

## COP 24 – RENEWABLE ENERGY DAY

Organised by the International Renewable Energy Agency (IRENA)

### Harvesting the Benefits of a Renewables-based Global Energy Transition

Tuesday 11<sup>th</sup> December 2018

#### Renewable Energy Day Description

Renewable Energy Day, which is part of the World Climate Summit, will highlight the socio-economic benefits of an energy transition to meet the Paris Agreement targets. The event will explore how the resulting profound changes will impact countries, regions, and communities and what is needed to ensure the costs and benefits are born and shared fairly while making sure no-one is left behind.

The event will also showcase how innovation is driving an accelerated transition towards renewable-powered, low-carbon energy systems around the world and emphasize the positive message that many of the solutions we need to deliver one the Paris commitments are already emerging. The pressing need however is to accelerate and broaden their uptake so that many more countries can benefit from them.

#### Third Session of RE-Day: 13:30 -14:30 – Innovative Solutions for a Renewable-Powered Future

##### Moderator:

Dolf Gielen – Director Innovation & Technology, IRENA (confirmed)

##### Speakers:

1. Audrey Quehen, Mission Director, Engie (confirmed)
2. Szymon Byliński, Director of the Innovation Department, Poland Ministry of Energy (confirmed)
3. Anton Koller, Divisional President of Danfoss District Energy (confirmed)
4. Sir Philip Lowe, Executive Chair, Energy Trilemma, World Energy Council (confirmed)
5. Indian government - representing MI (tbc)
6. Andrew Prag, Head of the Environment and Climate Change Unit, IEA (confirmed)

##### Format

5-6 minutes introductory remarks by the moderator then the 6 panelist each giving summary remarks 3-4mins each (can use slides if useful but suggest keep to maximum of 3). Then 20-25 minutes for questions from the moderator and discussions. Question from the floor at the end (if time allows).

##### Session Overview

- This session will provide differing perspectives (government, industry, international bodies) on how innovation is accelerating the energy transition.
- This session will demonstrate that many of the solutions we need for a low-carbon renewable-powered future exist and are affordable; however, it is essential to ensure that many more

companies and countries are inspired by and learn from the pioneers and are innovative in broadening and accelerating their adoption.

- This session will discuss innovative solutions for the integration of variable renewable energy that take advantage of the trends of digitalization & decentralisation.
- It will also discuss solutions for the decarbonisation of end-use sectors – including the role of RE powered electrification and the role of renewable fuels and gases.
- Speakers will discuss their views of what is needed, what is working and where there is potential for further innovation.
- The panel will discuss how to broaden uptake – what are the barriers, what are the opportunities and what must public and private sector actors do.

#### (Draft) Run of show:

- Moderator will open with some context from IRENA's work on the how digitalization, decentralisation and electrification are driving energy system transformation, discuss the need for flexibility to integrate VRE and highlight how systemic innovation how solutions are emerging.
- PL to provide WEC perspectives on adapting to decentralisation & digitalization – including innovations in policy, market design
- India to speak about the challenges they face and how innovation is assisting
- CB to speaking about Polish priorities for renewable and clean energy innovation and in particular the integration of electric vehicles.
- AQ will speak about Engie's vision of a competitive ecological transition – highlighting interesting examples of innovations they are supporting – in particular the role of renewable gases - and describing where Engie believes more can/should be done.
- AK will speak about Danfoss's work to support innovation – highlighting interesting examples and describing where Engie believes more can/should be done.
- AP to speak about RD&D gaps in current technology capability

#### Questions for panel discussion

- Decarbonizing end-use sectors is a particular challenge – how significant will electrification be and what is the role for renewable gases and electric fuels (e.g. hydrogen or hydrogen derived fuels)?
- You have each highlighted promising innovative solutions – what are the barriers to their broader uptake?
- From your experience what has worked in getting innovative project deployed?
- Who needs to do what to accelerate and broaden the adoption? Is this for governments for companies or, if both, what are their respective roles?
- Finance is an issue but is being discussed elsewhere – what are the other factors? Is a lack of awareness amongst key decision makers an issue? Or a lack of knowledge on what works. What is needed, or a lack of confidence?
- What can far-sighted governments do to assist innovation and the adoption of innovations – or example how significant are regulatory hurdles?

## Practical Information

### Registration

We will ensure you are registered for the event and you will receive your badge in the registration area at the venue. If you need to register anyone from your team or delegation who will be accompanying you, please send this information (full name, working title, email) to [lelde@wclimate.com](mailto:lelde@wclimate.com) and cc [pdurrant@irena.org](mailto:pdurrant@irena.org). The registration desk will open at 8:00am. Please ensure to bring your official picture ID.

### Event Venue

Vienna House Easy Angelo, Sokolska 24, 40-086 Katowice, Phone: +48 32 783 81 00

### Arrival to Event

Please arrive approx. 45 minutes prior to the start time of your panel session. If any problems arise on the day of the event, please contact Mariann Omholt +45 40 83 04 97. If possible, please have available a 45 minutes period on either side of your scheduled speaking slot.

### Speaking Engagement

There will be a designated area for speakers, a meeting room called 'Speaker/VIP Room', that we recommend be used for pre-session briefings. Please be at the stage 10 minutes prior to the start of your session to be fitted with your microphone. Your session will take place in the Rubin Session Hall.

### Speaker Badges

Please pick up your speaker badge at the dedicated registration desk for speaker at the entrance of the venue, Vienna House Easy Angelo.

### Coffee & Lunch

Coffee and lunch for speakers will be served in the 'Networking' area.

### The Networking Area

During the event you will have opportunity to meet and network with the other speakers and participants in the Networking Area. As your audience will want to meet you after the session we strongly encourage you to use this area to continue the discussion in a more informal environment.

### Points of contact on the day

- Paul Durrant, IRENA Session lead, Tel: +49 172 139 3914, Email: [pdurrant@irena.org](mailto:pdurrant@irena.org)
- Mariann Omholt, WCS Project Manager, Tel: +45 40 83 04 97, Email: [mariann@wclimate.com](mailto:mariann@wclimate.com)
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The full program agenda can be accessed: <http://worldclimatesummit.org/programme/>