



10th APFSD

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27-30 March 2023



“The Eighth Meeting of the Expert Working Group on Universal Access to Modern Energy Services, Renewable Energy, Energy Efficiency and Cleaner Use of Fossil Fuels”

Associated Event: 10th Asia-Pacific Forum for Sustainable Development

March 30, 09:00-16:00 GMT+7

MR-G, United Nations Conference Centre (for in-person associated events) and MS Teams, (for joining online, upon registration) – by invitation only

Organizer(s)

United Nations Economic and Social Commission for Asia and the Pacific, Energy Division

Co-organizer(s)

United Nations Department of Economic and Social Affairs

Registration

To register for this associated event, please fill in the form here:

<https://forms.office.com/e/XPU8GeVEkC>

To attend the associated event, all registrants must also register on Indico by March 13 to attend the APFSD using the link here: <https://indico.un.org/event/1003108/>

Please register using the option “Registration for Others” and choose your associated event. Those who do not register on Indico will not be able to access the United Nations Conference Center.

Background

ESCAP at its 73rd Commission Session in May 2017 adopted Resolution 73/8 *Strengthening regional cooperation for sustainable energy development in Asia and the Pacific* which requested the secretariat to conduct analytical studies, compile and disseminate relevant energy information and data. The Commission also established two expert working groups under Committee on Energy:



Department of
Economic and
Social Affairs

- the Expert Working Group on Energy Connectivity; and
- the Expert Working Group on Universal Access to Modern Energy Services, Renewable Energy, Energy Efficiency and Cleaner Use of Fossil Fuels (EWG-SDG 7).

The Eighth Meeting of EWG-SDG 7, to be held in hybrid mode, will seek expert inputs on the challenges faced by member States in identifying appropriate energy technology choices to underpin the energy transition and the delivery of global agendas such as SDG 7 and the Paris Agreement. In addition to the widespread uptake of renewable energy and advanced energy efficiency, countries are examining how to adopt other low carbon technologies or to enhance the sustainability of existing technologies.

On 13 December 2022, the Seventh Meeting of EWG-SDG 7 was held. Participants discussed two topics - the progress of SDG7 roadmap development; and the application of national cooling action plans in countries of the region. The need for countries to develop concrete strategies to transition towards net zero emissions by 2050 was discussed in depth and several countries outlined their plans for net zero which included technologies such as gas and nuclear energy.

This meeting will build on that discussion by considering the roles that both low and zero carbon technologies can play in the energy portfolios of member States. The meeting will solicit advice from experts on the role of these technologies in the energy transition; their social, environmental and economic tradeoffs; and provide guidance on how the secretariat can support countries develop strategies to reach net zero emissions by 2050.

Key Questions and Outcomes

This associated event will examine the following key guiding questions:

1. What are the latest developments in the principal technologies that can underpin the energy transition – including solar, wind, hydro, energy efficiency, natural gas and nuclear?
2. What are the opportunities presented, and tradeoffs to be managed in these technologies to support the region's energy transition?
3. What are opportunities for regional cooperation to support the deployment of these technologies and to mitigate any negative impacts?

Bringing together a range of experts* from low carbon industry sectors, this associated event aims to enhance understanding of the diverse range of energy choices facing Asia-Pacific countries and to stimulate discussion on the applicability of these technologies across the region. In doing so, it will help to draw best practices

from across the region together, and discuss forward pathways that can be useful to policy makers, civil society, and other stakeholders. By the conclusion of the session, participants should have enhanced understanding of the opportunities and potential application of these technologies.

Programme

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| | MS Teams room opens | 08:55-09:00 |
| Mr. Hongpeng Liu, Director, Energy Division, ESCAP | Welcome remarks | 10 min 09:00-09:10 |
| Mr. Minoru Takada, Team Leader, Sustainable Energy, UN DESA | | |
| | Introduction | |
| Mr. Michael Williamson, Section Chief, Energy Division, ESCAP | Brief overview of Asia-Pacific's progress on SDG 7 and emissions reductions under the Paris Agreement | 10 min 09:10–9:20 |
| | Session 1: TECHNOLOGIES IN FOCUS | |
| | Part 1 – Renewables and Energy Efficiency | |
| Ms. Ksenia Petrichenko, International Energy Agency | Energy Efficiency | 65 min 09:20-10:25 |
| Ms. Liming Qiao, Global Wind Energy Council | Wind Power | |
| Mr. Gianni Chianetta, CEO, Global Solar Council | Solar Energy | |
| Ms. Amina Kadyrzhanova, Sustainability Specialist, International Hydropower Association | Hydropower | |
| Mr. Bharadwaj Kummamuru Executive Director World Bioenergy Association | Bioenergy | |
| Mr. Michael Williamson, Section Chief, Energy Division, ESCAP | Q&A | |
| Coffee Break | | 10 mins 10:25-10:35 |
| | Part 2 – Low Carbon Energy | |
| Mr. King Lee, Director Harmony Programme, World Nuclear Association | Nuclear Energy | 25 min 10:35-11:00 |
| Mr. Henri Paillere, Section Head-Planning and Economic Studies, International Atomic Energy Agency (IAEA) | Nuclear Energy | |

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| Mr. David Cavanagh, Managing Director, Integrated Energy Pty Ltd | Hydrogen | |
| Mr. Michael Williamson, Section Chief, Energy Division, ESCAP | | |
| Mr. Sergey Tulinov, Energy Division, ESCAP | Challenges and opportunities in deploying low carbon technologies Discussion Points: <ul style="list-style-type: none"> - How can these technologies support the energy transition? - What are the principal tradeoffs that need to be mitigated? - Which technologies are bridging technologies vs long term solutions? - How can green hydrogen be adopted as an energy medium in synergy with these technologies? | 30 min 11:00-11:30 |
| Ms. Lily Riahi, Global Coordinator, Cool Coalition | Special Presentation – Global Cooling Pledge | 30 min 11:30-12:00 |
| Lunch | | 12:00-14:00 |
| | Session 2: NATURAL GAS IN THE SPOTLIGHT (IN COLLABORATION WITH GLOBAL GAS CENTRE) | |
| Mr. Sergey Tulinov, Energy Division, ESCAP Mr. Branko Milicevic, Sustainable Energy Division, UNECE | Regional Roundtable on the Role of Natural Gas in the Energy Transition Scene setting and presentation of the regional snapshot on natural gas | 20 min 14:00–14:20 |
| Moderator: Ms. Valérie Ducrot, Executive Director, Global Gas Centre Speakers: <ul style="list-style-type: none"> - Mr. Supawat Tatthong, Vice President of LNG Supply Department, PTT (Thailand) - Ms. Earl Rivera-Dolera, Lawyer, Head of International Arbitration, Frasers Law Company - Mr. Takuro Yamamoto, Chief Representative, General Manager at Paris Representative Office, Tokyo Gas - Mr. Sobhith Komalavally Hariharan, Global Newbuild Support Manager & Gas Technology Specialist, Lloyd's Register. - Prof. XU Qinhua, Director, Center | Roundtable Discussion Discussion Points: In the context of post-Covid economic situation and high pressure to mitigate climate change, what is the current role of natural gas and LNG in the region? With still millions of people that do not have access to electricity in the region, what is and will be the role of gas in the future energy mix? Please tell us more about investments. What is the role of gas in the decarbonization of ports and maritime transports? What concrete projects the UN Regional Commissions are supporting and helping to implement in order to foster the energy transition. How do countries / organizations / companies | 1 hr 30 min 14:20–15:50 |

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| for International Energy and Environment Strategies Studies, Renmin University of China - Mr. Sergey Turkin, Head of Division, Gazprom | <p>plan to unlock the potential of H2, biogas, renewable gases?</p> <p>To move forward to a net-zero world, decisions have to be made to accelerate the process but also at a reasonable pace depending on specific context of each region / country. What are the possible action points to make things move in the right direction and that would be realistic and socially acceptable?</p> <p>Discussion facilitated by Global Gas Centre</p> | |
| Coffee break | | 10 min 15:50-16:00 |
| Mr. Hongpeng Liu, Director, Energy Division, ESCAP | Wrap-up and closing | 10 min 16:00-16:10 |

For information, please contact Mr. Michael Williamson, Chief of Section, Energy Division, at williamson@un.org.