



European Launch on the occasion of COP23

China Renewable Energy Outlook 2017

China's Energy Transition Roadmap

Bonn, Germany – Tuesday, 14 November 2017

GIZ Mäanderbau Building
Friedrich-Ebert-Allee 36
53113 Bonn

Jointly organized by



China has started the transformation from a coal-based energy system with high environmental costs to a low-carbon and environmentally friendly energy system. The right strategies for policy measures are on the table, but the success of the energy transition depends on strong implementation of the supporting policies– the power market must be enforced in a way that stimulates flexibility and integration of renewable energy, the carbon pricing mechanisms must ensure sufficiently high carbon prices to make an impact on CO₂ emissions and the support schemes for renewable energy must stimulate cost-efficient deployment of renewable energy projects. Also, more ambitious targets for renewable energy and for coal reduction are needed in the near-term for China to be able to comply with the Paris Agreement requirements for a “well below 2 °C” future.

In the new 2017 version of China Renewable Energy Outlook, China National Renewable Energy Centre (CNREC) and its national and international partners analyze different roadmaps for the Chinese energy transition, aiming at a low-carbon energy system in 2050.

We would like to invite you to the European launch of the China Renewable Energy Outlook 2017 and to join the discussion on the actions that need to be taken in China and internationally in order to prevent more damaging climate change.

Following COP23 spirit, we try to print as little as possible. If you want the paper version, please print it on your own. We will provide the downloading link of the e-version agenda at the meeting.

Agenda

3:30pm until 6:30pm, followed by a reception

- 3:30pm** **Registration and coffee**
- 4:00pm** **Welcome and setting the scene**
Moderator: Sandra Retzer, Head of Cluster, Sustainable Urbanization, Transportation and Energy, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) China
- 4:05 pm** **Words of welcome**
Thorsten Herdan, Director General, Energy Policy (Heating and Energy Efficiency) Department, German Federal Ministry for Economic Affairs and Energy (BMWi)
Graeme Sweeney, Chairman of the Board, Children's Investment Fund Foundation (CIFF)
Anton Beck, Head of Division, Centre for Global Cooperation, Danish Energy Agency (DEA)
- 4:20 pm** **China Renewable Energy Outlook 2017**
WANG Zhongying, Director, China National Renewable Energy Centre (CNREC)
Deputy Director, Energy Research Institute (ERI), National Development and Reform Commission (NDRC)
- 4:45 pm** **Coffee break**
- 4:55pm** **China's Energy Transition roadmaps – NGO's perspective**
Hal Harvey, CEO, Energy Innovation
- 5:10 pm** **China's Energy Transition roadmaps – business perspective**
YE Haibo, China Director, World Business Council for Sustainable Development (WBCSD)
- 5:25pm** **China's Energy Transition roadmaps – panel discussion**
Moderator : Patrick Graichen, Executive Director, Agora Energiewende
Thorsten Herdan, Director General, BMWi
Thomas Egebo, Permanent Secretary of State, Ministry of Energy, Utilities and Climate, Denmark
LEI Hongpeng, Director, Climate Change, CIFF
Andreas Kuhlmann, Chief Executive, Germany Energy Agency (dena)
Douglas Arent, Executive Director, Joint Institute for Strategic Energy Analysis, National Renewable Energy Laboratory (NREL)
- 5:55pm** **Q&A with audience**
- 6:25pm** **Concluding remarks**
WANG Yi, Vice President and Professor, Institutes of Science and Development, China Academy of Sciences/Advisor to CIFF Programme Investment Committee Climate
- 6:30 pm** **End of event and dinner reception**

Registration

This event is free of charge. You can register until November 10th 2017 on the following website.
<https://www.bonn-conferences.de/gizchina/en/1008>

Please note that this event will take place at the premises of Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Friedrich-Ebert-Allee 36, 53113 Bonn. **UNFCCC accreditation is not required for participation.**

We kindly ask for registration at your earliest possible convenience to facilitate the organization of the meeting. Once you have completed the registration process you will receive an email confirming that your registration has been successful. You will receive a confirmation of participation following the review of your registration.

If you have any problems with the registration process, organization and content, please contact us for assistance at the following address: renewable.china@giz.de

China Renewable Energy Outlook 2017

Implementing Unit



Financial Support



Technical Support



Speakers and Panellists

Mr. Thorsten Herdan, Director General, Energy Policy (Heating and Energy Efficiency) Department, German Federal Ministry for Economic Affairs and Energy (BMWi)



Thorsten Herdan was assigned as the director of the energy policy (Heating and Energy Efficiency) department of the Federal Ministry for Economic Affairs and Energy of Germany (BMWi) in June, 2014. He formerly served as the executive manager of the professional committees of German Engine and System Manufacturing and German Power System Manufacturing, the German Internal Combustion Engine Research Association as well as the Energy Forum of the Federal Engineering Union of Germany. He has also served as the board member of The European Association of Internal Combustion Engine Manufacturers and The European Wind Energy Association, and as the vice chairman of the board of the German Offshore Wind Energy Foundation.

Dr. Graeme Sweeney, Chairman of the Board, Children's Investment Fund Foundation (CIFF)



Dr. Sweeney is a leading authority on energy and climate change. He is Chairman of the Advisory Council of the European Technology Platform of Zero Emission Fossil Fuels Power Plants, a founder of the Global Carbon Capture and Storage Institute and a member of the Scottish First Minister's Energy Advisory Board. After a 35-year career at Royal Dutch Shell, he worked in a number of departments at operations around the world. At various stages, he worked in Shell's new technology business, he ran the marketing, supply and distribution business for Europe, and his last role at the company was Executive Vice-President of CO₂. Dr. Sweeney has a PhD in mathematics from Manchester University.

Mr. Thomas Egebo, Permanent Secretary of State, Ministry of Energy, Utilities and Climate, Denmark



Thomas Egebo was assigned as the Permanent Secretary of State at the Danish Ministry of Energy, Utilities and Climate since October, 2011. He formerly served as the Permanent Secretary of State in various ministries including Ministry of Climate, Energy and Buildings, Ministry for Gender Equality, Ministry of Transport, and as the Deputy Permanent Secretary of State at the Ministry of Finance. Before he moved on to the Danish ministries he dedicated more than 10 years of his career in the OECD and served as Principal Administrator of the International Trade and Investment Division with the Economics Department of the OECD from September 1995 to October 1996.

Mr. WANG Zhongying, Director, China National Renewable Energy Centre (CNREC) | Deputy Director, Energy Research Institute (ERI), National Development and Reform Commission (NDRC)



Mr. Wang obtained his Master Degree in Energy Analysis from the Nuclear Research Centre of Tsinghua University in 1989. Since he started to work at the Energy Research Institute in December 1989, Mr. Wang successively worked for research of energy supply and demand analysis and energy supply modelling, then engaged in the policy research of new and renewable energy industries for a long term, covering fields of developing strategy and planning of regional new and renewable energy industries, Renewable Energy Legislation, pricing mechanism of new and renewable energy industries and auxiliary policies of sustainable industrial development in commercialisation of technology.

Dr. WANG Yi, Vice President and Professor, Institutes of Science and Development, China Academy of Sciences/Advisor to CIFF Programme Investment Committee Climate



Dr. Wang obtained his PhD from Tsinghua University in 2009. Apart from his current occupation in CAS, he was also a member of the twelfth Standing Committee of the National People's Congress. Dr. Wang is specialized in the area of sustainable development, especially policy analysis regarding resources, environment, energy and climate change, as well as comprehensive watershed management. In years of research and practice, he published more than ten books and more than 40 theses. In 1994, he won the China Science and Technology Award for Youth and in 1997, he won the first prize of Scientific and Technological progress from Chinese Academy of Sciences.

Mr. Hal Harvey, Chief Executive Officer, Energy Innovation



Hal Harvey is the CEO of Energy Innovation, a San Francisco-based energy and environmental policy firm. Previously, Mr. Harvey was the founder and CEO of Climate Works Foundation, a network of foundations that promote policies to reduce the threat of climate change. He has served on energy panels appointed by Presidents Bush (41) and Clinton, and has published two books and dozens of articles on energy and national security issues. He is President of the Board of Directors of the New-Land Foundation, Chairman of the Board of MB Financial Corporation, and Vice Chairman of the Scientific Advisory Board for Mercator Climate Centre. He is also a Senior Fellow for Energy and the Environment at the Paulson Institute, and in 2016 was awarded the Heinz Award for the Environment. He holds B.S. and M.S. degrees from Stanford University in Engineering, specializing in Energy Planning.

Mr. YE Haibo, China Director, World Business Council for Sustainable Development (WBCSD)



Ye Haibo acquired his Bachelor of Arts of English Language and Literature from East China Normal University and completed his Master Degree of Law from Peking University as well as gaining a Business Management Diploma from Warwick Business School. He once served as the Commerce Minister's main brain trust for US trade policy from 2002-2004 in MOFCOM. Then he gained 10-year career manager experience with renowned international logistics and express company (TNT), serving as public / customs affairs senior manager, and Chief Representative & BU General Manager successively. From 2015, he started to work as the Senior Advisor for Greater China and now become the China Director for World Business Council for Sustainable Development (WBCSD).

Mr. LEI Hongpeng, Director, Climate Change, Children's Investment Fund Foundation (CIFF)



Mr. Lei leads CIFF's China climate granting strategy and China portfolio management. His career spans government, think tank, NGOs and philanthropies. Before joining CIFF, he was directing the Energy Program at the China office of World Resources Institute, and led the strategic planning, designing and implementing of the program with a focus on renewable energy and energy efficiency. He also led the energy pillar of the China Sustainable Cities Initiative focusing on low carbon city planning and demonstration. Before joining WRI, he led WWF China's climate and energy team and its Low Carbon City Initiative. He also worked on building energy efficiency and green building at China's Ministry of Construction, where he gained extensive experiences on building sector.

Mr. Andreas Kuhlmann, Chief Executive, German Energy Agency (dena)



Andreas Kuhlmann was appointed dena's Chief Executive in July 2015. Among others, the graduate physicist has held positions at the German Association of Energy and Water Industries (BDEW), the German Embassy in Stockholm and the European Parliament, the German Parliament and the Federal Ministry of Labor and Social Affairs. Andreas Kuhlmann majored in physics and minored in economics at the universities of Bonn, Heidelberg and Corvallis (USA). In 2007, Mr. Kuhlmann joined the German Embassy in Stockholm where he was in charge of the department for social matters and, temporarily, the economics department. Upon his return from Sweden in autumn 2008, he was appointed office manager of the SPD party leader Franz Müntefering. Two years later, in 2010, he became Director Strategy and Politics of the BDEW where he managed the Politics and Economics departments.

Dr. Douglas Jay Arent, Executive Director, Joint Institute for Strategic Energy Analysis, National Renewable Energy Laboratory (NREL)



Dr. Arent is Executive Director of the Joint Institute for Strategic Energy Analysis at the National Renewable Energy Laboratory (NREL). Arent was a Coordinating Lead Author for the 5th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). His research interests are centered in energy and sustainability, where he has been active for more than 30 years. He has published extensively on topics of clean energy, renewable energy, power systems, natural gas, and the intersection of science and public policy. Arent has a Ph.D. from Princeton University, an MBA from Regis University, and a bachelor's of science from Harvey Mudd College in California.

Moderators

Ms. Sandra Retzer, Head of Cluster, Sustainable Urbanization, Transportation and Energy, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) China



In the past 20 years - after getting a diploma in Business Studies as well as a diploma in Chinese language studies - Ms. Retzer has been primarily based in Germany and China working for different transnational companies in large-scale infrastructure, airport, renewable energy and energy storage projects. Before joining GIZ, Sandra Retzer served as Managing Director Asia-Pacific of Yunicos AG, a German company specialized in the management of battery energy storage technologies and systems for a stable power supply from renewable sources. Currently, Sandra Retzer also serves as the Vice Chair of the Energy Working Group of the European Union Chamber of Commerce in China. Ms Retzer has a diploma in business from Fernuniversität Hagen.

Dr. Patrick Graichen, Executive Director, Agora Energiewende



Patrick Graichen is Director of Agora Energiewende since January 2014, after having worked as its Deputy Director in 2012-2013. From 2001 to 2012, he worked at the Federal Ministry for Environment: first in the area of international climate policy, then from 2004 to 2006 as Personal Assistant to the Secretary of State in the ministry, and from 2007 as Head of the Unit for Energy and Climate Change Policy. During this time, he was in charge of negotiating the design of the economic instruments of the Kyoto Protocol, the Integrated Energy and Climate Programme of the Federal Government (2007), the EU's Climate and Energy Package (2008), as well as the legislative procedures in the area of the energy law. He has studied economics and political science, earning a Ph.D. on the topic of municipal energy policy at the Interdisciplinary Institute for Environmental Economics, University of Heidelberg.

Meeting Venue

GIZ Mäanderbau Building
Friedrich-Ebert-Allee 36
53113 Bonn

Directions

By Metro (U-Bahn) from Bonn Central Station:

All trains heading for "Bad Godesberg/Bad Honnef" (Lines 16 and 66). Get off at station "Ollenhauerstraße".

From COP23 (from Point A to Point B, see map):

By car: 4min

By tube (red star on the map): 9min

Line 63, 1 stop, from Heussallee/Museumsmeile to Ollenhauerstraße

By walk: 14min

Walk straight down Heussallee (300m) and at the end turn left on Friedrich-Ebert-Allee. Walk down Friedrich-Ebert-Allee (700m) until you reach the GIZ premises on your right side.

Maps

