the latest policy developments in the field of sustainable finance in Southeast Asia?</li> <li>• What is missing in the sustainable finance regulatory architecture in the region?</li> <li>• What incentives could be provided to further encourage the development and use of sustainable financial products for clean energy?</li> </ul>
<b>4:45 – 5:00 PM</b>	<b>Closing remarks</b>
	<ul style="list-style-type: none"> <li>• <b>Mr. Yuval Laster</b>, Head of the Finance, Investment and Global Relations Division, Environment Directorate, OECD</li> </ul>
<b>5:00 PM</b>	<b>END OF EVENT</b>

## ABOUT THE OECD CLEAN ENERGY FINANCE AND INVESTMENT MOBILISATION (CEFIM) PROGRAMME

The [Organisation for Economic Co-operation and Development \(OECD\)](#) is an international organisation that works to build better policies for better lives. Our goal is to shape policies that foster prosperity, equality, opportunity and well-being for all. We draw on 60 years of experience and insights to better prepare the world of tomorrow. Together with governments, policy makers and citizens, we work on establishing evidence-based international standards and finding solutions to a range of social, economic and environmental challenges. The OECD provides a unique forum and knowledge hub for data and analysis, exchange of experiences, best-practice sharing, and advice on public policies and international standard-setting. The OECD brings together Member countries and a range of partners that collaborate on key global issues at national, regional and local levels. OECD countries and Key Partners represent about 80% of world trade and investment. Through our standards, programmes and initiatives, we help drive and anchor reform in more than 100 countries around the world.

Launched in 2019, the OECD [Clean Energy Finance and Investment Mobilisation \(CEFIM\)](#) Programme works with selected emerging economies (Colombia, Egypt, India, Indonesia, South Africa, the Philippines, Thailand and Viet Nam) to mobilise private finance and investments in clean energy, including renewable power, energy efficiency and decarbonisation of industry. The CEFIM programme is supported financially by the Governments of Canada, Denmark and Germany, as well as Australia and Egypt. Through tailored, demand-driven analysis and stakeholder engagement in developing activities such as Clean Energy Finance and Investment Policy Roadmaps, the CEFIM Programme engages key public and private stakeholders to understand outstanding barriers and discuss policy priorities to strengthen domestic enabling conditions for clean energy finance and investment. Then, through follow-up, demand-driven implementation support activities such as capacity building or knowledge sharing workshops, the OECD CEFIM Programme helps addressing barriers and implementing solutions.

CEFIM country work is intended to support the development of clean energy projects and are grouped around the following four main activities: i) the development of a Clean Energy Finance and Investment Policy Review or

Roadmap, ii) implementation support activities, iii) investor dialogues, and iv) regional peer-learning. Each country programme is demand-driven and developed in close collaboration with partner countries to meet individual country priorities and to address existing gaps in policy development, capacity, data, and analysis.

Besides country activities, the OECD CEFIM Programme also commits to improving capacity building and sharing of experiences at both sectoral and regional levels across a range of cross-cutting topics, from blended finance to decarbonisation of the manufacturing industry, while ensuring that the transition to clean energy resources is inclusive and just for the society and the economy.