Clean, Affordable and Secure Energy for Southeast Asia (CASE)

ASEAN Outlook for Zero Carbon Energy – Feb 09, 2022

Simon Rolland – Programme Director, GIZ
Introduction to CASE
CASE Countries and Regional

4 countries:
- Vietnam
- Indonesia
- Philippines
- Thailand

Supported by an international / regional secretariat
CASE Countries and Regional

Coordinator

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Regional Implementing Partners

Agora Energiewende

NEW CLIMATE INSTITUTE

Aligned programme of

ENERGY TRANSITION PARTNERSHIP

National Implementing Partners

IESR

INSTITUTE FOR CLIMATE AND SUSTAINABLE CITIES

TDRI THAILAND DEVELOPMENT RESEARCH INSTITUTE

ENERGY RESEARCH INSTITUTE

VIET

Vietnam Initiative for Energy Transition
About the CASE programme

Objective: The narrative of the direction of the energy sector in Southeast Asia has substantially shifted towards an evidence-based energy transition, aiming to increase political ambition to comply with the Paris Agreement.

Outputs

- **Research and Evidence**: The evidence base for an energy transition in SEA is improved.
- **Transparency and Mapping**: Synergies between different energy transition activities in the region are maximized due to increased transparency and cooperation.
- **Dialogue Non-energy sector**: The dialogue on energy transition within government bodies is improved.
- **Technical Assistance (energy)**: The capacities of key energy sector stakeholders to undertake an energy transition are strengthened.
- **Promoting public discourse**: A public discourse on energy transition is established.
Next steps for CASE
Southeast Asia Information Platform for Energy Transition (SIPET)

• **What:**
  An interactive platform for the Energy Transition movement in Southeast Asia

• **When:**
  • Currently: development phase
  • Launch foreseen Q2 2022

• **Who:**

<table>
<thead>
<tr>
<th>Donors, donor programs</th>
<th>Academia, think tanks, NGOs</th>
<th>Private sector firms</th>
<th>Banks, investors, fund managers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiatives (govt., corporate, NGO)</td>
<td>Associations (trade, consumer, etc.)</td>
<td>International Financial Institutions</td>
<td>Technical experts</td>
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Southeast Asia Information Platform for Energy Transition (SIPET)

Energize Society Using Sustainable & Renewable Energy

One platform to get all the renewable energy information

Find out more →

Early Mock-up of SIPET Home Page - For Illustration Only

RECENT UPDATES
- Green hydrogen could be the cheapest method for steel production by 2050 - SIPET
- Google signs deal to buy power from Orkney’s German offshore wind farm
- How traditional power behemoths are transitioning to renewable energy
- Solar advocates, Dale-Energy reach net metering agreement in North Carolina

ABOUT SIPET -
Regional SEA Energy Transition Dialogue

• **What:**
  • Taking inspiration from the expertly organised and greatly effective annual *Indonesia Energy Transition Dialogues*, ran by IESR
  • Transferring the concept to the Southeast Asia regional level

• **When:**
  • Multi-day event (*in-person / hybrid / virtual tbd*)
  • Nov 2022

• **Who:**
  • In an inclusive format, bringing together both experts from the energy field as well as others having a stake in the energy transition
Selected research activities 2022

• **Power Sector Review:**
  • To build up a (potentially open source) power sector database of ten ASEAN countries

• **International Finance Mapping:**
  • Map and capture key data and information on the finance and investment environment related to the energy transition in Indonesia, Philippines, Thailand and Vietnam

• **Role of gas:**
  • Demand-side: long-term potential pathways of gas demand across the power
  • Supply-side: need for net-zero emissions to impact the shift towards other energy carriers and energy conversion technologies (replacing gas)
## Country activities 2022

<table>
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<tr>
<th>Country</th>
<th>Themes/research priorities</th>
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               • **Decarbonization of Fossil Fuels**: Coal Phase Down, Just Transition.  
               • **Sustainable Energy Finance**: De-Risking Investments for RE, Finance for energy system, Climate Finance. |
| Philippines | • Impact study on **grid flexibilities**.  
               • **Technical Reports/repackaging of evidence** (Comparative Assessment of Baseload Coal and Variable Renewable Generating Technologies)  
               • Capacity building for energy stakeholders: **LEAP training**. |
| Vietnam     | • Study on **Long-term Energy Planning and co-benefits** of energy transition.  
               • Study on **Power grid planning and investment**.  
               • Study on **mechanisms for investing** in clean power supply.  
               • Capacity building for energy and non-energy stakeholders. |
| Thailand    | • **De-carbonization roadmap** (defining long term pathway and implementation plan, modeling analysis, and stakeholder consultation).  
               • **Derisking renewables investment**.  
               • Capacity building for energy and non-energy stakeholders. |
Contact Us

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