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Employment:

- **Senior Research Scientist (since 2014), Deputy Director of the MIT Joint Program on the Science and Policy of Global Change (since 2014), Assistant Director for Economic Research (2011-2014), Principal Research Scientist (2008-2014), Research Scientist in Economics (2002-2008), MIT Energy Initiative, MIT Joint Program on the Science and Policy of Global Change, Massachusetts Institute of Technology, Cambridge, MA, 2002-present.**

Work on the economics and policy of climate change and advanced energy technologies, with particular responsibility for sustenance, development, and policy application of the MIT Economic Projection and Policy Analysis (EPPA) model. Directing the MIT Joint Program on the Science and Policy of Global Change.

- **Consultant, The World Bank, Washington DC, 2001, 2002.**
An assignment with the VP Development Economics and Chief Economist (DEC). Developing the services CGE model for the Russian Federation. Working on the Trade and Poverty in the Least Developed Countries Project.
- **Instructor, Research Assistant, Teaching Assistant, Department of Economics, The University of Colorado, Boulder, CO, 1994-1995, 1997-2002.**
Teaching courses in microeconomics, international finance, economic forecasting, and macroeconomics. Research sponsored by the U.S. Department of Energy on creating a global economic-energy dataset, GTAP-EG, and quantitative assessment of carbon leakage based on the Kyoto Protocol goals.
- **Visiting Instructor, The Economics Institute, Boulder, CO, 1994-1995, 1999-2001.**
Teaching courses in microeconomics and a seminar on a transition to a market economy to students preparing for graduate study in USA. Directing the symposium on transitional economies for senior government officials from the Central Asian Republics of the former USSR.
- **Actuarial Modeling Expert, International Management and Communications Corporation (IMCC), Arlington, VA, 1998-1999.**
Working on USAID-funded worldwide study on Pension System Issues and Their Relation to Economic Growth. The objectives of this project are to develop for USAID and for national governments contemplating pension system reform a compact overview and assessment of alternative approaches to such reform and of their likely effects upon economic growth and the social security of the population. Analyzing the population

dynamics and the projection of demand for pension benefits over periods ranging until 2075 for a selection of developing and transition economies on the assumption that existing PAYGO systems will be retained.

- **Consultant, The World Bank, Washington DC, 1999.**
Creating a core computable general equilibrium model for Russia based on the Goskomstat input-output table. Assessing marginal excess burdens of indirect taxes. Developing an internet-based CGI environment for remote access to GAMS-MPSGE models.
- **Executive Director, Masters Program in Economics and Management of Technology in Belarus, The Economics Institute, Boulder, CO, 1995-1997.**
Directing the Economics Institute's Masters Program in Economics and Management of Technology at Belarusian State University, Minsk, Belarus. The program was a joint U.S. – Belarus pilot project sponsored by the U.S. Agency for International Development through The Eurasia Foundation. Creation and registration of the entity with Belarusian authorities, teaching, and day-to-day management of the program. The program has now been transformed into the School of Business and Management of Technology at Belarusian State University.
- **Scientist, Belarusian State University, Minsk, Belarus, 1990-1993.**
Research sponsored by the Belarus Fund of Fundamental Investigations on correlation analysis of random flows of signals.
- **Engineer-Designer, Brest Computer Production Amalgamation, Brest, Belarus, 1989-1990.**
Designing of specialized computer hardware. Supervision of production process.

Education:

- University of Colorado, Boulder, USA, PhD, Economics, 2001.
Dissertation: General Equilibrium Assessment of Public Policy Issues in the Newly Independent States. Advisor – Professor Thomas F. Rutherford
- Belarusian State University, Minsk, Belarus, Diploma, Radiophysics and Electronics, 1989.

Awards:

Cash Prize Award of the 2016 World Energy Congress for the paper “Projecting Energy and Climate for the 21st Century: Energy Scenarios, Energy Geopolitics, and Impacts of the Paris Agreement (COP-21)”.

2012 Pyke Johnson Award (The award by the Transportation Research Board of the National Academies, USA, for the best paper in the area of planning and environment. The award is given for the paper “The Economic, Energy, and GHG Emissions Impacts of Proposed 2017-2025 Vehicle Fuel Economy Standards in the United States”, with V. Karplus).

Best Policy Analysis Paper of 2012, Environmental Science and Technology Journal, American Chemical Society (For the paper “Using Land To Mitigate Climate Change: Hitting the Target, Recognizing the Trade-offs”, with J. Reilly, J. Melillo, Y. Cai, D. Kicklighter, A. Gurgel, T. Cronin, A. Sokolov, and A. Schlosser).

Global Trade Analysis Project (GTAP) Research Fellow, 2008-2011.

Best 2004 Research Award, Tokyo Electric Power Company, Japan (with Yasuyuki Endo, Kok Hou Tay, Henry Jacoby, and John Reilly).

Advisory and Consulting Experience:

Advisory Board Member, Global Trade Analysis Project (GTAP), Purdue University, 2006-present.

Scientific Steering Committee Member, Integrated Assessment Modeling Consortium (IAMC), 2019-present.

Evaluation of the Development Impacts of Climate Finance, Industrial Economics Inc. for the World Bank, 2021-2022.

Computable General Equilibrium (CGE) Modeling Panel, Science Advisory Board, U.S. Environmental Protection Agency (EPA), 2019-2020.

Indonesia Water Security, The World Bank, 2020.

Consultant, Energy Model Review Panel, Industrial Economics Inc. for the Environment and Climate Change Canada, 2017-2018.

Economy-Wide Modeling Panel, Science Advisory Board, U.S. Environmental Protection Agency (EPA), 2015-2017.

Consultant, Contribution of Water Resource Development and Environmental Management to Uganda's Economy, Industrial Economics Inc. for the Ministry of Water and Environment, Republic of Uganda, 2015-2016.

Lead Author, Fifth Assessment Report (AR5), Working Group III, Intergovernmental Panel on Climate Change (IPCC), 2011-2014.

Consultant, Impacts of Climate Change, NERA Economic Consulting, 2014.

Reviewer, European Research Council Executive Agency, EC, 2013.

Reviewer, Natural Gas Development, Alfred P. Sloan Foundation, 2013.

Consultant, Energy-Economic Modeling Frameworks for Climate Policy Analysis, The World Bank, 2012.

Review Panel for the Program on the Economics of Climate Change, Germany's Federal Ministry of Education and Research (BMBF), 2010-2011.

Reviewer, Life Cycle Greenhouse Gas Inventory of Natural Gas Extraction, Delivery and Electricity Production, National Energy Technology Laboratory, U.S. Department of Energy, 2011.

Reviewer, Natural Gas and Renewables: A Secure Low Carbon Future Energy Plan for the United States, DB Climate Change Advisors, Deutsche Bank Group, 2010.

Consultant, The Biofuels Market: Current Situation and Alternative Scenarios, United Nations Conference on Trade and Development (UNCTAD), 2007-2008.

Expert Panel on the Economics of Climate Change, U.S. Government Accountability Office (GAO), 2007-2008.

Consultant, Tax Reform and Foreign Trade in Uzbekistan, United Nations Development Programme (UNDP), 2006.

Second Generation Model Advisory Panel, Science Advisory Board, U.S. Environmental Protection Agency (EPA), 2004-2006.

Consultant, Trade and Poverty in the Least Developed Countries, The World Bank. 2001, 2002.

Consultant, Assessment of the Marginal Excess Burden of Taxes in the Russian Economy, The World Bank. 1999.

Consultant, Pension Reform in the Kyrgyz Republic, IMCC for Asian Development Bank. 1998-1999.

Administrative Experience:

Deputy Director at the MIT Joint Program on the Science and Policy of Global Change, 2014-present.

Assistant Director for Economic Research at the MIT Joint Program on the Science and Policy of Global Change, 2011-2014.

Creating and managing the joint US-Belarus Masters level educational Program in Economics and Management of Technology (PEMT) at Belarusian State University, Minsk, Belarus. The project was sponsored by The United States Agency for International Development through The Eurasia Foundation. 1995-1997.

Teaching Experience:

Instructor:

Global Climate Change: Economics, Science, and Policy (Graduate/Upper Undergraduate Level) - Massachusetts Institute of Technology, Spring 2010 (with Professors Prinn, Reilly, Schlosser, Selin, Strzepek, and Webster).

Principles of Microeconomics (Undergraduate Level) - University of Colorado, Fall 1998, Spring 2002 - The Economics Institute, Fall 1999.

Microeconomic Theory (Upper Undergraduate Level) - University of Colorado, Summer 1998, Summer 2000, Summer 2001 – The Economics Institute, Fall 1999, Spring 2000, Summer 2000, Spring 2001, Summer 2001.

International Finance (Masters level) – University of Colorado, Spring 2001, Spring 2002 (co-teaching with Professor C.M.Becker).

Economic Forecasting (Masters level) – University of Colorado, Spring 2002.

Microeconomics and its Applications (USAID-sponsored course for senior government officials from the former Soviet Union) - The Economics Institute, Fall 1994, Summer 1995.

Microeconomic Theory (Masters Level) - Belarusian State University, Fall 1996 – University of Colorado, Fall 2001.

Seminar on a Transition to a Market Economy (USAID-sponsored course for senior government officials from the former Soviet Union) - The Economics Institute, Summer 1995.

Teaching Assistant:

Principles of Microeconomics - University of Colorado, Spring 1995, Fall 1997, Spring 1998.

Principles of Macroeconomics - University of Colorado, Fall 1994, Fall 1995.

Mathematical Modeling - Belarusian State University, Fall 1992.

Short courses on computable general equilibrium (CGE) modeling:

Introduction to Computable General Equilibrium Modeling (November 2016, Taoyuan, Taiwan), 3-day Workshop for the Institute of Nuclear Energy Research, Instructor (with Henry Chen).

Introduction to Computable General Equilibrium Modeling (February 2016, Industrial Economics Inc, Cambridge, MA, USA), 3-day Workshop for the Ministry of Water and Environment of the Republic of Uganda, Instructor (with James Thurlow).

Economic Modeling of Energy and Environment: Current Approaches and Challenges (February 2009, Center for Economic and Financial Research at New Economic School, Moscow, Russia), 1-day Workshop, Instructor.

Introduction to Computable General Equilibrium Modeling with GAMS and MPSGE (October 2007, Ruhr Graduate School of Economics, University of Duisburg-Essen, Essen, Germany), 5-day Workshop, Instructor (with David Tarr and Volker Clausen).

Introduction to Computable General Equilibrium Modeling with GAMS and MPSGE (December 2006, Institute for Privatization and Management, Minsk, Belarus), 5-day Workshop for Ministry

of Economy, National Bank of Belarus, Institute for Privatization and Management, Belarusian State University, and Belarusian State Economic University, Instructor (with David Tarr).

Climate and Energy Policy Applications in CGE Modeling (November 2006, Ruhr Graduate School of Economics, University of Duisburg-Essen, Essen, Germany), 3-day Workshop for Ruhr Graduate School of Economics and RWI Essen, Instructor.

Introduction to Computable General Equilibrium Modeling with GAMS and MPSGE (September 2006, Center for Economic Research, Tashkent, Uzbekistan), 2-day Workshop for Ministry of Economy, Ministry of Finance, Ministry of Foreign Economic Affairs, State Tax Committee, State Statistics Committee, and Center for Economic Research, Instructor (with Miles Light).

Dynamic Modeling with MPSGE (April 2005, Ann Arbor, Michigan, USA), 5-day Workshop, Instructor (with Thomas Rutherford and Laurent Cretegnny).

Modeling Economic Equilibrium in a Complementarity Format: An Introduction to GAMS/MCP and GAMS/MPSGE (March 2000, Boulder, Colorado, USA), 4-day Workshop, Teaching Assistant (for Instructors Thomas Rutherford and Richard Cottle).

Publications:

I. Refereed Journal Articles:

Gurgel, A., B. Mignone, J. Morris, H. Khesghi, M. Mowers, D. Steinberg, H. Herzog, S. Paltsev, 2023, "Variable renewable energy deployment in low-emission scenarios: the role of technology cost and value," *Applied Energy*, in press.

Schlosser, A., C. Frankenfeld, S. Eastham, X. Gao, A. Gurgel, A. McCluskey, J. Morris, S. Orzach, K. Rouge, S. Paltsev, J. Reilly, 2023, "Assessing Compounding Risks Across Multiple Systems and Sectors: A Socio-Environmental Systems Risk-Triage Approach," *Frontiers in Climate*, in press.

Eastham, S., E. Monier, D. Rothenberg, S. Paltsev, N. Selin, 2023, "Rapid estimation of climate-air quality interactions in integrated assessment using a response surface model," *ACS Environmental Au*, in press.

Vitorino, R., D. Ramos, K. Tapia-Ahumada, S. Paltsev, J. Reilly, 2023, "Pumped-hydro storage plants influencing the optimal hourly dispatch in hydro-thermal systems with massive integration of variable renewable energy," *Electric Power Systems Research*, 220, 109282.

Morris, J., D. Hone, M. Haigh, A. Sokolov, S. Paltsev, 2023, "Future energy: In search of a scenario reflecting current and future pressures and trends," *Environmental Economics and Policy Studies*, 25, 31-61.

Paltsev, S., A. Gurgel, J. Morris, H. Chen, S. Dey, S. Marwah, 2022, "Economic analysis of the hard-to-abate sectors in India," *Energy Economics*, 112, 106149.

Carbone, J., L. Bui, D. Fullerton, S. Paltsev, I. Sue Wing, 2022, "When and How to Use Economy-Wide Models for Environmental Policy Analysis," *Annual Review of Resource Economics*, 14, 447-465.

Vitorino, R., D. Ramos, K. Tapia-Ahumada, S. Paltsev, J. Reilly, 2022, "Economic Dispatch Considering Hourly Capacity Allocation with a Variable Renewable and Hydro-Based Generation Portfolio," *Energy and Power Engineering*, 14(10), 594-614.

Atkinson, W., S. Eastham, H. Chen, J. Morris, S. Paltsev, A. Schlosser, N. Selin, 2022, "A Tool for Air Pollution Scenarios (TAPS v1.0) to enable global, long-term, and flexible study of climate and air quality policies," *Geoscientific Model Development*, 15, 7767–7789.

Chen, Y.-H. Henry, S. Paltsev, A. Gurgel, J. Reilly, J. Morris, 2022, "A multisectoral dynamic model for energy, economic and climate scenario analysis," *Low Carbon Economy*, 13(2), 70-111.

Morris, J., J. Reilly, S. Paltsev, A. Sokolov, K. Cox, 2022, "Representing Socio-Economic Uncertainty in Human System Models," *Earth's Future*, 10, 4, 1-25.

Paltsev, S., A. Ghandi, J. Morris, H. Chen, 2022, "Global electrification of light-duty vehicles: Impacts of economics and climate policy," *Economics of Energy and Environmental Policy*, 11(1), 165-191.

Garcia-Muros, X., J. Morris, S. Paltsev, 2022, "Toward a just energy transition: A distributional analysis of low-carbon policies in the USA," *Energy Economics*, 105, 105769.

Paltsev, S., J. Morris, H. Kheshgi, H. Herzog, 2021, "Hard-to-abate sectors: The role of industrial carbon capture and storage (CCS) in emission mitigation," *Applied Energy*, 300, 117322.

Smith, E., J. Morris, H. Kheshgi, G. Teletzke, H. Herzog, S. Paltsev, 2021, "The cost of CO₂ transport and storage in global integrated assessment modeling," *International Journal of Greenhouse Gas Control*, 109, 103367.

Fajardy M., J. Morris, A. Gurgel, H. Herzog, N. MacDowell and S. Paltsev, 2021, "The economics of bioenergy with carbon capture and storage (BECCS) deployment in a 1.5°C or 2°C world," *Global Environmental Change*, 68, 102262.

Morris, J., H. Kheshgi, S. Paltsev and H. Herzog, 2021, "Scenarios for the deployment of carbon capture and storage in the power sector in a portfolio of mitigation options," *Climate Change Economics*, 12(1), 215001.

Harmsen M., E. Kriegler, D. van Vuuren, K. van der Wijk, G. Luderer, R. Cui, O. Dessens, L. Drouet, J. Emmerling, J. Morris, F. Fosse, D. Fragkiadakis, K. Fragkiadakis, P. Fragkos, O. Fricko, S. Fujimori, D. Gernaat, C. Guivarch, G. Iyer, P. Karkatsoulis, I. Keppo, K. Keramidas, A. Koberle, P. Kolp, V. Krey, C. Kruger, F. Leblanc, S. Mittal, S. Paltsev, P. Rochedo, B. van Ruijven, R. Sands, F. Sano, J. Strefler, E. Vasquez Arroyo, K. Wada and B. Zakeri, 2021, "Integrated assessment model diagnostics: key indicators and model evolution," *Environmental Research Letters*, 16, 054046.

Hong, W.-H., H.-C. Chai, Y.-H.H. Chen, J. Reilly and S. Paltsev, 2021, "Will using newer input-output data for general equilibrium modeling provide a better estimate for the CO₂ mitigation cost?" *Economic Systems Research*, 33(2), 157-170.

Chen, Y.-H.H., J. Reilly and S. Paltsev, 2021, "The role of shale gas in shaping the U.S. long-run CO₂ emissions," *Energy and Environment*, 32(4), 737-755.

Ghandi, A. and S. Paltsev, 2020, "Global CO₂ impacts of light-duty electric vehicles," *Transportation Research Part D*, 87, 102524.

Kapsalyamova, Z. and S. Paltsev, 2020, "Use of natural gas and oil as a source of feedstocks," *Energy Economics*, 92, 104984.

Makarov, I., H. Chen and S. Paltsev, 2020, "Impacts of climate change policies worldwide on the Russian economy," *Climate Policy*, 20(10), 1242-1256.

Faehn, T., G. Bachner, R. Beach, J. Chateau, S. Fujimori, M. Ghosh, M. Hamdi-Cherif, E. Lanzi, S. Paltsev, T. Vandyck, B. Cunha, R. Garaffa and K. Steininger, 2020, "Capturing key energy and emission trends in CGE models: Assessment of status and remaining challenges," *Journal of Global Economic Analysis*, 5(1), 196-272.

Paltsev, S., 2020, "Projecting Energy and Climate for the 21st Century," *Economics of Energy and Environmental Policy*, 9(1), 43-62.

Chai, H.-C., W.-H. Hong, J. Reilly, S. Paltsev and Y.-H.H. Chen, 2019, "Will Greenhouse Gas Mitigation Policies Abroad affect the Domestic Economy? The Case of Taiwan," *Climate Change Economics*, 10(4), 1950016.

Dimanchev, E., S. Paltsev, M. Yuan, D. Rothenberg, C. Tessum, J. Marshall and N. Selin, 2019, "Health Co-Benefits of Sub-National Renewable Energy Policy in the U.S.," *Environmental Research Letters*, 14(8), 085012.

Gurgel, A., S. Paltsev, and G. Breviglieri, 2019, "The Impacts of the Brazilian NDC and their contribution to the Paris Agreement on Climate Change," *Environment and Development Economics*, 24(4), 395-412.

Arndt, C., P. Chinowsky, C. Fant, S. Paltsev, C. A. Schlosser, K. Strzepek, F. Tarp, and J. Thurlow, 2019, "Climate Change and Developing Country Growth: The Cases of Malawi, Mozambique and Zambia," *Climatic Change*, 154, 335-349.

Morris, J., S. Paltsev, and A. Ku, 2019, "Impacts of China's emissions trading schemes on deployment of power generation with carbon capture and storage," *Energy Economics*, 81, 848-858.

Morris, J., J. Farrell, H. Kheshgi, H. Thomann, H. Chen, S. Paltsev, H. Herzog, 2019, "Representing the Costs of Low-Carbon Power Generation in Multi-region Multi-sector Energy-Economic Models," *International Journal of Greenhouse Gas Control*, 87, 170-187.

Kat, B., S. Paltsev, and M. Yuan, 2018, "Turkish energy sector development and the Paris Agreement goals: A CGE model assessment," *Energy Policy*, 122, 84-96.

Paltsev, S., Y-H. Chen, V. Karplus, P. Kishimoto, J. Reilly, A. Loeschel, K. von Graevenitz, and S. Koesler, 2018, "Reducing CO₂ from cars in the European Union," *Transportation*, 45(2), 573-595.

Monier, E., S. Paltsev, A. Sokolov, Y.-H.H. Chen, X. Gao, Q. Ejaz, E. Couzo, C. Schlosser, S. Dutkiewicz, C. Fant, J. Scott, D. Kicklighter, J. Morris, H. Jacoby, R. Prinn, and M. Haigh, 2018, "Toward a consistent modeling framework to assess multi-sectoral climate impacts," *Nature Communications*, 9, 660.

Kleinberg, R., S. Paltsev, C. Ebinger, D. Hobbs, and T. Boersma, 2018, "Tight Oil Market Dynamics: Benchmarks, Breakeven Points, and Inelasticities," *Energy Economics*, 70, 70-83.

Monier, E., D. Kicklighter, A. Sokolov, Q. Zhuang, I. Sokolik, R. Lawford, M. Kappas, S. Paltsev and P. Groisman, 2017, "A Review of and Perspectives on Global Change Modeling for Northern Eurasia," *Environmental Research Letters*, 12, 083001.

Kearns, J., G. Teletzke, J. Palmer, H. Thomann, H. Kheshgi, H. Chen, S. Paltsev, H. Herzog, 2017, "Developing a Consistent Database for Regional Geologic CO₂ Storage Capacity Worldwide," *Energy Procedia*, 114, 4697-4709.

Paltsev, S., 2017, "Energy Scenarios: The Value and Limits of Scenario Analysis," *WIREs Energy and Environment*, 6, e242.

Ramberg, D., Y-H. Chen, S. Paltsev, and J. Parsons, 2017, "The economic viability of Gas-to-Liquids technology and the crude oil-natural gas price relationship," *Energy Economics*, 63, 13-21.

Paltsev, S., 2016, "The Complicated Geopolitics of Renewable Energy," *Bulletin of the Atomic Scientists*, 72(6), 390-395.

Zhang, D. and S. Paltsev, 2016, "The Future of Natural Gas in China: Effects of Pricing Reform and Climate Policy," *Climate Change Economics*, 7 (4), 1650012, 1-32.

Gavard, C., N. Winchester, and S. Paltsev, 2016, "Limited trading of emissions permits as a climate cooperation mechanism? US-China and EU-China examples," *Energy Economics*, 58, 95-104.

Chen, Y-H., S. Paltsev, J. Reilly, J. Morris and M. Babiker, 2016, "Long-term Economic Modeling for Climate Change Assessment," *Economic Modeling*, 52, 867-883.

Octaviano, C., S. Paltsev, and A. Gurgel, 2016, "Climate change policy in Brazil and Mexico: Results from the MIT EPPA model," *Energy Economics*, 56, 600-614.

Van Ruijven, B., K. Daenzer, K. Fihser-Vanden, T. Kober, S. Paltsev, R. Beach, S. Calderon, K. Calvin, M. Labriet, A. Kitous, A. Lucena, and D. van Vuuren, 2016, "Baseline projections for Latin America: base-year assumptions, key drivers and greenhouse emissions," *Energy Economics*, 56, 498-511.

Paltsev, S. and D. Zhang, 2015, "Natural gas pricing reform in China: Getting closer to a market system?" *Energy Policy*, 86, 43-56.

Karplus, V., P. Kishimoto and S. Paltsev, 2015, "The global energy, CO₂ emissions, and economic impact of vehicle fuel economy standards," *Journal of Transport Economics and Policy*, 49(4), 517-538.

Paltsev, S., V. Karplus, H. Chen, I. Karkatsouli, J. Reilly, and H. Jacoby, 2015, "Regulatory Control of Vehicle and Power Plant Emissions: How Effective and at What Cost?" *Climate Policy*, 15(4), 438-457.

Paltsev, S., E. Monier, J. Scott, A. Sokolov, and J. Reilly, 2015, "Integrated Economic and Climate Projections for Impact Assessment," *Climatic Change*, 131(1), 21-33.

Nam, K-M., C. Waugh, S. Paltsev, J. Reilly, and V. Karplus, 2014, "Synergy between Pollution and Carbon Emissions Control: Comparing China and the United States," *Energy Economics*, 46, 186-201.

Schlosser, A., K. Strzepek, X. Gao, C. Fant, E. Blanc, S. Paltsev, H. Jacoby, J. Reilly, and A. Gueneau, 2014, "The future of global water stress: An integrated assessment," *Earth's Future*, 2(8), 341-361.

Kicklighter D., Y. Cai, Q. Zhuang, E. Parfenova, S. Paltsev, A. Sokolov, J. Melillo, J. Reilly, N. Tchebakova, and X. Lu, 2014, "Potential influence of climate-induced vegetation shifts on future land use and associated land carbon fluxes in Northern Eurasia," *Environmental Research Letters*, 9, 035004.

Paltsev, S., 2014, "Scenarios for Russia's Natural Gas Exports to 2050," *Energy Economics*, 42, 262-270.

Gurgel, A. and S. Paltsev, 2014, "Cost of reducing GHG emissions in Brazil," *Climate Policy*, 14(2), 209-223.

Valin, H., R. Sands, D. van der Mensbrugge, G. Nelson, H. Ahammad, E. Blanc, B. Bodirsky, S. Fujimori, T. Hasegawa, P. Havlik, E. Heyhoe, P. Kyle, D. Mason-D'Croz, S. Paltsev, S. Rolinski, A. Tabeau, H. van Meijl, M. von Lampe, and D. Willenbockel, 2014, "The Future of Food Demand: Understanding Differences in Global Economic Models," *Agricultural Economics*, 45(1), 51-67.

Staples, M., H. Olcay, R. Malina, P. Trivedi, M. Pearlson, K. Strzepek, S. Paltsev, C. Wollersheim and S. Barrett, 2013, "Water consumption footprint and land requirements of large-scale alternative diesel and jet fuel production," *Environmental Science and Technology*, 47(21), 12557-12565.

Paltsev, S. and P. Capros, 2013, "Cost Concepts for Climate Change Mitigation," *Climate Change Economics*, 4(S1), 134003.

De Cian, E., I. Keppo, J. Bollen, S. Carrara, H. Förster, M. Hübler, A. Kanudia, S. Paltsev, R. Sands, and K. Schumacher, 2013, "European-led climate policy versus global mitigation action: Implications on trade, technology, and energy," *Climate Change Economics*, 4(S1), 1340002.

Nam, K-M., C. Waugh, S. Paltsev, J. Reilly, and V. Karplus, 2013, "Carbon co-benefits of tighter SO₂ and NO_x regulations in China," *Global Environmental Change*, 23(6), 1648-1661.

Reilly, J., S. Paltsev, K. Strzepek, N.E. Selin, Y. Cai, K.-M. Nam, E. Monier, S. Dutkiewicz, J. Scott, M. Webster, and A. Sokolov, 2013, "Valuing climate impacts in integrated assessment models: the MIT IGSM," *Climatic Change*, 117(3), 561-573.

Jacoby, H. and S. Paltsev, 2013, "Nuclear exit, the US energy mix, and carbon dioxide emissions," *Bulletin of the Atomic Scientists*, 69(2), 34-43.

Karplus, V., S. Paltsev, M. Babiker, and J. Reilly, 2013, "Should a vehicle fuel economy standard be combined with an economy-wide greenhouse gas emissions constraint? Implications for energy and climate policy in the United States," *Energy Economics*, 36, 322-333.

Karplus, V., S. Paltsev, M. Babiker, and J. Reilly, 2013, "Applying engineering and fleet detail to represent passenger vehicle transport in a computable general equilibrium model," *Economic Modelling*, 30, 295-305.

Winchester, N., C. Wollersheim, R. Clewlow, N. Jost, S. Paltsev, J. Reilly, I. Waitz, 2013, "The Impact of Climate Policy on U.S. Aviation," *Journal of Transport Economics and Policy*, 47(1), 1-15.

Paltsev, S., J. Morris, Y. Cai, V. Karplus and H. Jacoby, 2012, "The Role of China in Mitigating Climate Change," *Energy Economics*, 34(S3), S444-450.

O'Sullivan, F. and S. Paltsev, 2012, "Shale Gas Production: Potential versus Actual Greenhouse Gas Emissions," *Environmental Research Letters*, 7(044030), 1-6.

Karplus, V. and S. Paltsev, 2012, "The Economic, Energy, and GHG Emissions Impacts of Proposed 2017-2025 Vehicle Fuel Economy Standards in the United States," *Transportation Research Record*, 2287, 132-139.

Chan, G., J. Reilly, S. Paltsev, Y.-H. Chen, 2012, "The Canadian Oil Sands Industry under Carbon Constraints," *Energy Policy*, 50, 540-550.

Morris, J., S. Paltsev, and J. Reilly, 2012, "Marginal Abatement Costs and Marginal Welfare Costs for Greenhouse Gas Emissions Reductions: Results from the EPPA Model," *Environmental Modeling and Assessment*, 17(4), 325-336.

Reilly, J., J. Melillo, Y. Cai, D. Kicklighter, A. Gurgel, S. Paltsev, T. Cronin, A. Sokolov, and A. Schlosser, 2012, "Using Land to Mitigate Climate Change: Hitting the Target, Recognizing the Tradeoffs," *Environmental Science and Technology*, 46(11), 5672-5679.

Webster, M., A. Sokolov, J. Reilly, C. Forest, S. Paltsev, A. Schlosser, C. Wang, D. Kicklighter, M. Sarofim, J. Melillo, R. Prinn, and H. Jacoby, 2012, "Analysis of Climate Policy Targets under Uncertainty," *Climatic Change*, 112(3-4), 569-583.

Matus, K., K.-M. Nam, N. Selin, L. Lamsal, J. Reilly, and S. Paltsev, 2012, "Health Damages from Air Pollution in China," *Global Environmental Change*, 22(1), 55-66.

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CERAWeek (March 2023; Houston, TX). Presentation: "How Feasible is 1.5°C?".

Norwegian Ministry of Petroleum and Energy (February 2023; Oslo, Norway). Presentation: "MIT Energy Scenarios".

COP-27 (November 2022; Sharm el-Sheikh, Egypt). Presentation: "Measuring Up to the Methane Challenge".

MIT Center for Energy and Environmental Policy Research (CEEPR) European Energy Policy Conference (September 2022; Brussels, Belgium). Presentation: "Net-zero: Where are we in a global energy transition?"

TotalEnergies (September 2022; Paris, France). Presentation: "Climate Change: Do we have all cards in hands?"

MIT Center for Energy and Environmental Policy Research (CEEPR) International Energy Policy Conference (June 2022; Seoul, Korea). Presentation: "Where are we in a global energy transition?"

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Fundacion Ramon Areces (March 2022; Madrid, Spain). Presentation: “Scaling-Up Low-Carbon Energy: Economic, Geopolitical and Environmental Impacts”.

Clarke Modet (March 2022; Madrid, Spain). Presentation: “Future of Energy”.

CERAWeek (March 2022; Houston, TX). Presentation: “Energy Choices: Pathways to Decarbonization”.

COP-26 (November 2021; Glasgow, UK). Presentation: “Energy and Climate Outlook”.

CEPSA (December 2019; Madrid, Spain). Presentation: “Projecting Energy and Climate for the 21st Century.”

COP-25 (December 2019; Madrid, Spain). Side Meeting on Carbon Capture, Utilization and Storage.

Inpex Corporation (December 2019; Tokyo, Japan). Presentation: “Projecting Energy and Climate for the 21st Century.”

Integrated Assessment Modeling Consortium Meeting (December 2019; Tsukuba, Japan). Presentation: “Bioenergy with Carbon Capture and Storage (BECCS) in a 1.5°C Scenario: Regional Economic Impacts, Land Use Change, and Food Prices.”

MIT Mobility of the Future Study Launch (November 2019; Washington, DC, USA). Presentation: “Light-Duty Vehicles in the Context of Global Economics and Carbon Policy.”

MIT ILP Hydrogen Workshop (November 2019; Cambridge, MA, USA). Presentation: “The Role of Hydrogen and Other Energy Carriers in Low-Carbon Pathways.”

MIT Energy Initiative Annual Research Conference (November 2019; Cambridge, MA, USA). Presentation: “Scaling-Up Transition to Low-Carbon Future.”

International Energy Agency (October 2019; Paris, France). Presentation: “Economy-Wide Frameworks for Assessment of National Energy Options.”

European Commission DG Research and Innovation (October 2019; Brussels, Belgium). Meeting on National Energy Options.

Toyota Workshop (October 2019; Cambridge, MA, USA). Presentation: “Global Electrification of Light-Duty Vehicles: Impacts of Economic and Climate Policy.”

Compañía General de Combustibles S.A. - Corporacion America (October 2019; Buenos Aires, Argentina). Presentation: “Energy and Climate in the 21st Century.”

Oil and Gas Climate Initiative (September 2019; New York, NY, USA). Presentation: “Decarbonization of transportation.”

Global Energy Crossroads (September 2019; Citigroup, Singapore). Presentation: “Role of Coal in India's Energy Mix.”

Strategic Energy Modeling Program (August 2019; Universidad de Chile, Santiago, Chile). Presentation: “Projecting Energy and Climate for the 21st Century.”

Snowmass Workshop on Rapid System Transitions to Low Greenhouse Futures (July 2019; Snowmass, Colorado, USA). Presentation: “Use of Scenarios for Climate-Related Financial Risk Assessment.”

GTAP Conference on Global Economic Analysis (June 2019; Warsaw, Poland). Presentation: “The Role of Industrial Carbon Capture and Storage (CCS) in Emission Mitigation.”

MIT Energy Initiative Symposium (June 2019; Cambridge, MA, USA). Presentation: “Hydrogen and Other Energy Carriers in Low-Carbon Pathways.”

Energy Initiatives Workshop on Unknowns 2020s: Global Energy and Oil Market Crossroad (April 2019; Vienna, Austria). Presentation: “China Energy Demand as the Main Global Puzzle.”

CERAWeek (March 2019; Houston, TX, USA). Presentation: “Projecting Energy and Climate for the 21st Century.”

HSBC-MIT Climate Risk Workshop (February 2019; New York, NY, USA). Presentations: “Decarbonizing Power Generation”, “Decarbonizing Transport”.

International Research Conference on Carbon Pricing (February 2019; New Delhi, India). Presentation: “Lessons from Carbon Pricing Design and Implementation”.

Iberdrola S.A. (January 2019; Madrid, Spain). Presentation: “COP-24: Pathways to Paris”.

COP-24 (December 2018; Katowice, Poland). Presentations: “Policy, environmental, and technological innovations to balance the energy trilemma”, “Hard to decarbonize sectors”, “Pathways to Paris: Technology and Policy Options for Latin America and ASEAN”.

Workshop on Climate-Related Disclosure: Making it Work for Companies and Investors (November 2019; Harvard Law School, Cambridge, MA, USA).

Institute of Energy and Finance Workshop (October 2018; Moscow, Russia). Presentation: “Impacts of the Paris Agreement on Russian Economy”.

Far East Branch of Russian Academy of Sciences Workshop (October 2018; Vladivostok, Russia). Presentation: “Projecting Energy and Climate: Impacts of the Paris Agreement on Russian Economy”.

Workshop on Our Future Climate - Understanding the Spread of Physical Risk for the Oil and Gas Industry (September 2018; BP Upstream Learning Center, Sunbury, UK). Presentation: “Emission Scenarios for the 21st Century”.

Snowmass Workshop on Pathways to Low Greenhouse Futures (July 2018; Snowmass, Colorado, USA). Presentation: “Representing technology deployment barriers in integrated assessment models”.

Skolkovo Institute of Science and Technology (June 2018; Moscow, Russia). Presentation: “Finding itself in the post-Paris world: Russia in the new global energy landscape”.

GTAP Conference on Global Economic Analysis (June 2018; Cartagena, Colombia). Presentation: “Finding itself in the post-Paris world: Russia in the new global energy landscape”.

Energy-at-Scale (June 2018, Massachusetts Institute of Technology; Cambridge, MA, USA). Presentation: “Reducing Emissions in Transportation”.

France-MIT Climate Program (May 2018, Sorbonne University; Paris, France). Presentation: “Integrated Global System Modeling”.

ExxonMobil Research and Engineering (May 2018; Annandale, New Jersey, USA). Presentation: “Projecting Energy and Climate for the 21st Century”.

Low Carbon Transformation and Sustainable Development (April, 2018; Technical University - Berlin; Berlin, Germany). Presentation: “Projecting Energy and Climate for the 21st Century”.

MIT Global Change Forum: Science-Based Targets: Rationale and Challenges (March 2018; Cambridge, MA, USA). Presentation: “Sectoral Emission Reduction Targets and Technology Options”.

Norwegian University of Science and Technology (February 2018; Trondheim, Norway). Presentation: “The Role of Natural Gas in the Future Energy System”.

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OAS-GE-MIT Workshop (December 2017; Buenos Aires, Argentina). Presentation: “Pathways to Paris: Latin America”.

Higher School of Economics Workshop (November 2017; National Research University Higher School of Economics; Moscow, Russia). Presentation: “Finding Itself in the Post-Paris World: Russia in the New Global Energy Landscape”.

ACE-GE-MIT Workshop (September 2017; Manila, The Philippines). Presentation: “Pathways to Paris: ASEAN”.

Stockholm Environment Institute (July 2017; Stockholm, Sweden). Presentation: “Projecting Energy and Climate for the 21st Century”.

Workshop on Long-Term Projections of Energy Production and Exports (June 2017; The Analytical Center for the Government of Russian Federation; Moscow, Russia). Presentation: “Russia in the Post-Paris World: New Energy Landscape?”

GTAP Conference on Global Economic Analysis (June 2017; West Lafayette, IN, USA). Presentation: “Bioenergy with carbon capture and storage: key issues and major challenges”.

Energy-Economic Modeling Workshop (April 2017, US Department of Energy – Office of Fossil Energy; Washington, DC, USA). Presentation: “Representing Carbon Capture and Storage in the MIT EPPA Model”.

MIT Global Change Forum: New Challenges in Global Change Research (March 2017; Warrenton, VA, USA). Presentation: “Energy and Research Challenges”.

Gazprom (March 2017; St. Petersburg, Russia). Presentation: “Scenarios of Global Change: Integrated Assessment of Energy”.

Oil and Geopolitics: Understanding the Altered Context (March 2017, Finnish Institute of International Affairs, World Energy Council, and The Parliament of Finland; Helsinki, Finland). Presentation: “Energy and the New U.S. Administration”.

International Institute for Applied Systems Analysis (IIASA) (February 2017; Laxenburg, Austria). Presentation: “Projecting Energy and Climate for the 21st Century: MIT Joint Program Outlook”.

ExxonMobil Research and Engineering (January 2017; Annandale, New Jersey, USA). Presentation: “Representing Technologies and Their Costs in Energy-Economic Models”.

Korea Electric Power Corporation (December 2016; Seoul, Korea). Meeting on Climate Policies.

J-Power (November 2016; Tokyo, Japan). Presentation: “Climate Mitigation Policies”.

MIT Center for Energy and Environmental Policy Research (CEEPR) Workshop (November 2016; Cambridge, MA, USA). Presentation: “Oil and Gas: Understanding the Changed Context”.

International Transport Energy Modeling (ITEM) Workshop (October 2016, Chalmers University of Technology; Goteborg, Sweden). Presentation: “Reducing CO₂ from private transportation in the EU and the macroeconomic feedback”.

Norwegian Ministry of Petroleum and Energy (October 2016; Oslo, Norway). Presentation: “MIT Outlook for the 21st Century: Emphasis on Energy and Climate”.

Energy Transition Strategy Workshop (October 2016, Norwegian University of Science and Technology; Trondheim, Norway). Presentation: “Natural Gas: Energy Transition and Energy Geopolitics”.

Predicting the Unpredictable: Handling Uncertainty in Energy Economics and Management (September 2016, EnBW AG and European School of Management and Technology; Berlin, Germany). Presentation: “Addressing Uncertainty in Integrated Assessment Modeling”.

ConocoPhillips (July 2016; Houston, TX, USA). Presentation: “Climate Mitigation Policies”.

Ecomod 2016 Conference (July 2016; Lisbon, Portugal). Presentation: “Energy Scenarios: The Value and Limits of Scenario Analysis”.

MIT Global Change Forum: Corporate Strategy and Climate Change (June 2016; Cambridge, MA, USA). Program Sponsors Meeting Presentation: “China Energy and Economic Directions” and Forum Presentation “Future Directions in Energy”.

Statoil ASA (May 2016; Oslo, Norway). Presentations: “Prospects for Advanced Energy Technologies” and “Projecting Energy and Climate for the 21st Century”.

Institute of Economics of Academy of Sciences of Belarus (April 2016; Minsk, Belarus). Presentation: “CGE Modeling for Energy and Economic Analysis”.

Belarusian State University (April, 2016; Minsk, Belarus). Presentation: “University-Industry Interactions: MIT Experience”.

ENI Workshop (March 2016, Eni S.p.A.; Milan, Italy). Presentation: “Projecting Energy and Climate for the 21st Century: Energy Scenarios, Energy Geopolitics, and Impacts of the Paris Agreement (COP-21)”.

IEFE – Center for Research on Energy and Environmental Economics and Policy (March 2016, Bocconi University; Milan, Italy). Presentation: “Energy Scenarios: The Value and Limits of Scenario Analysis”.

MIT Center for Energy and Environmental Policy Research (CEEPR) Workshop (November 2015; Cambridge, MA, USA). Presentation: “Scenarios, Uncertainty, and Decision Support Tools for Climate Policy”.

MIT Energy for Human Development Group (November 2015; Cambridge, MA, USA). Presentation: “Projecting Energy and Climate for the 21st Century: Challenges and Opportunities for Developing Countries”.

MIT Carbon Sequestration Forum (October 2015; Cambridge, MA, USA). Presentation: “Carbon Capture and Storage (CCS) and Climate Change Mitigation Portfolio”.

MIT Global Change Forum (October 2015; Muldersdrift, South Africa). Presentation: “Energy in a Carbon-Constrained World”.

Global 2015: Nuclear Fuel Cycle for a Low-Carbon Future (September 2015, Palais des Congress; Paris, France). Presentation: “The Future of Nuclear Power in China: Long-Term Scenarios”.

Sabanci University (September 2015, Sabanci University Istanbul International Center for Energy and Climate; Istanbul, Turkey). Presentation: “Economics and Geopolitics of Natural Gas”.

U.S. Energy Association (June 2015; Washington, DC, USA). Presentation: “Projecting Energy and Climate for the 21st Century: MIT Joint Program Outlook”.

GTAP Conference on Global Economic Analysis (June 2015; Melbourne, Australia). Presentation: “Emission Trading versus Government Regulations: The Example of Reducing CO₂ from Cars in the EU”.

European Energy Market Conference (May 2015; Lisbon, Portugal). Presentation: “Economics and Geopolitics of Natural Gas: Pipelines versus LNG”.

Land and Water Resources: Looking into the Future (April 2015; Cambridge, MA, USA). Presentation: “Bridging the Key Science and Socio-Economic Elements”.

Unconventional Oil and Gas: Price Impacts and Geopolitical Implications (April 2015, MIT Center for Energy and Environmental Policy Research and MIT Energy Initiative, Cambridge, MA, USA). Presentation: “Geopolitics of “The Eurasia Stream”.

Conference on CO₂ Regulation of Cars (February 2015, Adam Opel AG and The Representation of the State of Hessen to the EU; Brussels, Belgium). Presentation: “CO₂ Emissions, Energy, and Economic Impacts of CO₂ Mandates for New Cars in Europe”.

Workshop on The Future of the EU ETS – What Place for the Transport Sector? (February 2015, Center for International Relations; Warsaw, Poland). Presentation: “Reducing Emissions in Transport Sector: Regulations versus Emissions Trading”.

Gaidar Forum (January 2015; Moscow, Russia). Presentation: “Low-Carbon Russia: Myth or Reality?”

MIT Center for Energy and Environmental Policy Research (CEEPR) Workshop (November 2014; Cambridge, MA, USA). Presentation: “The New Geopolitics of Oil and Gas”.

MIT Workshop on the Grand Ethiopian Renaissance Dam (November 2014; Cambridge, MA, USA). Discussion on Presentation: “Economy-Wide Impacts on Ethiopia and Egypt”.

MIT Global Change Forum (October 2014; Cambridge, MA, USA). Presentation: “Technology Options in Power Generation”.

The Cyprus Institute (September 2014; Nicosia, Cyprus). Presentation: “Long-term Outlook for the World Energy and Climate”.

East Mediterranean Gas Conference (September 2014; Paphos, Cyprus). Presentation: “Natural Gas Trade: Evolving Opportunities”.

Lockheed Martin – MIT Workshop (August 2014; Cambridge, MA, USA). Presentation: “Helping the Future Arrive”.

Latin American Modeling Project (April 2014; Bogota, Colombia). Presentation: “Results from MIT EPPA model”.

Murphy Oil (April 2014; Houston, TX, USA). Presentation: “MIT Joint Program: Long-term projections of oil and gas”.

Veolia (March 2014; Paris, France). Presentation: “The Future of Global Water Stress: An Integrated Assessment”.

EPA Workshop (March 2014, U.S. Environmental Protection Agency; Washington, DC, USA). Presentation: “Biofuels, Land Use, and Emissions - results from the MIT EPPA model”.

Gaidar Forum (January 2014; Moscow, Russia). Presentations: “Shale Gas "Revolution": Impacts on International Trade and GHG Emissions” and “GHG Emissions Projection: Russia in a Global System”.

Cyprus Institute-MIT Workshop on Natural Gas (November 2013; Nicosia, Cyprus). Presentation: “Economics of Natural Gas: Export Options for Cyprus”.

Moscow State Institute of International Relations (MGIMO) Seminar (October 2013; Moscow, Russia). Presentation: “Long-Term Energy and Climate Outlook: Where Does the Current Path Lead Us?”

Latin American Modeling Project (October 2013; Bariloche, Argentina).

EU Energy Modeling Workshop (July 2013; Athens, Greece).

Workshop on Natural Gas in Cyprus (July 2013, Cyprus Institute; Paphos, Cyprus). Presentation: “Options for Natural Gas Monetization”.

IPCC AR5 Lead Authors Meeting (July 2013, Intergovernmental Panel on Climate Change; Addis Ababa, Ethiopia).

MIT-ENI Workshop (June 2013, Eni S.p.A.; Milan, Italy). Presentation: “Shale gas in China”.

Tsinghua-MIT China Energy and Climate Project Workshop (June 2013, Tsinghua University; Beijing, China). Presentation: “Shale gas in China: Can we expect a revolution?”

GTAP Conference on Global Economic Analysis (June 2013, Shanghai University of International Business and Economics, Shanghai Academy of Social Sciences, China Investment Corporation; Shanghai, China). Presentation: “Shale gas in China: Can we expect a revolution?”

XXXV MIT Global Change Forum, Sponsors Meeting (June 2013; Cambridge MA, USA). Presentation: “Natural Gas and the Climate Issue”.

The World Bank Seminar (December 2012, The World Bank, Ministry of Environment of Poland, Ministry of Finance of Poland, Ministry of Economy of Poland; Warsaw, Poland). Presentation: “Energy-Economic Modeling Frameworks for Climate Policy Analysis”.

European Energy Modeling Forum (October 2012, DIW; Berlin, Germany). Presentation: “Costs of Emission Mitigation in the EU EMF28”.

CLP Holdings Seminar (October 2012; Hong Kong). Presentation: “Impacts of Shale Gas on International Trade in Natural Gas”.

National Climate Change Secretariat (October 2012, Prime Minister's Office; Singapore).

XXXIV MIT Global Change Forum (September 2012; Banff, Alberta, Canada). Presentation: “Emerging Petroleum Resources and Potential Carbon Policy”.

Climate Policy Outreach Final Conference (September 2012, FEEM; Venice, Italy). Presentations: “Emerging Petroleum Resources and China's Demand for Fossil Fuels” and “Energy and Climate Policy in the United States”.

GTAP Conference on Global Economic Analysis (June 2012, The World Trade Organization; Geneva, Switzerland). Presentation: “The Role of China in Mitigating Climate Change”.

World Forum on Energy Regulation (May 2012; Quebec City, Canada). Presentation: “Global Supply and Demand for Natural Gas”.

University of Sao Paulo (April 2012; Sao Paulo and Ribeirao Preto, Brazil). Presentation: “Measuring the Economic Impacts of Low Carbon Economies: Results from the EPPA Model”.

BNDES - Brazil Development Bank (April 2012; Rio de Janeiro, Brazil). Presentation: "Measuring the Economic Impacts of Low Carbon Economies: Results from the EPPA Model".

New Economic School Public Seminars Series (April 2012; Moscow, Russia). Presentation: "Russian energy export revenue: impacts of shale gas, LNG, and climate policy".

Sabanci University Energy and Security Workshop (March 2012; Istanbul, Turkey). Presentation: "Global Supply and Demand for Natural Gas".

MIT Europe Energy Conference (March 2012; Rome, Italy). Presentation: "Global Supply and Demand for Natural Gas".

IPCC AR5 Lead Authors Meeting (March 2012, Intergovernmental Panel on Climate Change; Wellington, New Zealand).

European Energy Modeling Forum (March 2012; Utrecht, The Netherlands).

Briefing for Policy Makers of Russian Federation (December 2011; Moscow, Russia). Presentation: "Russian energy export revenue: impacts of shale gas, LNG, and climate policy".

Expert Workshop on Energy and Climate Change Modeling (November 2011; Seoul, South Korea). Presentation: "Climate Change and Energy in Asia".

MIT Center for Energy and Environmental Policy Research (CEEPR) Workshop (November 2011; Boston, MA, USA). Presentation: "Global Supply and Demand for Natural Gas".

MIT Energy Initiative 2011 Fall Conference (October 2011, Massachusetts Institute of Technology; Cambridge, MA). Presentation: "Global Gas Markets and Implications".

IMF Workshop on Fiscal Policy and Climate Mitigation (September 2011, International Monetary Fund; Washington DC, USA). Presentation: "Emissions Pricing to Stabilize Global Climate".

IPCC AR5 Lead Authors Meeting (July 2011, Intergovernmental Panel on Climate Change; Changwon, South Korea).

GTAP Conference on Global Economic Analysis (June 2011, Fondazione Eni Enrico Mattei (FEEM) and Ca' Foscari University of Venice; Venice, Italy). Presentation: "Russia's Natural Gas Export Potential up to 2050".

General Equilibrium Modeling of Climate and Energy Impacts and Policies (April 2011, Bocconi University; Milan, Italy). Presentation: "The Role of Natural Gas in a Carbon Constrained World".

Asian Modeling Exercise - The Role of Asia in Mitigating Climate Change (March 2011; Xi'an, China). Presentation: "The Role of China in Mitigating Climate Change".

SAE 2011 Government/Industry Meeting (January 2011; Washington, DC, USA). Presentation: "Should an Economy-Wide Carbon Policy be Combined with a Vehicle Fuel Economy Standard? Implications for Vehicles, Fuels, the Economy, and Environment".

MIT Center for Energy and Environmental Policy Research (CEEPR) Workshop (December 2010; Cambridge, MA, USA). Presentation: "Natural Gas Markets".

XXI MIT Global Change Forum: Confronting Domestic and Global Climate Strategies (October 2010; Brussels, Belgium). Program Sponsors Meeting Presentation: "Natural Gas Study and Implications for Climate Policy".

3rd International Conference Energetika XXI: Economy, Policy, Ecology (October 2010, Gazprom and St. Petersburg State University of Economics and Finance; St. Petersburg, Russia). Presentation: "Russia's Natural Gas Exports with and without Climate Change Policy".

Systematic Analysis of Climate Resilient Development (October 2010, World Institute for Development Economics Research of the United Nations University (UNU-WIDER) and International Food Policy Research Institute (IFPRI); Washington, DC, USA). Presentation: "Global Modeling and World Prices".

MIT-IEEJ Energy and Global Change Workshop: Looking to the Future (September 2010, Institute of Energy Economics of Japan, Keidanren Kaikan; Tokyo, Japan). Presentations: "Asian Energy Supply and Demand Forecasts" and "Coal Sector with and without Carbon Capture".

Asian Modeling Forum (September 2010, Korea Environment Institute; Seoul, South Korea). Presentation: "Baseline Projections: Results from the EPPA Model".

International Conference on Economic Modeling (July 2010, Istanbul Bilgi University, Central Bank of the Republic of Turkey, The World Bank; Istanbul, Turkey). Presentation: "Russia's Natural Gas Export Potential up to 2050".

GTAP Conference on Global Economic Analysis (June 2010, UN Economic and Social Commission for Asia and the Pacific and Asian Development Bank; Penang, Malaysia). Presentation: "The Role of Natural Gas under Carbon Constraints".

Asian Modeling Forum (March 2010, Tsinghua University; Beijing, China). Presentation: "Growth and Emissions: Results from the EPPA Model".

Climate Change Policy: U.S. and Post-Copenhagen (January 2010, Bank of America Merrill Lynch; London, United Kingdom). Presentation: "Cap-and-Trade Systems and Renewable Energy".

BP-MIT Conversion Research Program (January 2010, BP; Sunbury, United Kingdom). Technical Review Meeting.

Seminar at the International Graduate School of Business and Management of Technology of Belarusian State University (November 2009, Belarusian State University; Minsk, Belarus). Presentation: "Economic Modeling of Energy and Environment".

GTAP Conference on Global Economic Analysis: Trade Integration and Sustainable Development - Looking for an Inclusive World (June 2009, Economic Commission for Latin America and the Caribbean; Santiago, Chile). Presentation: "Russia and the World Energy Markets: Long-Term Scenarios".

E.On Executive Program: Leading Innovation and Growth (October 2008, E.On Academy and MIT Sloan Executive Education; Dedham, MA, USA). Presentation: "Russian Perspective: Recent Developments and Long-Term Projections of Energy Markets".

Energy Modeling Forum Transition Policy Group (September 2008, Stanford University and International Institute for Applied Systems Analysis (IIASA); Laxenburg, Austria), Presentation: "U.S. Transition Scenarios: EPPA Results".

GTAP Conference on Global Economic Analysis: The Future of Global Economy (June 2008, Government Institute for Economic Research (VATT) and United Nations University - WIDER; Helsinki, Finland), Presentation: "Incorporating Household Transportation Sector into a General Economic Equilibrium Model: Implications for Climate Policy".

Jeddah Environmental Forum (April 2008, Jeddah Chamber of Commerce and Industry; Jeddah, Saudi Arabia), Presentation: “Energy Supply, Energy Demand, and Challenges of Climate Change”.

India and China’s Role in International Trade and Finance and Global Economic Governance (December 2007, Indian Council for Research on International Economic Relations, Konrad-Adenauer-Stiftung, and International Monetary Fund; Delhi, India), Presentation: “China and India in Energy Markets and Its Implications for Global Greenhouse Gas Emissions”.

Potential Climate Impacts (November 2007, Shell International B.V; The Hague, The Netherlands), Presentation: “Economic and Climate Studies Using the MIT Integrated Global System Model”.

Energy and Environmental Modeling (September 2007, Ecomod, Academy of the National Economy under the Government of Russian Federation, and Institute for the Economy in Transition; Moscow, Russia), Presentation: “Long-Term Energy Scenarios for Asia”.

Climate Policy Network Meeting (March 2007, Zentrum fur Europaische Wirtschaftsforschung (ZEW); Mannheim, Germany), Presentation: “Cost of Climate Stabilization in Computable General Equilibrium Models (based on the U.S. Climate Change Science Program Synthesis and Assessment Product 2.1.a)”.

Macroeconomic Models of Uzbekistan (September 2006, United Nations Development Programme, Tashkent, Uzbekistan). Presentation: “Aggregated Version of CGE Model for Uzbekistan: Taxation and International Trade” (with M. Light).

GTAP Conference on Global Economic Analysis: Multilateralism, Bilateralism, and Development (June 2006, United Nations Economic Commission for Africa; Addis Ababa, Ethiopia). Presentation: “Incorporating Climate Change Feedbacks into a General Economic Equilibrium Model”.

XXIV MIT Global Change Forum (January 2006, Coral Gables, Florida, USA). Presentation: “Ongoing Stabilization Scenario Exercises: New Scenarios for the U.S. Climate Change Science Program”.

Climate Policy Network Meeting (September 2005, Chia Laguna, Sardinia, Italy). Presentation: “Incorporating Climate Change Feedbacks into the EPPA model”.

European Geosciences Union General Assembly (April 2005, Vienna, Austria). Presentation: “Uncertainty in Emissions Projections in the MIT Integrated Global System Model”.

Conference of the International Society for Environmental Epidemiology: Addressing Urban Environmental Problems (August 2004, New York University, New York, USA), Presentation: “Air Pollution Health Effects: Toward an Integrated Assessment”.

International Conference on Policy Modeling (July 2004, Universite Paris I - Pantheon Sorbonne; Paris, France). Presentation: “Air Pollution Health Effects: Toward an Integrated Assessment”.

GTAP Conference on Global Economic Analysis: Trade, Poverty, and the Environment (June 2004, The World Bank; Washington DC, USA). Presentation: “Disaggregating Household Transport in the MIT-EPPA Model”.

Purchasing-Power-Parity vs Market-Exchange-Rate Workshop (February 2004, Stanford University, Australian Greenhouse Gas Office, and U.S. Environmental Protection Agency; Palo Alto, USA), Participant.

The Economic Consequences of Alternative Pension Policies (February 1999, Asian Development Bank, International Management and Communication Corporation, Social Fund of Kyrgyz Republic; Bishkek, Kyrgyzstan). Presentation: "Structure and uses of PROST".

Economic Transformation in Russia: Views of a New Generation (May 1997, International Research and Exchanges Board (IREX), New Economic School, United States Information Agency; Moscow, Russia). Participant.

Business Training for Multinational Corporations (January-February 1997, ACTR/ACCELS, U.S.-Russia Business Forum, United States Information Agency; St. Petersburg, Russia). Participant.

Higher Education: State and Perspectives (December 1995, The Ministry of Education and Science of the Republic of Belarus and The Republican Institute of Higher School and Humanities; Minsk, Belarus). Presentation: "Project of the Masters Program in Economics and Management of Technology".

Central Asia's Economies in Transition (July 1995, The Economics Institute, The United States Agency for International Development and Academy for Educational Development; Boulder, USA). Symposium Director.

Contemporary Russia: Myth and Reality (April 1995, The University of Colorado at Denver and The National Endowment for the Humanities; Denver, USA). Presentation: "Pace of the Economic Reform in Belarus".

The Transition to a Market Economy in the Central Asian Republics of Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan (December 1994, The Economics Institute; Boulder, USA). Chairman of the Session.