



# ASEAN energy transition progress against its targets and the role of regional cooperation in advancing energy transition

REGIONAL PRE-COP 28 POLICY DIALOGUE

"Advancing regional cooperation in Southeast Asia's Energy Transition to meet the Paris Agreement Goals in 2030"  
9:00 – 11:00 Hanoi, Jakarta time (GMT+7), Wednesday 9 October 2023

Beni Suryadi

E: [benisuryadi@aseanenergy.org](mailto:benisuryadi@aseanenergy.org)



One Community  
for Sustainable  
Energy



# Introduction

Established on 1 January 1999, the ASEAN Centre for Energy (ACE) is an intergovernmental organisation within the Association of Southeast Asian Nations' (ASEAN) structure that represents the 10 ASEAN Member States' (AMS) interests in the energy sector.



ACE shall accelerate the integration of **energy strategies** within ASEAN by providing relevant information and expertise to ensure the necessary energy policies and programmes are in **harmony** with the **economic growth** and the **environmental sustainability** for the region.



## Catalyst

To unify and strengthen ASEAN Energy Cooperation by providing:

- Platform for Sharing
- Policy Advisory
- Best Practices
- Capacity Building



## Knowledge Hub

To provide a knowledge repository for ASEAN Member States (AMS) and services through:

- Data Management
- Publication
- Dissemination



## Think tank

To assist AMS on research and identifying practical & specific solution on:

- Policies
- Legal & Regulatory Frameworks
- Technologies
- Innovative Solutions

# Regional blueprint for the energy cooperation in the ASEAN








## ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025 Phase 2: 2021-2025

- Theme: “Enhancing Energy Connectivity and Market Integration in ASEAN to Achieve Energy Security, Accessibility, Affordability and Sustainability for All”.
- Sub-theme: “Accelerating Energy Transition and Strengthening Energy Resilience through Greater Innovation and Cooperation.”

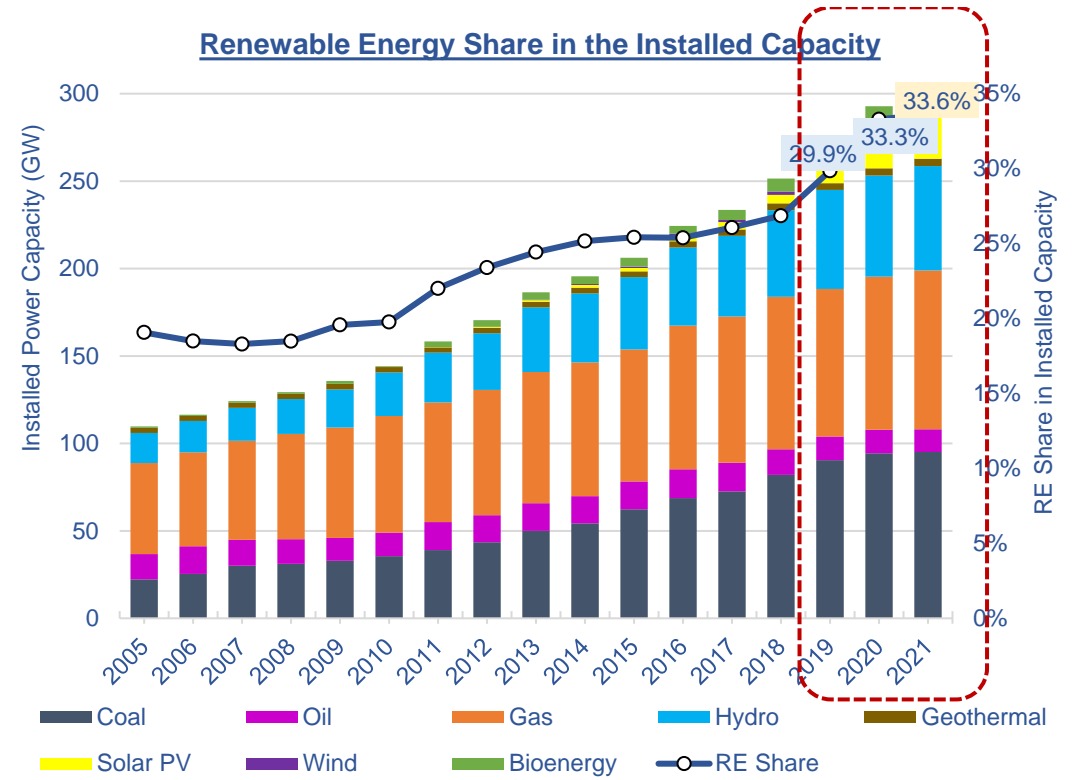
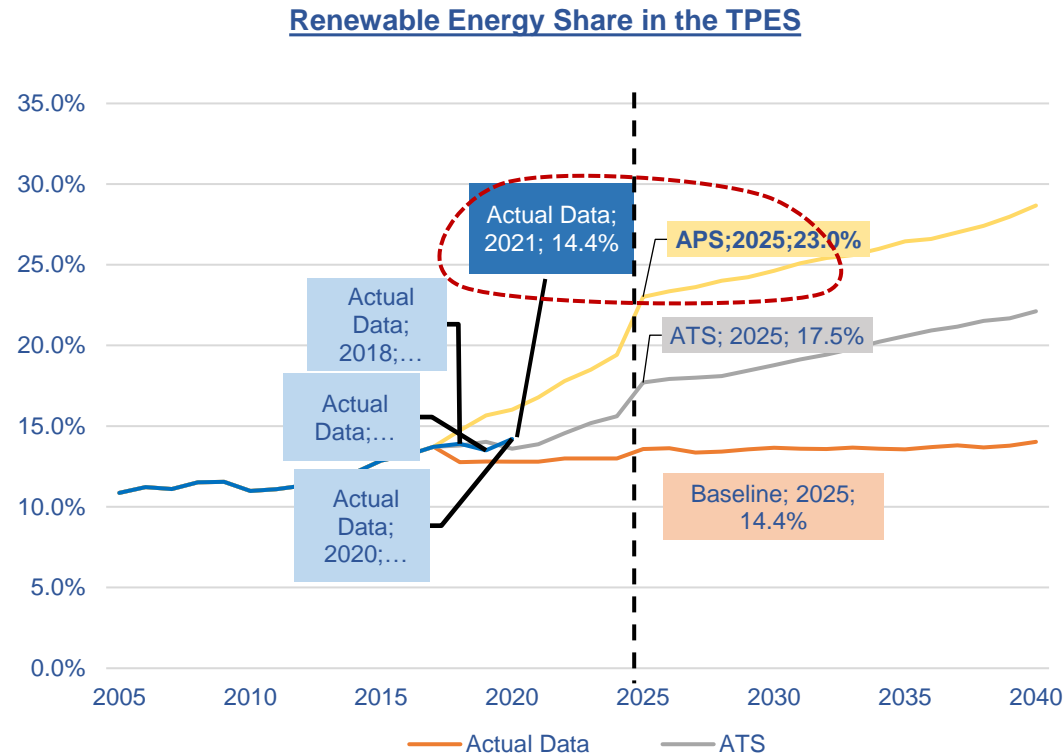


ASEAN PLAN OF ACTION FOR ENERGY COOPERATION (APAEC) 2016-2025 PHASE II: 2021-2025



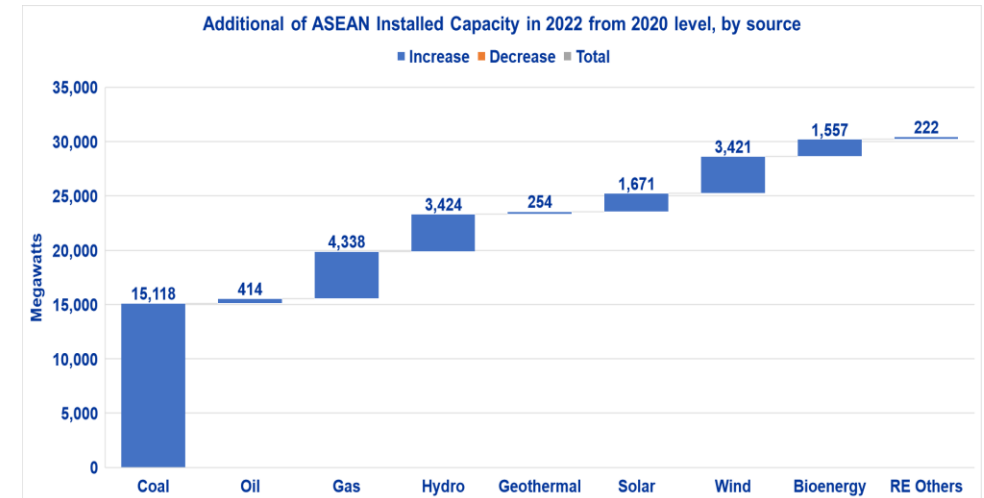
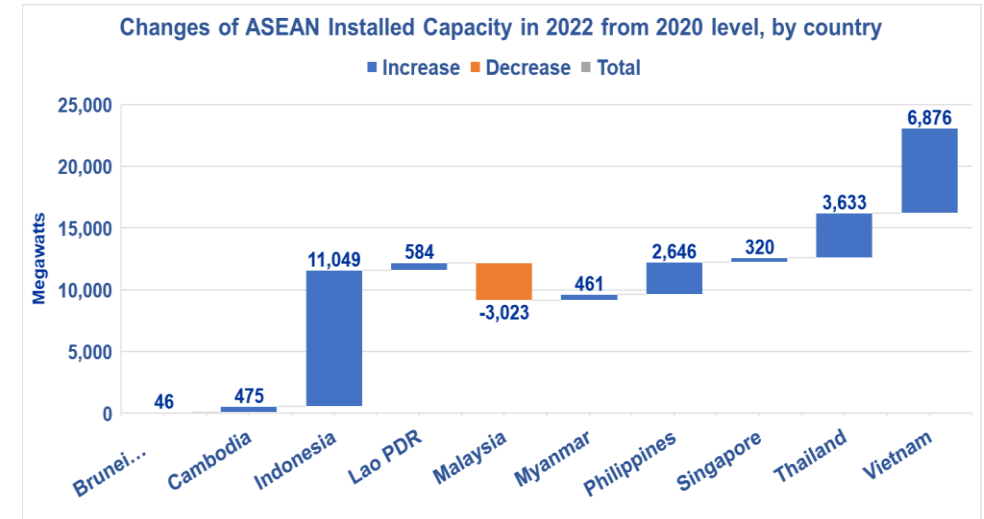
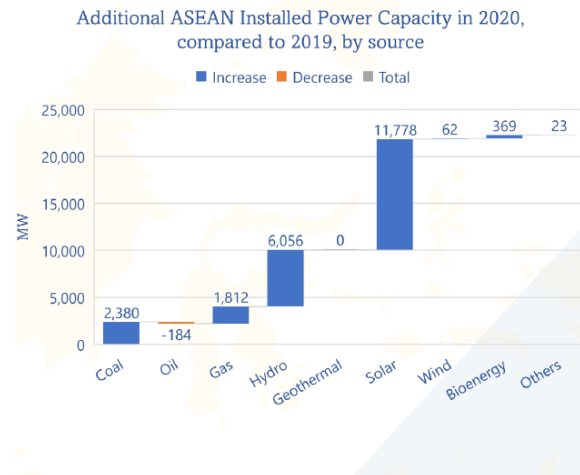
 <b>ASEAN Power Grid</b>	<p>To expand regional multilateral electricity trading, strengthen grid resilience and modernisation, and promote clean and renewable energy integration.</p>	 <b>Energy Efficiency and Conservation</b>	<p>To reduce energy intensity by 32% in 2025 based on 2005 levels and encourage further energy efficiency and conservation efforts, especially in transport and industry sectors.</p>
 <b>Trans-ASEAN Gas Pipeline</b>	<p>To pursue the development of a common gas market for ASEAN by enhancing gas and LNG connectivity and accessibility.</p>	<div>  <b>Renewable Energy</b> <p>To achieve aspirational target for increasing the component of renewable energy to 23% by 2025 in the ASEAN energy mix, including through increasing the share of RE in installed power capacity to 35% by 2025.</p> </div>	
 <b>Coal and Clean Coal Technology</b>	<p>To optimise the role of clean coal technology in facilitating the transition towards sustainable and lower emission development.</p>	 <b>Regional Energy Policy and Planning</b>	<p>To advance energy policy and planning to accelerate the region's energy transition and resilience.</p>
		 <b>Civilian Nuclear Energy</b>	<p>To build human resource capabilities on nuclear science and technology for power generation.</p>

# Tracking the progress of ASEAN RE targets



A progress on installed power capacity (33.6% now vs 35% target in 2025),  
but much efforts needed for the whole energy mix (14.4% vs 23%).

# Reversing the progress ... or alignment?



# Bottleneck on financing clean energy

Figure 2.15. Renewable Energy Investments in the AMS (excluding Brunei Darussalam), 2000-2020 (2020 Real Price USD billion)

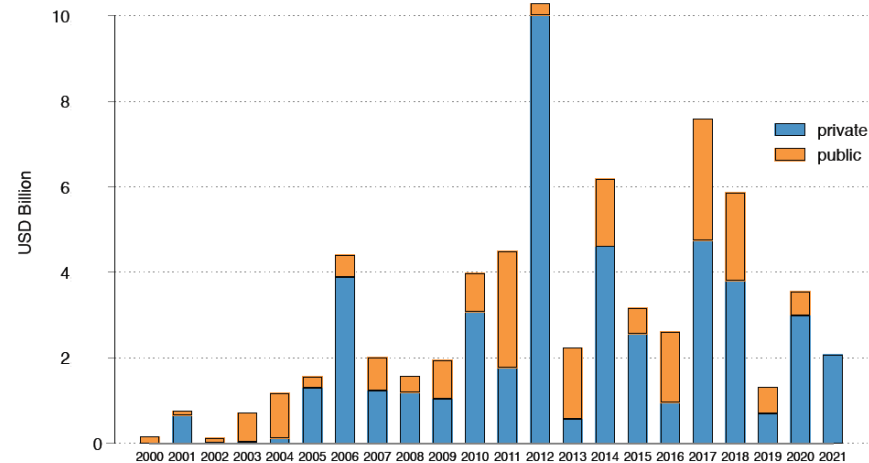
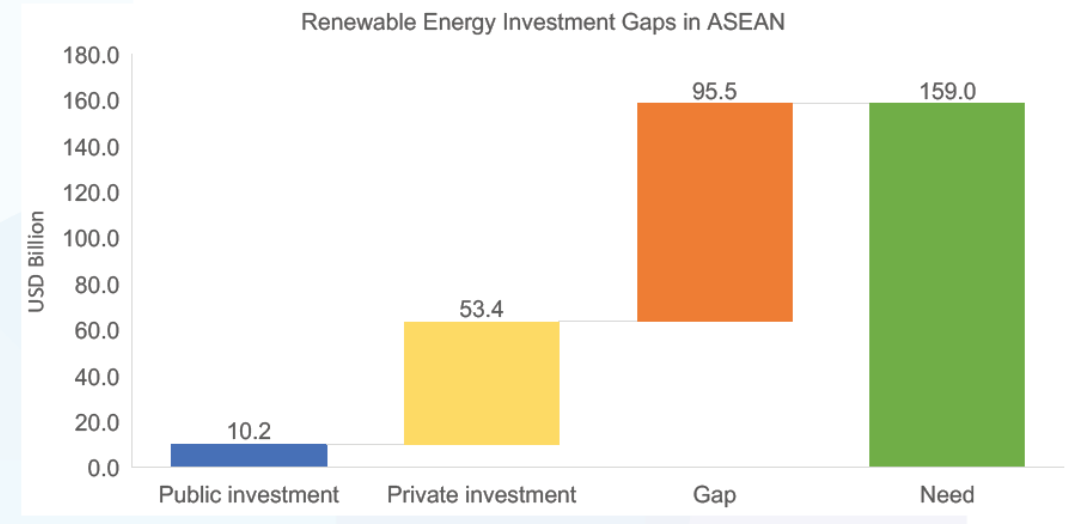
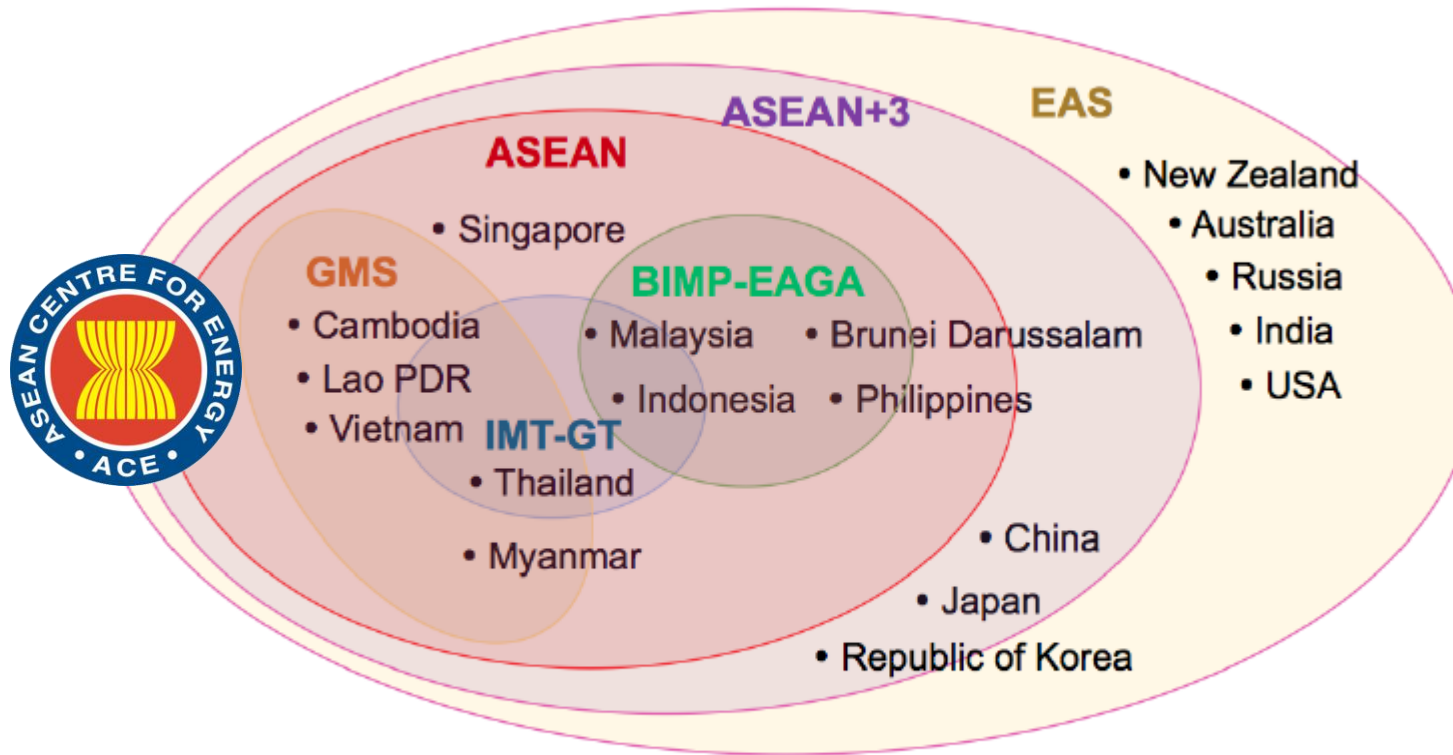


Figure 2.17. Clean Energy Investment Gap in ASEAN, 2021-2030 (2022 Real Price USD billion)



Private investment has been the main driver behind ASEAN's RE investment, but still significant gap need to be filled.

# Regional efforts to escalate the energy transition



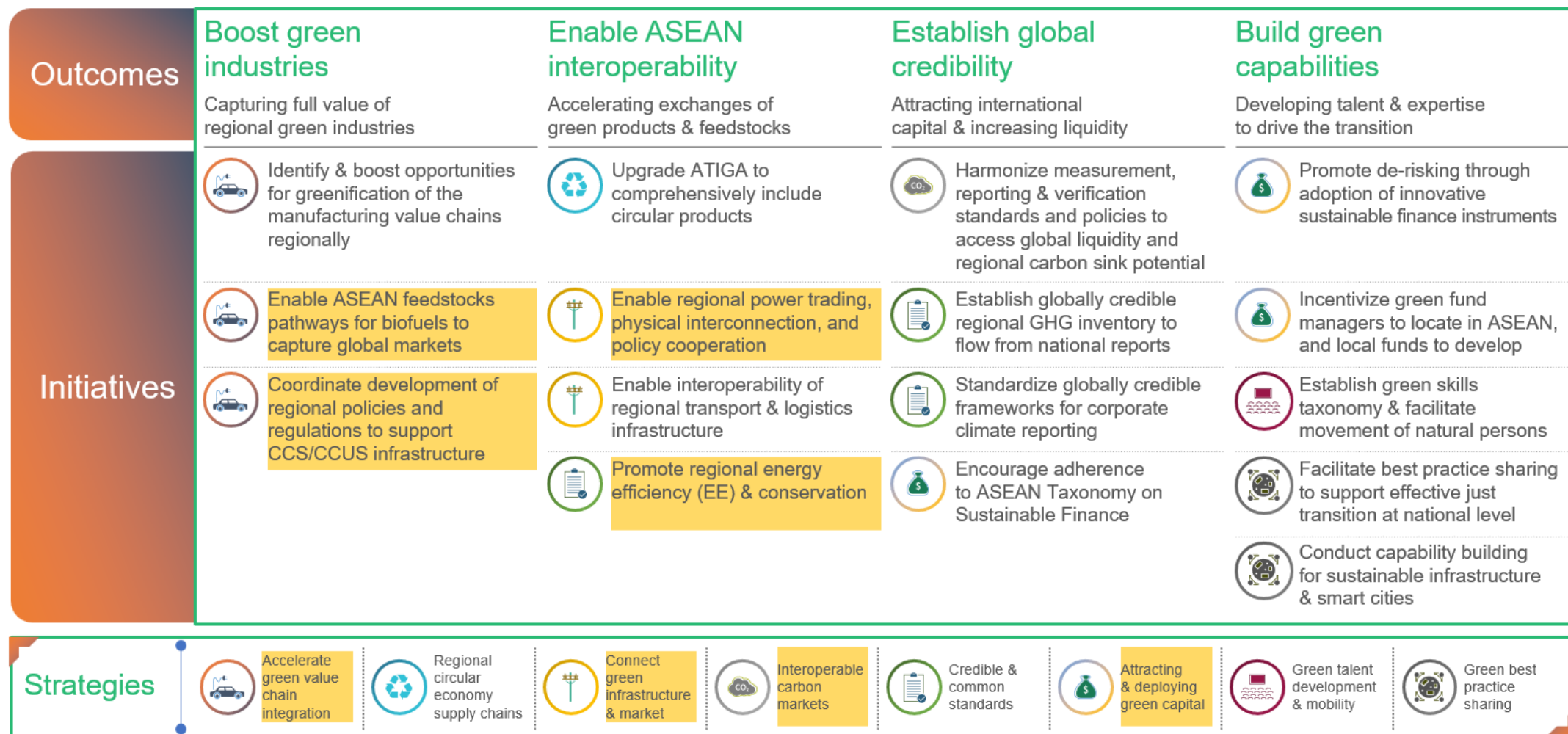
A regional approach is a coordinated energy cooperation that considers country-specific circumstances and characteristics.

Figure 3.1 – Regional Cooperation Initiatives in Southeast Asia



# ASEAN Strategy for Carbon Neutrality

Identifies 8 regional strategies and 16 specific initiatives will deliver 4 key outcomes



Reference: [ASEAN charts course for a sustainable future with ambitious ASEAN Strategy for Carbon Neutrality - ASEAN Main Portal](#)





## **ASEAN Centre for Energy**

Soemantri Brodjonegoro II Building, 6th fl.,  
Directorate General of Electricity,  
Jl. HR. Rasuna Said Blok X-2, Kav. 07-08,  
Jakarta 12950, Indonesia



Tel: (62-21) 527 9332 | Fax: (62-21) 527 9350



[www.aseanenergy.org](http://www.aseanenergy.org)

