

ASIA CLEAN ENERGY FORUM 2019

PARTNERING FOR IMPACT

MANILA | 17–21 JUNE 2019



Deep Dive Workshop

Monday, 17 June 2019, 9:00 a.m. – 5:30 a.m.

Clean Energy Policy, Technology and Innovation (7th ADB-MOTIE JOINT FORUM)



Point of Contact:
Dae Kyeong Kim, ADB,
dkkim@adb.org

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.

To deal with this challenge, the Ministry of Trade, Industry and Energy (MOTIE), established a medium- and long-term strategy of “Promotion of Energy-related New Industries and Development of Core Technologies” with three pillars of (i) creation of a new market; (ii) development of core technologies; and (iii) expansion of international partnership.

This Deep Dive Workshop (DDW) is being jointly organized by the MOTIE, the Korea Energy Agency (KEA), Korea Plant Industries Association(KOPIA) 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

- Korea's development knowledge sharing in the energy sector for sustainable and inclusive growth in ADB developing member countries (DMCs).
- Enhancing the understanding of clean energy policy & status of emerging countries
- Developing collaboration projects between ADB and MOTIE.

Agenda

- 09.00 a.m. – 09.10 a.m. **Opening Session**
Opening Remarks: Woojong Um, ADB
Congratulatory Remarks: Sang Heum Yoon, MOTIE
- 09.10 a.m. – 10.30 a.m. **Topic: DSM/DR**
Presenter 1: DSM/DR in Korea
Jung-Hyun Kim, Byucksan Power
- Presenter 2: DSM/DR in Singapore
Dallon Kay, Diamond Energy Corporation
- Presenter 3: DSM/DR in Bangladesh
Helal Uddin, Power Division in Bangladesh
- Presenter 4 : DSM/DR Strategies in ADB
Dae-Kyeong Kim, ADB
- 10.30 a.m. – 10.50 a.m. Coffee Break
- 10.50 a.m. – 12.10 p.m. **Topic: Clean Energy**
Presenter 4 : Promoting Clean Energy Project through PPP
Eui-Jong Jeong, Global PPP Forum
- Presenter 5 : UCCRTF Fund and Clean Energy
Virinder Sharma, ADB
- Presenter 6 : Introduction and Strategy of Overseas Clean Energy Project in KEPCO (tbc)
- Presenter 7 : Towards a Solar Map for the Asia-Pacific region
Jong-Kyu Kim, Haezoom

- 12.10 p.m. – 12.30 p.m. **Panel Discussions and Wrap-up**
- 12.30 p.m. – 14.00 p.m. Luncheon
- 14.00 p.m. – 15.00 p.m. **Topic : Roadmap for Innovations in Clean Energy Technologies**
- Presenter 8: Hydrogen Economy Roadmap of Korea
Hae-Won Lee, Korea Institute of Science and Technology
- Presenter 9: ADB speaker (tbc)
- Presenter 10: International speaker (tbc)
- 15.00 p.m. – 15.20 p.m. Coffee Break
- 15.20 p.m. – 16.20 p.m. **Topic : Technology Innovations**
- Presenter 11 : Virtual-Power Plant Technology
Byung-Sam Kim, Korea Management Association Consulting
- Presenter 12 : Microgrid Technology for RE Integration
Sung-Woo Kim, Very Words
- Presenter 13 : International speaker (tbc)
- 16.20 p.m. – 17.00 p.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.

Ministry of Trade, Industry and Energy (MOTIE), was established at the birth of the Republic of Korea in 1948 with the mission to coordinate the nation's industries. Now better equipped to deal with the challenges of the 21st century, MOTIE is committed to providing a foundation for economic growth by combining its efforts to fulfill its wide range of responsibilities in the areas of commerce, investment, industry, and energy.

Korea Plant Industries Association (KOPIA), promises to make every effort to continue improving its services for the member companies and communicating with government authorities and key stakeholders, so the plant industry remains a main driving force in Korea.

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.