

# 2019 International Forum on Long-term Energy Scenarios for the Clean Energy Transition

10-12 April 2019, Berlin, Germany

**Wednesday, 10<sup>th</sup> April 2019**

**Venue:** Willy-Brandt, Foreign Office of the Federal Republic of Germany. Werderscher Markt 1, Berlin

**Side event during the Berlin Energy Transition Dialogue:**

**EXPLORING THE BOUNDARIES OF RAPID CLEAN ENERGY TRANSITION – THE ROLE OF LONG-TERM ENERGY SCENARIOS**

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

**14:45 – 15:00** Opening remarks – **Francesco La Camera**, Director General, IRENA

Keynote address – **Kristoffer Bøttzauw**, Director General, Danish Energy Agency

**15:00 – 15:40** **Part 1 – Scenarios to better reflect rapid clean energy transition**

Moderator: **Prof. Brian O’Galloch**, Director, Centre for Marine and Renewable Energy Ireland, University College Cork (UCC); and Chair, Executive Committee of the International Energy Agency Technology Collaboration Programme (IEA TCP) – Energy Technology Systems Analysis Program (ETSAP)

**Comparing and using global energy scenarios** – **Dr. Angela Wilkinson**, Senior Director, Scenarios and Business Insights, World Energy Council

**High VRE and EV** – **Prof. Yongqiang Zhao**, Deputy Director, China National Renewable Energy Centre

**Achieving the Paris Climate Agreement Goals – Global and Regional 100% Renewable Energy Scenarios with Non-energy GHG Pathways for +1.5C and +2.0C** – **Dr. Sven Teske**, Research Director, Institute for Sustainable Futures, University of Technology, Sydney

**15:40 – 16:40** **Part 2 – Panel discussion with planners from the public sector**

Moderator: **Dr. Stathis Peteves**, Head of Unit of Energy, Transport and Climate Directorate, Joint Research Center, European Commission

**Fatima AlFoora AlShamsi**, Assistant Undersecretary for Electricity, Water and Future Energy Affairs, Ministry of Energy and Industry, United Arab Emirates

**Prof. Medardo Cadena**, Director of Integration, Latin American Energy Organisation

**Prof. Dr. Tomas Kåberger**, Member of the Swedish Climate Policy Council, Former Head of the Swedish Energy Agency

**Michael Paunescu**, Deputy Director Policy, Renewable and Electrical Energy Division, Natural Resources Canada

**Ellen von Zitzewitz**, Federal Ministry for Economic Affairs and Energy, Germany

**16:40 – 16:45** Conclusions – **Dr. Dolf Gielen**, Director, Innovation and Technology Centre, IRENA

## **LTES MEMBERS AND PARTNERS PRE-FORUM MEETING (CLOSED)**

**Venue:** Salon Heine, Hilton Berlin – Mohrenstraße 30, Berlin

**17:15 – 18:30** Discussion (a separate agenda is available for the LTES campaign members and partners)

## **FORUM RECEPTION**

**Venue:** Restaurant Coelln, The Westin Grand Berlin, first floor – Friedrichstraße 158/164, Berlin, Germany

**19:00 – 21:00** Open to all participants of the Forum and the BETD side event.

Thursday, 11<sup>th</sup> April 2019

**Venue:** Salon Unter den Linden, The Westin Grand Berlin – Friedrichstraße 158/164, Berlin

**MC:** **Dr. Paul Durrant**, Strategy & Engagement Lead, Renewable Energy Innovation, IRENA

**8:00 REGISTRATION OPENS (IN FOYER)**

**8:30 – 9:00 COFFEE AND TEA**

## **SESSION 1: OPENING – LONG-TERM ENERGY SCENARIOS FOR THE CLEAN ENERGY TRANSITION**

**9:00 – 9:20** Welcome remarks – **Dr. Dolf Gielen**, Director, Innovation and Technology Centre, IRENA

Keynote address – **Dr. Christoph Reichle**, Deputy Director General Energy, Federal Ministry for Economic Affairs and Energy, Germany

## **SESSION 2: COMMUNICATION AROUND SCENARIOS – HOW CAN WE IMPROVE THE COMMUNICATION AROUND LONG-TERM ENERGY SCENARIOS TO MAKE THEM MORE RELEVANT TO POLICYMAKING UNDER TRANSITION?**

**Moderator:** **Dr. Tiina Koljonen**, Research Team Leader, Energy Systems and Climate research team VTT Technical Research Centre of Finland

**9:20 – 9:25** Introduction to the session by the moderator

**9:25 – 10:25 Better communication of scenarios – Dr. Elmar Kriegler**, Head of the Transformation Pathways department, Potsdam Institute for Climate Impact Research

**Using scenarios to expand our thinking about energy futures – Prof. Dr. Evelina Trutnevyte**, Head of Renewable Energy Systems group, University of Geneva

**Chinese experience on scenario results for policy making – Kaare Sandholt**, Chief Expert, China National Renewable Energy Centre

**Interaction with politicians through “model lab” exercise – Dr. Kenneth Karlsson**, Head of Energy Systems Analysis Group, Sustainability Division, Technical University of Denmark and Operating Agent, IEA TCP – ETSAP

**10:25 – 11:00 GROUP PHOTO AND COFFEE BREAK**

**11:00 – 12:15** Panel discussion and audience interventions

**Thiago Vasconcellos Barral Ferreira**, President, Energy Research Office, Brazil

**Reshma Francy**, Project Manager – Energy Strategies and Policies, Ministry of Energy, United Arab Emirates

**Dr. Paul Koutstaal**, Deputy head of the Climate, Air and Energy department, PBL Netherlands Environmental Assessment Agency, Netherlands

**Dr. Uwe Remme**, Lead, Energy-supply technology analysis, International Energy Agency

**12:15 – 13:15 LUNCH BREAK**

### **SESSION 3: GOING BEYOND ENERGY SYSTEMS ANALYSIS – HOW CAN LONG–TERM ENERGY SCENARIOS BE MORE RELEVANT TO CLIMATE POLICY MAKING?**

Moderator: **Dr. George Giannakidis**, Project Head, IEA TCP – ETSAP

**13:15 – 13:20** Introduction of the session by the moderator

**13:20 – 14:20** **How can long–term energy scenarios be more relevant to climate policy making? – Prof. Brian O’Gallachoir**, Director, Centre for Marine and Renewable Energy Ireland, UCC; and Chair, Executive Committee of the IEA TCP – ETSAP

**Resource efficient pathways towards a greenhouse gas neutral and more sustainable Germany – Dr. Harry Lehmann**, General Director, Federal Environmental Agency of Germany

**Article 4 of the Paris Agreement: Alignment of long–term climate objectives with national development planning processes – Dr. Bernd Hackmann**, Programme Officer, United Nations Framework Convention on Climate Change

**Socio-economic footprint of the energy transition – Dr. Xavier Garcia-Casals**, Senior Consultant, Policy Unit, Knowledge, Policy and Finance Centre, IRENA

**14:20 – 15:30** Panel discussion and audience interventions

**Prof. Brian O’Gallachoir**, Director, Centre for Marine and Renewable Energy Ireland, UCC; and Chair, Executive Committee of the IEA TCP – ETSAP

**Dr. Harry Lehmann**, General Director, Federal Environmental Agency of Germany

**Dr. Bernd Hackmann**, Programme Officer, United Nations Framework Convention on Climate Change

**Elzo Molenberg**, Senior policy officer, bilateral, European Union and international energy relations, Ministry of Economic Affairs, Netherlands

**15:30 – 16:00** **COFFEE BREAK**

### **SESSION 4: CORPORATE AND FINANCIAL SECTOR PERSPECTIVE ON LONG–TERM ENERGY SCENARIOS FOR CLEAN ENERGY TRANSITION**

Moderator: **Niels Bisgaard Pedersen**, Adviser, Danish Energy Agency, Denmark

**16:00 – 16:05** Introduction to the session by the moderator

**16:05 – 16:45** **Incorporating climate risks into corporate management and reporting – Dr. Lothar Rieth**, Group Expert Sustainability, EnBW Energie Baden-Württemberg AG, Germany

**Climate change: impact on the economy and financial system – Ryan Barrett**, Senior Analyst, Climate Hub, Bank of England

**16:45 – 18:10** Panel discussion and audience interventions

**Dr. Klaus Willnow**, Head of Innovation and Future Technologies, Siemens Gamesa Renewable Energy

**Karin Ohlenforst**, Director of Market Intelligence, Global Wind Energy Council

**Barbara Jinks**, Director of Government Relations, Gas Infrastructure Europe

**Martin Haigh**, Senior Energy Advisor, Shell

**Dr. Lothar Rieth**, Group Expert Sustainability, EnBW Energie Baden-Württemberg AG, Germany

**Ryan Barrett**, Senior Analyst, Climate Hub, Bank of England

## 18:10 – 18:15 WRAP UP AND CLOSING OF DAY 1

**Friday, 12<sup>th</sup> April 2019**

**Venue:** Salon Unter den Linden, The Westin Grand Berlin – Friedrichstraße 158/164, Berlin

**MC:** **Dr. Paul Durrant** – Strategy & Engagement Lead, Renewable Energy Innovation, IRENA

**8:00 – 9:00 REGISTRATION OPENS (IN FOYER)**

**9:00 – 9:30 COFFEE AND TEA**

## **SESSION 5: INSOURCING AND OUTSOURCING SCENARIO PLANNING CAPABILITY – HOW MUCH SCENARIO PLANNING CAPACITY NEEDS TO RESIDE WITHIN GOVERNMENTS?**

**Moderator:** **Prof. Riccardo Bracho**, Senior International Programs Manager – Integrated Applications Center, National Renewable Energy Laboratory

**09:30 – 9:35** Introduction to the session from the moderator

**09:35 – 10:50** **How Denmark built cooperation across government, academia and technical institutions – Dr. Giada Venturini**, Advisor, Danish Energy Agency, Denmark

**Perspective from the sub-national government, how Abu Dhabi has built scenario planning capacity – Carlos Gascó Travesedo**, Executive Director for Policy, Department of Energy, Abu Dhabi

**European perspective – Dr. Ekehard Rosenbaum**, Scientific / Technical Project Officer, European Commission Joint Research Centre, Directorate I – Competences, Unit I.2 – Foresight, Modelling, Behavioural Insights and Design for Policy

**Energy planning in Africa: Challenges and opportunities for insourcing capabilities – Dr. Philipp Trotter**, Research Associate in Renewable Energy, University of Oxford

**10:50 – 11:10 COFFEE BREAK**

**11:10 – 12:30** Panel discussion and audience interventions

**Michael Paunescu**, Deputy Director of Policy, Renewable and Electrical Energy Division, Natural Resources Canada

**Ubiratan Francisco Castellano**, Technical Consultant and Former Director at Ministry of Mines and Energy, Brazil

**Carolyn Schenuit**, Team leader System and Market Integration Renewable Energies, German Energy Agency (DENA), Germany

**Dr. Miriam Bueno Lorenzo**, Technical advisor, Directorate of Renewable Energies and Studies, Ministry for the Ecological Transition, Spain

**Bansidhar Bandi**, Energy and Climate Change Specialist, The National Institution for Transforming India, Government of India

**12:30 – 13:30 LUNCH BREAK**

## **SESSION 6: LAUNCH OF THE ENERGY TRANSITION SCENARIOS NETWORK**

Moderator: **Prof. Brian O’Gallachoir**, Director, Centre for Marine and Renewable Energy Ireland, UCC; and Chair, Executive Committee of the IEA TCP – ETSAP

**13:30 – 13:35** Introduction to the session from the moderator

**13:35 – 13:45 IRENA’s Energy Transition Scenarios Network – Dr. Asami Miketa**, Senior Programme Officer, Power Sector Investment Planning, IRENA

**13:45 – 14:45** Brief introduction to global networks to support long-term clean energy transition

**Overview of the NDC Partnership – Thibaud Voïta**, Head of Knowledge Products

**LEDS Global Partnership – Caroline Uriarte**, Leader of the Low Emission Development Strategies Global Partnership program, Deutsche Gesellschaft für Internationale Zusammenarbeit, GIZ

**ASEAN Clean Energy Centre – Beni Suryadi**, Manager of Policy, Research and Analytics Programme, ASEAN Energy Centre

**Roundtable on Strategic Energy Planning – Dr. Ryan Hogarth**, Head of Research and Engagement, Energy and Economic Growth Programme, led by Oxford Policy Management and funded by the UK Department for International Development

**Latin American Network – Prof. Medardo Cadena**, Director of Integration, Latin American Energy Organisation

**14:45 – 16:00** Panel discussion and audience interventions

**Panellists:** Medardo Cadena, Ryan Hogarth, Beni Suryadi, Caroline Uriarte, Thibaud Voïta

**16:00 – 16:30 CLOSING OF THE EVENT AND REFRESHMENTS**

## **LTES MEMBERS AND PARTNERS POST-FORUM MEETING (CLOSED)**

**Venue:** The Westin Grand Berlin – Friedrichstraße 158/164, 10117 Berlin, Germany

**16:30 – 18:00** Discussion (a separate agenda is available for the LTES campaign members and partners)

## **Notes**

For any questions or more information, please contact [LTES@irena.org](mailto:LTES@irena.org).

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