

# **Southeast Asia Energy Outlook 2022**

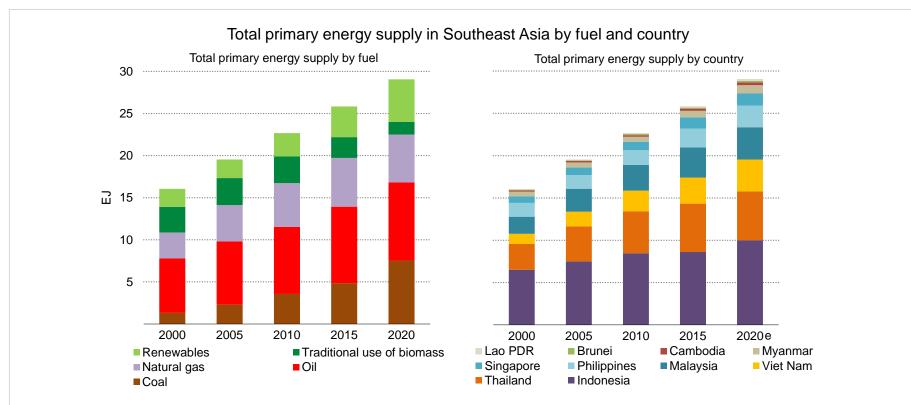
May 2022

International Energy Agency

#### Context

- The IEA and ASEAN celebrated ten years of cooperation in late 2021, with Energy Ministers and the Executive Director noting the wide-ranging scope & achievements of the relationship, including the IEA's designation as ASEAN's 'strategic partner'.
- The Southeast Asia Energy Outlook 2022 is the fifth edition of this World Energy Outlook Special Report published on a regular basis since 2013.
- Since the last dedicated Southeast Asia report in 2019, the region's policymakers have taken on new, ambitious policy commitments but countries have also been severely affected by the Covid-19 pandemic and, more recently, high and volatile prices exacerbated by Russia's invasion of Ukraine.
- This report explores possible trajectories for the region, based on IEA scenarios:
  - The Stated Policies Scenario (STEPS) explores the implications of today's policy landscape
  - The Sustainable Development Scenario (SDS) reflects the region's new climate policy ambitions

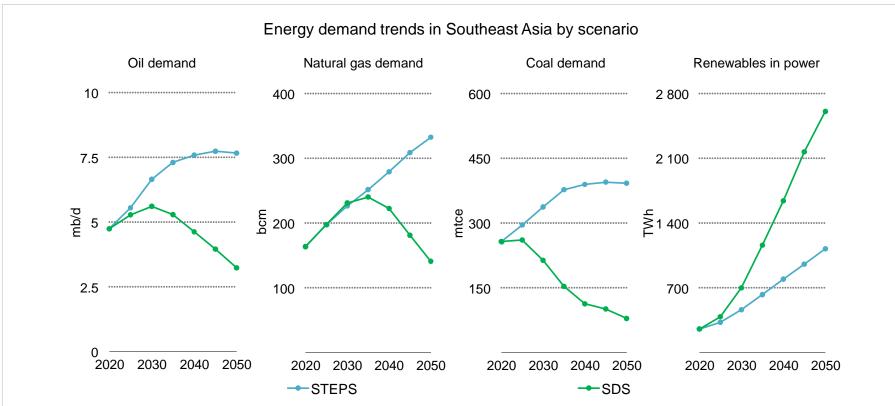
# Southeast Asia is an emerging heavyweight of global energy



The 10 member economies of the Association of Southeast Asian Nations (ASEAN) are among the world's fastest growing, but there are strong country-by-country economic and energy variations

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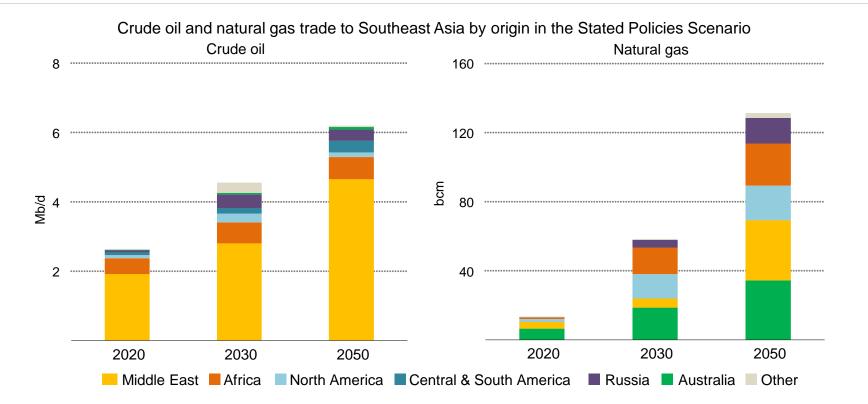
# Announced climate ambitions have huge implications for energy



Today's policy settings in the STEPS imply continued strong reliance on fossil fuels to meet future demand growth; meeting new net zero goals will require major efforts to improve efficiency & switch to low emissions power & fuels

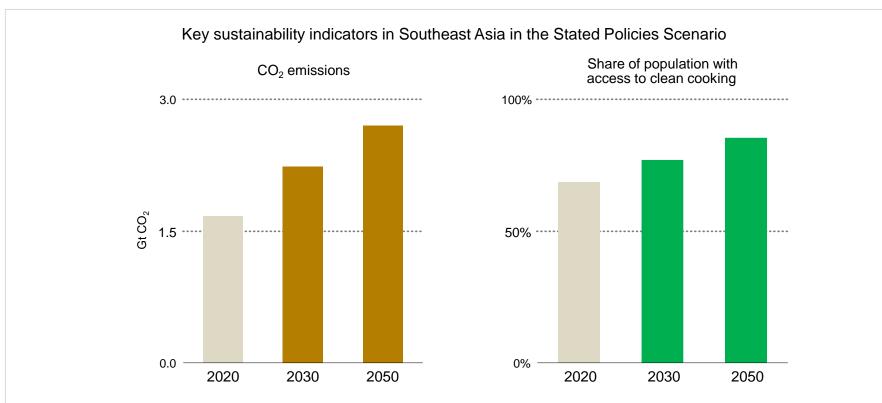
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## Today's pathway brings significant energy security risks



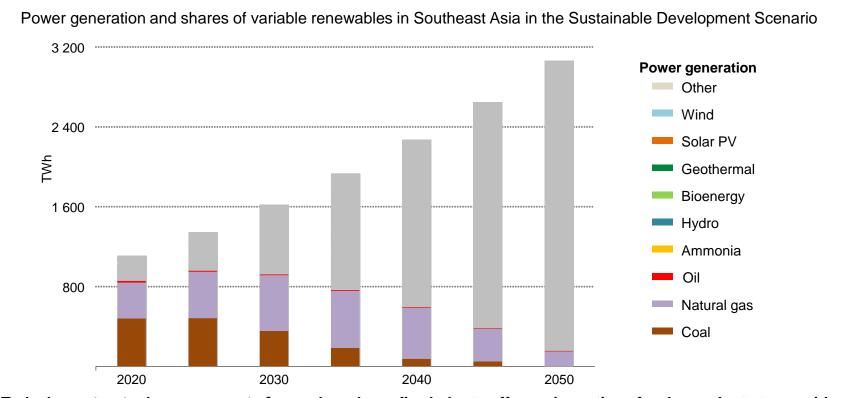
Southeast Asia's reliance on fossil fuels to meet rising demand for energy is proving to be a significant vulnerability in today's energy crisis and – on today's policy settings – these risks are set to increase

# The region is not on track to hit its sustainability goals



Today's policy settings produce a rising trend for energy-related emissions and – while Southeast Asia has made impressive progress with access to electricity – universal access to clean cooking fuels is not secured

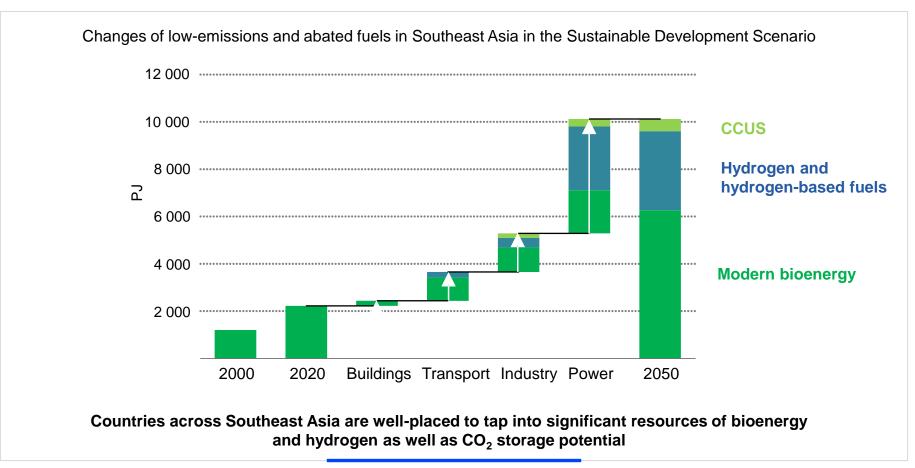
# Flexibility is the watchword for a wind and solar-rich power mix



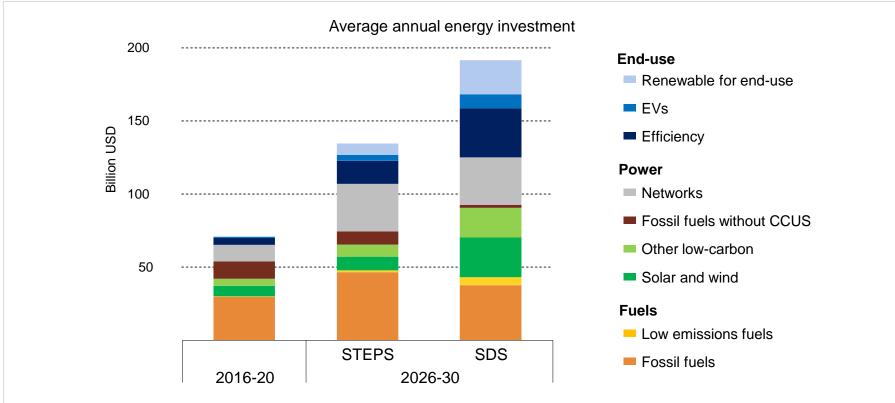
Today's contractual arrangements for coal- and gas-fired plants offer no incentives for these plants to provide flexibility; this is one of the areas that will need to change to enable a rapid rise of clean electrification

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## Low emissions fuels are a vital part of Southeast Asia's energy future | CO

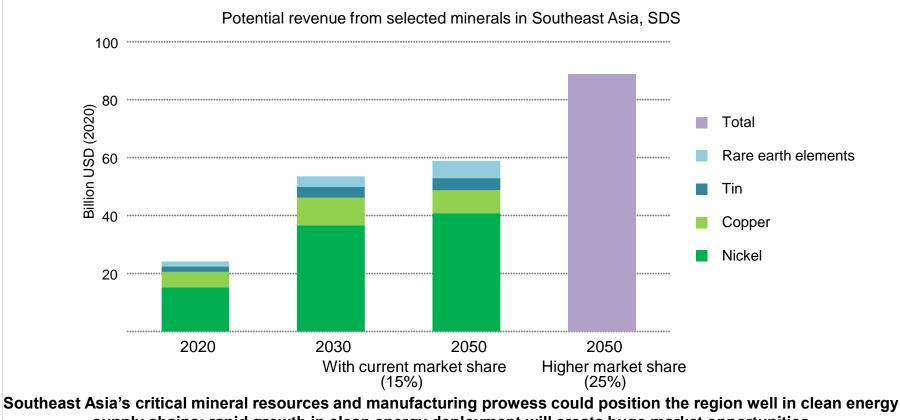


#### A surge in clean energy investment is needed this decade



National & international public finance will be essential to meet the region's energy security & climate goals, but governments need to do much more to attract private investors by reducing regulatory and financing risks

# A new global energy economy is emerging



supply chains; rapid growth in clean energy deployment will create huge market opportunities

