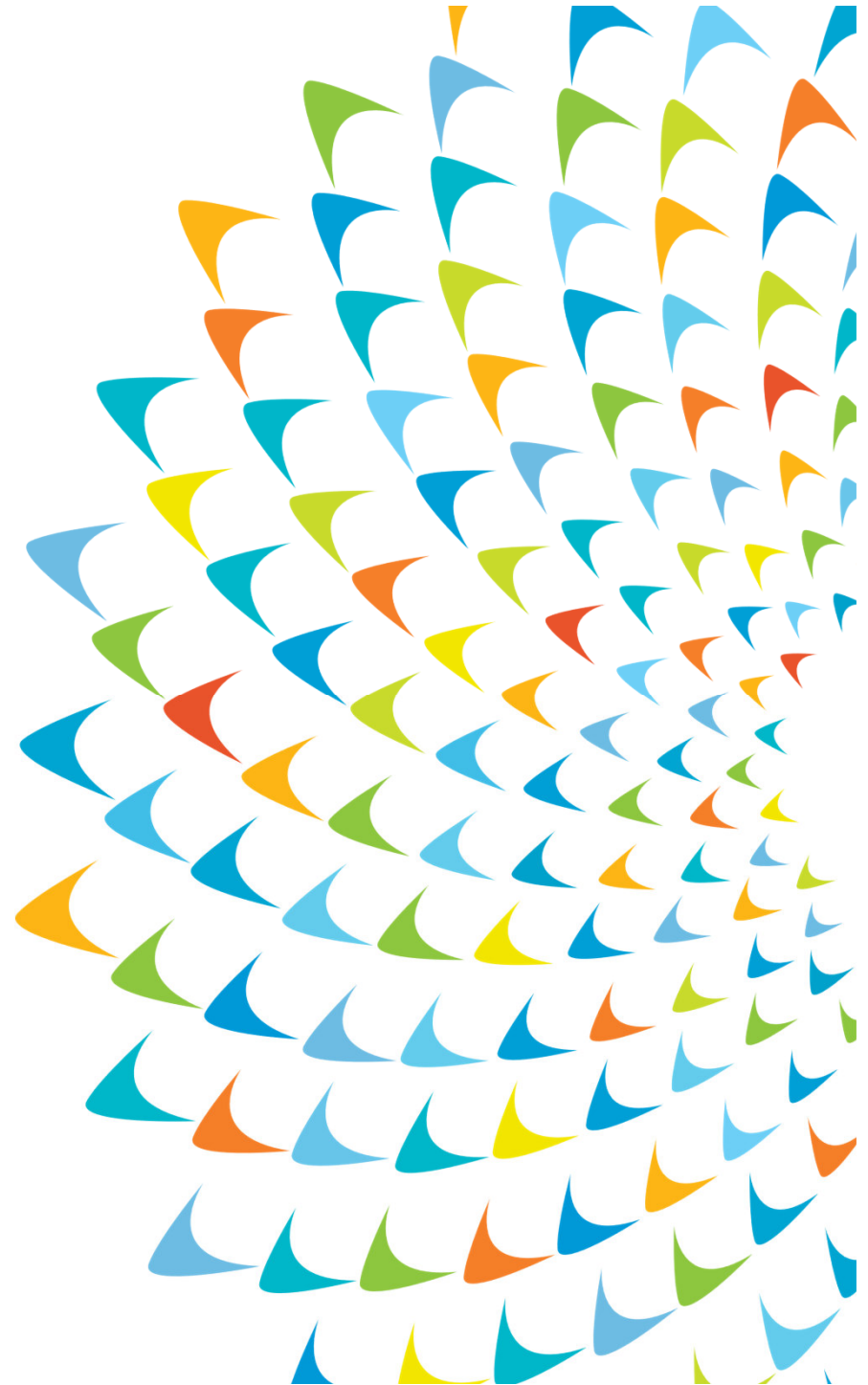




Energy Transition

2021 International Climate Change
Conference (ICCC)

A Just and Affordable Transition
towards Net Zero





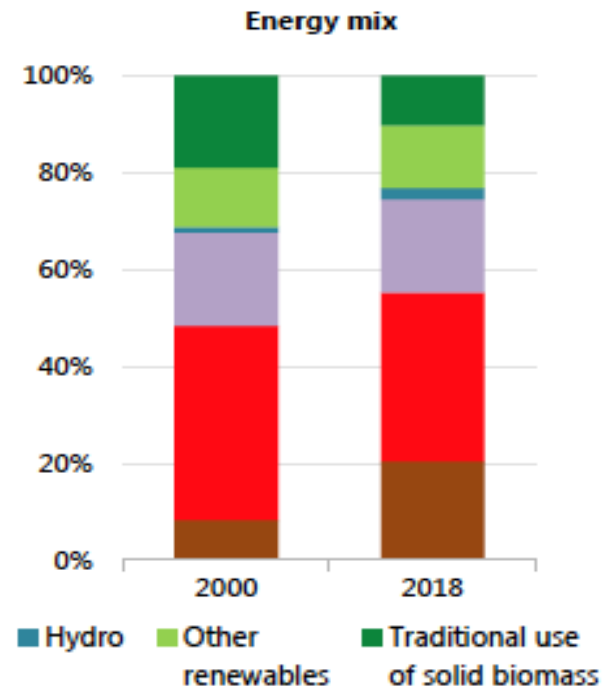
The energy sector contributes to around three-quarters of greenhouse gas emissions today

- To keep the global temperature increase below 1.5 C
 - Decrease coal-fired generation by 80% within this decade
 - Coal-fired generation to be fully decommissioned by 2050¹

- Countries in Southeast Asia account for 5% energy demand²
- Energy development path in Southeast Asia has been largely dependent on fossil fuel and thermal-based power supply

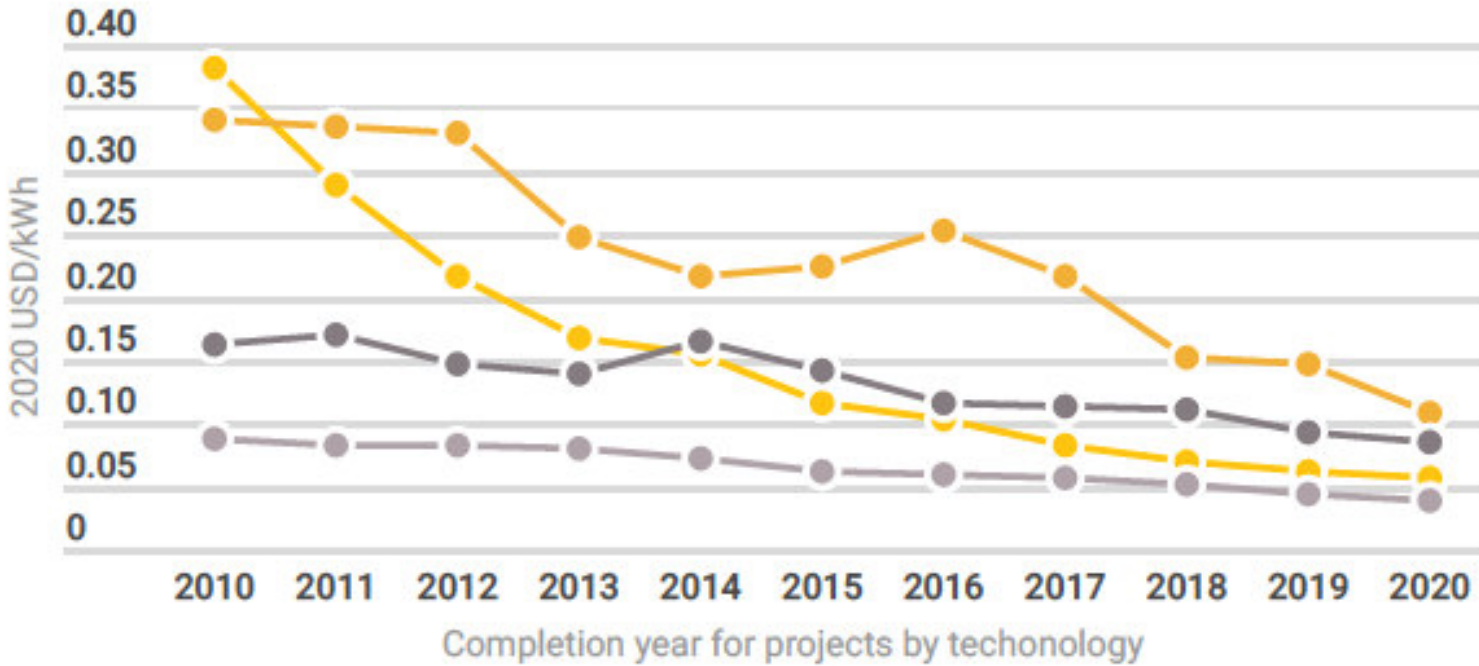
¹IPCC, 2018

²IEA, 2019





Declining Renewable Energy Cost



- Solar PV
- Concentrating Solar Power (CSP)
- Onshore Wind
- Offshore Wind

Source :IRENA 2021



Energy Transition in Indonesia?

- Lagged progress to reach 23% Renewable Energy share in energy mix by 2025
- Take-and-pay contracts and BOOT requirement affected the PPA's bankability
- There has been increased capacity of coal by 5 Gigawatts during 2015-2018 and several coal power plants will start construction by 2025
- How to move forward towards net zero emissions?