

Alexander Sayer Gard-Murray

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Positions

Director <i>Greenhouse Institute</i>	July 2023 – Present
Postdoctoral Fellow Climate Solutions Lab and Rhodes Center for International Economics and Finance, Watson Institute for International and Public Affairs <i>Brown University</i>	July 2021 – June 2023
Lecturer College Fellow Government Department <i>Harvard University</i>	July 2020 – June 2021 July 2018 – June 2020

Education

D.Phil. in Politics, <i>University of Oxford, Nuffield College</i>	2020
<ul style="list-style-type: none">• Dissertation Title: “Splitting the Check: A Political Economy of Climate Change Policy”• Advisor: Nancy Bermeo, Readers: Ben Ansell, Larry Jacobs• Winner of the American Political Science Association’s 2021 Virginia Walsh Award for the best dissertation in Science, Technology, and Environmental Politics in the last two years	
M.Sc. in Politics Research (with Distinction), <i>University of Oxford, St Hilda’s College</i>	2013
<ul style="list-style-type: none">• Thesis Title: “Geography, Accessibility, and Civil War Duration”• Advisor: Nancy Bermeo• Awarded with Distinction	
A.B. in Political Science, <i>Brown University</i>	2009

Research

Book Manuscript

A. Gard-Murray. *The Price of a Planet: Distributional Coalitions in Climate Politics.* (under review at Cambridge University Press)

Book in Progress

A. Gard-Murray, G. Henderson. *Producing Certainty: How Climate Coalitions Are Built and Broken.*

Peer-Reviewed Articles

- J. Colgan, **A. Gard-Murray**, & M. Hinthorn (2023). "Quantifying the Value of Energy Security: How Russia's Invasion of Ukraine Exploded Europe's Fossil Fuel Costs." *Energy Research and Social Sciences*, 103.
- A. von Dulong, **A. Gard-Murray**, A. Hagen, N. Jaakkola, & S. Sen (2023). "Stranded Assets: Research Gaps and Implications for Climate Policy." *Review of Environmental Economics and Policy*, 17 (1): 161–169.
- A. Gard-Murray** (2022). "De-Risking Decarbonization: Accelerating Fossil Fuel Retirement by Shifting Costs to Future Winners." *Global Environmental Politics* 22 (4): 70–94.
- L. Giordono, **A. Gard-Murray**, & H. Boudet (2021). "From Peril to Promise? Local Adaptation and Mitigation Policy Decisions after Extreme Weather." *Current Opinion in Environmental Sustainability* 52, 118–124. DOI: 10.1016/j.cosust.2021.10.002.
- L. Giordono, H. Boudet, & **A. Gard-Murray** (2020). "Local Adaptation Policy Responses to Extreme Weather Events." *Policy Sciences* 53, 609–636. DOI: 10.1007/s11077-020-09401-3.
- A. Rutherford, D. Harmon, J. Werfel, **A. Gard-Murray**, S. Bar-Yam, A. Gros, R. Xulvi-Brunet, & Y. Bar-Yam (2014). "Good Fences: The Importance of Setting Boundaries for Peaceful Coexistence." *PLoS ONE* 9 (5). DOI: 10.1371/journal.pone.0095660.
- A. Herdağdelen, W. Zuo, **A. Gard-Murray**, & Y. Bar-Yam (2013). "An Exploration of Social Identity: The Geography and Politics of News-Sharing Communities in Twitter." *Complexity* 19 (2), 10–20. DOI: 10.1002/cplx.21457.

Policy Reports

- A. Gard-Murray**, B. Haley, S. Miller, M. Poirier (2023). "The Cool Way to Heat Homes: Installing Heat Pumps Instead of Central Air Conditioners in Canada." Building Decarbonization Alliance, Canadian Climate Institute, Efficiency Canada, Greenhouse Institute.
- C. Wyent, J. Lewis, **A. Gard-Murray**, N. Goldmann, S. Pantano, L. Stokes, & A. Matusiak (2022). "Electrify My Government." Rewiring America.
- B. Struhl, **A. Gard-Murray** (2022). "Fulfilling the Promise of Public Safety: Some Lessons from Recent Research." Crime and Justice Policy Lab.
- A. Gard-Murray**, J. Colgan (2021). "Is the United States Underplaying the Threat of Climate Change? Reevaluating the National Climate Assessment." Climate Solutions Lab.
- S. Pantano, M. Malinowski, **A. Gard-Murray**, & N. Adams (2021). "3H: An Incentive Program to Electrify Space Heating and Reduce Energy Bills in American Homes." CLASP.
- T. Alam, M. Luomi, Y.J. Baek, T. Coburn, **A. Gard-Murray**, N.S. Hendriyetty, C.J. Kim, C.F. Kutscher, J. Logan, R. McGrath, W. Toor (2020). "COVID-19 Recovery: How the G20 Can Accelerate Sustainable Energy Transitions in the Power Sector by Supporting the Private Sector." T20 Climate Change and Environment Task Force.

Articles in Progress

- M. Lerner, **A. Gard-Murray**, F. Genovese. "Expert preferences for carbon pricing in the developing world." (Environmental Politics and Governance 2023)

- A. Gard-Murray** & G. Henderson. "Policymaking Under Uncertainty: The Case of Climate Coalitions." (Climate Pipeline Project 2022, American Political Science Association 2023)
- T. Andrews, S. Constantino, A. Cooperman, **A. Gard-Murray**. "Wildfires in the West." (American Political Science Association 2022, 2023)
- A. Gard-Murray** & M. Lerner. "Fuzzy Shocks." (Climate Pipeline Project 2021)
- A. Gard-Murray**. "Asset Substitution: Reducing Incumbent Resistance to Climate Mitigation." (Climate Futures Workshop 2021)
- A. Gard-Murray**. "Mitigating Mitigation: How Labor Protection Strengthens Climate Policy." (APSA 2018)
- A. Gard-Murray**. "Pocketbook Preferences: How Sector of Employment Affects Support for Climate Policy." (EPG 2020)
- A. Gard-Murray**, L. Giordono, H. Boudet. "Do Focusing Events Focus Attention? Text Analysis of Climate Discourse After Disasters." (MPSA 2021)

Policy Reports in Progress

- M. Lerner, K. Biedenkopf, **A. Gard-Murray**, F. Genovese, D. Kyriakopoulou, A. Olarte-Pena. "Understanding the Political Economy of Carbon Pricing: A Practice Review." LSE Consulting and adelphi Research.
- A. Braga, B. Struhl, B. Turchan, B. Wade, R. Brunson, G. Zimmerman, S. Douglas, A. Miller-Smith, A. Papachristos, **A. Gard-Murray**. "Developing New Tools to Fight the Opioid Epidemic: Problem Analysis and Response Development." Crime and Justice Policy Lab.

Book Chapters

- A. Gros, **A. Gard-Murray**, & Y. Bar-Yam (2015). "Conflict in Yemen: From Ethnic Fighting to Food Riots" in P. Vos Fellman, Y. Bar-Yam, A.A. Minai, eds., *Conflict and Complexity*, Springer.
- A. Gard-Murray** & Y. Bar-Yam (2015). "Complexity and the Limits of Revolution: What Will Happen to the Arab Spring?" in P. Vos Fellman, Y. Bar-Yam, A.A. Minai, eds., *Conflict and Complexity*, Springer.
- A. Rutherford, M. Lim, R. Metzler, D. Harmon, J. Werfel, S. Bar-Yam, **A. Gard-Murray**, A. Gros, & Y. Bar-Yam (2015). "The Geography of Ethnic Violence" in P. Vos Fellman, Y. Bar-Yam, A.A. Minai, eds., *Conflict and Complexity*, Springer.

Teaching Experience

Harvard University

Political Economy of the Environment	Spring 2019 – 2021
Politics of Climate Change	Fall 2018 – 2020
Public Policy Practicum	Fall 2020
Environmental Policy Research	Spring 2020
Senior Thesis Writers' Seminar	Fall 2018, Spring 2019

Senior Thesis Supervision:

Henry Atkins, Delano Franklin, Nicholas Hargis, Brendan Massoud, Henrietta Reily

University of Oxford

Political Sociology Tutorial (co-instructor)

Spring 2016

Environmental Politics Tutorial

Fall 2015

Presentations

Conference Presentations

American Political Science Association, Annual Meeting	2017, 2018, 2020, 2023*
Environmental Politics and Governance Conference	2019, 2020, 2021, 2022, 2023*
Climate Pipeline Project Workshop	2021, 2022
Climate Futures Workshop, Princeton University	2020, 2021
Workshop on Politics and Policies for Supply-Side Climate Change Initiatives	2021
International Association for Society & Natural Resources	2021
Midwest Political Science Association, Annual Meeting	2017, 2018, 2019, 2021
Association for Public Policy and Management Conference	2020
Western Political Science Association, Annual Meeting	2019, 2020
The Ten Most Pressing Gaps in Research on Environmental Policy, Yale University	2019

**Paper accepted, but work presented by co-author*

Invited Talks

Consortium on the American Political Economy	2022
Climate Preparedness Research Group, University of Miami	2022
Finance Seminar, Haskayne School of Business, University of Calgary	2020

Internal Seminar Talks

Watson Postdoctoral Fellows Work-in-Progress Series, Brown University	2022
Political Economy Workshop, Harvard University	2021
CIERP Research Seminar, Tufts University	2018
Nuffield Politics Graduate Student Conference, University of Oxford	2015

Grants and Awards

Understanding the Political Economy of Carbon Pricing, World Bank (with M. Lerner, F. Genovese, D. Kyriakopoulou, C. Hauge, & A. Olarte Peña)	2022
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Virginia Walsh Dissertation Award, American Political Science Association	2021
Certificate of Excellence in Teaching, Bok Center, Harvard University	2018 – 2021
Conference Travel Grant, Nuffield College	2013 – 2016
Writing-Up Grant, University of Oxford	2017
Fellowship for Academic Excellence, University of Oxford	2013 – 2016
Sword & Spear Award, Alpha Delta Phi Society	2009
American Foundations Prize, Political Theory Project, Brown University	2006

Service

Reviewer for <i>World Politics</i> , <i>Perspectives on Politics</i> , <i>Climatic Change</i> , <i>Comparative Political Studies</i> , <i>Environmental Politics</i> , <i>Journal of Social Philosophy</i> , <i>Global Challenges</i> , <i>Globalizations</i>	
Member, Virginia Walsh Dissertation Award Committee, APSA STEP Section	2022
Co-Organizer, Climate Futures Workshop, Princeton University	2021 – 2022
Co-Organizer, Climate Pipeline Project Workshop, Brown University	2021
Volunteer, Political Science Prep Program, Harvard University	2020
Convenor, Social Sciences Graduate Research Seminar, University of Oxford	2017 – 2018
StackOverflow contributor (top 4%, reached an estimated 1.2 million people)	2013 – 2022

Media

Articles

- A. Gard-Murray**, M. Hinthorn, J. Colgan (8/23/2023). "The Missed Opportunity of Europe's Energy Crisis." *Foreign Affairs*.
- A. Gard-Murray**, N. Adams (5/23/2022). "A new bill could speed up American electrification by 20 years." *Canary Media*.
- T.J. Shanks, **A. Gard-Murray** (5/3/2022). "Fossil fuels are the Achilles' heel of warfare. Just ask Russia." *Defense News*.
- A. Gard-Murray**, T.J. Shanks (4/28/2022). "Mapping U.S. Military Dependence on Russian Fossil Fuels." *Climate Solutions Lab*.

Selected Coverage

Washington Post, New York Times, Wall Street Journal, Bloomberg, Politico, The Hill, Marketplace, CBC Radio, Popular Science, Stars and Stripes, The Carbon Copy, WBUR, The Energy Mix, Acadia Center, The Catalyst

Consulting Experience

The World Bank

November 2022 – Present

Building Decarbonization Alliance	March – August 2023
Rewiring America	May – December 2022
Climate Action Business Association	October 2021 – July 2022
Crime and Justice Policy Lab, University of Pennsylvania	September – December 2021
Center for Crime and Community Resilience, Northeastern	September 2020 – June 2021
Collaborative Labeling and Appliance Standards Program (CLASP)	February – May 2021

Other Research Experience

Bob Massie for Governor <i>Policy Director</i>	December 2017 – May 2018
Center for International Environment and Resource Policy Fletcher School of Law and Diplomacy, Tufts University <i>Research Affiliate</i>	July 2016 – May 2018
Prof. Nancy Bermeo University of Oxford and Princeton University <i>Research Assistant</i>	October 2012 – May 2018
New England Complex Systems Institute <i>Researcher</i>	July 2010 – July 2012

Technical Skills

General Programming (Python), Statistics and Data Analysis (Stata, R), Text Analysis (spaCy, Gensim, NLTK), Geographic Information Systems (ArcGIS, QGIS), Web Development (HTML, CSS, PHP, JavaScript, SQL)