

ASIA CLEAN ENERGY FORUM 2019

PARTNERING FOR IMPACT

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Deep Dive Workshop

Clean Energy Policy, Technology, and Knowledge Sharing



KOREA ENERGY AGENCY

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Background

Asia and the Pacific is experiencing massive energy challenges due to an unprecedented increase in energy demand in terms of both scale and speed as well as high dependence on fossil fuels. This trend is likely to continue in the foreseeable future to sustain high economic growth trajectory and will pose significant energy security and climate change risks to the region.

On the other hand, the global energy market is currently shifting from commodity-based solutions to technology-based solutions. Development and commercialization of innovative clean energy technologies will reduce energy consumption, lower greenhouse gas emissions, ease the pressure on existing fossil fuels, and thereby improve energy security.

As part of the 2015 Paris Agreement, each country in Asia and the Pacific has announced its commitment to increasing energy efficiency by two to three times over the next 10–20 years and replacing more than 20% of total energy consumption with renewable energy sources.

Accelerating deployment of innovative clean energy technologies is at the center of solving many challenges and is key to unlocking the full potential for sustainable energy future in the region.

This Deep Dive Workshop (DDW) is being jointly organized by the Korea Energy Agency (KEA) and the Asian Development Bank. Since 2012, these organizations have been jointly and steadily pursued efforts to promote clean energy initiatives in Asia and the Pacific countries through knowledge sharing, joint project undertakings, technical advisory services, and facilitating investments.

Objective

This DDW will provide participants, particularly from developing countries, an opportunity to become familiar with emerging innovations in clean energy technologies covering renewable energy, energy efficiency, and energy access, and to explore possible applications for future investment projects and technical assistance.

Agenda

- 09.00 a.m. – 09.30 a.m. **Opening Session**
Opening Remarks by ADB
Welcome Remarks by KEA
- 09.30 a.m. – 10.15 a.m. **Topic: Roadmap for Innovations in Clean Energy Technologies**

Presenter 1: Hydrogen Economy Roadmap of Korea
Dr. Hae-Won Lee, Korea Institute of Science and Technology

Presenter 2: ADB speaker (tbc)

Presenter 3: International speaker (tbc)
- 10.15 a.m. – 10.30 a.m. Coffee Break
10.30 a.m. – 11.30 a.m. **Topic: Technology Innovations**

Presenter 4:
Virtual-Power Plant Technology
Mr. Byung-Sam Kim, Energy Center Chief, Korea Management Association Consulting

Presenter 4: Micro-grid Technology for RE Integration
Mr. Sung-Woo Kim CEO, Very Words

Presenter 5: International speaker (tbc)
- 11.30 a.m. – 12.00 a.m. **Panel Discussions and Wrap-up**

About the Organizers

The Asian Development Bank (ADB), based in Manila, is dedicated to reducing poverty in Asia and the Pacific through inclusive economic growth, environmentally sustainable growth, and regional integration.

The Korea Energy Agency (KEA), established in 1980, has been at the center of the transformation into a new energy era. It implements projects to foster the efficient and rational use of energy, thereby reducing carbon dioxide emissions and contributing to sound economic development.