

ISEAS-RIETI JOINT Webinar
Climate Action by Japan and Implications for Southeast Asia
Thursday, October 7, 2021

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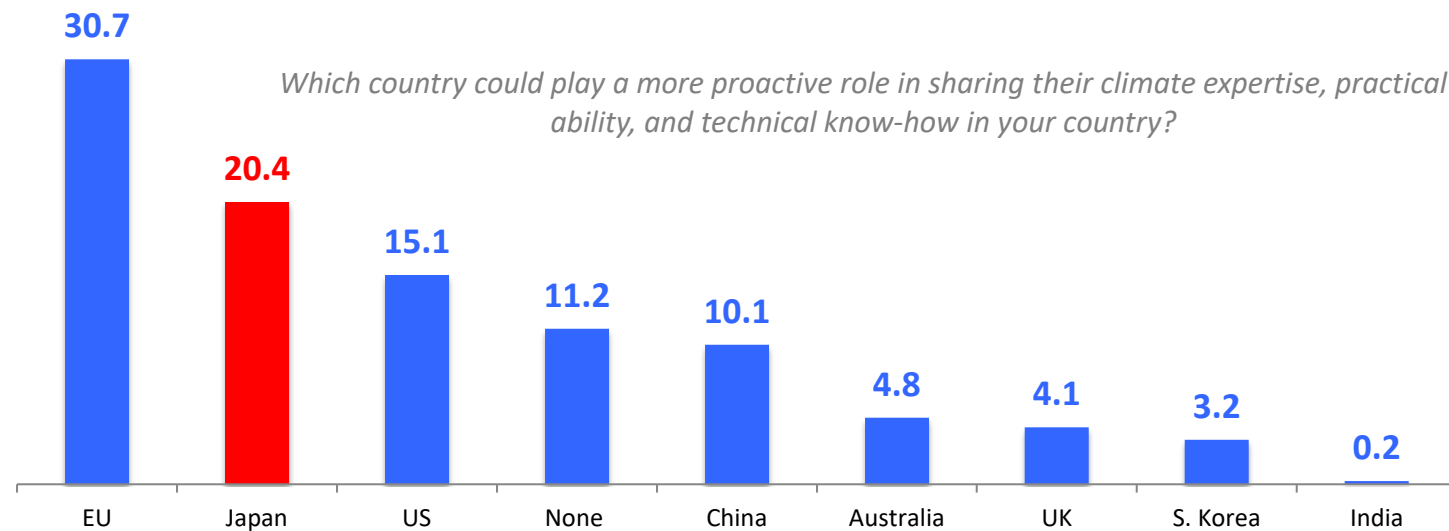
What if we transition without CCUS?



Dr. Ryan Wong
Lead Researcher (Climate Policy)

- 1. Japan as climate leader**
- 2. Technology-volatility scenario**
- 3. Roadmaps**
split emission and CCUS
- 4. \$10b renewables, efficiency, LNG, CCUS**
conduct cost effectiveness analysis
- 5. Capacity building**
consider alternative views

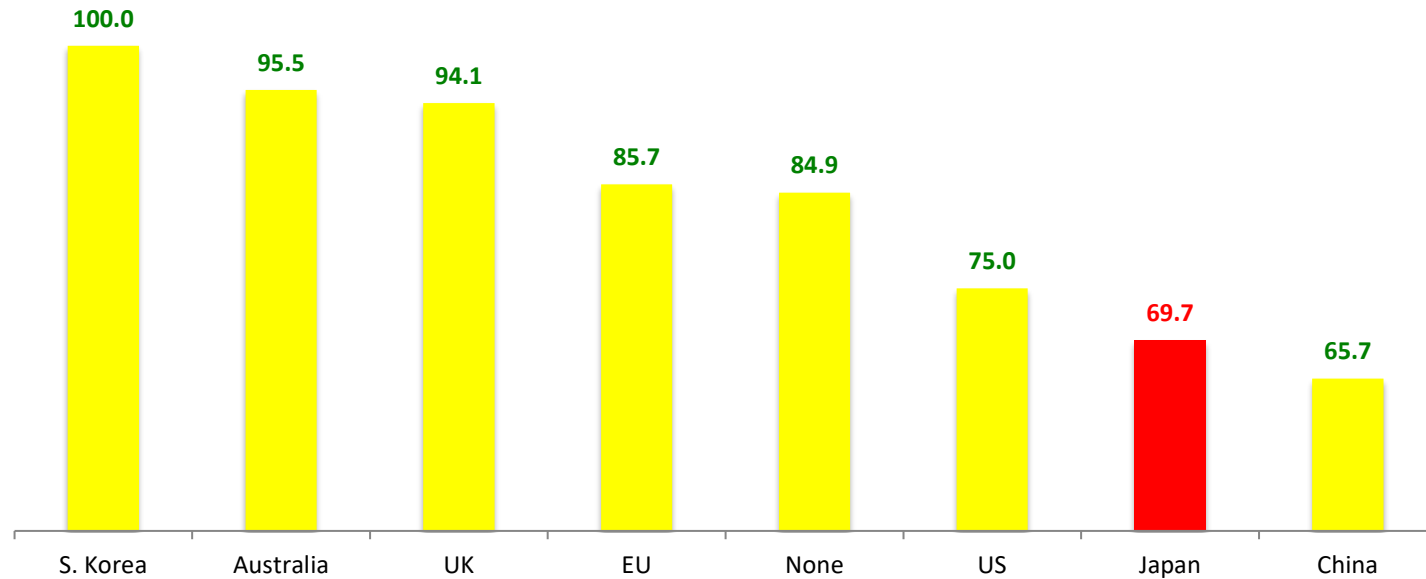
Southeast Asians look to Japan for climate leadership



Source: Author's analysis of data from Southeast Asia Climate Outlook Survey 2021

Southeast Asians look to Japan for climate leadership

ASEAN countries should cut their reliance on coal as soon as possible.



Source: Author's analysis of data from Southeast Asia Climate Outlook Survey 2021

Leadership sets the norm, lead by example, steer in difficult times

Trends in Southeast Asia

- Divestment from fossil fuels
 - Global trend towards net-zero emissions
 - European leaders argue energy leapfrogging
 - Growing energy demand in Southeast Asia
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- ❖ Ban overseas investment in building new coal-fired power plants (Japan, South Korea, China)
 - from funding coal plants to transition technologies
 - ❖ **Energy crisis – volatile price of fossil fuels**
 - ❖ **Technology uncertainty – effectiveness and scaling up**



Asia Energy Transition Initiative (AETI)

1. Energy transition roadmaps
2. Asia Transition Finance
3. \$10b renewables, efficiency, LNG, CCUS
4. Technology innovation
5. Capacity building

1. Energy transition roadmaps

Carbon neutrality is ...

Carbon emission = Carbon offset

Neutral = emission + CCUS

3. \$10b renewables, efficiency, LNG, CCUS

“improve the utilisation of all energy sources, technologies etc.”

Uncertainties – down a rabbit hole

Leapfrogging – credit card vs. digital payment

Cost effectiveness – How would an economist allocate the budget?

Hal Harvey – Electrification, Renewables, CCUS

5. Capacity building

Minister's speech

‘Various and pragmatic energy transitions, which *reflect different circumstances of each country* and utilise all energy sources and technologies, are necessary to realise decarbonisation ...’

Policy experts should be aware of pros and cons of CCUS

Tyndall Manchester Review

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