





on the basis of a decision by the German Bundestag

Emerging Technology Discussion Series: A closer look at Energy Storage and Grid Interconnection to support the ET in Indonesia

27 June 2023

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

CASE Programme

(Year 2020 to 2027; 4 countries in SEA)

CASE: Clean, Affordable and Secure Energy for South East Asia (2020-2027)

Goal: Changing the Narrative of the Energy Transition





Overall Objectives

The narrative of the direction of the energy sector in SEA has substantially shifted towards an evidence-based energy transition (ET), aiming to increase political ambition to comply with the Paris Agreement.

Output I Research and Evidence The evidence base for an energy transition in SEA is improved.	Output II Transparency and Mapping (RT) Transparency of key stakeholders' activities with respect to essential elements of the energy transition is strengthened to maximise synergies.	Output III Dialogue and Action (non- energy sector) The dialogue on energy transition within government (and public) bodies is improved.	Output IV Technical Assistance (energy sector) Capacities of key energy sector stakeholders to promote an energy transition are strengthened.	Output V Promoting public discourse A public discourse on energy transition is established.

Key Partners

- Ministry of National Development Planning (Dit. KTI)
- MEMR (RBTKE, DJK), Bappenas, MoF, OJK, Non-Government Institutions, Universities/ Academia, Media, etc

CASE wants to facilitate changes from the existing narrative to the 'new narrative' through its activities



Existing Narrative of ET in Indonesia

CASE ID Activities

New Narrative of ET in Indonesia



RE & EE Upscaling

Decarbonization of power system

Sustainable Energy Finance (SEF)

LTES, Communication

- 1. Capacity development (trainings, workshops, hearings)
- 2. Dialogues
- 3. Knowledge products (insights, factsheets, publications, infographics, brochures, etc.)
- 4. Policy advice and recommendations
- 5. Outreach, advocacy and communications

6/27/2023

Recap: CASE Highlights in Jan – June 2023

Major Events



- 1. Agreeing OP 2023 of CASE IDN (January 2023)
- 2. Focus group discussion on ETS & carbon pricing development (31st January 2023)
- 3. Media/ Journalist Training (31st January 1st April 2023)
- 4. Support the initial input for the new draft of RPJP (February 2023).
- 5. Dialogue with private sector on financing industry decarbonisation (23rd March 2023).
- 6. Kick off: emerging technology option to support Indonesia to achieve net zero emission (6th March 2023).
- Supporting DTC Make IT & GSMA: Sustainable energy finance for the startups, beyond the financial return (14th March 2023).
- 8. FGD: Communications Strategic Refinement (10th March 2023)
- 9. CASE Teaching for future (school) (April May 2023)
- 10. Energy Transition Symposium: Indonesia's Online Media Coverage on Energy Transition 2020 2022 (April 2023)
- 11. Alun-Alun Eropa EU Day (May 2023)
- 12. Comms WG Workshop (May 2023)

- 13. SEF training for local govt. (together with ICLEI) (April June 2023)
- 14. Climate-Energy Mini Workshop: Energy Sector Perspectives on Article 6 of The Paris Agreement (5th June 2023)
- 15. CEFI training (together with OECD, USAID Sinar) (19 23 June 2023)
- 16. Ongoing: Long Term Energy Scenario as the input for the draft of RPJP/ RPJMN (2022 2024)
- 17. Ongoing: Supporting JETP Secretariat (April August 2023)
- 18. Ongoing: Documenting Best Practice EE Financing Business MEMR (April ...)
- 19. Ongoing: workshop EE for industries (May ...)
- 20. Ongoing: synthesis study on EE financing (May ...)



FGD: ETS & Carbon Pricing



Site visit to factory, dialogue on industry decarbonization



Workshop: SEF for the startups

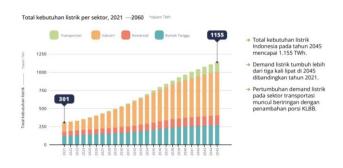


CASE Teaching for School

Recap: CASE Highlights in 2023

Highlighted Agenda









LTES Development

- The Long-Term Energy Scenario (LTES) is energy modeling study that in line with the Indonesian Vision (Visi Indonesia Emas 2045), attentive to the NZE target, and related trend & commitment.
- The LTES study is expected to: to support the development narrative of RPJPN as well as the preparation of new RPJMN.

Kick off: emerging technology option to support Indonesia to achieve net zero emission

Discussion on emerging energy technologies options and their potential to support Indonesia's energy transition and national development plan; Discussion on how Indonesia could recognize the recent technology development. It is including to consider some relevant aspects to plan Indonesia's energy system, as well as sharing knowledge on adapting the technologies that could be applied to Indonesia.

Clean Energy Finance and Investment training

- Hosted by MEMR and OJK supported through synergy between CASE, OECD and USAID Sinar
- Attended by more than 80 participants. The training divided into three training classes (RE, EE, and FI), facilitating the dialogues between regulators, project developers/private and financiers.

Emerging Technology Discussion Series: Energy Storage System and Grid Interconnection



- Discussion on the emerging energy storage and grid interconnection technologies and their potential to support Indonesia's energy transition;
- Understanding different perspectives on the **pros and cons** of energy storage system technologies and grid interconnection concepts;
- What does it mean for Indonesia? Discussion on how Indonesia can adapt to technological developments in energy storage systems and grid interconnection, as well as consider key aspects in planning the energy system in Indonesia.

6/27/2023

Supported by:



on the basis of a decision by the German Bundestag

Thank you

Deni Gumilang, Senior Advisor / Team Leader CASE Indonesia

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





Indonesian



German









Energy Programme – United towards a Decarbonized Energy System

NATIONAL TARGETS

GHG Reduction: Net Zero by 2060, Peak Power Emissions 2030

Coal Phase Out

Renewable Energy 23% until 2025, 34% by 2030 Energy Efficiency 17% until 2025

Access to Electricity 99% until 2025

TOPICS

Policy Advice: Renewable Energy, Carbon

Decarbonisation

Energy Dialogues Power System Planning & Operation

Renewable **Energy Pilots &** Innovation

Skill

Just Transition in Mining Regions

Private Sector Cooperation

Triangular Cooperation

Access to Finance

Public Awareness & Campaigns

Development/ Vocational. Education. and Training (VET)

PROJECTS IMPLEMENTED BY GIZ On a stacke On a collection of the col



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REEP ENTRI SoCool DRM ISED ExplorE SETI Renewable Renewable Solar Cold Domestic Innovation and Strategic Exploration Sustainable Energy Energy Mini- Chains for Resource Investment for of Economic Energy for Electrification Grids Triangular Green Mobilisation Inclusive Sustainable Economic Programme Cooperation Economy For Sustainable Development 2017 – 2024 2023 - 2026 2023 - 2026 2023 – 2026 2021 – 2024 2018 – 2025 2022 – 2028	CASE Clean, Affordable & Secure Energy for Southeast Asia 2020 –2027	JET Innovation Regions for Just Energy Transition 2023 – 2027



Energy Transition Cluster: Leadership Team



Lisa Tinschert

Cluster Coordinator, Lead

Advisor Energy Programme



Ade Cahyat

Just Transition Lead

JET, CASE, DRM2



Budi Kuncoro

Energy Fiscal Policies Lead
DRM2



Deni Gumilang

Energy-Climate Finance Nexus Lead
CASE, SETI, ExploRE



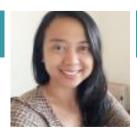
Dody Setiawan

Bioenergy, Hydrogen,
Power to X Lead
ExploRE, SETI



Solar Cooling, Technology Coop., Digitalisation Lead SoCool

Frank Stegmüller



Gitafajar Saptyani

Senior Liaison Officer Gol



Johannes Anhorn

Built Environment & Industries Lead SETI, PEEB Cool



Ruly Marianti

Green Skills & Employment Lead ISED



Christoph Lürssen

Power System Lead REEP2



Catoer Wibowo

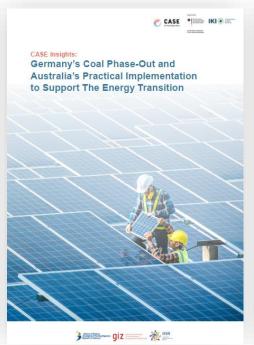
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Recap: CASE Highlights in 2022

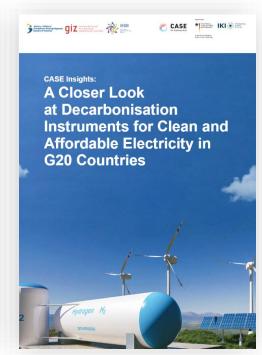
CASE for Southeast Asia

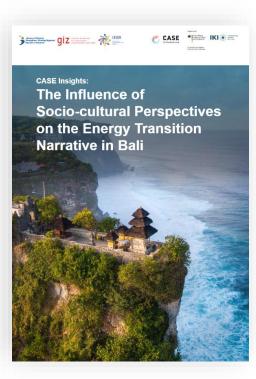
Published Knowledge Products











March April June December December

6/27/2023