

Gernot Wagner

Senior Lecturer, Columbia Business School
Faculty Director, Climate Knowledge Initiative, Columbia Business School
Research Fellow, Centre for Economic Policy Research (CEPR)
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Curriculum Vitae

Personal

Born: 1980, Austria
Married: 2002, [Siri Nippita](#), M.D.
Children: 2011, Annan Nippita; 2013, Sonja Nippita
Citizenship: Austria and United States

Employment

Columbia Business School	New York, NY
<i>Faculty Director, Climate Knowledge Initiative</i>	2023 – present
<i>Senior Lecturer, Economics Division</i>	2022 – present
<i>Visiting Associate Professor, Finance Division</i>	Spring 2022
 New York University	 New York, NY
<i>Clinical Associate Professor, Department of Environmental Studies</i>	2019 – 2022
<i>Associated Clinical Professor, NYU Wagner School of Public Service</i>	2019 – 2022
 Harvard University	 Cambridge, MA
<i>Executive Director, Harvard’s Solar Geoengineering Research Program</i>	2017 – 2019
<i>Research Associate and Lecturer</i>	2016 – 2019
Helped raise \$12 million in effort to co-found and co-lead Harvard’s SGRP with Prof. David Keith.	
 Environmental Defense Fund	 New York, NY and Boston, MA
<i>Consultant</i>	2016 – 2019
<i>Lead Senior Economist</i>	2014 – 2016
<i>Senior Economist</i>	2013 – 2014
<i>Economist</i>	2008 – 2013
Co-led Office of Economic Policy and Analysis, member of EDF Leadership Council (2015 – 2016).	
 The Boston Consulting Group	 New York, NY
<i>Consultant</i>	2007-2008
Advised utility and financial-sector clients on energy and environmental issues in United States, Europe, and Asia.	
 Financial Times	 London, UK
<i>Peter Martin Fellow, Leader Writer Team</i>	2007
Wrote editorials on energy, environment, and economics.	

Education

Harvard University <i>Ph.D. in Political Economy and Government</i>	Cambridge, MA 2007
Harvard University <i>M.A. in Political Economy and Government</i>	Cambridge, MA 2006
Stanford University <i>M.A. in Economics</i>	Stanford, CA 2003
Harvard University <i>Joint A.B. magna cum laude with highest honors in Environmental Science and Public Policy, and Economics</i>	Cambridge, MA 2002

Working papers

[“Updating climate beliefs based on latest IPCC report points to increased willingness to act”](#)
(with Mark C. Freeman, Ben Groom, and Frikk Nesje; Columbia Business School Research Paper No. 5117613, 30 January 2025)

[“Climate shift uncertainty and economic damages”](#) (with Romain Fillon & Manuel Linsenmeier)

“Delayed renewable energy deployment pits climate tipping points against potential nuclear accidents” (with Ruipu Yang, Rong Wang, Philippe Ciais, Josep Peñuelas, Greet Janssens-Maenhout, Katsumasa Tanaka, Jordi Sardans, James Clark, Junji Cao, Yijing Wang, Xiaofan Xing, Xiajia He & Renhe Zhang; 7 July 2024; R&R at *Joule*)

“Adverse Weather Events and Mental Health: Evidence from Health Insurance Records” (with Valeriya Azarova, Martin Halla, and Gerald J. Pruckner)

“Contracts over economics: exiting fossil fuel power purchase agreements” (with Sugandha Srivastav, Abhinav Jindal, Haneesa Isaad, Windy Dewi, and Sam Fankhauser)

Publications

Books

Wagner, Gernot. [Climate Race: Collected Essays](#) (leykam, January 2024; English & German bilingual collection of 13 *Project Syndicate* columns).

Wagner, Gernot. [Geoengineering: the Gamble](#) (Polity Press, published on 24 September 2021 in the UK, 5 November 2021 in the U.S. and Canada); German: [Und wenn wir einfach die Sonne verdunkeln?](#) (oekom Verlag, 7 February 2023).

Wagner, Gernot. [Stadt, Land, Klima](#) (Chr. Brandstätter Verlag, 8 February 2021; written in German; English: *City, Country, Climate*).

Wagner, Gernot and Martin L. Weitzman. [*Climate Shock: The Economic Consequences of a Hotter Planet*](#) (Princeton University Press; 2015; paperback, 2016); Top 15 *Financial Times* McKinsey Business Book of the Year 2015; Austria's Natural Science Book of the Year 2017.

Wagner, Gernot. [*But Will the Planet Notice? How Smart Economics Can Save the World*](#) (Hill & Wang/Farrar Strauss & Giroux, 2011; paperback, 2012).

Peer-reviewed articles

Moore, Frances C., Moritz A. Drupp, James Rising, Simon Dietz, Ivan Rudik & Gernot Wagner. "[Synthesis of evidence yields high social cost of carbon due to structural model variation and uncertainties](#)." *PNAS* 121:52 (17 December 2024). doi:10.1073/pnas.2410733121

Hänsel, Martin C., Michael D. Bauer, Moritz A. Drupp, Gernot Wagner & Glenn D. Rudebusch. "[Climate policy curves highlight key mitigation choices](#)." *Climate Policy* (16 September 2024). doi:10.1080/14693062.2024.2392744

Bauer, Adam M., Cristian Proistosescu, and Gernot Wagner. "[Carbon dioxide as a Risky Asset](#)." *Climatic Change* 177:72 (6 May 2024). doi: 10.1007/s10584-024-03724-3

Merk, Christine and Gernot Wagner. "[Presenting balanced geoengineering information has little effect on mitigation engagement](#)," *Climatic Change* 177:11 (3 January 2024). doi: 10.1007/s10584-023-03671-5

Kotchen, Matthew J., James A. Rising, and Gernot Wagner. "[The costs of "costless" climate mitigation](#)." *Science* 382(6674): pp. 1001-3 (30 November 2023). doi: 10.1126/science.adj2453 [Subsequent reply to a letter published in *Science*: Kotchen, Matthew J., James A. Rising, and Gernot Wagner. "[Accurately interpreting IPCC assessments—Response](#)," *Science* (8 August 2024). doi: 10.1126/science.adp6652]

Wagner, Gernot and Daniel Zizzamia "[Green Moral Hazards](#)." *Ethics, Policy & Environment* 25(3): pp. 264-80 (September 2022). doi: 10.1080/21550085.2021.1940449

Dietz, Simon, James Rising, Thomas Stoerk, and Gernot Wagner. "[Economic impacts of tipping points in the climate system](#)," *PNAS* (24 August 2021). doi: 10.1073/pnas.2103081118 [Subsequent reply to a letter published in *PNAS*: Dietz, Simon, James Rising, Thomas Stoerk, and Gernot Wagner. "[Reply to Keen et al.: Dietz et al. modeling of climate tipping points is informative even if estimates are a probable lower bound](#)," *PNAS* (19 May 2022). doi: 10.1073/pnas.2201191119]

Behrer, A. Patrick R. Jisung Park, Gernot Wagner, Colleen M. Golja, and David W. Keith. "[Heat has larger impacts on labor in poorer areas](#)." *Environmental Research Communications* 3:9 (15 September 2021). doi: 10.1088/2515-7620/abffa3

Fabre, Adrien and Gernot Wagner. "[Availability of risky geoengineering can make an ambitious climate mitigation agreement more likely](#)." *Humanities & Social Sciences Communications* 7:1 (17 June 2020).

Camuzeaux, Jonathan, Thomas Sterner, and Gernot Wagner. "[India in the coming 'climate G2'?](#)" *National Institute Economic Review* No. 251 (5 February 2020): pp. R3-12. Doi: 10.1017/nie.2020.2

Daniel, Kent D., Robert B. Litterman, and Gernot Wagner. "[Declining CO₂ price paths](#)," *PNAS* (1 October 2019). doi: 10.1073/pnas.1905755116

Reynolds, Jesse L. and Gernot Wagner. "[Highly decentralized solar geoengineering](#)." *Environmental Politics* (2019). doi: 10.1080/09644016.2019.1648169.

Kelleher, J. Paul and Gernot Wagner. "[Ramsey discounting calls for subtracting climate damages from economic growth rates](#)." *Applied Economics Letters* 26 (1): 79-82 (2019). doi:10.1080/13504851.2018.1438581

Kelleher, J. Paul and Gernot Wagner. "[Prescriptivism, risk aversion, and intertemporal substitution in climate economics](#)." *Annals of Economics and Statistics* No. 132 (December 2018): 129-49.

Smith, Wake and Gernot Wagner. "[Stratospheric aerosol injection tactics and costs in the first 15 years of deployment](#)." *Environmental Research Letters* 13 (2018) 124001. doi:10.1088/1748-9326/aae98d.

Mahajan, Aseem, Dustin Tingley, and Gernot Wagner. "[Fast, cheap, and imperfect? U.S. public opinion about solar geoengineering](#)." *Environmental Politics* (May 2018), doi:10.1080/09644016.2018.1479101

Wagner, Gernot and Martin L. Weitzman. "[Potentially large equilibrium climate sensitivity tail uncertainty](#)." *Economics Letters* 168 (July 2018): 144-6. doi:10.1016/j.econlet.2018.04.036

Mohlin, Kristina, Jonathan R. Camuzeaux, Adrian Muller, Marius Schneider, and Gernot Wagner. "[Factoring in the Forgotten Role of Renewables in CO₂ Emission Trends using Decomposition Analysis: the Case of the 2007-2013 US CO₂ Emissions Decline](#)." *Energy Policy* 116 (May 2018): 290–6.

Bodnar, Paul, Rupert Edwards, Stephan Hoch, Emily F. McGlynn, Caroline Ott, and Gernot Wagner. "[Underwriting 1.5°C: Competitive Approaches to Financing Accelerated Climate Mitigation](#)." *Climate Policy* 18 (3): 368-82 (2018). doi:10.1080/14693062.2017.1389687

Meckling, Jonas, Thomas Sterner, and Gernot Wagner. "[Policy Sequencing toward Decarbonization](#)." *Nature Energy* 2: 918-22 (13 November 2017). doi:10.1038/s41560-017-0025-8

Tingley, Dustin and Gernot Wagner. "[Solar Geoengineering and the Chemtrails Conspiracy on Social Media](#)." *Humanities & Social Sciences Communications* [formerly *Palgrave Communications*] 3 (12), doi:10.1057/s41599-017-0014-3 (31 October 2017).

Keith, David W., Gernot Wagner, and Claire L. Zabel. "[Solar geoengineering reduces atmospheric carbon burden](#)." *Nature Climate Change* 7 (1 September 2017): 617–619.

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Burns, Elizabeth T., Jane A. Flegal, David W. Keith, Aseem Mahajan, Dustin Tingley, and Gernot Wagner. “[What do people think when they think about solar geoengineering? A review of empirical social science literature, and prospects for future research.](#)” *Earth’s Future* 4(11): 536–542 (November 2016).

Kopp, Robert E, Rachael Shwom, Jiacan Yuan, and Gernot Wagner. “[Tipping elements and climate-economic shocks: Implications for the cost of climate change.](#)” *Earth’s Future* 4(8): 346–372 (August 2016).

Gillingham, Kenneth, David Rapson, and Gernot Wagner. “[The Rebound Effect and Energy Efficiency Policy.](#)” *Review of Environmental Economics and Policy* (Winter 2016).

Freeman, Mark C., Gernot Wagner, and Richard J. Zeckhauser. “[Climate Sensitivity Uncertainty: When is Good News Bad?](#)” *Philosophical Transactions A* 373, 20150092 (November 2015).

Green, Jessica F., Thomas Sterner, and Gernot Wagner. “[A balance of ‘bottom-up’ and ‘top-down’ in Linking Climate Policies.](#)” *Nature Climate Change* 4 (December 2014): 1064–1067. doi:10.1038/nclimate2429

Wagner, Gernot and Richard J. Zeckhauser. “[Climate Policy: Hard Problem, Soft Thinking.](#)” *Climatic Change* 110, no. 3-4 (2012): 507-521.

Wagner, Gernot. 2010. “[Energy Content of World Trade.](#)” *Energy Policy* 38, no. 12 (2010): 7710-7721.

Lin, C.-Y. Cynthia and Wagner, Gernot. “[Steady-State Growth in a Hotelling Model of Resource Extraction.](#)” *Journal of Environmental Economics and Management* 54 (2007): 68-83.

Stavins, Robert N.; Wagner, Alexander F.; and Wagner, Gernot. “[Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity.](#)” *Economics Letters* 79 (2003): 339-343.

Policy briefs, white papers, cases, reports, testimonies, and other academic writings

Usher, Bruce and Gernot Wagner. “[LONGi: Facing Strategic Challenges in the Solar PV Sector](#)” *Columbia CaseWorks* #250311 (26 February 2025).

Wagner, Gernot. “[Vehicle-to-Grid Technology and Network Effects.](#)” *Columbia CaseWorks* #250310 (24 February 2025).

Wagner, Gernot and Bruce Usher. “[Illuminate: Onshoring the US Solar Supply Chain?](#)” *Columbia CaseWorks* #250309 (5 February 2025).

Heal, Geoffrey, Bruce Usher, and Gernot Wagner. “[Ørsted’s Case for Offshore Wind.](#)” *Columbia CaseWorks* #250308 (24 January 2025).

Wagner, Gernot. “[Stegra: Green Hydrogen Steel.](#)” *Columbia CaseWorks* #240307 (18 September 2024).

Wagner, Gernot. “[What counts as climate mitigation costs.](#)” *Nature Climate Change* (22 August 2024). doi:10.1038/s41558-024-02094-z

Stavins, Robert N. and Gernot Wagner. “[Martin L. Weitzman \(1942–2019\)](#).” In: *The Palgrave Companion to Harvard Economics* (ed: Robert A. Cord), Springer International Publishing: pp. 713-29 (6 July 2024).

Heal, Geoffrey, Bruce Usher, and Gernot Wagner. “[ELP Greenport: Scaling Community Solar](#).” *Columbia CaseWorks* #240306 (20 June 2024).

Balk, Deborah, Timon McPhearson, Elizabeth M. Cook, Kim Knowlton, Nicole Maher, Peter Marcotullio, Thomas Matte, Richard Moss, Luis Ortiz, Joel Towers, Jennifer Ventrella & Gernot Wagner. “[NPCC4: Concepts and tools for envisioning New York City’s futures](#).” *Annals of the New York Academy of Sciences*, pp. 1–46 (25 June 2024). doi:10.1111/nyas.15121

Wagner, Gernot. “[Stripe Climate: Creating a Market for Carbon Removal](#).” *Columbia CaseWorks* #240305 (5 April 2024).

Wagner, Gernot. “[A European Clean Growth Mindset](#).” *FEPS Policy Brief*, 27 February 2024.

Wagner, Gernot. “[Electra: Decarbonizing steelmaking through carbon-free iron](#).” *Columbia CaseWorks* #240303 (14 February 2024).

Burgess, Matthew G., Leaf Van Boven, Gernot Wagner, Gabrielle Wong-Parodi, Kyri Baker, Maxwell Boykoff, Benjamin A. Converse, Lisa Dilling, Jonathan M. Gilligan, Yoel Inbar, Ezra Markowitz, Jonathan D. Moyer, Peter Newton, Kaitlin T. Raimi, Trisha Shrum, and Michael P. Vandenbergh. “[Supply, demand, and polarization challenges facing US climate policies](#).” *Nature Climate Change* 14: pp. 134-42 (16 January 2024). doi: 10.1038/s41558-023-01906-y

Komanoff, Charles and Gernot Wagner. “[A Congestion Toll New York Can Live With](#).” Nuture Nature Foundation report (17 July 2023).

Wagner, Gernot. “[Clean Core Thorium Energy and the Role of Nuclear Power in the Low-carbon Transition](#).” *Columbia CaseWorks* #230307 (Spring 2023).

Wagner, Gernot. “[Decarbonizing voestalpine High-Performance Metal](#).” *Columbia CaseWorks* #230306 (Spring 2023).

Howard, Peter H., Max Sarinsky, Michael Bauer, Caroline Cecot, Maureen Cropper, Moritz Drupp, Mark Freeman, Kenneth T. Gillingham, Christian Gollier, Ben Groom, Qingran Li, Michael Livermore, Richard Newell, William A. Pizer, Brian Prest, Glenn Rudebusch, Thomas Sterner, and Gernot Wagner. “[US benefit-cost analysis requires revision](#).” *Science* 380 (6647). doi:10.1126/science.adi5943

Bauer, Adam Michael, David C. Lafferty, Kevin Schwarzwald, Cristian Proistosescu, and Gernot Wagner. “[Comments on Principles for Climate-Related Financial Risk Management for Large Financial Institutions](#).” Docket No. OP–1793, Federal Reserve (3 February 2023).

Wagner, Gernot and Wolfram Schlenker. “[Declining crop yields limit the potential of bioenergy](#).” *Nature* 609: pp. 250-1 (7 September 2022). doi:10.1038/d41586-022-02344-0

Stavins, Robert N. and Gernot Wagner. "[Martin Weitzman: A Gift that Keeps on Giving](#)." *Journal of the Association of Environmental and Resource Economists* 9(5): pp. 843–50 (September 2022). doi:10.1086/721093

Wagner, Gernot. "[Climate risk is financial risk](#)." *Science* editorial (10 June 2022). doi:10.1126/science.add2160

Wagner, Gernot. "[New Energy Imperative](#)." *IMF Finance & Development* (June 2022).

Wagner, Gernot and Bruce Usher. "[The Cost to Achieve Net-Zero](#)." *Columbia CaseWorks* #220310 (Spring 2022).

Kanter, David R., Claudia Wagner-Riddle, Peter M. Groffman, Eric A. Davidson, James N. Galloway, Jesse D. Gourevitch, Hans J. M. van Grinsven, Benjamin Z. Houlton, Bonnie L. Keeler, Stephen M. Ogle, Holly Pearen, Kevin J. Rennert, Mustafa Saifuddin, Daniel J. Sobota, and Gernot Wagner. "[Improving the social cost of nitrous oxide](#)." *Nature Climate Change* (17 November 2021). doi:10.1038/s41558-021-01226-z

Aldy, Joseph E., Tyler Felgenhauer, William A. Pizer, Massimo Tavoni, Mariia Belaia, Mark E. Borsuk, Arunabha Ghosh, Garth Heutel, Daniel Heyen, Joshua Horton, David Keith, Christine Merk, Juan Moreno-Cruz, Jesse L. Reynolds, Katharine Ricke, Wilfried Rickels, Soheil Shayegh, Wake Smith, Simone Tilmes, Gernot Wagner, and Jonathan B. Wiener. "[Social science research to inform solar geoengineering](#)." *Science* 374: 6569 (12 November 2021). doi:10.1126/science.abj6517

Wagner, Gernot. "[Recalculate the social cost of carbon](#)." *Nature Climate Change* (29 March 2021). doi:10.1038/s41558-021-01018-5

Wagner, Gernot, David Anthoff, Maureen Cropper, Simon Dietz, Kenneth T. Gillingham, Ben Groom, J. Paul Kelleher, Frances C. Moore & James H. Stock. "[Eight priorities for calculating the social cost of carbon](#)." *Nature* 590: 548-50 (25 February 2021). doi:10.1038/d41586-021-00441-0

Wagner, Gernot and Richard Zeckhauser, "[Confronting Deep and Persistent Climate Uncertainty](#)." In: *Climate Change Economics: The Role of Uncertainty and Risk*. Edited by V V Chari and Robert Litterman (forthcoming).

"[Brief of Andrew Dessler, Philip Duffy, Michael MacCracken, James McWilliams, Noelle Eckley Selin, Drew Shindell, James Stock, Kevin Trenberth, and Gernot Wagner as Amici Curiae in Support of State, Local Government, and Public Interest Organization Petitioners](#)," Competitive Enterprise Institute, et al. v. National Highway Traffic and Safety Administration, et al., DC Cir. No. 20-1145 and consolidated cases. Prepared by Shaun A. Goho, Chloe Warnberg, Jason Bell, and Ashton MacFarlane, Aaron Silberman (21 November 2020).

Jenkins, Jesse D., Leah Stokes, and Gernot Wagner (Eds). "[Carbon Pricing and Innovation in a World of Political Constraints](#)." Workshop Report (2020).

DeCarolus, Joseph F., Paulina Jaramillo, Jeremiah X. Johnson, David L. McCollum, Evelina Trutnevite, David C. Daniels, Gökçe Akın-Olçum, Joule Bergerson, Sooyeon Cho, Joon-Ho Choi, Michael T. Craig, Anderson R. de Queiroz, Hadi Eshraghi, Christopher S. Galik, Timothy G. Gutowski, Karl R. Haapala, Bri-Mathias Hodge, Simi Hoque, Jesse D. Jenkins, Alan Jenn, Daniel J.A. Johansson, Noah Kaufman, Juha Kiviluoma, Zhenhong Lin, Heather L. MacLean, Eric Masanet, Mohammad S. Masnadi, Colin A. McMillan, Destenie S. Nock, Neha Patankar, Dalia Patino-Echeverri, Greg Schively, Sauleh Siddiqui, Amanda D. Smith, Aranya Venkatesh, Gernot Wagner, Sonia Yeh, Yuyu Zhou. [“Leveraging Open-Source Tools for Collaborative Macro-energy System Modeling Efforts.”](#) *Joule* 4, pp. 1-4 (16 December 2020). doi:10.1016/j.joule.2020.11.002

Bowen, Alex, Marshall Burke, Charles Donovan, Kenneth Gillingham, Frances Moore, Robert Stavins, Gernot Wagner and Bob Ward. [“The economic case for the United States to remain in the Paris Agreement on climate change.”](#) LSE Grantham Research Institute policy brief (14 August 2020).

Proistosescu, Cristian and Gernot Wagner. [“Uncertainties in Climate and Weather Extremes Increase the Cost of Carbon,”](#) *One Earth* Commentary 2(6): pp. 515-7 (19 June 2020), doi.org/10.1016/j.oneear.2020.06.002

[“Brief of Maximilian Auffhammer, Philip Duffy, Kenneth Gillingham, Lawrence H. Goulder, James Stock, Gernot Wagner, and the Union of Concerned Scientists as Amici Curiae in Support of Petitioners,”](#) American Lung Association, et al. v. U.S. Environmental Protection Agency, et al., 9th Cir. No. 19-1140 and consolidated cases. Prepared by Shaun A. Goho, Jason Bell, and Ashton MacFarlane (24 April 2020).

Wagner, Gernot. [“Martin Weitzman, In Memoriam.”](#) *RFF Resources Magazine* (29 August 2019) and *EAERE Magazine* No. 8 (Winter 2020).

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Wagner, Gernot, [“Book Review of ‘Game Theory and Climate Change’ by Parkash Chander,”](#) *Journal of Economic Literature* 57(2): pp. 447-9 (2019).

Sterner, Thomas, Edward B. Barbier, Ian Bateman, Inge van den Bijgaart, Anne-Sophie Crépin, Ottmar Edenhofer, Carolyn Fischer, Wolfgang Habla, John Hassler, Olof Johansson-Stenman, Andreas Lange, Stephen Polasky, Johan Rockström, Henrik G. Smith, Will Steffen, Gernot Wagner, James E. Wilen, Francisco Alpizar, Christian Azar, Donna Carless, Carlos Chávez, Jessica Coria, Gustav Engström, Sverker C. Jagers, Gunnar Köhlin, Åsa Löfgren, Håkan Pleijel, Amanda Robinson. [“Policy design for the Anthropocene.”](#) *Nature Sustainability* 2(1): 14 (10 January 2019). doi:10.1038/s41893-018-0194-x

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Burns, Elizabeth, David Keith, Edward Parson, and Gernot Wagner (Eds). “[Report on the Forum on U.S. Solar Geoengineering Research](#),” Washington, D.C. (March 24, 2017).

Wagner, Gernot. “[Book review: The Planet Remade: How Geoengineering Could Change the World](#).” *Ethics and International Affairs* 30, 4 (2016).

Miller, Lee, Vaclav Smil, Gernot Wagner, and David Keith. “[Establishing practical estimates for city-integrated solar PV and wind](#).” *Science eLetter* (18 July 2016).

Keith, David, Gernot Wagner, and Juan Moreno-Cruz. “[Modeling the effects of climate engineering](#).” *Science* 352 (6293): 1526-7 (24 June 2016) 10.1126/science.aag1630.

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Wagner, Gernot. "[What Economics Can Contribute to a Healthier Planet](#)." *Resources For the Future Policy Commentary*, 31 October 2011.

Wagner, Gernot. "[Going Green but Getting Nowhere](#)." *New York Times*, 8 September 2011.

Wagner, Gernot. "[Austrian Rail Lines](#)." *Wirtschaftsblatt*, 27 December 2010; a call for Austrian Air Lines to offer train rides between Linz and Vienna, an idea implemented in 2014.

(Please see gwagner.com for a complete list.)

Teaching and Advising

B7705/8705 Business and Climate Change, Columbia Business School (Half-course Fall 2023; Spring 2024; Fall 2024)

B8212 [Climate Policy](#), Columbia Business School (Spring 2023; Half-course Spring 2024, 2025)

B8201 [Climate Change and the Energy Transition](#), Columbia Business School (Half-course Spring 2022, 2023)

ENVST-UA 407 [Climate Politics: When Policy meets Reality](#), NYU Department of Environmental Studies (Fall 2019, 2020, 2021).

ENVST-UA 410 [Environmental Economics](#), NYU Department of Environmental Studies (Fall 2020, 2021).

ENVST-UA 450.005 Policy Analysis, NYU Department of Environmental Studies (Fall 2019, 2021).

PADM-GP 2472 [Climate Economics](#), NYU Wagner (Spring 2020, 2021)

ENVST-UA 900 Environmental Studies senior seminar, NYU Department of Environmental Studies (Fall 2020).

PADM-GP 2442 [Economic Policy Analysis](#), NYU Wagner (Spring 2020)

[Climate Policy—Past, Present, and Future](#), Harvard University Environmental Science and Public Policy Junior Seminar, lecturer (Fall 2016, 2017, 2018; Harvard University Certificate of Teaching Excellence all three years).

Energy and Environment, NYU Stern School of Business; adjunct associate professor (Spring 2016).

U6065 The Economics of Energy, Columbia University, School of International and Public Affairs; adjunct assistant professor (Spring 2011; Fall 2011), adjunct associate professor (Fall 2012, 2013, 2014, 2015).

API-109 Advanced Microeconomic Analysis I, Kennedy School of Government; teaching fellow for Nolan H. Miller (Fall 2003, 2004, 2005 and 2006 [Harvard Kennedy School Dean's Award for Excellence in Student Teaching]).

Ec 1025 Theory of Capital and Income, Harvard University; teaching fellow for Martin L. Weitzman (Fall 2004 and 2005).

Ec 1661/ENR-201 Environmental and Resource Economics and Policy, Harvard University; teaching fellow for Robert N. Stavins (Spring 2004 and 2006 [Harvard Kennedy School Dean's Award for Excellence in Student Teaching]), guest lecturer (Spring 2005 and 2006).

Non-resident tutor in Political Economy and Government, Quincy House, Harvard University (2004 to 2007).

Professional Affiliations, Awards, Honors

Present

Member, Technical Working Group, Greenhouse Gas (GHG) Protocol Corporate Standards (2024 – present)

Research Fellow, [Climate Change and Environment](#), Centre for Economic Policy Research (CEPR; 2024 – present)

[Ausschuss für Umwelt- und Ressourcenökonomie](#) [Standing Field Committee on Environmental & Resource Economics], Verein für Socialpolitik (AURÖ; 2024 – present)

Advisory Board Wissenschaft, [Wiener Klimarat](#) (Scientific Advisory Board, Climate Council Vienna; 2024 – 2028)

Advisor, [SparkChange](#) (2024 – present)

Climate Committee, European Forum Alpbach (2004 – present)

Advisory board, International Center for Future Generations (ICFG; 2023 – present)

Advisory board, [Climate Law](#) (German: “Initiative für Klimarecht”; 2022 – present)

Advisory board, [Another Come Up, Inc.](#) (Student-founded sustainable fashion startup; 2023 – present)

Faculty Affiliate, Columbia [Center for Environmental Economics and Policy](#) (2022 – present)

[Project Syndicate columnist](#) (2022 – present)

Associate Editor, [Climate Action](#) (2022 – present)

Fellow, [CESifo Research Network](#) (2022 – present)

Coordinating Lead Author, Austrian Panel on Climate Change (APCC; 2022 – present)

Board Member, [CarbonPlan](#) (2021 – present)

Editorial Advisory Board, [Climate Policy](#) (2021 – 2025)

[Co-op Board President](#), 21-23 Bleecker Street Owners Corporation (2020 – present)

Associate Editor, *Humanities & Social Sciences Communications* (2020 – present)

Past

Associate Editor, Special Issue of *Management Science*: “Business and Climate Change” (2020 – 2024)

Advisory board, Inter-American Development Bank’s (IDB) Development in the Americas (DIA) 2024 (2023 – 2024)

[New York City Panel on Climate Change](#) (NPCC; 2020 – 2024)

Jury, *Project Syndicate Sustainability Book Award* (2023)

Member, [Peer Review Panel](#) for U.S. Environmental Protection Agency’s “Report on the Social Cost of Greenhouse Gases: Estimates Incorporating Recent Scientific Advances” (2022 – 2023)

Senior Fellow, Climate, [Jain Family Institute](#) (2022 – 2023)

“[Austrian of the Year](#),” category international (2022)

[Visiting researcher](#), CESifo, Munich (2022)

[Visiting Scholar, Kleinman Center for Energy Policy](#), University of Pennsylvania (2021 – 2022)

[Bloomberg Green Columnist](#) (2020 – 2022)

Steering Committee, NYU [Climate Change Initiative](#) (2021 – 2022)

Affiliated Faculty, NYU Center for Data Science (2021 – 2022)

Wallace E. Oates Outstanding Doctoral Dissertation Award committee, Association of Environmental and Resource Economists, AERE (2019 – 2021)

Harvard University Certificate of Teaching Excellence (Fall 2016, 2017, and 2018)

[Co-Chair, Scientific Program Committee](#), 6th World Congress of Environmental and Resource Economists, Gothenburg, Sweden (2018)

Associate, Science, Technology, and Public Policy Program (STPP), Robert and Renée Belfer Center for Science and International Affairs, Harvard Kennedy School (2017 – 2019)

Consultant, Environmental Defense Fund (2016 – 2019)

Associate, Harvard University Center for the Environment (2016 – 2019)

Visiting Research Associate, University of Oxford's Smith School of Enterprise and the Environment (2015 – 2016)

Research Associate, Harvard Kennedy School of Government (2013 – 2016)

Conservation research panel, WWF's Luc Hoffmann Institute (2013 – 2015)

Term member, Council on Foreign Relations (2012 – 2017)

DOC-Stipend of the Austrian Academy of Sciences (2005 – 2007)

Humane Studies Fellowship (2006 – 2007)

Pre-Doctoral Repsol YPF-Harvard Kennedy School Fellowship in energy policy (2005 – 2006)

Harvard Kennedy School Dean's Award for Excellence in Student Teaching (2006)

Harvard University Presidential Scholars Grant (Fall 2005)

Harvard University Certificate of Distinction in Teaching (Spring 2004 and 2006)

Harvard University Graduate School of Arts and Sciences fellowship (2003 – 2007)

Stanford University Department of Economics graduate fellowship (2002 – 2003)

Thomas T. Hoopes Prize for senior thesis, Harvard University (2002)

Joint A.B. *magna cum laude* with highest honors in field (2002)

Presentations, Talks, Media

Academic presentations: Arizona State University, Bates College, Beijing Foreign Studies University (北外学生处), Beloit, Bristol, Caltech, Columbia, Duke, East Carolina University, ETH Zürich, Harvard, Hunter College, Jain Family Institute, Jönköping University, London School of Economics, Massachusetts Institute of Technology, Max-Planck-Institut, MIT Media Lab, North Carolina State University, National Oceanic and Atmospheric Administration (NOAA), New York Fed (FRBNY), New York University, NYU Abu Dhabi, Norwegian School of Economics, Österreichische Nationalbank (OeNB), Oxford, Peking University (北京大学), Pennsylvania State University, Princeton, San Francisco Fed (FRBSF), Simons Foundation, Stanford, Trinity College Dublin, Tsinghua University (清华大学), Tufts, University of Bergen, University of British Columbia, University of California (Berkeley, Davis, Santa Barbara), University of Colorado (Boulder), University of Gothenburg, University of Graz, University of Illinois at Urbana-Champaign, University of Konstanz, University of Minnesota, University of Pennsylvania, University of Pittsburgh, University of Vienna, University of Virginia, University of Washington, Wesleyan University, Wirtschaftsuniversität Wien (Vienna University of Economics and Business), Yale; Accademia Nazionale dei Lincei (Italian National Academy of Sciences), American Economic Association (AEA/ASSA), Association Française de Science Economique (AFSE), Association of Environmental and Resource Economists (AERE), Ausschuss für Umwelt- und Ressourcenökonomie (AURÖ), Center for Economic Studies (CESifo), European Association of Environmental and Resource Economists (EAERE), Gordon Research Conference, I.S.E.O Summer School, National Bureau of Economic Research (NBER), World Congress of Environmental and Resource Economists, among others.

Keynote talks, panels, debates: Amerika Haus (Vienna), Aquarium of the Pacific, Arab Fiscal Forum, Aspen Environment Forum, Aspen Ideas Festival, Aspen Institute Energy Policy Forum, Aspern Seestadt, Atlantic Monthly, Austrian Wind Energy Symposium, Behavior, Energy & Climate Change (BECC), Bloomberg, Carnegie Endowment for International Peace, Chinese Academy of Sciences (中国科学院), Chinese Academy of Social Sciences (中国社会科学院), Center for Equitable Growth, Climate One, Climate Ride, Columbia University Earth Summit, Convoco!, Council on Foreign Relations, Economist, Environment for Development (Kampala, Uganda), European Forum Alpbach, European Parliament, Fachhochschule Wien, Festival of Economics (Trento, Italy), Garrison Institute, Geneva Science and Diplomacy Anticipation, Glacier Climate Week, Global ARC Boston, Global Clean Energy Action Forum, Global Risk Institute, Göttinger Literaturherbst, Gratitude Railroad Annual Investor Retreat, Harvard Club of New York, Harvard Kennedy School, Harvard Medical School, High School of Economics Moscow, International Monetary Fund, Institute for New Economic Thinking, KentPresents, Kunst Haus Wien/Museum Hundertwasser, Manhattan Institute, Middlebury College, MIT Media Lab, National Academy of Sciences, National Institute of Health, Net Zero Nuclear (Dubai), New York Academy of Sciences, Nova Scotia Pension Services Corporation, NYC Climate Week, OPEC Fund, Port Authority of New York and New Jersey, Stiftung Kunst und Nature Nantesbuch, Symposium Dürnstein, TEDx, UNICEF, United Nations, United World College, Universität für Bodenkultur (BOKU), U.S. Foreign Service Institute, U.S. Department of State, Theater im Park, Transparency International, University of Pennsylvania's Kleinman Center for Energy Policy, Vienna Tourism Conference, Wirtschaftskammer Österreich (WKO), World Affairs Council, World Bank, World Wildlife Fund; Audubon Society board meeting, BP executive team meeting, Environmental Defense Fund board meeting, Fund for the Environment and Urban Life board meeting, Morgan Stanley Climate Change University, voestalpine; Annapolis Book Festival, Harvard Book Store, Harvard Coop, Politics & Prose (Washington, D.C.), among others.

Media: The Atlantic, Bloomberg, The Economist, European Financial Review, Financial Times, Forbes, Foreign Affairs, Foreign Policy, Frankfurter Allgemeine Zeitung, Kronenzeitung, Neue Zürcher Zeitung, New York Magazine, New York Times, Die Presse, Salon, Der Standard, Süddeutsche Zeitung, TIME, Vox, Wall Street Journal, Washington Post, Wiener Zeitung, Yale Environment 360, ZEIT; ABC, BBC (Business Matters, World News), CNBC, C-Span BookTV, Deutsche Welle, Deutschlandfunk, FOX, KBS (한국방송공사), NBC, NPR (Living on Earth, Leonard Lopate show, Kathleen Dunn show, Marketplace, [Person Place Thing](#) with Randy Cohen), ORF (Ö1, Ö2, Ö3 „[Frühstück bei mir](#)“; ECO, Philosophisches Forum, [Thema](#), Zeit im Bild, ZIB Magazin), NDR, PBS NewsHour, rbbKultur, SRF, Wake Up with Al, WDR, Yahoo! Business News, How to Fix It podcast, among others.

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