

GLOBAL RENEWABLE ENERGY FORUM 2019

The Road to Carbon-neutrality



PROGRAM

NOVEMBER 21, 2019 (14:00-18:00)

SESSION 1
Renewable Energy Policies

SESSION 2
Hydrogen Energy

HOTEL KÖNIGSHOF (Adenauerallee 9, 53111 Bonn)

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Global Renewable Energy Forum 2019 'The Road to Carbon-neutrality'

OVERVIEW

The 2019 edition of the Global Renewable Energy Forum (GREF) is co-organized by the Embassy of the Republic of Korea, Bonn Office, the International Renewable Energy Agency (IRENA), the UN Climate Change Secretariat (UNFCCC), and the German Federal Ministry for Economic Affairs and Energy.

The IPCC special report of October 2018 and subsequent reports made clear that the world is not on track to keep global temperature increase as close as possible to 1.5°C in line with the Paris Agreement. Greenhouse gas emissions have to peak soon and must be drastically decreased afterwards and carbon-neutrality must be achieved by mid-century. The recently signed MoU between IRENA and UNFCCC underscores the key importance of renewables to mitigate climate change.

Hydrogen is receiving much attention in the context of the global energy transition towards a sustainable and clean energy future. Hydrogen as a fuel could help to decarbonize end-use sectors that would be otherwise difficult to address through electrification. In addition, hydrogen could also enhance sector coupling between the electricity supply and end-use sectors industry, buildings and transport. Production of green hydrogen from renewables can add new flexibility, which facilitates the integration of higher shares of variable renewable sources (wind and solar PV).

Against this backdrop, and in line with the global focus of 2019 to strongly raise ambition in greenhouse gas emissions reductions, the overall focus of GREF 2019 is on pathways towards carbon-neutrality by 2050. In this regard, session 1 will analyze the current status of renewable energy policies and decarbonization pathways from different perspectives.

Session 2 highlights the role of hydrogen and power-to-x pathways. It focuses on improving the understanding of hydrogen 'as a low-carbon technology option' and analyzes existing barriers and solutions needed to accelerate its deployment. It will address various aspects of hydrogen as an important component to transit the planet to a sustainable energy future and towards achieving carbon-neutrality by 2050 in line with the Paris Agreement temperature goal.

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November 21, 2019, 14:00-18:15 hrs

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Registration and welcome coffee (13:30-14:00)

Opening and Keynotes Session (14:00-14:45)

- Welcome Address:
 - **Dooyoung Lee**, Consul General, Embassy of the Republic of Korea, Bonn Office.
- Keynotes:
 - **Patricia Espinosa**, Executive Secretary, UNFCCC (tbc).
 - **Dr. Dolf Gielen**, Director, IRENA Innovation and Technology Centre.
 - **Dr. Christine Falken-Grosser**, Federal Ministry for Economic Affairs and Energy.

Session 1: Renewable Energy Policies (14:45-16:30)

- **14:45**: The Policy Landscape of Renewable Energy, **Rana Adib**, Executive Secretary, REN21 (tbc).
- **14:55**: Renewable Energy and Decarbonization Pathways in Korea, **Dr. Sanghoon Lee**, President of the New & Renewable Energy Center (NREC), Korea Energy Agency.
- **15:05**: German and European Renewable Energy Policies from the Civil Society Perspective, **Jan Burck**, Senior Advisor - Low-Carbon Strategies & Energy, Germanwatch.
- **15:15**: Recent Developments and Future Outlook for Global Climate Mitigation Policy, **Claudio Forner**, Lead, Global Ambition. UNFCCC Secretariat
- **15:25**: The Role of Local Governments in fostering Renewable Energy Policies, **Rohit Sen**, Senior Officer for Renewable Energy, ICLEI – Local Governments for Sustainability.
- **15:35**: Panel Discussion and Q&A moderated by **Rana Adib**, Executive Secretary, REN21.

Coffee and networking break (16:30-16:45)

Session 2: Hydrogen Energy (16:45-18:15)

- **16:45**: Powerfuels – the Transformation of Global Energy Markets, **Andreas Kuhlmann**, CEO, German Energy Agency.
- **17:00**: Supply Chain of Hydrogen, **Hans Rasmusson**, Head of Division 'Technology and Innovation Management', German Gas & Water Association (DVGW).
- **17:15**: Hydrogen from a Renewable Energy Perspective, **Dr. Dolf Gielen**, Director, IRENA Innovation and Technology Centre.
- **17:30**: Panel Discussion and Q&A moderated by **Dr. Dolf Gielen**, Director, IRENA Innovation and Technology Centre.

Closing Remarks (18:15)

Networking Reception (18:20, Hotel Koenigshof)



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Co-organizers



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