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Diagnosing Governance Dysfunctions in Carbon Capture and Storage Regulation in Indonesia

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Centre for Strategic
Energy and Resources

Overview

This workshop addresses the underlying causes of governance dysfunctions within Indonesia's Carbon Capture and Storage (CCS) regulatory framework. It focuses on understanding why CCS regulations may not achieve intended outcomes, examining the alignment between governance approaches and regulatory challenges. The emphasis is on diagnosing the why - why certain regulatory measures fail, and which governance factors contribute to these gaps.

The workshop will undertake 2 activities:

1. Identifying the **Governance Mode** that is appropriate to CCS best-practice regulation in Indonesia.
2. Identifying drivers of inaction preventing the achievement of the appropriate **Governance Capabilities** for CCS regulation in Indonesia.

Each activity will use the following analytical methodologies.

Activity	Analytical Approach
Identifying Governance Modes	Assessing deeper root-causes of the governance modes of CCS in Indonesia, and their dysfunctions
Identifying Governance (In)capabilities	Assessing tensions between the preferred governance capabilities and the historical inertia that results in the current governance incapacities

Duration:

2 hours

Objective

The workshop provides a structured approach to assess governance dysfunctions. By analysing the disconnect between governance modes and governance capabilities, participants can identify systemic obstacles and structural challenges in the regulation of CCS.

The objective of the workshop is to systematically diagnose governance dysfunctions in Indonesia's CCS regulatory landscape. It aims to clarify why challenges persist even when technical solutions exist, using Causal Layered Analysis (CLA) and the Futures Triangle to explore causal relationships and structural constraints.

Target Audience

Government agencies, civil society organizations, and private sector actors engaged in energy, climate policy, or CCS deployment.

Format

- Online delivery
- Group size: 15-20 participants (flexible)
- Tools: Zoom and Miro

Expected Outcomes and Results

Participants will be able to:

- Diagnose the key drivers of governance dysfunction in Indonesia's CCS regulation.
- Explain why certain regulatory challenges persist despite evidence-based solutions.
- Apply novel analytical tools to assess complex governance issues of CCS in Indonesia.

Success Criteria

1. Participants possess the ability to explain how mismatches between governance modes and capabilities generate regulatory dysfunctions.
2. A root-cause analysis is conducted on the governance modes of CCS in Indonesia, and participants better understand the issues with current governance modes, and potential solutions.
3. Participants understand how inertia and historical behaviours continue to prevent the enhancement of governance capabilities for better CCS regulation in Indonesia.

Workshop Facilitator

James Balzer, CSER Affiliated Expert



James Balzer is an Australian strategic foresight practitioner helping business and government navigate complex governance and regulatory challenges, including in climate change and sustainability. He currently manages the New South Wales Government \$25 million Solar for Apartment Residents (SoAR) program. He serves on the Steering Committee of Next Generation Foresight Practitioners and leads the Intergenerational Fairness in Cities Community of Practice

at the School of International Futures. He has experience leading sustainability programs at the Australian and New South Wales Governments and is also an Adjunct Fellow at Macquarie University School of Natural Sciences. As a Researcher at the Disruptive Futures Institute, he explores anticipatory governance in carbon market reform. He has formerly worked for UN-Habitat and UNESCO, and lectures in sustainability reform at the National University of Singapore and Waseda University. His work continues to be recognised and published by the World Economic Forum, including its Global Foresight Network.

About CSER

The Centre for Strategic Energy and Resources (CSER) is an independent think-and-do tank globally headquartered in Singapore. A non-profit organisation established in the spirit of “knowledge and innovation without borders,” CSER is on a mission to build an enabling ecosystem to accelerate energy transition and sustainable development in Asia.

At CSER, we carry out independent and evidence-based analysis to inform policy, develop actionable recommendations on strategic implementation, and bolster private-public partnership to promote innovative and nationally appropriate solutions in energy transition. With a vision to become the leading centre of excellence for strategic analysis and thought leadership in energy transition and sustainability, CSER serves as a platform for promoting discussion and advancing collective understanding on strategic issues related to energy and sustainable development.

We focus not only where we are transitioning “to” (a net-zero future), but where we are transitioning “from” (a fossil-dominated economy) to ensure just and effective energy transition.

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