

Technology Needs and Enabling Policies in Asia

A brainstorming session

Aim:

Stimulate discussions on technology needs and enabling policies for transition to low carbon future in Asia

Session layout

- **Coordinator/Chair**

- Shobhakar Dhakal, Associate Professor, Energy Field of Study, Asian Institute of Technology

- **Speakers**

- Charles Marpaung, Visiting Faculty, Energy Field of Study, Asian Institute of Technology (Technology Needs Assessment in Asia for mitigation)
- John Rogers, Senior Climate Change Specialist, Consultant to Asian Development Bank
- Girish Sethi, Director of Industrial Energy Efficiency, The Energy and Resources Institute

- **Discussant**

- Daisuke Sanno, Director, IGES Regional

Key questions

- What are technology needs and barriers in Asia for low carbon technologies?
- Where technology and policy interlink? How to enable policies to support low carbon technologies at national context?
- How to support Asian countries to meet technology needs and creating enabling environment?

Session format

- This session is essentially a discussion/brainstorming session
- 15–20 minutes from speakers
 - Quick 1–2 clarifying questions from floor
- 10 minute from Session Discussant
- Discussions

What are technology needs, barrier and comparative advantage in Asia?

- What are technology needs and where? New technology, appropriate/indigenous technology, key sectors and technologies
- To what extent new technologies are needed? To what extent low carbon development can be achieved from the management of existing technologies?
- Where lies the comparative advantage of Asian countries to enable low carbon technologies? How to maximize them?
- Is technology leap-frogging possible? What it takes– the enabling environment?

low carbon technologies in Asian countries?

- What are avenues in existing policies to influence technologies?
- Do we need new coherent technology-policy and roadmap aimed at low carbon technology (often scattered in different sectors and uncoordinated)?
- What are the state of policies in relation to up-scaling/refining appropriate/indigenous technologies that aid low carbon development? What and how policies can/should help for diffusion, awareness creation, capacity building?
- Do we need new policies and mechanisms aimed at

How to support Asian countries to meet technology needs and enabling environment?

- What type of global and regional approaches and support systems can be provided to national government and other stakeholders in Asia
 - Capacity building
 - Knowledge networks
 - Technology transfer
 - Financial support etc.
- How to mobilize them?
- What are the roles of governments, researchers, donor agencies/development

Key questions

- What are technology needs and barriers in Asia for low carbon technologies?
- Where technology and policy interlink? How to enable policies to support low carbon technologies at national context?
- How to support Asian countries to meet technology needs and creating enabling environment?

Key deliverables

- **Sessions theme:** Why this theme is needed?
What are the implications of this ‘theme’ to low carbon development in Asia?
- **Major findings:** Summary of session
- **Research challenge:** What research we need?
 - Research direction needed in this area
 - Future vision
- **Collaboration:** How can we collaborate?