Scientific Recognition: Energy

Invited lectures

Ed Byers

• ‘Water Use and Water Availability Constraints to Decarbonized Electricity Systems’ at the European Geophysical Union General Assembly 2016, Vienna, Austria, April 2016.

Oliver Fricko

• ‘Linking Models for Integrated Assessment’ (with Manfred Strubegger) at the Iran-IIASA Scoping Workshop in the Areas of Energy, Greenhouse Gases and Air Pollution, Tehran, Iran, April 2016.
• ‘MESSAGE-GLOBIOM Results EMF30’ at the Meeting of the EMF 30: Short Lived Climate Forcers/Air Quality and Meeting of the EMF 33: Bio-Energy and Land Use, Stanford, USA, April 2016.
• ‘Understanding the origin of Paris Agreement emission uncertainties’ at the 9th Annual Meeting of the Integrated Assessment Modeling Consortium, Beijing, China, December 2016.

Matthew Gidden

• ‘Current Model Development and Data Management at IIASA’ at the Open Energy Modelling Workshop, Stockholm, Sweden, April 2016.

Daniel Huppmann

• ‘WP 4: Model integration and global perspectives’ at the Kick-Off Meeting of the Navigating the Roadmap for Clean, Secure and Efficient Energy Innovation (SET-Nav) Project, Vienna, Austria, April 2016.

Jessica Jewell

• ‘Ready for Nuclear? An Assessment of Capacities, Imperatives and Uncertainties for Nuclear Newcomers’ at the PLATENSO Workshop, Warsaw, Poland, April 2016.
• ‘Representation of existing policies & demand side heterogeneity (WP3): Energy subsidies and participated in the Advanced Model Development and Validation for Improved Analysis of Costs and Impacts of Mitigation Policies Meeting, Sevilla, Spain, April 2016.
• ‘Bridging techno-economic and socio-political approaches to studying future energy: an example with nuclear energy’, at Linköping University, Linköping, Sweden, October 2016.

Nils Johnson

Volker Krey

- ‘Model diagnostics and documentation (WP1): Model documentation: Overview of documentation review, Update of model documentation by December 2016, Migration to an alternative platform’ at the Advanced Model Development and Validation for Improved Analysis of Costs and Impacts of Mitigation Policies Meeting, Sevilla, Spain, April 2016.
- ‘Research on Co-Benefits and Adverse Side Effects of Mitigation’ at Implications of Paris Research and Workshop, College Park, Maryland, USA, May 2016.
- ‘How big is the gap’ (keynote) at 25th UN Economic Commission for Europe Committee on Sustainable Energy, Geneva, Switzerland, July 2016.
- ‘Sustainable development implications of the transformation pathways’ at ‘CD-LINKS Side event at the COP22: Ratcheting up NDCs: Consistent national roadmaps towards the global objective of 1.5°C and 2°C’, Marrakesh, Morocco, November 2016.

David McCollum

- ‘International Research Collaborations to Develop the Tools of Systems Analysis’ at Tel Aviv University, Tel Aviv, Israel, April 2016.
- ‘Sustainable energy scenarios for the 21st century: the role of systems analysis’ (remotely) for the Iran-I IASA Scoping Workshop in the Areas of Energy, Greenhouse Gases and Air Pollution, Tehran, Iran, April 2016.
- ‘Quantifying uncertainties influencing the long-term impacts of oil prices on energy markets and carbon emissions’ at the International Energy Workshop, Cork, Ireland, June 2016.

Jihoon Min

- ‘Energy and emissions for providing decent living standards to all’ at the Korean Scientists and Engineers Association in Austria Autumn Conference 2016, Budapest, Hungary, October 2016.

Shonali Pachauri

- ‘Energy Access and Climate Mitigation: Synergies and Tradeoffs at the Centre for Industrial Ecology’, Yale School of Forestry and Environmental Studies, November 2016.

Simon Parkinson

Narasimha Rao

- ‘The Climate of Poverty: Methods to (Properly) Assess the Development-Climate Conflict’ at the Vienna University of Economics and Business as part of its external seminar series, Vienna, Austria, March 2016.
- European Geophysical Union General Assembly 2016 Great Debate on ‘Is Global Economic Growth Compatible with a Habitable Climate’ (panelist), Vienna, Austria, April 2016.

Keywan Riahi

- ‘Energy Transformations for Limiting Climate Change’ for Graz Chapter of the Lionsclub, Graz, Austria, April 2016.
- ‘MESSAGE-GLOBIOM Results EMF30’ and participated in the Meeting of the EMF 30: Short Lived Climate Forcers/air Quality and Meeting of the EMF 33: Bio-Energy and Land Use, Stanford, USA, April 2016.
- ‘Technological and Social Transformations (new research, research recommendations, and key graphics)’ at 1.5 Degrees: Peak Emissions, Deep Decarbonization, and Accompanying Technological and Social Transformations Workshop, Stanford, USA, May 2016.
- “Forschung-Herausforderungen für den AR6 mit Fokus auf WG3 - „Community Szenarien” als Werkzeug für Synthese/Integration” at "Die österreichische Wissenschaft im IPCC AR6" held by Climate Change Austria and Austrian Academy of Sciences, Vienna, Austria, July 2016.
- ‘Interactions among the SDGs and NDCs - What has been learned about interaction effects between SDGs and Mitigation Policies?’ and ‘Coupling energy-models for better representation of cross-sectoral dynamics’ at the 2016 Energy Modeling Forum Summer Workshop on Climate Change Impacts and Integrated Assessment (CCI/IA) Workshop, Snowmass, Co., USA, July 2016.
- ‘RCP/SSP readiness for CMIP6’ and ‘Low SSP-based IAM scenarios for 1.5C targets (RCP1.9)’ at the General Assembly of the Coordinated Research in Earth Systems and Climate: Experiments, Knowledge, Dissemination and Outreach project, Rome, Italy, September 2016.
- ‘EU - India Collaboration for Implementation of NDCs’ (panelist), ‘Energizing Agri-food Value Chain through Clean Energy-Investing in Entrepreneurship and Sustainable Solutions’ (panelist) and ‘Plenary –Climate-Water-Energy-Food Nexus’ (panelist), at the World Sustainable Development Summit, New Delhi, India, October 2016.
- ‘CD-LINKS Side event at the COP22: Ratcheting up NDCs: Consistent national roadmaps towards the global objective of 1.5°C and 2°C’ (chair), Marrakesh, Morocco, November 2016.
- ‘Parallel Session: From climate policy to broader sustainable development analysis: New IAM analyses on the climate policy – sustainable development nexus and sustainable development strategies’ (chair), ‘Special Session on CD-LINKS’ (co-chair), ‘Report
from the scenarios scientific working group’ (presentation with others) at the 9th Annual Meeting of the Integrated Assessment Modeling Consortium, Beijing, China, December 2016.

Joeri Rogelj

- ‘Understanding Carbon Budgets’, University of Melbourne, Melbourne, Australia, April 2016.
- ‘Pathways for Achieving the Paris Agreement’s Articles 2 and 4 Goals’ (poster presentation), as well as participation in discussion panel at SBSTA-IPCC Special Event on Assessments of the IPCC and the Global Stock take, Bonn, Germany, May 2016.
- ‘Differences between Pathways for 1.5°C and 2°C’ at Carbon Transparency Initiative Stakeholder Meeting, Brussels, Belgium, May 2016.
- ‘Understanding Carbon Budgets’ at seminar at the Center for International Climate and Environmental Research, Oslo, Norway, June 2016.
- ‘Disentangling energy-system interactions between mitigation of CO₂ and short-lived climate forcers’ at seminar at Center for International Climate and Environmental Research, Oslo, Norway, June 2016.
- ‘What are the emission implications of keeping temperature below 1.5°C’ at seminar at the Norwegian Environment Agency (Miljødirektoratet), Oslo, Norway, June 2016.
- ‘Current approaches for multi-model knowledge integration from Integrated Assessment Models (IAM)’ at COMPLEX project workshop at IIASA, Laxenburg, Austria, June 2016.
- Keynote presentation at the launch of the Priestley International Centre for Climate at the Priestley International Centre for Climate of the University of Leeds, Leeds, UK, June 2016.
- ‘Mitigation pathways for 1.5 degrees’ (panelist), and ‘Mitigation Pathways’ (chair) at International Conference on 1.5 Degrees, Keble College, Oxford University, Oxford, UK, September 2016.
- ‘Bleibt das Pariser Klimaabkommen eine Illusion?’ at Raiffeisen Klimaschutz Initiative, Vienna, Austria, September 2016.
- ‘Quantifying carbon budgets for global deep transformation pathways’ at the Ninth Annual Conference of the Integrated Assessment Modelling Consortium (IAMC), Beijing, China, December 2016.
- ‘Finding pathways towards 1.5°C’ at the Ninth Annual Conference of the Integrated Assessment Modelling Consortium, Beijing, China, December 2016.

Manfred Strubegger†

- ‘Linking Models for Integrated Assessment’ (with Oliver Fricko) at the Iran-IIASA Scoping Workshop in the Areas of Energy, Greenhouse Gases and Air Pollution, Tehran, Iran, April 2016.

Bing Zhu


Organized events

Johanna Zilliacus

- ‘CD-LINKS Side event at the COP22: Ratcheting up NDCs: Consistent national roadmaps towards the global objective of 1.5°C and 2°C’, Marrakesh, Morocco, November 2016.
Awards

Daniel Huppmann
- Recipient of the 2016 Young Researcher Prize (with Sauleh Siddiqui), awarded by the INFORMS Section “Energy, Natural Resources, and Environment.”

Nebojsa Nakicenovic

Joeri Rogelj
- Recipient of the inaugural “Piers Sellers Prize for World Leading Contribution to Solution-Focused Climate Research”, awarded by the Priestley International Centre for Climate (University of Leeds).

Advisory Boards and Steering Committees

Jessica Jewell
- Advisory Board Member, Premises for bioenergy with carbon capture and storage in the global response to climate change, Swedish Energy Agency Funded project (2016-2018).

Nils Johnson

Volker Krey
- Member of the IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis for the 5th Assessment Report cycle.
- Member of the Steering Committee of the Energy Modeling Forum 27 Exercise at Stanford University.
- Member of the Steering Committee of the Energy Modeling Forum 30 Exercise at Stanford University.

David McCollum
- Member of the Steering Committee of the International Transport Energy Modeling Consortium.

Nebojsa Nakicenovic
- Member of the Scientific Advisory Panel on Macroeconomic Effects and Distributional Issues of the Energy Transition, German Federal Ministry for Economic Affairs and Energy (2015-present).
- Member of the United Nations Secretary General Special Advisory 10-Member Group to support the Technology Facilitation Mechanism (2016-present).
- Executive Director of The World in 2050 (TWI2050) (2015-present)
- Member of the Scientific Advisory Board of the Potsdam Institute from Climate Impact Research (PIK) (2015-present)
- Member of the Innovation for Cool Earth Forum (ICEF) Committee, Tokyo, Japan (2014-present).
- Member of OMV (Austrian oil company) Advisory Group on Sustainability (2011-present).
- Member of the UN Secretary General’s High-Level Technical Group on Sustainable Energy for All, UN, New York, USA (2011-present).
- Member of the International Advisory Board of the Helmholtz Programme on Technology, Berlin, Germany (2010-present).
- Board Member, Mitigation program of the Global Network for Climate Solutions, Earth Institute at Columbia University, New York, USA (2010-present).
- Member, Advisory Council of the German Government on Global Change (WBGU), Berlin, Germany (2008-present).
- Member of the Global Energy International Prize Committee, Russian Research Center ‘Kurchatov Institute’, Moscow, Russia (2008-present).

Arnulf Grubler
- Member, Scientific Advisory Board UK Energy Research Centre
Shonali Pachauri
- Scientific Advisory Panel, Climate and Clean Air Coalition (2016-present).

Keywan Riahi
- Member of the GGKP Sustainable Infrastructure Research Committee of the Global Green Growth Institute, the Organisation for Economic Cooperation and Development (OECD), the UN Environment Programme, and the World Bank (2016-present).
- Advisory Board, Vulnerability, Impacts, Adaptation, and Climate Services for Coupled Model Intercomparison Project-6 (2015-present).
- Coordination Board, Modelling and Informing Low Emission Strategies EU Funded project (2014-present).
- Committee Member, International Committee on New Integrated Climate Change Assessment Scenarios (2011-present).
- Member of the GGKP Sustainable Infrastructure Research Committee of the Global Green Growth Institute, the Organisation for Economic Cooperation and Development, the UN Environment Programme, and the World Bank (2016-present).

Joeri Rogelj
- Member of the Scientific Steering Committee, International Conference on 1.5 Degrees: Meeting the challenges of the Paris Agreement University of Oxford, September 2016.

Bing Zhu
- Member of China’s Inter-Ministerial Panel on Circular Economy.
- Member and Secretary for IIASA Affairs, Advisory Panel of National Natural Sciences Foundation of China on Cooperation with International Organizations.
- Member, Technical Committee of Optimal Control, International Federation of Automatic Control.
- Vice Chair, Circular Economy Committee, Chinese Ecological Economics Society.

Editorships

Jessica Jewell
- Editorial Board Member, Energy Research and Social Science (2015-present).
- Elsevier Energy Forum Member (2016-present).

Volker Krey
- Associate Deputy Editor of Climatic Change (2010-present).

Marek Makowski
- Member editorial board of Polish journal "Telekomunikacja i Techniki Informacyjne" (Telecommunication and Information Technology).

David McCollum
- Guest coeditor of the Special Issue on Global Transport Projections for Integrated Assessment in Transportation Research Part D: Transport and Environment.

Nebojsa Nakicenovic
- Guest Editor, Environmental Research Letters (2015-present).
- Editorial Board, Ecosystem Health and Sustainability (2014-present).
- Advisory Board Member, Technological Forecasting and Social Change (2010-present).

• Editorial Board Member, *Current Opinion in Environmental Sustainability* (2009-present).
• Advisory Board Member, *Climate Policy* (2000-present).
• Advisory Board Member, *International Journal on Climate Policy* (2000-present).
• Editorial Board Member, *Environmental Innovation and Societal Transitions*, Elsevier (2011-present).

Shonali Pachauri

Keywan Riahi
• Associate Editor, *Energy Strategy Reviews* (2015-present).
• Coeditor, Special Issue on Shared Socioeconomic Pathways (SSPs): Quantification of the New SSPs for Climate Change Research, *Global Environmental Change* (2014-2016).
• Coeditor, Special Section on the AMPERE intermodel comparison on the economics of climate stabilization, *Technological Forecasting and Social Change* (2014-2015).

Joeri Rogelj
• Editorial Board Member, *Environmental Research Letters* (2016-present).

Bing Zhu
• Member of Editorial Board, *Technology in Society*.
• Member of Editorial Board, *Chemical Industry* (Chinese Journal).
• Member of Editorial Board, *Coal Processing & Comprehensive Utilization* (Chinese Journal).