

ASEAN Regional Energy Blueprint and Clean Energy Transition

2019 International Forum on Long-term Energy Scenarios for the Clean Energy Transition

Berlin, 10-12 April 2019



**One Community
for Sustainable
Energy**



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Regional Energy Blueprint

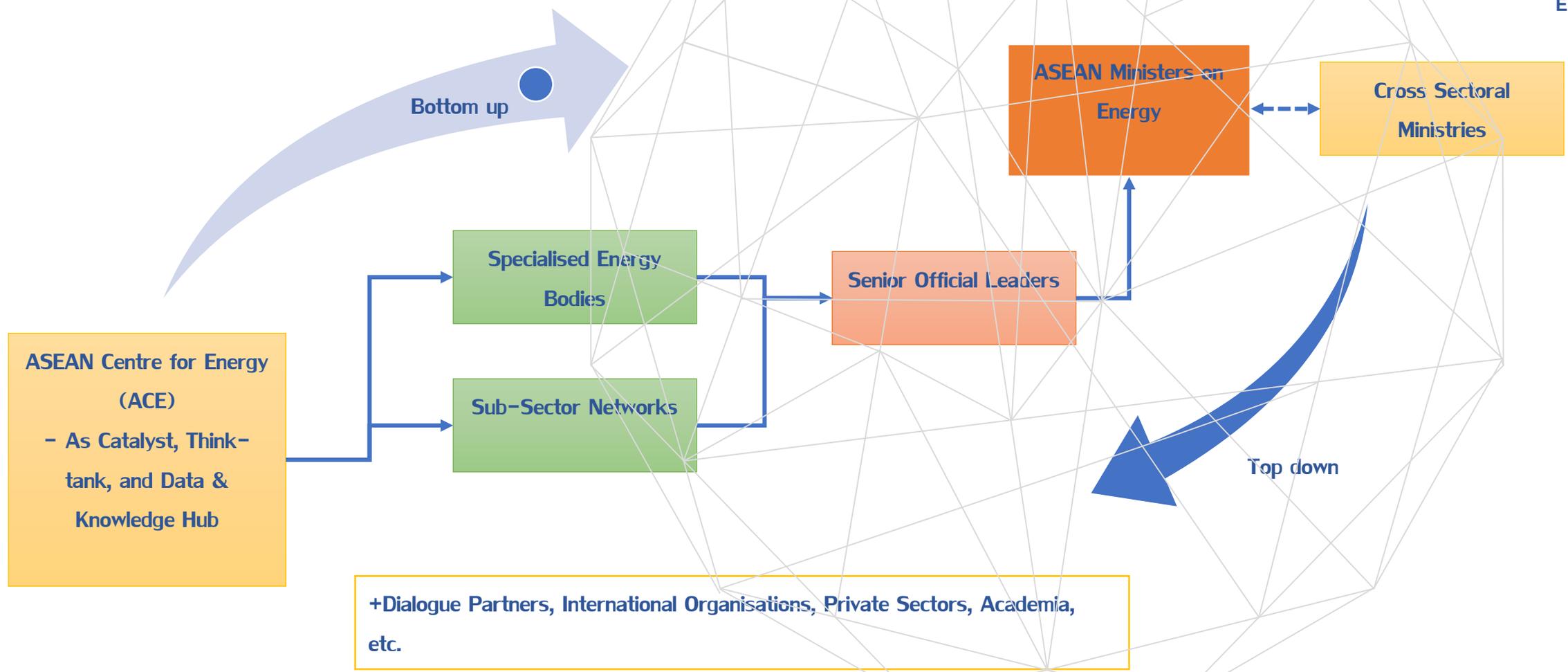
ASEAN Plan of Action for Energy
Cooperation (APAEC) 2016–2025
→ “Enhancing Energy Connectivity and
Market Integration in ASEAN to Achieve
Energy Security, Accessibility, Affordability
and **Sustainability for All.**”

- 01** **ASEAN Power Grid**
To initiate multilateral electricity trade.
- 02** **Trans ASEAN Gas Pipeline**
To enhance connectivity for gas security and accessibility.
- 03** **Cleaner Coal Technology**
To enhance the image of coal through promotion of CCT.
- 04** **Energy Efficiency & Conservation**
To reduce EI by 20% in 2020 based on 2005 level.
- 05** **Renewable Energy**
To increase RE to 23% by 2025 in Energy Mix.
- 06** **Regional Energy Policy & Planning**
To better profile the energy sector internationally.
- 07** **Civilian Nuclear Energy**
To build capabilities in policy, technology and regulatory.



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Communication & Directives Framework





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Energy Transition Directives



**Cumulative Individual
Country Targets**



Regional Aspirational Target



**Four Dimension of
APAEC Goals**

Energy Security, Affordability, Accessibility and Sustainability for All



Global Commitment

Paris Agreement (1.5deg) Scenario

Finding from our recent study: Networks are the key!

Figure A1.8 Regional Interconnection comprehensive benefit model structure diagram

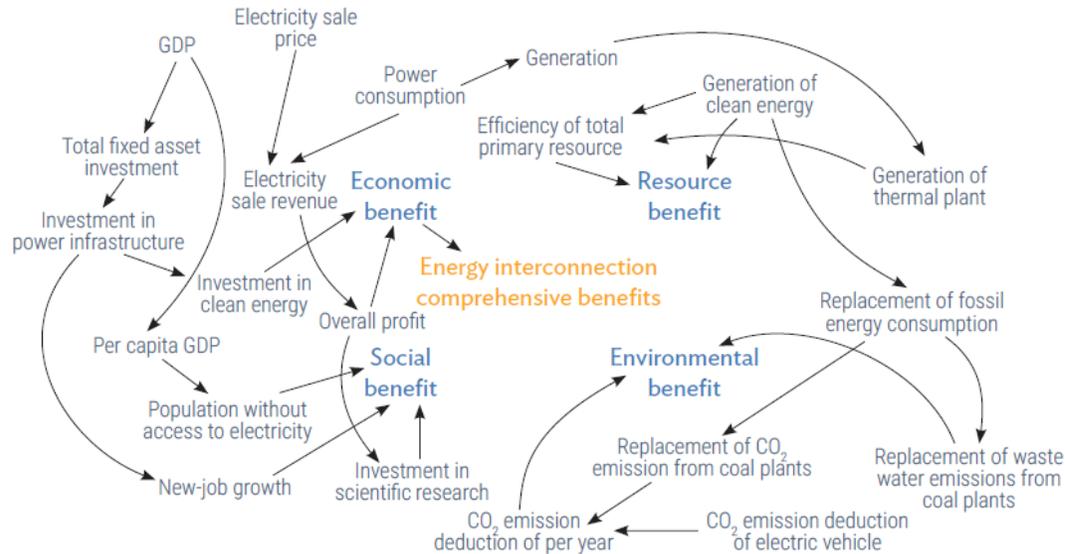
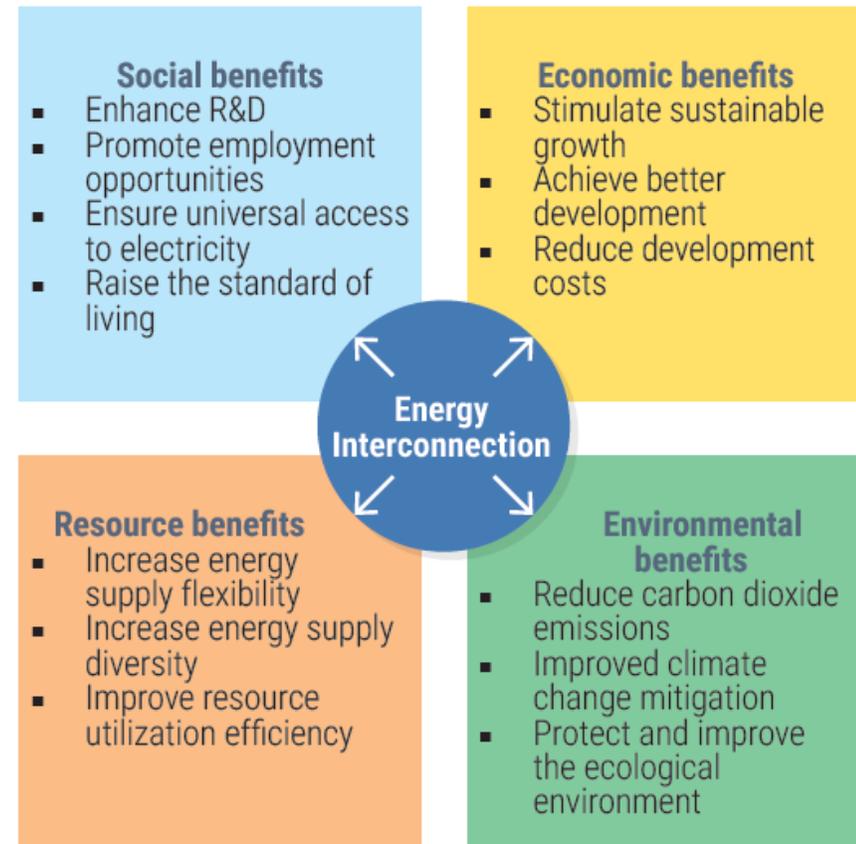


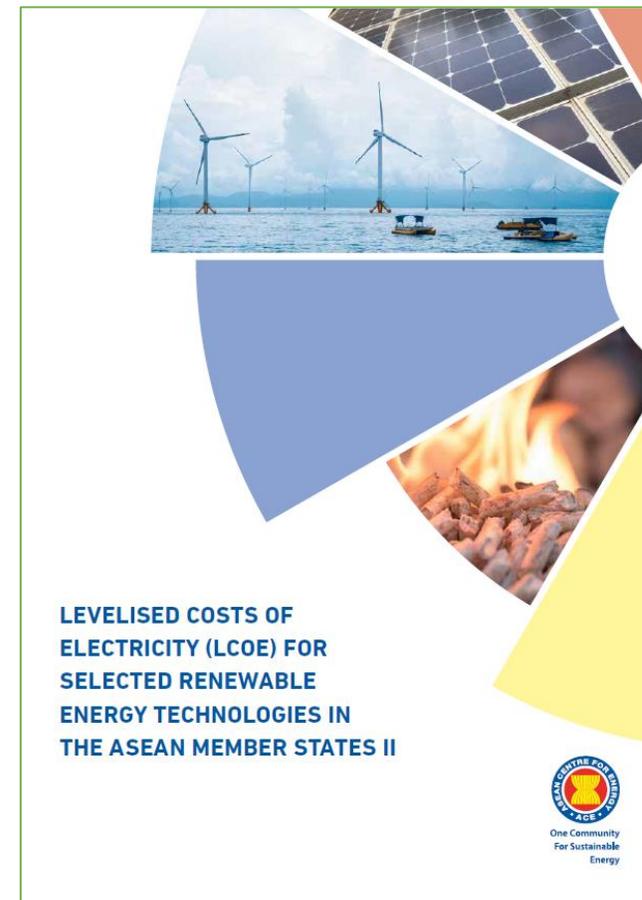
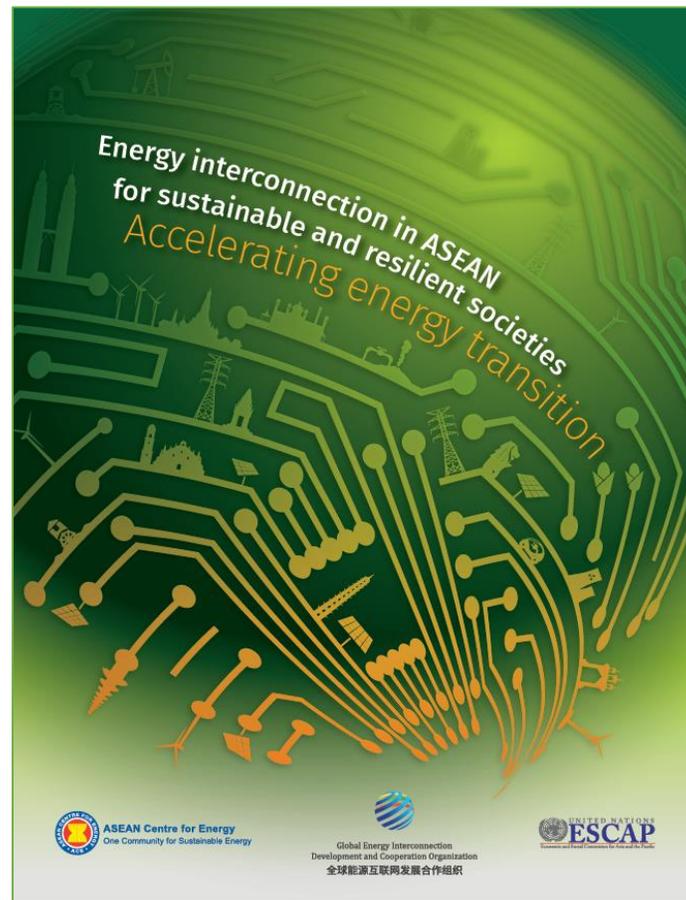
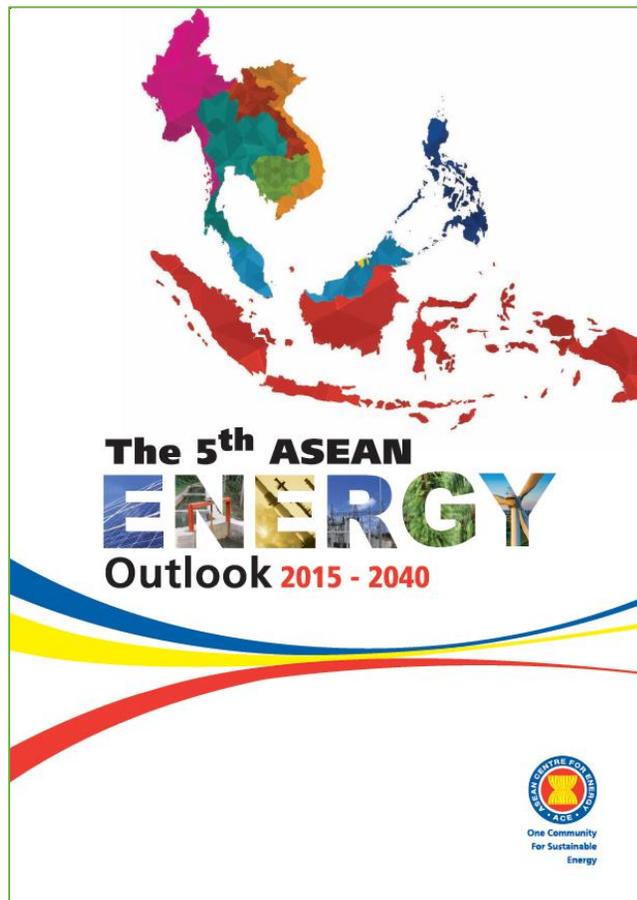
Figure 5.1 Analytical framework for analysis of interconnection benefits

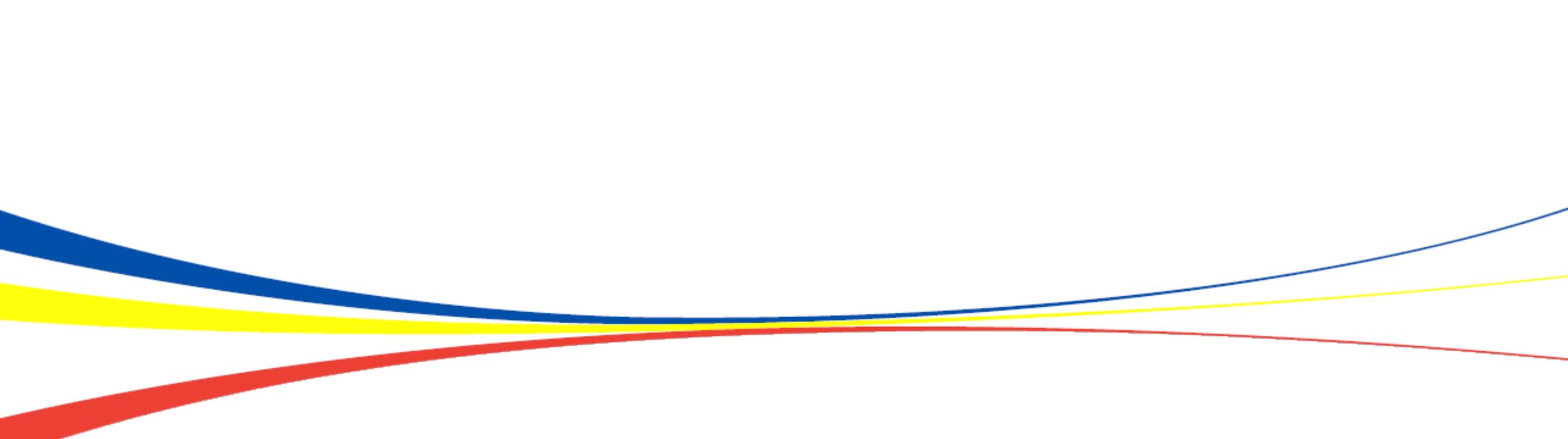




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Some reading materials ...





Thank you!

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