



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.

Contact: energie_bonn@mofa.go.kr (Jamil Balga-Koch)

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Registration: [Click here](#)



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DRAFT PROGRAMM

November 21, 2019, 14:00-18:00 hrs
Hotel Koenigshof (Adenauerallee 9, 53111 Bonn)

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

Opening and Keynotes (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 (14:45-16:15)

Moderator: **Rana Adib**, Executive Secretary, REN21.

- Renewable Energy and Decarbonization Pathways in Korea.
- EU Climate Change and Carbon Emissions Reduction Policies.
- Ambition in Climate Change Mitigation Policies with a Renewable Energy Focus.
- The Role of Local Governments in fostering Renewable Energy Policies.
- Carbon Emissions Reduction Challenges from the Private Sector Perspective.
- Civil Society Perspectives on Renewable Energy Policies.
- Panel Discussion and Q&A.

Coffee and networking break (16:15-16:30)

Session 2: Hydrogen Energy (16:30-18:00)

Moderator: **Dr. Dolf Gielen**, Director, IRENA Innovation and Technology Centre.

- Hydrogen from a Renewable Energy Perspective.
- The Supply Chain of Hydrogen.
- Various Power-to-X Pathways.
- Panel Discussion and Q&A.

Closing Remarks (18:00)

Networking Reception (18:15, Hotel Koenigshof)

*The speakers will be announced very shortly.



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Co-organizers



Partners

