

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

10-12 April 2019, Berlin, Germany

Wednesday, 10th 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'Gallachoir**, 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, 11th 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

Nataliya Kushko, Advisor, Ministry of Ecology and Natural Resources of Ukraine

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

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

India, speaker TBC

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

Scenarios for assessing financial stability risks – Chris Faint, Head of the Peer Supervision and Risks Division, International Banks Directorate, 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

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

Friday, 12th 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)

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. Eckehard 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 – 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, Brasil.

Carolin 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

Global Green Growth Institute – Dr. Dereje Senshaw, Principal Energy Specialist, Global Green Growth Institute

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, Dereje Senshaw, 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.

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