

Scientific Recognition: Energy Program

Advisory Boards and Steering Committees

Jessica Jewell

- Chair, Permanent Committee on Diversity Management and Building a Positive Work Environment at IIASA

Peter Kolp

- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group III, Contributing Author, Chapter 5 (2013-present)
- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group III, Contributing Author, Chapter 6 (2013-present)

Volker Krey

- Member of the IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) for the 5th Assessment Report cycle (2010 – present)
- Member of the Steering Committee of the Energy Modeling Forum (EMF) 27 Exercise at Stanford University (2010 – present)
- Member of the Steering Committee of the Energy Modeling Forum (EMF) 30 Exercise at Stanford University (2013 – present)
- Co-chair of the Scientific Working Group on “Data Protocols and Management” of the Integrated Assessment Modeling Consortium (2010 – present)

David McCollum

- Member, Permanent Committee on Diversity Management and Building a Positive Work Environment at IIASA
- Lead organizer, ADVANCE Expert Workshop: Enhancing the State of Transport Modeling in IAMs, 2013
- Co-organizer, Integrated Assessment Modeling Consortium Annual Meeting 2013

Nebojsa Nakicenovic

- 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 United Nations Secretary-General’s High-Level Technical Group on Sustainable Energy for All, United Nations, New York, USA (2011– present)
- Member of the Steering Committee, Renewable Energy Policy Network for the 21st Century (REN21), Paris, France (2010– 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 (GNCS), Earth Institute at Columbia University, New York, USA (2010–present)
- Member Committee on Scientific Planning and Review, International Council for Science (ICSU), Paris, France (2009– 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)
- Member of the Integrated Assessment Modeling Consortium (IAMC), (2007– present)
- Member of Organizing Committee of International Energy Economics Conferences (IEWT), Vienna University of Technology, Vienna, Austria (2003– present)
- Expert for Energy Economics of WEC Austrian National Committee, Vienna, Austria (2003– present)

Shonali Pachauri

- Panel Member for the SH3–Environment, space and population in the Starting Grant 2013 evaluation for the European Research Council.

Narasimha Rao

- Member, Permanent Committee on Diversity Management and Building a Positive Work Environment at IIASA

Keywan Riahi

- Scientific Steering Committee Member, Integrated Assessment Modeling Consortium (IAMC) (2008-present)
- Scientific Steering Group Member, Energy Modeling Forum Study 27, Stanford University (2011-present)
- Scientific Steering Group Member, AMPERE, FP7-Research Project, European Commission (2009-present)
- Scientific Steering Group Member, LIMITS, FP7-Research Project, European Commission (2009-present)
- Scientific Steering Group Member, ADVANCE, FP7-Research Project, European Commission (2009-present)

- Member of the International Committee On New Integrated Climate Change Assessment Scenarios (ICONICS) (2011-present)
- Co-chair of the ICONICS Working Group on Drivers and Scenarios for Shared Socioeconomic Pathways (SSPs) (2011-present)
- Member of the Organizational Committee of the Austrian Panel on Climate Change Assessment Report (APCC) (2011-present)
- Scientific Steering Committee Member, IGAC/SPARC Chemistry-Climate Model Initiative (CCMI) (2012-present)
- Member of the Scientific Subgroups on Data protocols and Scenario Storylines, Integrated Assessment Modeling Consortium (IAMC)

Joeri Rogelj

- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group I, Contributing Author, Summary for Policy Makers (2011-2013)
- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group I, Contributing Author, Technical Summary (2011-2013)
- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group I, Contributing Author, Chapter 10 (2011-2013)
- Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, Working Group I, Contributing Author, Chapter 12 (2011-2013)

Bing Zhu

- Member, Technical Committee of Optimal Control, International Federation of Automatic Control (IFAC)
- Vice Chair, Chemical Techno-Economics Committee, Chinese Technology Economics Society
- Member, Steering Committee, Chinese Society of Technology Economics
- Vice Chair, Circula Economy Committee, Chinese Ecological Economics Society
- Member, Industrial Ecological Economics and Technology Committee, Chinese Society of Ecological Economics
- Member, Economics Committee, Chinese Petroleum Society

Editorships

Volker Krey

- Associate Deputy Editor of *Climatic Change* (2010 – present)
- Guest co-Editor of the Special Issue on Energy Modeling Forum 27 in *Climatic Change* (2012 – present)

Nebojsa Nakicenovic

- Editorial Board, *The Scientific World Journal* (2012– present)
- Editorial Board Member, *Environmental Innovation and Societal Transitions* (2012– 2013)
- Editorial Board, *Energy Strategy Reviews* (2011– present)
- Advisory Board Member, *International Journal on Climate Policy* (2000– present)
- Advisory Board Member, *Technological Forecasting and Social Change* (2010– present)
- Editorial Board Member, *Current Opinion in Environmental Sustainability* (2009– present)
- Editorial Manager, *International Journal of the Institution of Civil Engineers* (2008– present)
- Editorial Board Member, *International Journal of Energy Sector Management* (2006– present)
- Subject Editor, Scenarios of IGBP AIMES (Analysis, Integration and Modelling of the Earth System) (2006–present)
- Editorial Board Member, *Climate Policy* (2000– present)
- Board of *Environmental Innovation and Societal Transitions*, Elsevier (2011– 2014)

Shonali Pachauri

- Editorial board, *Economics of Energy & Environmental Policy* (2011-present)
- Guest co-editor of the Special Issue on Clean Cooking Fuels and Technologies in Developing Economies in *Energy Policy*.

Keywan Riahi

- Guest co-Editor of a Special Issue in *Technological Forecasting and Social Change* (2012-present)
- Guest co-Editor of a Special Issue in *Global Environmental Change* (2012-present)
- Guest co-Editor of a Special Issue in *Climate Change Economics* (2012-present)
- Guest co-Editor of a Special Issue in *Climatic Change* (2002-present)

Bing Zhu

- Member of Editorial Board, *Technology in Society*
- Member of Editorial Board, *Chemical Industry* (Chinese Journal)
- Member of Editorial Board, *Energy Conservation and Emission Reduction in Petroleum and Petrochemical Industry* (Chinese Journal)

Lectures & Presentations

Colin Cameron

- Participated in 'Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria 19 November 2013.

Oliver Fricko

- Gave a presentation on 'Overview of the GLOBIOM enhancement module' at IIASA, Laxenburg, Austria on March 14, 2013.
- Gave a presentation on 'The Water Implementation v1.0' at IIASA, Laxenburg, Austria on November 6, 2013.
- Participated in the 'LIMITS modelers meeting' at IIASA, Laxenburg, Austria on September 28, 2013.
- Participated in the 'LIMITS 4th Meeting', IIASA, Laxenburg, Austria, September 26-27, 2013.

Jessica Jewell

- Participated in and gave a presentation on 'Evaluating the Energy Security of Major Economies under Climate Policies' at the LIMITS Internal Partners Meeting and the Second Stakeholder Workshop, Amsterdam, Netherlands, 12-14 February 2013.
- Participated in the Workshop about Socio-economic impacts of Renewable energy sources in the Middle East and North Africa, IIASA, Laxenburg, Austria, 22-23 May 2013.
- Participated in the Vienna Energy Forum (VEF) 2013, co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.
- Gave a presentation on 'Energy Security of China, India, the EU and the US under Long-Term Scenarios: Results from Six IAMS' at the 2013 International Energy Workshop (IEW) hosted by the International Energy Agency, Paris, France, 19-21 June 2013.
- Participated in the Wegener Center Workshop on Sustainable Solar Electricity Supply: Options and Risks, Wegener Center for Climate and Global Change, University of Graz, Graz, Austria, 24-25 June 2013.
- Participated in the Task Force on Energy and Security Regional Expert Round Table: The Caucasus, Caspian and Central Asia, International Peace Institute, Vienna, Austria, 28 June 2013.
- Gave a presentation on 'the Activities of the Energy (ENE) Program and how it relates to nuclear energy' at the UN Vienna Nuclear Young Generation, Vienna, Austria, 22 October 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria 19 November 2013.

Nils Johnson

- Participated in the ADVANCE Kickoff Meeting, Potsdam, Germany, 18-20 February 2013.
- Participated in a working group meeting of the EU-ADVANCE Modeling Team, Deutsches Zentrum für Luft- und Raumfahrt (DLR-German Aerospace Center), Institute of Technical Thermodynamics, Stuttgart, Germany, 19 April 2013.
- Participated in the 5th AMPERE Meeting, Seville, Spain, 30-31 May 2013.
- Chaired YSSP Late Summer Workshop session on 'Energy and Climate Change: Bioenergy', IIASA, Laxenburg, Austria, 26 August 2013.
- Participated in the 'LIMITS modelers meeting' at IIASA, Laxenburg, Austria on September 28, 2013.
- Gave a presentation on 'Envisioning CO2 Distribution Networks for CCS in the United States: Modeling CO2 Pipeline Deployment at a Regional Scale' at the 1st International BeWhere Workshop 2013, IIASA, Laxenburg, Austria, 8-9 October 2013.
- Gave a presentation on 'Implications of near-term climate policy for limiting warming to 2o: a synthesis of the AMPERE, LIMITS, and ROSE projects' at the Integrated Assessment Modeling Consortium (IAMC) Annual Meeting, National Institute of Environmental Studies, Tsukuba, Japan, 28 October-1 November 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria 19 November 2013.
- Participated in Joint ADVANCE-COMPLEX Meeting, Laxenburg, Austria, 20 November 2013.
- Participated in ADVANCE Meeting, IIASA, Laxenburg, 20-22 November 2013.

Peter Kolp

- Gave lectures for the module on Energiemodelle und Energiepolitische Analysen, Vienna University of Technology (TU Wien), Vienna, Austria, 8, 15 and 22 April 2013.
- Participated in the Vienna Energy Forum (VEF 2013), co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.
- Participated in the IAEA Technical Meeting to Review the IAEA's Methodologies and Analytical Tools for Sustainable Energy Development, IAEA Headquarters, Vienna, Austria, 4-7 June 2013.

Volker Krey

- Participated in the ADVANCE Kickoff Meeting, Potsdam, Germany, 18-20 February 2013.
- Gave a presentation about transformation pathways at German IPCC Fifth Assessment Report (AR5) meeting on the WGIII Working Group III (WGIII) Second Order Draft (SOD), German IPCC Coordination Office, Bonn, Germany, 26 February 2013.

- Gave a presentation on 'Bioenergy with CCS: How and Where?' at the Global Carbon Project (GCP) and IIASA Workshop on Negative Emissions and the Carbon Cycle, IIASA, Laxenburg, Austria, 15-17 April 2013.
- Gave lectures for module on Energiemodelle und Energiepolitische Analysen, Vienna University of Technology (TU Wien), Vienna, Austria, 29 April, 6 May and 3 June 2013.
- Participated in the IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) Meeting, Jeju, Republic of Korea, 14-16 May 2013.
- Gave presentations at the AMPERE Validation Workshop and 5th AMPERE Meeting, Seville, Spain, 26-31 May 2013.
- Gave a presentation at YSSP 20313 Introductory Workshop on the ENE Program, entitled 'What we do in the Energy Program' IIASA, 7 June 2013.
- Participated in the Fourth Lead Author Meeting (LAM 4) and Fourth Scenarios Meeting (SIE4) for the Working Group III contribution to the IPCC Fifth Assessment Report (IPCC WG III AR5), Addis Ababa, Ethiopia, 29 June-5 July 2013.
- Gave a presentation on 'Energy Program' to delegation from the Russian Petroleum Business Institute, IIASA, Laxenburg, Austria, 9 July 2013.
- Gave a presentation at YSSP-led Discussion Seminar on 'the Future of Energy: Constraints and Possibilities', IIASA, Laxenburg, Austria, 31 July 2013.
- Gave a presentation on 'Getting from Here to There – Energy Technology Transformation Pathways in the EMF27 Scenarios' for IIASA Seminar at IIASA, Laxenburg, Austria, 12 September 2013
- Gave a presentation on 'The Importance of Technologies for a Transformation toward a Low-Carbon Future – Some Insights based on a Recent Model Comparison Study' at OMV Scenario Workshop, OMV Head Office, Vienna, Austria, 23 September 2013.
- Participated in the 'LIMITS modelers meeting' at IIASA, Laxenburg, Austria, 28 September 2013.
- Gave a lecture on 'Getting from Here to there – Energy Technology Transformation Pathways in the EMF27 Scenarios' at the workshop entitled "Extreme Events in Human and Environmental System", co-organized by IIASA (ASA Program) and Finnish Geography Graduate School, IIASA, Laxenburg, Austria, 7-8 October 2013.
- Gave a presentation on 'IAMC Scientific Working Group on Data Protocols and Management' and co-chaired a session on 'Modeling Energy Demand in Integrated Assessment' at the Integrated Assessment Modeling Consortium (IAMC) Annual Meeting, National Institute of Environmental Studies, Tsukuba, Japan, 28 October-1 November 2013.
- Participated as a member of Doctoral Examination Board of Mr. Jerome Dangerman at Radboud University Nijmegen, Nijmegen, Netherlands, 5 November 2013.
- Gave a presentation entitled 'The Challenge of Transforming the Global Energy System: Lessons Learned from Technology Diffusion in the Past for Future Scenarios' in National Research Foundation of Korea (NRF), Green Technology Center-Korea (GTC) and IIASA Workshop, IIASA, Laxenburg, Austria, 13 November 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria 19 November 2013.
- Participated and gave a presentation on 'Model Documentation, Dissemination, Validation and Transparency' in Joint ADVANCE-COMPLEX Meeting, Laxenburg, Austria, 20 November 2013.
- Participated in, chaired some sessions and gave presentations of ADVANCE Meeting, IIASA, Laxenburg, 20-22 November 2013.
- Participated in and gave a presentation on 'The Role of Low-Carbon Technologies in Climate Mitigation' at 'ICA-RUS/CCRP-PJ2 International Workshop 2013: Now and Future of Global Climate Risk Management', Tokyo, Japan, 4-6 December 2013.
- Chaired a session at the 'Negative Emissions and the Carbon Cycle' Workshop, Tokyo, Japan, 6-7 December 2013.

David McCollum

- Gave a radio interview to the Reality Check program on Vienna's Radio FM4 on 15 January 2013, which was aired on 30 January 2013.
- Participated in the Vienna R20 Conference 'Implementing the Sustainable Energy Future', Vienna, Austria, 31 January-1 February 2013.
- Participated in and gave a presentation on 'Investments, Offsets, and Incentives: an Analysis of the 2°C Target and What it Takes to Achieve it' at the LIMITS Internal Partners Meeting and the Second Stakeholder Workshop, Amsterdam, Netherlands, 12-14 February 2013.
- Participated in the ADVANCE Kickoff Meeting, Potsdam, Germany, 18-20 February 2013.
- Gave a presentation on 'Bioenergy with CCS: How and Where?' at the Global Carbon Project (GCP) and IIASA Workshop on Negative Emissions and the Carbon Cycle, IIASA, Laxenburg, Austria, 15-17 April 2013.
- Gave a presentation on 'Toward Energy System Transformation and Long-Term Climate Stabilization: Key Uncertainties and their Implications' for IIASA Seminar at IIASA Laxenburg, Austria, 8 May 2013.
- Gave a presentation on 'Analytical Tools for Energy Policy Making and Planning' at the IIASA side event "Multiple Benefits of the Global Energy Transformation: Recent Research Findings" in the Vienna Energy Forum (VEF) 2013, co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.

- Gave a presentation on 'Transport Electrification: a Key Element for Energy System Transformation and Climate Stabilization' at the 3rd International Conference on Energy Process Engineering: Transition to Renewable Energy Systems, Frankfurt am Main, Germany, 3-6 June 2013.
- Gave a presentation on 'Investments, Offsets, and Incentives: an Analysis of the 2°C target and What it Takes to Achieve it' at the 2013 International Energy Workshop (IEW) hosted by the International Energy Agency, Paris, France, 19-21 June 2013.
- Gave a presentation on 'Energy Pathways for Sustainable Development: Insights from the Global Energy Assessment' at the Howard H. Baker Jr. Center for Public Policy, University of Tennessee, Knoxville, TN, USA, 17 July 2013.
- Participated in the European Forum Alpbach, Alpbach, Austria, 26-27 August 2013
- Gave a presentation on 'Multi-Objective Analysis of Energy Security, Air Pollution, and Climate Challenges' at OMV Scenario Workshop, OMV Head Office, Vienna, Austria, 23 September 2013.
- Gave a presentation on 'Climate Policies Can Help Resolve Energy Security and Air Pollution Challenges' at the Integrated Assessment Modeling Consortium (IAMC) Annual Meeting, National Institute of Environmental Studies, Tsukuba, Japan, 28 October-1 November 2013.
- Participated in the annual symposium and gave a presentation, 2013 DISCCRS VIII Symposium Scholars, Dissertations Initiative for the Advancement of Climate Change Research, Colorado Springs, CO, USA, 12-19 October 2013.
- Participated in and chaired first session of 'Enhancing the State of Transport Modeling in IAMs' Workshop, IIASA, Laxenburg, Austria 19 November 2013.
- Participated in ADVANCE Meeting, IIASA, Laxenburg, 20-22 November 2013.
- Participated in 'Living with Environmental Change: Integrated Assessment Workshop', London, UK, 3 December 2013.

Nebojsa Nakicenovic

January

- Gave a welcome speech to Anne Glover, the Chief Scientific Adviser to the President of the European Commission, IIASA, Laxenburg, Austria, 15 January 2013.
- Participated as one of the Conference Co-Chair Members of the 8th Internationale Energiewirtschaftstagung an der TU Wien 'Erneuerbare Energien: Überforderte Energiemärkte?', Vienna University of Technology, Vienna, Austria, 24-25 January 2013.
- Gave a keynote speech on 'Decarbonization Strategies for Sustainable Energy Systems' for the panel on 'Emerging Countries Showing the Path: Successful Strategies for Regions' at the Vienna R20 Conference, 31 January-1 February 2013.

February

- Participated in the Water Futures and Solutions: World Water Scenarios Initiative Launch Meeting, IIASA, Laxenburg, 4-5 February 2013.
- Gave a presentation on 'Challenges: Earth League' at London Earth League Meeting, London, England, 7 February 2013
- Gave a presentation on 'IIASA's Role in Addressing Major Global Challenges' at the Retreat of the UN EU Heads of Mission, IIASA, Laxenburg, Austria, 8 February 2013.
- Gave a presentation on the 'Completion of the APCC Report' as one of the Co-Chairs at the internal working meeting of Convening Lead Authors of the Austrian Panel on Climate Change Assessment (APCC) Assessment Report, Wiener Neustadt, Austria, 10-11 February 2013.
- Participated as a Chairperson of the session on 'Perspektiven für neue Technologien zur Integration Erneuerbarer Energieträger' at Internationale Energiewirtschaftstagung (IEWT), Vienna, Austria, 15 February 2013.
- Participated in the Climate Change Center Austria (CCCA) Board Meeting, Vienna, Austria, 19 February 2013.
- Gave a presentation on 'Global Energy Assessment: Toward a Sustainable Future' at the Global Energy Assessment Workshop, Tokyo, Japan, 26 February 2013.
- Gave a presentation on 'Transforming Energy Systems toward Sustainable Climate Change' at the FY2012 ALPS International Symposium Moving toward Sustainable Climate Change Actions, Research Institute of Innovative Technology for the Earth, Tokyo, Japan, 27 February 2013.

March

- Participated in the Workshop on raising European Commission awareness for systemic risks and global resilience and gave a presentation on the 'Global Energy Assessment', European Commission, Bureau of European Policy Advisers (BEPA), Brussels, Belgium, 5 March 2013.
- Participated as a Committee Member in the scenario meeting for the Committee on Scientific Planning and Review (CSPR) Workshop, International Council for Science (ICSU), Paris, France, 7-8 March 2013.
- Gave a presentation on the Global Energy Assessment to the CSIRO Delegation, IIASA, Laxenburg, Austria, 12 March 2013.
- Gave a presentation on 'Thought on scenario uncertainties: IPCC experience' at the Workshop on methods to address uncertainty in forecasting future values of key social, economic and resource variables organized by the center for Climate and Energy Decision Making, Washington, DC, USA, 18-19 March 2013.
- Gave a presentation on 'Transforming Energy Systems: Energiewende as a Role Model?' at the DIE-SDSN-Event: New pathways towards global sustainability, Landesvertretung Baden-Württemberg, Germany, 19 March 2013.

- Gave a presentation on 'Technological Transformations and Development' at the Academia Stakeholders Consultation Day, Bali, Indonesia, 25 March 2013.

April

- Gave a keynote presentation and lecture on 'Transformation des Energiesystems in Richtung Effizienz und Dekarbonisierung' as part of the Austrian Academy of Science's Kerner von Marilaun Lectures, Vienna, Austria, 3-4 April 2013.
- Participated in the 14th Klimatag, Climate Change Centre Austria (CCCA) Board Meeting, Vienna, Austria, 4-5 April 2013.
- Gave a presentation on 'Global Energy Assessment and Sustainable Energy For All – UN Initiative' and participated in the panel discussion on 'How ICSU's work on sustainable energy might contribute to the existing initiatives' at the Global-Regional Integration Workshop on Sustainable Energy: Developing Regional Capacity for Sustainable Energy Transformation, Mexican Academy of Sciences, Mexico City, Mexico, 8-9 April 2013.
- Participated in the Global Carbon Project (GCP) and International Institute for Applied Systems Analysis (IIASA) Workshop on Negative Emissions and the Carbon Cycle, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 15-17 April 2013.
- Participated as a Council member in the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 17-19 April 2012.
- Gave a presentation on 'Shale Gas: A Possible Bridget to Sustainable Futures' at Special IRC Meeting to discuss proposals submitted to IIASA's internal call for cross-cutting research, IIASA, Laxenburg, Austria, 25 April 2013.
- Gave a presentation on 'Global Energy Assessment: Toward a Sustainable Future' to the Egyptian Delegation, IIASA, Laxenburg, Austria, 26 April 2013.

May

- Participated in the Second-Level Review of GCEP Proposals on Net Negative Carbon Emissions in Energy Supply, Stanford University, Stanford, CA, USA 2 May 2013.
- Gave a presentation 'Introduction and Roadmap of the Event' at the Global Energy Assessment West Coast Launch Event at Stanford University, Stanford, CA, USA, 21-22 May 2013.
- Gave a presentation on 'Global Energy Transformations and Their Relevance to the Post 2015 Development Agenda' at the IIASA side event on Multiple Benefits of the Global Energy Transformation: Recent Research Findings and served as panelist for Plenary Session I: Framework for Action High impact Opportunity in the Vienna Energy Forum (VEF 2013), co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.
- Gave a presentation on 'Multiple Benefits of Sustainable Investments for Transforming Energy Systems' at the annual Fuzzy Day Conference on Sustainable Investing: Hype or Opportunity? held by the Society of Quantitative Analysts (SQA), New York, NY, USA, 31 May 2013.

June

- Gave a presentation on 'IIASA Conference 2012: Update for Council' to the IIASA Council, IIASA, Laxenburg, Austria, 3-4 June 2013.
- Gave a presentation on 'Transformational pathways toward mitigating anthropogenic climate change and the future of the carbon cycle: From decarbonization to "negative" emissions' at the 9th International Carbon Dioxide Conference (ICDC9), Beijing, China, 6-8 June 2013.
- Working meeting with Helga Nowotny, WWTF, Lauritz B. Holm-Nielsen, Dean, University of Aarhus and Bertil Andersson, President, Nanyang Technological University, Vienna, Austria, 10 June 2013.
- Gave a university-wide seminar on the 'Global Energy Assessment' at the University of São Paulo, São Paulo, Brazil, 12 June 2013.
- Gave an opening remark at the IEA-IIASA BECCS Experts Workshop Bio-energy and CCS (BECCS): Options for Brazil, University of São Paulo, São Paulo, Brazil, 13-14 June 2013.

July

- Participated in the Fourth Lead Author Meeting (LAM 4) for the IPCC WG III AR5 (Working Group III contribution to the IPCC Fifth Assessment Report), Addis Ababa, Ethiopia, 1-5 July 2013.
- Participated in Cocktail and Dinner celebrating 50 years of EIB financing in Africa, the Caribbean and Pacific, and 10 years of the ACP Investment Facility, European Investment Bank, Luxembourg City, Luxembourg, 9 July 2013.
- Participated as a member of the Advisory Board in a meeting of the Advisory Board of the Helmholtz Programme Technology, Innovation and Society, Karlsruhe, Germany, 12 July 2013.
- Gave a presentation on 'Mitigating anthropogenic climate change and the future of the carbon cycle in "overshoot" worlds?' at the Climate Change Impacts and Integrated Assessment (CCI/IA) Workshop, Snowmass, CO, USA, 29 July-2 August 2013.

August

- Participated in follow-up meeting of the 22 July OMV visit to IIASA, OMV Headoffice, Vienna, Austria, 5 August 2013.
- Gave a presentation at 14th Biennial Conference on Transportation and Energy in session on "What do Energy and GHG Scenarios Tell Us?", Pacific Grove, California, USA, 7 August 2013.

- Participated in a subgroup meeting of the Austrian Panel on Climate Change Assessment (APCC) Report, University of Natural Resources and Life Sciences, Vienna, Austria, 20 August 2013.
- Participated in an internal working retreat of the Global Facilitation Team (GFT) of the Sustainable Energy for All, Vienna, Austria, 21 August 2013.
- Participated as a member of the Advisory Board at the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 22-23 August 2013.

September

- Gave a keynote presentation on 'Global future energy perspectives with focus on sustainable energy for green economic growth' at the DTU International Energy Conference: Sustainable Energy for Green Economic Growth, Technical University of Denmark, Lyngby, Denmark, 9-10 September 2013.
- Participated in a retreat with Convening Lead Authors of the Austrian Panel on Climate Change (APCC) Assessment Report, Wiener Neustadt, Austria, 16-18 September 2013.
- Gave a presentation on 'GEA Pathways' and 'GEA Energy Assessment: Overview' at the OMV scenario workshop, OMV Headoffice, Vienna, Austria, 23 September 2013.
- Participated as a Committee Member in the scenario meeting for the Committee on Scientific Planning and Review (CSPR) Workshop, International Council for Science (ICSU), Paris, France, 25-27 September 2013.
- Participated as a member of the Advisory Board at the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 19-20 September 2013.
- Gave a presentation on 'Toward Sustainable Futures: Multiple Climate benefits of Transforming Energy Systems' at the Green Bridge Conference, Astana, Kazakhstan, 30 September-1 October 2013.

October

- Gave a presentation on 'Austrian Panel on Climate Change' at IPCC Klimaänderung 2013 Wissenschaftliche Grundlagen: Einblicke in den Working Group I Bericht IPCC Climate Change 2013: The Physical Science Basis, Vienna University of Technology, Vienna, Austria, 4 October 2013.
- Gave a presentation on 'Energy Perspectives and the Environment', Masters of Science Program on Renewable Energy in Central and European Europe, Vienna, Austria, 7 October 2013.
- Participated in discussions on 'National deep decarbonization pathways consistent with the 2°C target: reconciling the top-down and bottom-up approaches' and 'Deep decarbonization pathways parameters: working within a shared analytical framework' at the Inception Meeting of SDSN's Deep De-Carbonization Pathways project, Seoul, Korea, 12-13 October 2013.
- Participated as a discussion leader in session on 'What does it take. Fusion: Betting on a different Future' at 22nd World Energy Congress, Daegu, Korea, 14 October 2013.
- Gave presentation on 'Externe Expertisen Urban Design' as a member of the Advisory Board at the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 17-18 October 2013.
- Gave a presentation on 'Theory and Practice: The Need for New Approaches' at the Theory and Knowledge Systems for sustainability Science Workshop co-sponsored by the Santa Fe Institute (SFI) and IIASA, Santa Fe, USA, 22-24 October 2013.
- Participated as a member in meeting of OMV Advisory Board for Resourcefulness, OMV Headquarter, Vienna, Austria, 25 October 2013.
- Gave a presentation on the 'Energy Revolution as a Challenge for Science and Technology', Austrian Science Day, Vienna, Austria, 26 October 2013.

November

- Gave a presentation on 'Future Energy Challenges and Opportunities' at the Holistic Approaches to Global Challenges Workshop, IIASA/Norwegian Workshop), Bergen, Norway, 6 November 2013.
- Participated in a working lunch with Ambassador Nils Daag of Sweden, Vienna, Austria, 7 November, 2013.
- Gave a presentation on the 'IIASA Conference 2012' to the IIASA Council, IIASA, Laxenburg, Austria, 11-12 November 2013.
- Gave a presentation in Herbstveranstaltung 2013 on 'Die Rolle von Öl & Gas in Zeiten der Energiewende' held by OeGEW and DGMK, Vienna, Austria 14-15 November 2013.
- Gave a presentation on 'The Role of New Technologies in the Global Transformations' in National Research Foundation of Korea (NRF), Green Technology Center-Korea (GTC) and IIASA Workshop, IIASA, Laxenburg, Austria, 13 November 2013.
- Gave several presentations on 'Overview, units and conversion factors, Energy services, Basics of world energy system'; 'Technology, Environmental Issues and Climate Change'; 'Scenarios of Future Energy Demand and Greenhouse Gas Emissions'; and 'Fossil, Nuclear and Renewable Energy – Resources, Reserves and Potentials', at the Energy Economics and Climate Change 2013 Conference, Vienna, Austria, 18-19 November 2013.
- Participated in Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria, 19 November 2013.
- Gave the Opening Presentation at the Joint ADVANCE-COMPLEX Meeting, 20 November 2013, Laxenburg, Austria.
- Participated as a member of the Advisory Board at the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 21-22 November 2013.

December

- Participated in an internal working group meeting of the Convening Lead Authors of the Assessment Report for the Austrian Panel on Climate Change (APCC), Vienna, Austria, 3 December 2013.
- Gave a presentation on 'Carbon Fluxes in Scenarios with Significant NE based on GEA, RCPs and CMIP5', International Workshop on Sustainable Negative Emissions: A Climate Risk Management Option?, Tokyo, Japan, 6 December 2013.
- Gave presentations in the Sessions on Assessing Current Energy Outlooks, The Changing Landscape of Fossil Fuel Dependence: Where Are We Going and Our Changing Climate: How Can we Balance Energy Demand with Sustainability at the Nobel Week Dialogue on in 'Exploring the Future of Energy, Gothenburg, Sweden, 9 December 2013.
- Participated as a member of the Advisory Board at the meeting of the German Advisory Council on Global Change (WBGU), Berlin, Germany, 19-20 December 2013.

Shonali Pachauri

- Participated as a panel member in the 'Starting Grant Evaluation StG2013: SH3 Step 1 Panel Meeting' held by the European Research Council Executive Agency, Brussels, Belgium, 29-31 January 2013.
- Participated in the South African YSSP Program mid-course review, Bloemfontein, South Africa, 11-14 February 2013.
- Participated in the ADVANCE Kickoff Meeting, Potsdam, Germany, 18-20 February 2013.
- Gave a presentation at the International Dialogue Forum on 'Low Carbon Development and Poverty Reduction', Indian Statistical Institute, New Delhi, India, 21-22 February 2013.
- Participated in Panel on Energy Access at the Clean Cooking Forum 2013: 'Igniting Change, Fueling Markets, and Sparking Adoption', Global Alliance for Clean Cookstoves, Phnom Penh, Cambodia, 18-22 March 2013.
- (GEA) Participated in the Dissemination Event of the GEA in parallel to the Clean Energy Ministerial (CEM) Meeting, CEM Meeting, New Delhi, India, 18 April 2013.
- Participated in the second phase of the European Research Council reviews/interviews for the starters grants for the SH3 Panel, European Research Council Executive Agency, Brussels, Belgium, 20-23 May 2013.
- Gave a presentation on 'Universal Energy Access: From Minimum Needs to Decent Living' at IIASA side event 'Multiple Benefits of the Global Energy Transformation: Recent Research Findings' in the Vienna Energy Forum (VEF) 2013, co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.
- Gave a presentation on the Energy Program to the Australian Ambassador David Stuart, IIASA, Laxenburg, Austria, 31 May 2013.
- Participated in the Bonn International Cooking Energy Forum (Progress towards the "100 million by 2020" goal) as a moderator for the panel on Cooking Energy and the SE4All Agenda organized by the German Federal Ministry of Economic Cooperation (GIZ) and Development and the Global Alliance for Clean Cookstoves, Bonn, Germany, 26-28 June 2013.
- Gave a presentation at YSSP-led Discussion Seminar on 'the Future of Energy: Constraints and Possibilities', IIASA, Laxenburg, Austria, 31 July 2013.
- Participated in the Research Advisory Committee meeting of the Global Alliance for Clean Cookstoves (GACC), New York, NY, USA, 26-27 September 2013.
- Participated in 'Equity Workshop' led by Dr. Ralph Keeney, IIASA, Laxenburg, Austria, 16 October 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMS' Workshop, IIASA, Laxenburg, Austria 19 November 2013.
- Participated in ADVANCE Meeting, IIASA, Laxenburg, 20-22 November 2013.
- Gave lecture to master of science program on 'Socio-Ecological Economics and Policy' at the Vienna University of Economics and Business, Vienna, Austria, 27 November 2013.
- Participated as a panelist on session 'Energy Access, Human Rights and Equity' of 'International Conference on International Cooperation for Sustainable Energy Strategies: Energy Access and the Nexus with Water and Food', Milan, Italy, 4-5 December 2013.

Narasimha Rao

- Participated in the South African YSSP Program mid-course review, Bloemfontein, South Africa, 12-18 January 2013.
- Participated in the panel discussions at the High Level Meeting on 'Energy and the post-2015 Development Agenda', Oslo, Norway, 9 April 2013.
- Participated at the IIASA side event "Multiple Benefits of the Global Energy Transformation: Recent Research Findings" in the Vienna Energy Forum (VEF) 2013, co-organized by the United Nations Industrial Development Organization (UNIDO), the Austrian Federal Ministry for European and International Affairs, and the International Institute for Applied Systems Analysis (IIASA), Vienna, Austria, 28-30 May 2013.
- Gave a presentation on 'Development beyond Basic Needs: Decarbonization and the Material Basis for Decent Living' at the conference on 'Transformation in a Changing Climate', Oslo University, Oslo, Norway, 19-21 June 2013.
- Chaired YSSP Late Summer Workshop session on 'Energy and Climate Change: Energy Efficiency Modelling', IIASA, Laxenburg, Austria, 26 August 2013.
- Gave a presentation on 'Energy Thresholds for Climate Mitigation: an Analytical Framework and Policy Implications' for IIASA Seminar, IIASA, Laxenburg, Austria, 29 August 2013.

- Gave a presentation on 'Energy Access, Development Rights and Climate Ethics' at International School on Energy Systems (ISES) 2013, at Kultur- und Bildungszentrum des Bezirks Oberbayern, Seeon, Germany, 2-6 September 2013.
- Gave a presentation on current research on 'Explaining Country Income Inequality: an Integrated Approach' at National Center for Atmospheric Research (NCAR), Boulder, CO, USA, 11 October 2013.
- Participated in the DISCCRS VIII Symposium, Dissertations Initiative for the Advancement of Climate Change Research, Colorado Springs, USA, 12-19 October 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMs' Workshop, IIASA, Laxenburg, Austria 19 November 2013.

Shilpa Rao

- Participated in and gave a presentation on 'Air Pollution in WP4, LIMITS (I)' at the LIMITS Internal Partners Meeting and the Second Stakeholder Workshop, Amsterdam, Netherlands, 12-14 February 2013.
- Participated in and gave a presentation on 'Abstract 1: Impact of current policies on future air quality and health outcomes in Delhi, India' and 'Abstract 2: Europe in 2050, a regional air quality and climate perspective' at the European Geosciences Union (EGU) General Assembly 2013, Vienna, Austria, 7-12 April 2013.
- Participated and gave a presentation on 'Air Pollution in WP4, LIMITS (II)' at the LIMITS 4th Meeting, IIASA, Laxenburg, Austria, 26-27 September 2013.

Keywan Riahi

- Gave a presentation on the Energy Program to Anne Glover, the Chief Scientific Adviser to the President of the European Commission, IIASA, Laxenburg, Austria, 15 January 2013.
- Gave a presentation at the water subgroup meeting, IIASA, Laxenburg, Austria, 28 January 2013.
- Participated in and gave a presentation on at the LIMITS Internal Partners Meeting and the Second Stakeholder Workshop, Amsterdam, Netherlands, 12-14 February 2013.
- Participated in the ADVANCE Kickoff Meeting, Potsdam, Germany, 18-20 February 2013.
- Gave a presentation on 'The Next Energy Transformation - Scenarios from the Global Energy Assessment, 2012' at the Global Energy Assessment Workshop, Tokyo, Japan, 26 February 2013.
- Gave a presentation on 'Required Near-term Climate Actions to Limit Global Warming to 2°C' at the FY2012 ALPS International Symposium "Moving toward Sustainable Climate Change Actions", Research Institute of Innovative Technology for the Earth, Tokyo, Japan, 27 February 2013.
- Gave a presentation on 'Energy Program' to delegation from Commonwealth Scientific and Industrial Research Organisation (CSIRO), IIASA, Laxenburg, Austria, 12 March 2013.
- Participated in Joeri Rogelj's doctoral exam as a member of the examination committee, ETH Zurich, Zurich, Switzerland, 26 March 2013.
- Gave a lecture as a guest professor on Energy Systems Analysis, Graz University of Technology (TU Graz), Graz, Austria, 15-18 April 2013.
- Gave a presentation on the Energy Program to Egyptian Delegation, IIASA, Laxenburg, Austria, 26 April 2013.
- Gave a presentation on 'Key Findings of the Global Energy Assessment' at the annual conference 2013 of the Austrian metal and steel manufacturing industry sector, University of Leoben, Austria, 14 May 2013.
- Gave presentations at the AMPERE Validation Workshop and 5th AMPERE Meeting and participated in the Technology Workshop, Seville, Spain, 26-31 May 2013.
- Gave a presentation on 'The Impact of Policy Timing on Global Energy Technology Developments' at the 2nd AMPERE Stakeholder Workshop, Brussels, Belgium, 12 June 2013.
- Gave a presentation on 'Scenarios Limiting Climate Change to Two Degrees' at the 36th International Association for Energy Economics (IAEE), International Conference on the Theme of Energy Transition and Policy Challenges, Daegu, Republic of Korea, 16-20 June 2013.
- Participated in workshop on 'Challenges and Opportunities of Eurasian Economic Integration' implemented by IIASA and the Russian Academy of Sciences IIASA, Laxenburg, Austria, 27-28 June 2013.
- Participated in the Fourth Lead Author Meeting (LAM 4) and the Fourth Scenarios Meeting (SIE4) for the IPCC Working Group III contribution to the IPCC Fifth Assessment Report (WG III AR5), Addis Ababa, Ethiopia, 29 June-5 July 2013.
- Gave a presentation at the Ifo Workshop 2013 on the 'Integrated Assessment of International Climate Change Policies', Ifo Institute, Munich, Germany, 9-10 July 2013.
- Gave a presentation at the Climate Change Impacts and Integrated Assessment (CCI/IA) Workshop, Snowmass, Colorado, USA, 29 July-2 August 2013.
- Gave a presentation and participated in the LIMITS 4th Meeting, IIASA, Laxenburg, Austria, 26-27 September 2013.
- Participated in the 'LIMITS modelers meeting' at IIASA, Laxenburg, Austria on September 28, 2013.
- Gave a presentation on 'Energy Trends Worldwide – the Global Energy Assessment Report 2012' at the conference 'Elements of a Greenhouse Gas Neutral Society', German Federal Environment Agency (Umweltbundesamt), Berlin, Germany, 10-11 October 2013.

- Met and worked with the Technical Support Unit (TSU) per the consistency checks across chapters of the report for Working Group III, Potsdam Institute for Climate Change Impact Research, Potsdam, Germany, 28-30 October 2013.
- Gave a presentation on 'Integrative Research Initiatives' to the IIASA Council at IIASA, Laxenburg, Austria, 12 November 2013.
- Gave a presentation entitled 'The Challenge of Transforming the Global Energy System: Lessons Learned from Technology Diffusion in the Past for Future Scenarios' in National Research Foundation of Korea (NRF), Green Technology Center-Korea (GTC) and IIASA Workshop, IIASA, Laxenburg, Austria, 13 November 2013.
- Participated in and chaired final session of 'Enhancing the State of Transport Modeling in IAMs' Workshop, IIASA, Laxenburg, Austria 19 November 2013.
- Participated gave opening remarks and chaired first session of Joint ADVANCE-COMPLEX Meeting, Laxenburg, Austria, 20 November 2013.
- Participated in, chaired some sessions and gave presentations of ADVANCE Meeting, IIASA, Laxenburg, 20-22 November 2013.
- Participated in seminar on „Forschung und Innovation -Herausforderungen durch die Energiewende“ and gave a presentation on “the Next global Energy Transformation” at the Oesterreichs Energie Akademie, Vienna, Austria on 10 December 2013.

Joeri Rogelj

- Gave a presentation on 'Integrating uncertainties for climate change mitigation' at the European Geosciences Union General Assembly 2013, Vienna, Austria, 7-12 April 2013.
- Participated in and gave a presentation on 'Mitigation efforts shift under varying CCS availability' at the Global Carbon Project (GCP) and International Institute for Applied Systems Analysis (IIASA) Workshop on Negative Emissions and the Carbon Cycle, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 15-17 April 2013.
- Gave a presentation entitled 'From Emission Scenarios to Climate Targets: There and Back Again' for a Climate and Environmental Physics Seminar at the University of Bern, Bern, Switzerland, 29 April 2013.
- Gave a lecture on 'Policy Implications of Carbon Cycle Uncertainties' for the Advanced Study Program (ASP), National Center for Atmospheric Research (NCAR), Colorado, USA, 14 August 2013.
- Gave a presentation on 'Integrating Uncertainties for Climate Change Mitigation' at the IAM Summer Workshop, National Center for Atmospheric Research (NCAR), Boulder, Colorado, USA, 19 August 2013.
- Gave a presentation on '2020 emission windows required to limit warming to below 2 degrees C', at the IAMC (Integrated Assessment Modeling Consortium) Annual Meeting, National Institute of Environmental Studies, Tsukuba, Japan, 26 October-1 November 2013.
- Gave a presentation on 'Short-Lived Climate Forcers: Quo Vadis' at the Energy Modelling Forum 30 Kick Off Meeting, National Institute for Environmental Studies (NIES), Tsukuba, Japan, 31 October 2013.
- Gave a presentation on 'Incorporating Climate-System and Carbon-Cycle Uncertainties in Integrated Assessments of Climate Change' at the fall meeting of the American Geophysical Union (AGU) in San Francisco, California, USA, 12 December 2013.

Hans-Holger Rogner

- Participated in the Deep Carbon Observatory (DCO) International Science Meeting, U.S. National Academy of Sciences, Washington, D.C., 3-5 March 2013.
- Gave a presentation 'Global opportunities and barriers' at the Workshop on Longer-term, Global Implications of Abundant Natural Gas, Joint Global Change Research Institute (JGCRI), Cambridge, MD, USA, 16-17 April 2013.
- Participated in 'Enhancing the State of Transport Modeling in IAMs' Workshop, IIASA, Laxenburg, Austria 19 November 2013.

Manfred Strubegger

- Gave a presentation on 'Overview of the GLOBIOM enhancement module' at IIASA, Laxenburg, Austria on March 14, 2013
- Participated in the IAEA Technical Meeting to Review the IAEA's Methodologies and Analytical Tools for Sustainable Energy Development, IAEA Headquarters, Vienna, Austria, 4-7 June 2013.
- Gave a presentation on 'The Water Implementation v1.0' at IIASA, Laxenburg, Austria on November 6, 2013
- Participated in South African YSSP as supervisor to one of the participants, Bloemfontein, South Africa, 8-14 December 2013.

YSSPs

Benjamin Leibowicz

- Gave a presentation on 'Representing International Technology Spillovers in a Computable General Equilibrium Energy-Economic Model' at the 2013 International Energy Workshop (IEW) hosted by the International Energy Agency, Paris, France, 19-21 June 2013.

Kalai Ramea

- Gave a presentation on 'Incorporation of Consumer Vehicle Demand in Energy Systems Models and the Implication for Climate Policy Analysis' at the 2013 International Energy Workshop (IEW) hosted by the International Energy Agency, Paris, France, 19-21 June 2013.