

Lint Barrage

ETH Zurich
Zürichbergstrasse 18
8032 Zürich
Switzerland

Phone: +1 203-506-9767
Email: lint_barrage@ucsb.edu
Web: <http://www.lintbarrage.com/>

Academic Positions:

07/2022 – present: Associate Professor & Chair of Energy and Climate Economics, ETH Zurich
2019 – 06/2022: Assistant Professor of Economics, U.C. Santa Barbara
2018 – 2019: Visiting Assistant Professor, Energy Policy Institute at the University of Chicago
2015 – 2019: Assistant Professor of Economics and Environmental Studies, Brown University, Department of Economics & Institute at Brown for Environment and Society
2013 – 2015: Assistant Professor, University of Maryland, College Park, Department of Agricultural and Resource Economics

Education:

Ph.D. Economics (*with Distinction*), Yale University, May 2013
M. Phil. Economics, Yale University, December 2011
M.A. Economics, Yale University, May 2010
B.A. Economics / Environmental Studies (*both Honors*), University of Chicago, 2007

Affiliations:

Journal of Political Economy – Microeconomics, Editor, 2022 - present
Journal of the Assoc. of Environmental and Resource Economics, Editorial Council, 2021 – pres.
Research Affiliate, Centre for Economic Policy Research, Macro and Growth, 2020 – present
Affiliate, CESifo Research Network, Energy and Climate Economics, 2016 – present
Faculty Research Fellow, National Bureau of Economic Research, 2016 – 2022

Publications and Scholarly Activities:

Published Papers:

Bakkensen, Laura, and Lint Barrage (2021) “[Going Under Water? Flood Risk Belief Heterogeneity and Coastal Home Price Dynamics](#)” *The Review of Financial Studies*, hhab122, November 2021. *Featured in the* [NBER Digest](#) (2017), [Pacific Standard](#) (2018), [Providence Journal](#) (2019), [VICE News](#) (2019)

Barrage, Lint (2020) “[The Fiscal Costs of Climate Change](#)” *AEA Papers and Proceedings* 2020, 110: 107–112.

Barrage, Lint (2019) “[The Nobel Memorial Prize for William D. Nordhaus](#)” (Commissioned), *The Scandinavian Journal of Economics*, 121(3): 884-924.

Barrage, Lint (2020) “[Optimal Dynamic Carbon Taxes in a Climate-Economy Model with Distortionary Fiscal Policy](#)” *Review of Economic Studies*, 87(1): 1-39.

Barrage, Lint, Eric Chyn, and Justine Hastings (2020) “[Advertising and Environmental](#)

[Stewardship: Evidence from the BP Oil Spill](#)” *American Economic Journal: Policy*, 12(1): 33-61. *Featured in [AEA Research Highlights](#) (2020), [Harvard Business Review](#) (2014)*

Barrage, Lint, and Jacob Furst (2019) “[Housing Investment, Sea Level Rise, and Climate Change Beliefs](#)” *Economics Letters*, 177: 105-108.

Barrage, Lint (2018) “[Be Careful What You Calibrate For: Social Discounting in General Equilibrium](#)” *Journal of Public Economics*, 160C: 33-49.

M. Burke, M. Craxton, C.D. Kolstad, C. Onda, H. Allcott, E. Baker, L. Barrage, R. Carson, K. Gillingham, J. Graff-Zivin, M. Greenstone, S. Hallegatte, W.M.Hanemann, G. Heal, S. Hsiang, B. Jones, D.L. Kelly, R. Kopp, M. Kotchen, R. Mendelsohn, K. Meng, G. Metcalf, J. Moreno-Cruz, R. Pindyck, S. Rose, I. Rudik, J. Stock and R. Tol (2016) “[Opportunities for Advances in Climate Change Economics](#)” *Science*, 15 Apr 2016: 352(6283): 292-293.

Barrage, Lint (2014) “[Sensitivity Analysis for Golosov, Hassler, Krusell, and Tsyvinski \(2014\): ‘Optimal Taxes on Fossil Fuel in General Equilibrium’](#)” *Supplemental Material, Econometrica*, 82(1): 41-88. [Supplementary Material to: Golosov, Mikhail, John Hassler, Per Krusell, and Aleh Tsyvinski (2014) “Optimal Taxes on Fossil Fuel in General Equilibrium,” *Econometrica*, 82(1): 41-88.]

Barrage, Lint and Min Sok Lee (2010): “[A Penny for Your Thoughts: Inducing Truth-Telling in Stated Preference Elicitation](#)” *Economics Letters*, 16: 140-142.

Working Papers:

Bakkensen, Laura, and Lint Barrage (2022) “[Climate Shocks, Cyclones, and Economic Growth: Bridging the Micro-Macro Gap](#)” *Conditionally Accepted, The Economic Journal*
“[Policies, Projections, and the Social Cost of Carbon: Results from the DICE-2023 Model](#),”
NBER Working Paper No. 31112, joint with William Nordhaus

Barrage, Lint (2023) “[The Fiscal Costs of Climate Change in the United States](#)”

Acemoglu, Daron, Philippe Aghion, Lint Barrage, and David Hémous (2019) “[Climate Change, Directed Innovation, and Energy Transition: The Long-run Consequences of the Shale Gas Revolution](#)”

Aldeco, Lorenzo, Lint Barrage, and Matthew Turner (2019) “[Equilibrium Particulate Exposure](#)” *International Growth Centre Working Paper C-89451-NOC-1*.

“In the Heat of the Moment: Carbon Pricing Support in a National Referendum” joint with Gustav Fredriksson (2023)

Barrage, Lint (2018) “[Regulatory Dynamics in U.S. Aviation Safety: Economic Determinants of FAA Behavior](#)” [*R&R, Journal of Regulatory Economics*]

Works in Progress:

Barrage, Lint, Woongchan Jeon, and Kieran Walsh (2022) “Pricing Climate Risks: Evidence from Wildfires and Municipal Bonds”

Book Chapters:

Barrage, Lint (2021) “[Climate Policy Opportunities for the United States](#)” in: “No Brainers and Low-Hanging Fruit in National Climate Policy,” eds. Francesco Caselli, Alexander Ludwig,

and Rick van der Ploeg, CEPR e-Book.

Barrage, Lint (2017) "[Carbon Pricing Policy Design and Revenue Management: Economic Models and Policy Practice](#)" in: "Building a Climate Resilient Economy and Society," eds. K.N. Ninan and Makoto Inoue, Edward Elgar Publishers, Cheltenham, UK.

Research Grants:

International Growth Center Research Grant (£50,000) "Air Pollution Exposure in Spatial Equilibrium," with Matthew Turner, 2018

UTRA Award (\$3,570) "Climate Risks and U.S. Housing Markets," with Jacob Furst, 2018

International Growth Center Research Grant (£30,000) "Determinants of Global Air Pollution Exposure," with Matthew Turner, 2017

IBES Project Development Grant (\$60,000): "Improving Transparency in Environmental Compliance," with Justine Hastings, 2015

Invited Talks and Conference Presentations:

2023: Kiel U., U. of Alabama, London School of Economics, Mannheim Conference on Energy and the Environment (Keynote), World Bank Annual Urbanization and Poverty Reduction Conference (mini-Keynote), ETH Risk Center, Royal Society Economics Conference, U. Zurich, Bern Energy and Environmental Economics Workshop, U. Leipzig; *scheduled*: St. Gallen U., ESCB Research Cluster on Climate Change Workshop (Keynote), U. Mannheim, Geneva Graduate Institute

2022: ASSA Annual Meeting (disc.), European Commission, U.S. Treasury, University of Oxford, Arizona State University, Workshop on "Macroeconomic and climate governance" University of Bologna, Santa Fe Institute, New York Federal Reserve

2021: ASSA Annual Meeting, Stanford University, CEPR Climate Economics Workshop, Colorado State University, University of Cambridge (Climate Workshop), Federal Reserve Board of Governors, Congressional Budget Office, *ifo* Seminar, WEIA Annual Conference, Deutsche Bundesbank; Texas A&M, U.C. Berkeley (Economics), Banca d'Italia – Bank of England Climate Conference, Universidad Diego Portales, Duke University, Brazilian Econometric Society

2020: ASSA Annual Meeting, Federal Reserve Bank of San Francisco Virtual Seminar on Climate Economics; U.S. Congressional Budget Office, Federal Reserve Bank of Richmond; ETH Zurich CEPE Seminar; World Bank / IMF Joint Seminar on Climate Macroeconomics, Climate Impacts Lab – Federal Reserve Bank of San Francisco Conference on "Economic Risks of Climate Change - Implications for Financial Regulators"

2019: ASSA Annual Meeting (disc.), University of Chicago Harris School, Cornell University, University of Maryland AREC, Forum on Scenarios for Climate and Societal Futures (University of Denver), Tilburg University, University of Arizona, AURÖ Jahrestagung, NBER EEE Spring Meeting (disc.), Northeast Workshop on Energy Policy and Environmental Economics (disc.), Society for Economic Dynamics; NBER Summer Institute (EEE), University of Southern California; U.C. Berkeley Agricultural and Resource Economics

2018: ASSA Annual Meeting (disc.), SURED (Keynote Address), Society for Economic Dynamics, U.C. Berkeley Climate Economics Workshop, Federal Reserve Board of Governors, University of Connecticut, University of Zurich, University of Chicago EPIC, Yale University

School of the Environment, University of Virginia Darden School of Business, U.C. Santa Barbara

2017: ASSA Annual Meeting (disc.), IMF Workshop on Macroeconomic Policy and Income, Mercator Research Institute, IIES Stockholm, Universität Basel, ETH Zurich, IPAG Workshop (Keynote), Stanford SEEPAC Workshop, U.C. Santa Barbara LAEF Climate Economics Workshop, NBER Summer Institute (EEE), Stanford SEEPAC Lunch, University of Colorado Boulder; U.C. Davis, Georgetown, University of Maryland AREC, U.C. San Diego

2016: Columbia University Business School, Yale University School of the Environment, Columbia University SIPA, Colby College, U.C. Berkeley, 20th International Conference on Macroeconomic Analysis and International Finance, Association of Environmental and Resource Economists Summer Meeting, Conference on Sustainable Resource Use and Economic Dynamics, Econometric Society Asia Meetings, NBER Summer Institute (EEE), University of Rhode Island, Arizona State, CESifo Conference on Energy and Climate Economics

2015: London School of Economics Grantham Institute, Iowa State University, U.S. Environmental Protection Agency, George Washington U., ICMAIF, Association of Environmental and Resource Economists Summer Meeting, PERC Workshop on Market Adaptation to Climate Change

2014: University of Calgary, Resources for the Future, 18th International Conference on Macroeconomic Analysis and International Finance, University of Minnesota Heller-Hurwicz Economics Institute Conference on ‘Developing the Next Generation of Economic Models of Climate Change’, ETH Zurich, Graduate Institute Geneva

2013: Northwestern University Kellogg School of Management, Toulouse School of Economics, University of Maryland AREC, University of British Columbia, Arizona State University, Sciences Po, University of Bern, Institute for International Economic Studies, 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE) Toulouse, University of Alberta School of Business

2006-2012: Oxford OxCarre, Cowles Foundation Conference on Macroeconomics and Climate Change, Northeast Workshop on Energy Policy and Environmental Economics, ASSA Annual Meeting 2011 (disc.), EAERE 2008, International Workshop on Legal Issues for Clean Energy and Climate Change, Tsinghua University, Beijing

Fellowships, Honors and Awards:

European Award for Researchers in Environmental Economics under the Age of Forty, European Association of Environmental and Resource Economists (2023)

Brown University Wriston Fellowship (‘excellence in teaching and scholarship’) (2017-18),

George Trimis Dissertation Prize (2013) Yale University Cowles Foundation Fellowship, (2008 –2012), Student Marshal, University of Chicago (2006), Phi Beta Kappa (2006)

Refereeing:

American Economic Review, Review of Economic Studies, Journal of Political Economy, Quarterly Journal of Economics, Review of Economic Dynamics, Journal of Economic Theory, American Economic Journal: Macroeconomics, American Economic Journal: Policy, American Economic Journal: Applied, Macroeconomic Dynamics, Economic Journal, Journal of Public Economics, Journal of Environmental Economics and

Management, International Journal of Industrial Organization, Environmental and Resource Economics, Journal of Economic Growth, Journal of Economics & Management Strategy, Economic Inquiry, Journal of Economic Dynamics and Control, Journal of Urban Economics, International Economic Review, Energy Economics, Journal of Economic Behavior and Organization, Journal of Development Economics, Climatic Change, AER Insights, Journal of Money, Credit, and Banking, Proceedings of the National Academy of Sciences, European Economic Review

Teaching:

Ph.D. Level:

- Environmental Macroeconomics – UCSB: Winter 2021, Fall 2021
- Special Research Topics in Environmental Economics – UCSB: Fall 2020 - present
- Climate Change Economics - American Economic Association, Continuing Ed.: Jan. 2020
- Berkeley Summer School in Environmental and Energy Economics, August 2018
- “General Equilibrium” section of Microeconomic Applications in Agricultural and Resource Markets – U. Maryland, Spring 2015
- Environmental Taxation and Regulation – U. Maryland, Spring 2014

Masters Level:

- Climate Economics and Finance – ETH Zurich, Spring 2023

Undergraduate Level:

- Principles of Macroeconomics – UCSB: Spring 2021, Fall 2021, Spring 2022
- Environmental Economics and Policy – Brown U.: Fall 2015, 2016, Spring 2018
- Intermediate Microeconomics – Brown U.: Fall 2016, Spring 2018
- Econometric Applications in Ag. and Natural Resource Econ. – U. Maryland: Fall 2014
- Intermediate Applied Microeconomics – U. Maryland: Fall 2014

Ph.D. Advising (Dissertation Committee Member unless otherwise noted):

Selina Schön (2023 – present, Chair); Lukas Balzer (2022 – present, Chair); Gustav Fredericksson (2022 – present); Woongchan Jeon (2019 – 2023); Gregory Casey (2016 – 2018); Christy (Yichen) Zhou (Spring 2014-2016); Davide Cerruti (Spring 2014-2016); Michael H. Taylor (2014); Casey Wichman (2014-2015)

Professional Service and Activities:

Policy and Public Engagement:

Author, 5th U.S. National Climate Assessment, Economics Chapter, 2021 – present

Panelist Speaker, G20 International Conference on Climate Change, “Policy Panel on Global Coordination and Policies for Emerging and Advanced Countries,” July 2021

Panelist Speaker and organizing committee member of “America’s Climate Change Future” workshop with U.S. Senator Sheldon Whitehouse and Brown University, Providence, RI, February 2019

Panelist Speaker representing RIPL to U.S. Commission on Evidence-Based Policy, Second Public Hearing, Chicago, IL, January 5, 2017

Panelist Speaker: “Opportunities in Sustainable Investing”, Brown Financial

Symposium, New York City, NY, April 2016

Climate Science Day 2014: Served as delegate on multi-disciplinary teams meeting with U.S. congressional offices and committee staff. Organizing host: Council on Food, Agricultural, and Resource Economics (C-FARE). January 2014

Independent Consultant to U.S. National Research Council “Committee on the Effects of Provisions in the Internal Revenue Code on Greenhouse Gas Emissions” 2011-2012

Academic:

Co-Organizer, National Bureau of Economic Research Conference on “The Economics of Decarbonizing Industrial Production”, September 2023

Co-Organizer, National Bureau of Economic Research EEE Spring Meetings, 2022

Program Committee Member: Society for Economic Dynamics 2018, 2019; Northeast Workshop on Energy Policy and Environmental Economics 2019

Media Mentions and Interviews:

[Financial Risks of Climate Change](#), *Webcast, UBS Center*, 05/2023

[Growth from Failure](#), *Podcast, Vinh Hinh*, 03/2022

[Beyond Reproach – Can An Advertising Campaign Act as a Kind of Corporate Insurance in a Disaster?](#) *AEA Research Highlights*, 04/2020

[Tool projects flood-damage risks to coastal homes](#), *The Providence Journal*, 03/2020

[The Housing Market Is Fueling Our Collective Climate Denial](#), *VICE News*, 11/2019

[Sea-level rise is eroding coastal property values, speaker says at Providence conference](#), *The Providence Journal*, 10/2019

[Could climate change spark the next financial crisis? Economists Lint Barrage and Armon Rezai warn about the financial consequences of climate action and inaction](#), *Financial Times Alphachat*, 02/2019

[Risk of sea level rise ‘hasn’t hit home’ for coastal R.I. property owners, experts say](#), *The Providence Journal*, 02/2019

[Sheldon Whitehouse featured at America’s Climate Change Future mini conference at Brown University](#), *UPRISE RI*, 02/2019

[If Americans Keep Ignoring Flood Risk, We Could Face a Housing-Market Crash](#), *Pacific Standard*, 05/2018

[Brown University Professor Discusses Local Impacts Of Offshore Drilling](#), *Rhode Island Public Radio*, 01/2018

[Shore Dwellers Perceive Less Risk from Flooding](#), *NBER Digest*, 12/2017

[Study: Green Advertising Helped BP Recover from the Deepwater Horizon Spill](#), *Harvard Business Review*, 02/2014

Blogs:

[Q&A with Lint Barrage about Climate Change, Flood Risk, and the Housing Market](#), *UVA Darden Global Water Blog*, UVA Darden Global Water Blog, 03/2019

[Lint Barrage on climate change and capital taxation](#), *Marginal Revolution*, 02/2019