



The 8th Energy Research Institute Network (ERIN) Workshop

- Energy Transition in Asia; Gaps and Risks -

Date: 14 July 2023, Friday

Venue: Juniper Hall, India Habitat Centre, New Delhi, India

Format: Hybrid Conference

It has become clear that the modern energy system is not only causing climate change problems, but also contains vulnerabilities in terms of stable energy supply. Therefore, there is an ever-greater need to make the energy supply-demand structure sustainable and resilient, as it is indispensable for all economic activities and daily life. Against this backdrop, Asian countries are transforming their energy structures, but at the same time they are facing various challenges.

First, the supply of natural gas. Natural gas is expected to play a role in making the energy system low-carbon while ensuring a stable energy supply by replacing coal. However, tensions in the natural gas balance and rising prices are making its expansion difficult. Since energy access and affordability are still important agenda for Global South in particular, fossil fuel investments may be essential for a world during a long transitional period.

Second, the deployment of clean technologies. The deployment of high-efficiency and renewable energy technologies can make energy systems not only cleaner but also more resilient. Various technologies and policy instruments have been implemented in Asian countries and are being improved year by year. In addition, new technologies are being developed to meet ambitious decarbonization goals. These developments need to be captured to the fullest extent in Asian countries.

Third, a gap between ambitious targets and reality. Despite efforts by many countries, there is still a large gap between goals and reality. It is also becoming clear that new risks exist in the path of transforming the energy system. Solving these problems will not be easy and will require the collective wisdom of many.

With this background, this workshop will feature discussions by experts from Asia and around the world. India assumed presidency of G20 in 2023 and a variety of political events will take place. It is expected that the academic debates at this workshop will serve as a reference for energy and environment discussions at the G20.



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Co-organized by: Economic Research Institute for ASEAN and East Asia (ERIA),
Energy Research Institute Network (ERIN), and
The Energy and Resources Institute (TERI), India

Agenda

Time is India Standard Time (UTC+0530).

10:00 - Registration

10:30 - 10:50 **Opening Session**

Opening Remarks

by Prof. Tetsuya Watanabe, President, ERIA

by Dr. Vibha Dhawan, Director General, The Energy and Resources Institute (TERI), India

Welcome Remark

by Dr. Kulyos Audomvongseree, Director of Energy Research Institute (ERI), Chulalongkorn University (CU), Thailand [Chairperson of ERIN]

Photo Session

10:50 - 11:20 **Keynote Speeches:**

Energy Transition and G20 Leadership in India

● **Speaker 1:**

by TBC, Ministry of Petroleum and Natural Gas (MOPNG), India

● **Speaker 2:**

by TBC, Ministry of New and Renewable Energy (MNRE), India

Energy Transition in EAS Region

by **Prof. Jun Arima**, Senior Policy Fellow for Energy and Environment, ERIA

11:20 - 12:30 **Session 1: Role of Natural Gas in Energy Transition in Asia**

Moderated by **Dr. Pradipto Ghosh**, Distinguished Fellow, Earth Science and Climate Change division, The Energy and Resources Institute (TERI), India

Panelists (Presentation 10 min. x 4 persons + panel discussion 30 min.)

LNG Market under the Turbulence

by **Mr. HASHIMOTO Hiroshi**, Senior Fellow, Energy Security Unit, The Institute of Energy Economics, Japan (IEEJ), Japan

Need of Natural Gas/LNG in Economic Development

by **Dr. Han Phoumin**, Senior Energy Economist, Energy Unit, Research Department, ERIA

Role of Natural Gas in Philippines' Economic Development

by **Mr. Michael O. Sinocruz**, Director, Energy Policy and Planning Bureau (EPPB), Department of Energy (DOE), Philippines

Role of Natural Gas in Economic Development

by **Mr. Mukesh Kumar Tiwari**, Chief General Manager Sustainability and Renewables, Gas Authority of India Limited. (GAIL), India

Key questions

- What is a role of natural gas during transitional period toward carbon neutrality?
- Are natural gas investments needed or not?

12:30 - 13:30 Lunch Break

13:30 - 14:30 **Session 2: Emerging Clean Technologies and Policies**

Moderated by **Prof. Basil M. H. Sharp**, Emeritus Professor, Department of Economics, The University of Auckland (UoA), New Zealand [ERIN Member]

Panelist (Presentation 10 min. x 3 persons + panel discussion 30 min.)

EE&C as a Primary Energy Source

by **Mr. Leong Siew Meng**, Managing Consultant, Green Technology Solutions PLT., Malaysia

Acceleration of Renewable Energy

by **Mr. Shirish Garud**, Director and Senior Fellow, Renewable Energy Technologies Division, TERI, India

Hydrogen/Ammonia and Negative Emission Technologies

by **Mr. KOBAYASHI Yoshikazu**, Executive Economist, Manager of Research Strategy Group, Assistant Director, Research Strategy Unit / New Energy System Group, Clean Energy Unit, IEEJ, Japan

Key questions

- *What technological and policy developments being observed?*
- *In which field can we expect further development in a future?*
- *Can we accelerate the development and enhance sharing the good practices among the region and how?*

14:30 - 14:45 Break

14:45 - 15:45 **Session 3: Energy Transition in Asia**

Moderated by **Dr. Siti Indati binti Mustapa**, Deputy Dean (Research and Innovation), senior Research Fellow, Ex. Director of Institute of Energy Policy and Research, The Energy University (UNITEN), Malaysia [Co-Chairperson of ERIN]

Panelist (Presentation 10 min. x 4 persons + panel discussion 30 min.)

Gaps in a Future Scenario: from the ERIA Outlook

by **Mr. Shigeru Kimura**, Senior Advisor to President for Energy Affairs, ERIA

New Risks in Energy Transition

by **Prof. TERAZAWA Tatsuya**, Chairman and CEO, IEEJ, Japan [ERIN Member]

Carbon Neutrality Roadmap in India

by **Ms. Taruna Idnani**, Project Manager-Corporate Actions, TERI, India

Key questions

- *Where does the gaps exists between ambitious goal and present state.*
- *How to address emerging risks in the era of energy transition?*
- *What policy actions needed in both nationally and internationally?*

15:45-15:55 **(TBC) Valedictory Remarks**

by **(TBC) Mr. Suman Bery**, Vice Chairman, NITI Aayog, India

15:55-16:10 **Closing Remarks**

by **(TBC) Dr. Siti Indati binti Mustapa**, Director of Institute of Energy Policy and Research, UNITEN, Malaysia [Co-Chairperson of ERIN]

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