

Jessica Jewell

Chalmers University of Technology
Gothenburg, Sweden
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Department of Space, Earth and Environment
Division of Physical Resource Theory
[ORCID](#) | Twitter: [@jessicadjewell](#)

EDUCATION

- 2013 Ph.D. (*summa cum laude*) in Environmental Sciences and Policy, Central European University (CEU), Budapest.
- 2009 M.Sc. (*distinction*) in Environmental Sciences, Policy and Management, Lund University, University of Manchester and CEU
- 2004 B.A. (*with honors*) in Geological Sciences, Brown University

PROFESSIONAL APPOINTMENTS

- 2021-pres. Associate Professor, Department of Space, Earth and Environment, Division of Physical Resource Theory, Chalmers University, Sweden
- 2020-pres. Professor (20%), Centre for Climate and Energy Transformations & Department of Geography, University of Bergen, Norway
- 2019-pres. Guest Research Scholar, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 2019-2021 Assistant Professor (FoAss), Department of Space, Earth and Environment, Division of Physical Resource Theory, Chalmers University, Sweden
- 2017-2020 Associate Professor (20%), Centre for Climate and Energy Transformations & Department of Geography, University of Bergen, Norway
- 2013-2019 Research Scholar, IIASA, Energy Program, Laxenburg, Austria
- 2011-2013 Research Assistant, IIASA, Energy Program, Laxenburg, Austria
- 2011 Research Assistant, International Energy Agency, Energy Security and Markets, Paris, France
- 2006-2007 Geologist, Haley & Aldrich, McLean, USA

PUBLICATIONS

Publication Summary and Bibliometrics

Total: 32 peer-reviewed articles, 2 editor-reviewed articles, 6 book chapters & 8 policy reports
Nature (3 times), *Nature Energy* (3 times), *Nature Climate Change* (2 times)

[GoogleScholar](#): h-index 29, citations 3900. [Scopus](#): h-index 21, citations 1700.

Peer-reviewed Articles

- 2021 Brutschin, E., Cherp, A., **Jewell, J.** (2021). Failing the formative phase: The global diffusion of nuclear power is limited by national markets. *Energy Research & Social Science*, **80**, 102221. [doi](#).
- 2021 Cherp, A., Vinichenko, V., Tosun, J., Gordon, J., **Jewell, J.** National growth dynamics of wind and solar power compared to the growth required for global climate targets. *Nature Energy*. **6**, 742-754. [doi](#).

- 2021 Pai, S., Emmerling, E., Drouet, L., Zerriffi, H. **Jewell, J.** Meeting well-below 2°C target would increase energy sector jobs globally. *One Earth*. **4**, 7. [doi](#).
- 2021 Brauers, H., Braunger, I., **Jewell, J.** Liquefied natural gas expansion plans in Germany: the risk of gas lock-in under energy transitions, *Energy Research & Social Science*. **78**, 102059. [doi](#).
- 2020 Kuzemko, C., Bradshaw, M., Bridge, G., Goldthau, A., **Jewell, J.**, Overland, I., Scholten, D., van de Graaf, T., Westphal, K. Covid-19 and the politics of sustainable energy transitions, *Energy Research & Social Science*. **68**, 101685. [doi](#).
- 2020 Pai, S., Zerriffi, H., **Jewell, J.** Pathak, J. Solar has greater techno-economic resource suitability than wind for replacing coal mining jobs. *Environmental Research Letters*. [doi](#).
- 2020 **Jewell, J.**, Emmerling, J., Vinichenko, V., Bertram, C., Berger, L., Daly, H. E., Keppo, I. et al. Reply to: Why fossil fuel producer subsidies matter. *Nature*. **578**, 7793, E5-E7. [doi](#).
- 2020 **Jewell, J.**, Cherp, A. On the political feasibility of climate change mitigation pathways: Is it too late to keep warming below 1.5°C? *WIREs Climate Change*. **11**, e:621. [doi](#).
- 2019 **Jewell, J.** Debating the bedrock of climate-change mitigation scenarios: Clarifying the role of IAMs. *Nature*, **573**, 349. [doi](#). (editor-reviewed)
- 2019 **Jewell, J.**, Vinichenko, V., Nacke, L. & Cherp, A. Prospects for powering past coal. *Nature Climate Change*, **9**, 592-597. [doi](#).
- 2019 **Jewell, J.**, Vetier, M., & Garcia-Cabrera, D. The international technological nuclear cooperation landscape: A new dataset and network analysis. *Energy Policy*, **128** (May), 838–852. [doi](#).
- 2018 **Jewell, J.**, McCollum, D., Emmerling, J., Bertram, C., Gernaat, D. E. H. J., Krey, V., et al. Limited emission reductions from fuel subsidy removal except in energy-exporting regions. *Nature*, **554** (7691), 229–233. [doi](#)
- 2018 Cherp, A., Vinichenko, V., **Jewell, J.**, Brutschin, E., & Sovacool, B. K. Integrating techno-economic, socio-technical and political perspectives on national energy transitions: A meta-theoretical framework. *Energy Research & Social Science*, **37**, 175–190. [doi](#)
- 2017 Cherp, A., Vinichenko, V., **Jewell, J.**, Suzuki, M., & Antal, M. Comparing electricity transitions in Germany and Japan: A historical analysis of nuclear, wind and solar power in Germany and Japan. *Energy Policy*, **101**, 612–628. [doi](#)
- 2016 McCollum, D. L., **Jewell, J.**, Krey, V., Bazilian, M., Fay, M., & Riahi, K. Quantifying uncertainties influencing the long-term impacts of oil prices on energy markets and carbon emissions. *Nature Energy*, 16077. [doi](#)
- 2016 **Jewell, J.**, Vinichenko, V., McCollum, D., Bauer, N., Riahi, K., Aboumahboub, T., Fricko, O., Harmsen, M., Krey, V., Kober, T., Marangoni, G., Tavoni, M., van Vuuren, D., van der Zwaan, B., Cherp, A. Comparison and interactions between the long-term pursuit of energy independence and climate policies. *Nature Energy*, 160703. [doi](#)
- 2016 Cherp, A., **Jewell, J.** Energy policy: Renewables targeted before Fukushima. *Nature* **533** (7601), 36. (Correspondence piece, editor-reviewed). [doi](#)
- 2016 Cherp, A., **Jewell, J.**, Vinichenko, V., Bauer, N., and De Cian, E. Global energy security under different climate policies, GDP growth rates and fossil resource availabilities. *Climatic Change*, **136**, 83-94. [doi](#)

- 2016 Stechow, von, C., Minx, J. C., Riahi, K., **Jewell, J.**, McCollum, D. L., Callaghan, M. W., et al. 2 °C and SDGs: united they stand, divided they fall? *Environmental Research Letters*, 11 (3), 1–15. [doi](#)
- 2015 Stechow, von, C., McCollum, D., Riahi, K., Minx, J. C., Kriegler, E., van Vuuren, D. P., **Jewell, J.** et al. Integrating Global Climate Change Mitigation Goals with Other Sustainability Objectives: A Synthesis. *Annual Review of Environmental Resources*, 40, 363-394. [doi](#)
- 2015 **Jewell, J.** Ates, S. Introducing nuclear power in Turkey: A historic state strategy and future prospects. *Energy Research & Social Science*, 10, 273-282. [doi](#)
- 2015 Tavoni, M., Kriegler, E., Riahi, K., van Vuuren, D., Aboumahboub, Bowen, A., A., Calvin, K., Campiglio, E., Kober, T., **Jewell, J.**, Luderer, G., Marangoni, G., McCollum, D., van Sluisveld, M., Zimmer, A., van der Zwaan, B. “Post-2020 climate agreements in the major economies assessed in the light of global models.” *Nature Climate Change*, 5, 119-126. [doi](#)
- 2014 Cherp, A., **Jewell, J.** The concept of energy security: beyond the four A’s. *Energy Policy*, 75, 415-421. [doi](#)
- 2014 **Jewell, J.**, Cherp, A. and Riahi, K. Energy security under de-carbonization scenarios: an assessment framework and evaluation under different technology and policy choices. *Energy Policy*, 65, 743-760. [doi](#)
- 2014 Leung, G., Cherp A., **Jewell, J.** and Wei, F. Securitization of energy supply chains in China. *Applied Energy*, 123, 316-326. [doi](#)
- 2013 **Jewell, J.**, Cherp, A., Vinichenko, V., Bauer, N., Kober, T., McCollum, D., van Vuuren, D. and van der Zwaan, B. Energy security of China, India, the E.U. and the U.S. under long-term scenarios: Results from six IAMs. *Climate Change Economics*, 4 (4), 1340011. [doi](#)
- 2013 Tavoni, M., Kriegler, E., Aboumahaboub, T., Calvin, K., De Maere, G., **Jewell, J.**, Kober, T., Lucas, P. Luderer, G., McCollum, D., Marangoni, G., Riahi, K. and van Vuuren, D. The distribution of the major economies’ effort in the Durban platform scenarios. *Climate Change Economics* 4 (4), 1340009. [doi](#)
- 2011 Cherp, A. and **Jewell, J.** Three perspectives on energy security: intellectual history, disciplinary roots and the potential for integration. *Current Opinions in Environmental Sustainability*, 3 (4), 202-212. [doi](#)
- 2011 **Jewell, J.** Ready for nuclear?: An assessment of capacities, imperatives, and uncertainties for launching new national nuclear power programs. *Energy Policy*, 39, 1041-1055. [doi](#)
- 2011 **Jewell, J.** A nuclear-powered North Africa: Just a desert mirage or is there something on the horizon? *Energy Policy*, 39, 4445-4457. [doi](#)
- 2011 Cherp, A., **Jewell, J.**, and Goldthau, A. Governing global energy: Systems, transitions, and complexity. *Global Policy*, 2: 1, 75-88. [doi](#)

Book Chapters

- 2019 **Jewell, J.** and Brutschin, E. The Politics of Energy Security. In *The Oxford Handbook of Energy Politics*, edited by K. Hancock and J. Allison. Oxford UP.
- 2018 Brutschin, E. and **Jewell, J.** International political economy of nuclear energy. In *International Political Economy of Energy and Natural Resources*, edited by A. Goldthau, M. F. Keatin, and C. Kuzemko, 322-341. Edward Elgar.

- 2013 Cherp, A., and **Jewell, J.** Energy Security Assessment Framework and Three Case Studies. In *International Handbook of Energy Security*, edited by H. Dyer and M.J. Trombetta, 146-173. Edward Elgar. [doi](#)
- 2012 Cherp, A., Adenikinju, A., Goldthau, A., Hernandez, F., Hughes, L., Jansen, J.C., **Jewell, J.**, et al. Chapter 5 - Energy and Security. In *Global Energy Assessment*, 325-83. Cambridge University Press: Cambridge, UK and New York, NY, USA and the International Institute for Applied Systems Analysis: Laxenburg, Austria. [link](#)
- 2012 Riahi, K., Dentener, F., Gielen, D., Grubler, A., **Jewell, J.**, Klimot, Z., Krey, V. et al. Chapter 17 - Energy Pathways for Sustainable Development. In *Global Energy Assessment*, 1203-1306. *ibid.* [link](#)
- 2011 Cherp, A., and **Jewell, J.** Measuring Energy Security: From Universal Indicators to Contextualized Frameworks. In *The Routledge Handbook of Energy Security*, edited by B.K. Sovacool, 330-355. New York: Routledge. [link](#)

Policy Reports

- 2016 van Soest, H. , Reis, L. A. van Vuuren, D. ... **Jewell, J.** ... Regional Low-Emission Pathways from Global Models C. Milan: FEEM Working Paper No. 110.2015.
- 2015 **Jewell, J.** Can low-carbon societies deliver on energy security? In *Transition and Global Challenges Towards Low Carbon Societies*, edited by S. La Motta, J.C. Hourcade, S. Lechtenböhmer, T. Masui, J. Watson, 13-16. Rome: ENEA.
- 2015 Spencer, T., Pierfederici, R., Waisman, H., Colombier, M. ...**Jewell, J.** ...et al. *Beyond the numbers: understanding the transformation induced by INDCs*. Institute du développement durable et relation internationales, No 05/15. October.
- 2015 van Soest, H., Reis, L.A., van Vuuren, D., Bertram, C., Drouet, L., **Jewell, J.**, Kriegler, E., Luderer, G., Riahi, K., Rogelj, J., Tavoni, M., den Elzen, M.: 2015, *Regional low-emission pathways from global models*. Working Paper, Nota di Lavoro 110.2015, Italy (December).
- 2012 Nakicenovic, N., Kammen, D., **Jewell, J.** et al. *Technical report of Task Force 2 in support of doubling the global rate of energy efficiency improvement and doubling the share of renewable energy in the Global energy mix by 2030*. Sustainable Energy for All. April.
- 2012 Yumkella, K., Nakicenovic, N., Bazilian, M. and **Jewell, J.** "The sustainable energy for all initiative and climate change mitigation." *World Meteorological Bulletin*, 61:1. [link](#)
- 2011 IEA. (researched and written by **Jewell, J.** ...). *Measuring short-term energy security*. OECD/IEA: Paris. [link](#)
- 2011 **Jewell, J.** *The IEA Model of short-term energy security (MOSES): primary energy sources and secondary fuels*. OECD/IEA: Paris. [link](#)

RESEARCH LEADERSHIP & FUNDING

Total: SEK29M (€2.9M) from external funders

Co-founder and co-leader of [polet.network](#)

2021-26 Principal Investigator, European Research Council Starting Grant on MechANisms and actors of Feasible Energy Transitions (MANIFEST). €1.5M

- 2021-25 Work Package Co-leader on Non-technical feasibility in Project on MISTRA Electric Transition, funded by MISTRA (Swedish Strategic Environment Foundation). Own budget SEK3.5M; Full budget: SEK50M.
- 2020-24 Work Package Leader on Theories and Framing in Project on Carbon Intensive Regions in Transition - Unravelling the Challenges of Structural Change (CINTRAN), funded by H2020 (Own budget: €250,000; full: €3M)
- 2017-22 Principal investigator of project on [Analyzing past and future energy industry contractions](#), funded by Research Council of Norway (~€800,000)
- 2016-18 External partner in project on the Political Economy of Energy Transitions at Central European University
- 2014-5 Co-PI in knowledge network on the Politics of Energy Transitions, funded by the [International Social Sciences Council's Transformation to Sustainability Program](#) as part of the Future Earth initiative. (€30,000)
- 2013-6 Leader of task between six institutions on fossil fuel subsidies and taxes, EU Seventh Framework Programme (FP7) [ADVANCE](#) project
- 2012-4 Leader of task between seven institutions on energy security, EU FP7 [LIMITS](#) project
- 2013 Contributing author, energy security and regional climate policy spillovers, Chapters 6, 7, 10 and 14, IPCC 5th Assessment Report Working Group III
- 2008-9 Lead Author, GEA, Energy security, led the development of database of >100 energy indicators to analyze energy security of >130 countries
- 2008-9 Lead Author, GEA, Sustainable energy pathways

AWARDS AND HONORS

- 2021 Breakthrough Institute Senior Fellow
- 2020 ERC Starting Grant Recipient
- 2014 CEU Best Dissertation Award
- 2012 CEU Advanced Doctoral Student Award
- 2011 CEU Outstanding First-year Student Award
- 2010 IIASA Young Scientists Student Program Fellowship
- 2009 CEU Outstanding Academic Achievement Award
- 2009, 2005 Honorable Mention National Science Foundation Graduate Fellowship
- 2009-2013 CEU Doctoral student fellowship
- 2007-2009 Erasmus Mundus graduate fellowship

SUPERVISION

PhD Supervision

- 2021 - Main Supervisor, Avi Jakhmola, Chalmers University of Technology
- 2021 - Main Supervisor, Ridwan Dzikrurrokhim, Chalmers University of Technology
- 2021 - Main Supervisor, Tsimafei Kazlou, University of Bergen
- 2020 - Main supervisor, Lola Nacke, Chalmers University of Technology

- 2020 - Co-supervisor, Senjuty Bhowmik, Central European University
- 2019 - Co-supervisor, Moshahida Sultana, Central European University
- 2019-21 Co-supervisor, Hanna Brauers, Technical University of Berlin
- 2018-21 Co-supervisor, Sandeep Pai, University of British Columbia

Masters Students

- 2020 Co-supervisor, Lola Nacke, Central European University
- 2020 Co-supervisor, Jens Honnen, Central European University

INVITED TALKS

- 2021 Historical precedents and feasibility of rapid coal and gas decline required for climate targets, WAYS-OUT Project Meeting in Paris, September 22.
- 2021 Feasibility of energy transitions to meet climate targets, Australian National University, July 21.
- 2021 Mechanisms of energy transitions, TU Darmstadt, April 30.
- 2020 The political feasibility of coal phase-out to meet climate targets: learning from past experience, PEGASUS, Potsdam Institute for Climate Research, February 17.
- 2019 Prospects of powering past coal, Energy university-wide seminar, BOKU University, November 5.
- 2019 Prospects of powering past coal, Beyond oil conference, University of Bergen, October 16.
- 2019 Powering past coal, Potsdam Institute for Climate Research, September 3.
- 2019 The feasibility of climate targets in light of historical fossil fuel decline and pledges of fossil fuel phase out, Technical University Berlin, September 2.
- 2018 The challenge of phasing out fossil fuels: An example of fossil fuel subsidy phase out and the Powering Past Coal Alliance, Chalmers, November 27.
- 2018 Book-launch of *Energy Security in Europe: Divergent Perceptions and Policy Challenges*. University of Oslo, Oslo, April 11.
- 2017 When do policy choices drive energy transitions? Breakthrough Institute Dialogue East, Washington DC, US, November 17.
- 2017 Nuclear newcomers: Looking at history to understand the future, Center for Global Development, Washington DC, US, November 15.
- 2017 Why are energy transitions necessary and are they feasible?, Central European University, April 27.
- 2016 Bridging techno-economic and socio-political approaches to studying future energy: an example with nuclear energy, Linköping University, October 16.
- 2016 Interdisciplinary social science research on the future of nuclear energy. International workshop and seminar on Nuclear and energy from the perspective of social sciences and humanities, Collegium Civitas, Warsaw, April 7.
- 2015 Modeling energy security: Intellectual history and future prospects. Institute for Energy and Climate Research, Jülich Research Center, November 10.
- 2015 Energy security: Predictably irrational. Invited talk at Assessing the green paradox workshop. Leibniz Institute for Economic Research, University of Munich, July 3.

- 2015 The concept of energy security. Expert workshop on comprehensive energy security and conflicts. Webster University, Vienna, June 18-19.
- 2015 Connecting global climate to national energy policies: state of the art and future research agenda. University of Bergen, Norway, April 14.
- 2014 Energy security and climate mitigation: an asymmetric and transient marriage. Invited plenary presentation. Low-carbon research network annual conference, Rome, October 1.
- 2014 Energy politics: A mirror of geography or driver of change? Department of Humanities, Social and Political Sciences, ETH University, June 17.
- 2014 Energy politics: Shaping and being shaped by energy systems. Chalmers University, Physical Resource Theory Group. Gothenburg, Sweden, May 5.
- 2014 Energy security and the EU 2030 climate/energy goals: An issue of how and where. Invited talk at European Union Institute for Security Studies Workshop on: Achieving EU Energy Security in Light of the New 2030 Climate/Energy Goals, Brussels, April 10.
- 2014 The science of climate and politics of energy. Academic Council on the United Nations System. Vienna UN conference: facing changing realities: the evolution of UN policies, January 16.
- 2013 The global future of nuclear energy and newcomers: crystal ball or tarot cards. International Atomic Energy Agency, UN, Vienna, Austria, October 23.
- 2012 Taking the climate agenda to the national level. Lund University, Centre for Sustainability Studies, Lund, Sweden, November 16.
- 2011 Mind the gap: global visions and national plans. University of Maryland, Department of Public Policy, November 8.
- 2011 Energy security and climate change: tensions and synergies. Australian National University, Canberra Australia, May 11.
- 2010 Energy security under radical energy transitions. International Institute of Industrial Environmental Economics, Lund University, September 24.

POSITIONS OF TRUST

Advisory and Editorial Boards

- 2021- Editorial Board Member Oxford Open Energy
- 2020- Advisory Board Norwegian Research Council and FORMAS funded project on The Environmental Ramifications of Environmental Policy (THERAPY)
- 2019- Advisory Board Norwegian Research Council funded project assessing IMplications of temperature OverShoots for the Earth system (IMPOSE)
- 2019 Task force member, Systemic Approach to Energy in Europe, Science Advice for Policy by European Academies
- 2018- Advisory Board Member ERC-funded Project assessing the role of trade in a future renewable energy world (reFUEL)
- 2018- Editorial Board Member of Environmental Research Communications
- 2017- Advisory Board Member of Routledge Energy Transitions Series
- 2016-19 Advisory Board Member of Bioenergy CCS Swedish Energy Agency funded project

- 2015- Editorial Board Member of *Energy Research and Social Science*
- 2016 Member of Elsevier's Energy Forum

PhD Examinations

- 2018 Pre-examiner, Aalto University, Jaakko Jääskeläinen: *An interdisciplinary assessment of energy security risks in the Finnish energy market.*
- 2016 Grading committee member, Lund Technical University, Environmental and Energy Systems Studies, André Månsson, PhD defense, *Energy and Security - Exploring Renewable and Efficient Energy Systems.*
- 2016 Grading committee member, Chalmers University, Department of Physical Resource Theory, Mariliis Lehtveer, PhD defense, *Modeling Energy Systems: Assessing the role of nuclear power and large-scale intermittent renewables.*

Reviews (non-exhaustive)

Journal reviews: *Science, Nature Climate Change, Nature Energy, Climate Change, Proceedings of the National Academies of Science, Joule, One Earth, Climate Policy, Technology and Forecasting and Social Change, Energy Economics, Energy Policy, Energy Strategy Reviews, Environmental Science and Technology, the Geographical Journal, International Journal of Electrical Power and Energy Systems, International Studies Review, Energy Research and Social Science* (Best reviewer award - 2017)

Funding agencies: European Research Council, Swiss National Science Foundation external reviewer, Research Council Norway, French National Research Agency

INSTITUTIONAL LEADERSHIP AND SERVICE

- 2020- Profile coordinator for Technology Governance in Energy Transitions, Energy Area of Advance, Chalmers
- 2019 Steering group member Academia Europea (AE) knowledge hub, Bergen
- 2018 Scientific representative of Institutional Renewal Task Force, IIASA
- 2016 Internal Research Committee (elected scientific staff member), IIASA
- 2016 Moderator session on diversity with former Finnish president T. Halonen
- 2015 Staff Association Recognition Award for service related to Cultural Diversity and Building a Positive Work Environment, IIASA
- 2015 Member of the Selection Committee on the Head of HR and Secretary of Administration position, IIASA
- 2014-5 Chair of IIASA Committee on Cultural Diversity and Building a Positive Work Environment, IIASA
- 2009-11 Co-founder and co-leader of Energy Policy Research Group, CEU

TEACHING

- 2020-21 Co-developed and co-led inter-university doctoral seminar on Political Economy of Energy Transitions, 7.5 credits, CEU, University of Bergen, Chalmers.
- 2020,21 Course instructor, Sustainable Development, Chalmers.
- 2021 Course instructor, Introduction to Global Systems, Chalmers.
- 2020 Assistant examiner, Introduction to Global Systems, Chalmers.

- 2019 Interdisciplinary writing workshop, University of Bergen.
- 2014 Environmental careers. CEU.
- 2013 PhD Seminar on navigating interdisciplinary PhDs and careers, CEU.
- 2013 Invited lecture for MSc students on global energy challenges, CEU.
- 2013 Academic writing seminar for PhD summer students, IIASA.
- 2010 Teaching assistant. Strategic Environmental Assessment, CEU.
- 2004-5 Teaching assistant. Introduction to Earth Systems and Geology, Pennsylvania State University, US.

PEDAGOGICAL SUPERVISION AND LEADERSHIP COURSES

- 2020 University teaching and learning (2.5 hp)
- 2020 Supervising research students (3.0 hp)
- 2020 Diversity and inclusion for learning in higher education (2.0 hp)
- 2020 Enhancing learning through writing (5.0 hp)
- 2020 Theoretical perspectives on learning (2.5 hp)
- 2020-21 Chalmers leadership program

CONFERENCES AND WORKSHOPS

- 2020 Political Feasibility of Energy Transitions: Assessment Framework and Case-Studies. European Consortium for Political Research, August 25-28.
- 2020 Socio-political feasibility of renewable electricity expansion. (co-author) European Consortium for Political Research, August 25-28.
- 2020 Delayed introduction of wind and solar power on technology periphery is not compensated by faster growth. (co-author). International Sustainability Transitions, August 18-21.
- 2020 Feasibility of climate targets in light of historical experience of fossil fuel decline. International Sustainability Transitions, August 18-21.
- 2020 Feasibility of climate targets in light of historical experience of fossil fuel decline. European Associate of Environmental and Resource Economists, June 23-July 1.
- 2019 Round table member: Political Science in Energy Transition Studies: Searching for Identity between STS and Economics. European Consortium for Political Research, September 4-7.
- 2019 Panel chair: The Political Economy of Fossil Fuels phase-out. European Consortium for Political Research, September 4-7.
- 2019 The political feasibility of climate targets in light of historical experience of fossil fuel decline. (co-author). European Consortium for Political Research, September 4-7.
- 2019 A regression analysis of differences between countries where coal-based electricity supply is contracting and countries where it is growing: Evidence from 40 countries over 25 years (1990-2015). (co-author). European Consortium for Political Research, September 4-7.

- 2018 The Powering Past Coal Alliance: Dismantling Incumbents or Business as Usual Industry Aging? European Consortium for Political Research, August 22-25.
- 2015 Session organizer: Research session on Political economy of sustainable energy transitions. International Sustainability Transitions Conference, August 25-28.
- 2015 Dialogue session participant: Sustainable energy transitions as an object of political economy. International Sustainability Transitions Conference, August 25-28.
- 2015 Global visions: from planetary boundaries to national contours. International Geosphere-Biosphere Programme Scientific Symposium. IIASA, April 29.
- 2013 Energy security of China, India, the E.U. and the U.S. under long-term scenarios: Results from six IAMs. International Energy Workshop. Paris, June 19-21.
- 2012 Rapporteur for Session 1: Global Transformations: Understanding the World We Live in and its Possible Futures. International Institute for Applied Systems Analysis, World within reach: from science to Policy. Vienna, October 24-26.
- 2012 A framework for evaluating energy security under low-carbon transitions. New Energy Security Challenges Post-graduate Conference. London, May 10-11.
- 2011 Energy Security under low-carbon transitions. UK Energy Research Council summer school. Warwick, June 26 - July 2.
- 2010 Discussant. Contextualizing energy security and transition: concepts framing and empirical evidence. Standing Group on International Relations. Stockholm, September 9-11.
- 2010 Contextualizing the nuclear renaissance: Mapping different national potentials. IAEA European Conference: Energy Economy, Policies and Supply Security. Vilnius, August 25-28.
- 2010 Invited Commentator. Towards A Nuclear Renaissance? Global Public Policy Institute & Brookings Institution. Transatlantic Global Energy Governance Dialogue Series. Potsdam, Germany, March 4-5.
- 2010 Possible expansion of nuclear energy: An assessment of national capacities and imperatives for nuclear power implementation in non-nuclear countries. Sussex Energy Group Conference: Energy transitions in an interdependent World. Brighton, February 25-26.
- 2010 Possible expansion of nuclear energy: An assessment of national capacities and imperatives for nuclear power implementation in non-nuclear countries. Transatlantic Relations, Climate, and Energy Workshop. Freie University, Berlin, November 28 - December 6.
- 2009 Energy security and climate change: Can we kill two birds with one stone. Erasmus Mundus Conference on Climate Change and Higher Education. CEU, Budapest, February 26-27.

STAKEHOLDER AND POLICY ENGAGEMENT

- 2018 Stakeholder kick-off workshop for Contractions project, Bergen Norway, March 22-23.
- 2016 A look at energy subsidies and climate objectives. ADVANCE stakeholder workshop. Brussels, October 24.

- 2014 Climate policies and other energy objectives. EU Modeling workshop in preparation for Lima. DG Clima, Brussels, November 18.
- 2014 An asymmetric marriage: Climate mitigation and energy security. LIMITS stakeholder workshop. Brussels, September 26.
- 2014 Invited external expert on nuclear Newcomers, International Atomic Energy Agency: Building a national position on nuclear power, January 21-22 & June 24-26.
- 2013 Invited energy security expert to an expert round-table on Energy and Security, International Peace Institute, Vienna Austria, June 28.
- 2012 -13 Co-lead author and task force co-coordinator for the UN Sustainable Energy for All energy efficiency and renewable energy task force.
- 2011 Invited lead expert in multi-stakeholder workshop on Australia's National Energy Security Assessment, Canberra Australia, May 12-13.
- 2011 Lead of Model of Short-term Energy Security, co-created with IEA's Standing Group on Emergency Questions.

SELECTED MEDIA COVERAGE AND ONLINE PRESENCE

- 2018 Scientific American: [New study finds cutting oil subsidies will not stop climate change](#), February 8.
- 2016 ORF: [Reducing energy imports bring little for the climate](#), June 6.
- 2014 Economist: [Letter to the editor on Ukrainian energy use](#), April 26.
- 2014 The Conversation: [EU energy security is only as strong as its weakest link: the former Easter block](#), April 16.
- 2014 The Climate Bonus: [Climate policy boosts energy security](#), January 6.
- 2013 The Conversation: [Nations' nuclear ambitions not discouraged by few suppliers](#). December 11. (invited article)
- 2013 Economist.com: [Balancing Act](#), December 3. (with A. Cherp)
- 2012 Oil in Russia: Integrating views and actions, June. (with A. Antonyuk)
- 2011 NewScientist: [Dozens of countries queue up to go nuclear](#), June 24.
- 2011 Economist: [Letter to the editor on nuclear power](#), March 31. (letter with A. Cherp)