

UNFCCC COP 23 SPECIAL EVENT



Towards a Low Carbon, Green Energy Future

*November 12, 2017, Hotel Koenigshof (Adenauerallee 9, 53111 Bonn, Germany)
10:00-18:00 hrs*

BACKGROUND

COP 23 in Bonn, presided over by the Republic of Fiji and organized by UNFCCC in November 2017, will focus on turning the words and commitments of the Paris Agreement into measurable actions by all countries.

Implementing climate action measures and energy transition policies in the post-Paris Agreement world requires a systemic approach that connects the power sector (e.g., via electrification) with prominent end-use sectors such as transport and housing in innovative and integrated ways (e.g., via ICT) in cities, countries, and regions around the world.

Following the success of GREF 2016, which focused on the power sector, the Embassy of the Republic of Korea, Bonn Office (Germany) in cooperation with UNFCCC, the German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, and the Ministry of Economic Affairs, Innovation, Digitalization and Energy of the German State of North Rhine-Westphalia, continues with GREF 2017 titled "Towards a Low Carbon, Green Energy Future".

The **COP 23 Special Event - Global Renewable Energy Forum (GREF) 2017** provides added value to the COP 23 policy discussions by:

- 1. Engaging and informing an international audience on state-of-the-art, energy transition applications and policies in two key sectors: **Transport** (e.g., strategy roadmaps, electric vehicles, batteries, 'mobility as a service', and diesel phase out policies); and **Innovative, Integrated Systems** (e.g., smart cities, heating and cooling);
- 2. Highlighting the link between land, renewable energy, and climate change; and by
- 3. Showcasing innovative ways for **enabling energy access in the Global South**.

Both transport and integrated systems constitute the new frontier in translating and implementing the Paris Agreement into practical policies and pointing the global community towards a low carbon, green energy future beyond COP 23.

THANKS TO OUR CO-ORGANIZERS



United Nations
Framework Convention on
Climate Change



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

Ministry of Economic Affairs,
Innovation, Digitalization and Energy of the
State of North Rhine-Westphalia



THANKS TO OUR PARTNERS



DRAFT PROGRAM

Opening Session (10:00-10:10)

- **Welcome Address** by *Consul General, Keum Chang Rok*
- **Welcome Address** by *Ambassador for Climate Change, Ministry of Foreign Affairs, Republic of Korea, Kim Chan-woo*

Key Notes: Multi-Level Low Carbon, Green Energy Future (10:10-10:45)

- **The Future of the Paris Agreement and the Role of Climate Technology**, *Patricia Espinosa, Executive Secretary, United Nations Framework Convention on Climate Change (UNFCCC) (tbc)*
- **The Role of Green Energy in Germany's Climate Policy**, *Dr. Barbara Hendricks, Minister, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Federal Republic of Germany (tbc)*
- **Energy Transition in the State of North Rhine-Westphalia**, *Prof. Dr. Andreas Pinkwart, Minister, Ministry of Economic Affairs, Innovation, Digitalization and Energy of the State of North Rhine-Westphalia, Federal Republic of Germany*
- **The Role of Local Governments in Securing a Green Energy Future**, *Park Won Soon, President, ICLEI – Local Governments for Sustainability / Mayor, Seoul (tbc)*

Introduction and Chair: *Dr. Oh Sung Hwan, Minister-Counselor, Embassy of the Republic of Korea, Bonn Office*

Picture

Coffee Break (10:45-11:00)

Session I: Low Carbon Options for the Transport Sector (11:00-12:30)

- **Greenhouse Gas Neutral Transport – an Achievable Future**, *Dr. Harry Lehmann, General Director, Division I Environmental Planning and Sustainability Strategies, Federal Environment Agency (UBA), Federal Republic of Germany*
- **'The Great Battery Race': This is the Landscape of Transport!**, *Gerard Reid, Founding Partner, Alexa Capital*
- **Smart Charging for All: Large-Scale Deployment of Electric Vehicle Charging Systems**, *Kristof Vereenooghe, CEO, EVBox*

Country Case Study:

- **The Role of Mobility as a Service in the Global Energy Transition: Lessons from Finland**, *Laura Sarlin, Senior Officer, Ministry of Transport and Communications, Republic of Finland*

Moderation: *Dr. Frank-Michael Baumann, Managing Director, EnergyAgency.NRW*

Lunch Break (12:30-13:30)

Panel Discussion: Why Land Matters for a Low Carbon, Green Energy Future (13:30-14:30)

- *Christine Lins, Executive Secretary, Renewable Energy Policy Network for the 21st Century (REN 21)*
- *Dr. Aray Mathur, Director General, The Energy & Resources Institute (TERI) (tbc)*
- *Dr. Paolo Frankl, Head of Renewable Energy, International Energy Agency (IEA) (tbc)*
- *Prof. Dr. Nebojsa Nakicenovic, Deputy Director General / Deputy Chief Executive Officer, International Institute for Applied Systems Analysis (IIASA) (tbc)*

Moderation: *Dr. Pradeep Monga, Deputy Executive Secretary, United Nations Convention to Combat Desertification*

Session II: Innovative, Integrated Systems (14:30-16:00)

- **How to Construct a Smart City**, *Prof. Peter Droege, President, European Association for Renewable Energy - EUROSOLAR e.V. / Director, Liechtenstein Institute for Strategic Development*
- **Building the ‘Enernet’ and Designing Sustainable and Smart Cities: Energy, Transportation and Communications**, *Brian Lakamp, CEO, Totem Power*
- **Supporting Climate Protection in Urban Development**, *Harald Neitzel, Deputy Director, Division KI II 3 International Affairs “Environment and Energy”, “Environment and Building and Urban Planning”, OECD and Cooperation with Industrialised Countries, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Federal Republic of Germany*

Case Study:

- **Decarbonizing the EU’s Heating and Cooling Sector – the DecarbHeat Initiative**, *Thomas Nowak, Secretary General, European Heat Pump Association*

Moderation: *Dr. Dolf Gielen, Director, IRENA Innovation Technology Centre (IITC)*

Coffee Break (16:00-16:15)

Special Session: Enabling Energy Access in the Global South (16:15-17:45)

Off-grid solutions:

- **Access to Renewable Energy – New Pathways for Development in Africa**, *Dr. Ibrahim Togola, Chairman, Mali Folkecenter Nyetaa (MFC)*
- **Combining Innovative Business Models with Mobile Solar Containers to Electrify Rural Areas in the Global South**, *Torsten Schreiber, Founder, Africa Green Tec*
- **Q&A**

CSR solutions:

- **Green Innovation Alliance: Breaking New Grounds for Volunteerism in the Renewable Energy Sector**, *Dr. Oh Sung Hwan, Minister-Counselor, Embassy of the Republic of Korea, Bonn Office*
- **Corporate Social Responsibility and Public-Private Partnerships in the Renewable Energy Sector**, *Park Moonhee, Director, Daesung Institute for Clean Energy*
- **Q&A**

Moderation: *Amanda Khozi Mukwashi, Chief, Volunteer Knowledge and Innovation Section, UN Volunteers Programme*