

JOAKIM A. WEILL

Federal Reserve Board
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Current Appointment and Affiliations

2022–present Climate Economist, *Federal Reserve Board, Washington D.C.*
Research & Statistics Division

2022–present The Environmental Inequality Lab, Research Affiliate, *UVA*

2020–present Flood Lab Affiliate, *The First Street Foundation*

Education

2022 PhD, Agricultural and Resource Economics, *UC Davis*

“Environmental Inequalities and Social Protection” (link)

Committee: Michael Springborn, Katrina Jessoe, Marianne Bitler, Ashish Shenoy

2016 MSc Environmental Economics, *Université Paris-Saclay*

2016 MEng Environmental Sciences and Agronomy, *AgroParisTech*

Visiting Pontificia Universidad Católica de Chile, 2014

2012 Classes Préparatoires BCPST, *Lycée Joffre, Montpellier, France*

Research Interests: Climate Change – Environmental Inequalities – Social Insurance

Publications

“Unpriced Climate Risk and the Potential Consequences of Overvaluation in US Housing Markets”. Jesse Gourevitch, Carolyn Kousky, Yanjun (Penny) Liao, Christoph Nolte, Adam Pollack, Jeremy Porter, and Joakim A. Weill. **Nature Climate Change**, 2023. Article

Press: Washington Post, Scientific American, The Economist, FT, Bloomberg (100+ outlets)

Outreach: Nature Research Brief, Environmental Defense Fund, First Street Foundation

“Amphibian Collapses Increased Malaria Outbreaks in Central America” Michael R. Springborn, Joakim A. Weill, Karen R. Lips, Roberto Ibáñez and Aniruddha Gosh. **Environmental Research Letters**, 2022. Article

Press: WIRED, GRID, The Atlantic, Le Monde, Hindustan Times, The Guardian (50+ outlets)

“Exposures and Behavioral Responses to Wildfire Smoke”. Marshall Burke, Sam Heft-Neal, Jessica Li, Anne Driscoll, Patrick W. Baylis, Matthieu Stigler, Joakim A. Weill, Jennifer Burney, Jeff Wen, Marissa Childs, and Carlos Gould. **Nature Human Behavior**, 2022. Article

Press: The Guardian, SF Chronicle, NBC Bay Area

“Untapped Potential: Leak Reduction is the Most Cost-effective Urban Water Management Tool”. Amanda Rupiper, Joakim A. Weill, Ellen Bruno, Katrina Jessoe, and Frank Loge. **Environmental Research Letters**, 2022. Article ARE Update

- “Social Distancing Responses to COVID-19 Emergency Declarations Strongly Differentiated by Income”. Joakim A. Weill, Matthieu Stigler, Olivier Deschenes and Michael R. Springborn. **Proceedings of the National Academy of Sciences**, 2020. Article
Press: WIRED, Los Angeles Times, National Geographic, The New York Times (50+ outlets)
- “Spatial Preferences for Invasion Management: a Choice Experiment on Controlling *Ludwigia grandiflora* in a French Regional Park”. Douadia Bougherara, Pierre Courtois, Maia David and Joakim A. Weill (predoctoral work). **Biological Invasions**, 2022. pre-print
- “A Cost-Benefit Approach for Prioritizing Invasive Species”. Pierre Courtois, Charles Figuières, Chloé Mulier and Joakim A. Weill (predoctoral work). **Ecological Economics**, 2018. Article pre-print
Press: Dialogues Economiques (in French)

Working Papers

- “Flood Risk Mapping and the Distributional Impacts of Climate Information” (FEDS WP)
 2023 FAERE Best Paper Award
 Subsumes the paper “Perilous Flood Risk Assessments”
- “Housing Assistance, Neighborhood Quality, and Source of Income Discrimination” (with John Voorheis)
- “Researcher’s Degrees-of-flexibility: Revisiting COVID-19 Policy Evaluations” (with Matthieu Stigler, Olivier Deschenes and Michael Springborn), NBER, **under review**
- “Social Insurance and Labor Supply: Evidence from Uber Drivers” (with Timothy Beatty)

Work in Progress

- “Fertility and Environmental Inequalities in the United States” (with John Voorheis)
- “Flood Risk Mapping: is there a Blue-lining Effect?” (with Carolyn Kousky and Yanjun Liao)
- “Climate Change, Insurance, and the Regulation of a Crashing Market” (with Reid Taylor and Madeline Turland)
- “On Zoning” (with a big team)
- “Financing the Energy Transition” (with Josh Blonz and Cooper Howes)

Awards and Honors

- 2023 FAERE Young Economist Best Paper Award
- 2023 AAEA Outstanding Doctoral Dissertation Award
- 2021 ADQ Scholar, UCD Feminist Research Institute
- 2019 California Water Data Challenge Award (with a team)
- 2018 UC Davis Outstanding Graduate Student Teaching Award

Research Grants and Fellowships

- 2021 Henry A. Jastro Graduate Research Scholarship Award (\$2,000)
- 2021 Provost's Fellowship in the Arts, Humanities and Social Sciences (\$47,000)
- 2020 UCOP Emergency COVID-19 Research (with Michael Springborn, \$25,000)
- 2020 Center for Data Science and Artificial Intelligence Research Grant
(with Michael Springborn, Jay Lund and Kathleen Schaeffer, \$40,000)
- 2020 UC Network on Child Health, Poverty and Public Policy (with Derek Rury, \$1,500)
- 2019 Berkeley Federal Statistical Research Data Center Access Fee Waiver
- 2019 John Muir Institute of the Environment Graduate Fellowship (\$5,000)
- 2016 Department Fellowship, Agricultural & Resource Economics, UC Davis

Seminars and Conference Presentations

- 2024 University of Pittsburgh (**scheduled**)
- 2023 ASSA Annual Meeting (New Orleans, LA) – Office of the Comptroller of the Currency (Treasury Department, Washington, D.C.) – City University of New York, Queens College Economics Department – Financial Stability Oversight Council, Climate Scenario Analysis Working Group (Treasury Department, Washington, D.C.), American Real Estate and Urban Economics Association, discussant (Washington, D.C.), FAERE Annual Conference (Montpellier, France), SF Fed System Climate Meetings, FHFA Climate Meetings, discussant (Washington, D.C.), Conference on Frictions in Real Estate and Infrastructure Investment (Washington, D.C., **scheduled**)
- 2022 APPAM Annual Conference (Washington, D.C.) – UEA North American Meeting (Washington, D.C.) – Federal Emergency Management Agency Quarterly Partners Engagement Meeting – Freddie Mac Climate Risk Seminar Series – WEAI Annual Conference (Portland, OR) – University of British Columbia, Faculty of Land and Food Systems – University of Alaska-Anchorage – Southern Methodist University – Federal Reserve Board – Colby College – Harvey Mudd College – University of Wisconsin-Madison, Agricultural and Applied Economics
- 2021 University of Pennsylvania, Wharton Risk Management and Decision Processes Center – University of Georgia, Agricultural & Applied Economics – First Street Foundation Flood Lab – Agricultural and Applied Economics Association GSS Series – Urban Economic Association North America Meetings – CU Environmental and Resource Economics Workshop, Vail, CO – UCD Center for Poverty and Inequality Research – University of Chicago HCEO Summer School on Socioeconomic Inequalities – Western Economic Association (AERE@WEAI) – Center for Environmental Data Science and Artificial Intelligence Research (CEDAR) – CEGA/World Bank Emerging Data and Methods in Global Health Research – INRAE/AgroParisTech Economics seminar series – Eastern Economic Association (AERE@EEA) – Berkeley Initiative for Transparency in the Social Sciences (BITSS)
- 2020 American Geophysical Union Fall Meeting (AGU) – UC GIS Week – Agricultural and Resource Economics Discussions (webinar series) – UC Network on Child Health, Poverty and Public Policy – Climate Adaptation Research Symposium (UCLA) – EAERE Winter School (ETH-Zurich, Switzerland)
- 2019 Association of Environmental and Resource Economists (AERE, Lake Tahoe)

Invited Workshops (one week and longer)

- 2021 University of Chicago HCEO, Summer School on Socioeconomic Inequalities
- 2020 ETH Zurich, EAERE Winter School in Environmental and Spatial Economics
- 2018 Stanford University, New Initiative for Computational Economics, Hoover Institution
- 2018 UC Berkeley, Berkeley Summer School in Environmental Economics & Energy

Community and Service

- 2022 – present Climate Change and Economic Activity Seminars, Federal Reserve Board
- 2020 – 2022 Co-organization of the NatuRE Policy Lab, weekly meetings
- 2020 – 2022 Inclusion and Diversity Graduate/Faculty working group
- 2020 Co-organization of the anti-racism in economics reading group
- 2017 – 2022 Founder of the PhD Maths Workshop “Proving stuff without freaking out”, annual lectures to 1st year PhD students

Other Employment

Research Assistant

- Spring 2019 – Winter 2020 with Katrina Jessoe, UCD
- Winter 2018 – Fall 2019 with Michael Springborn, UCD

Teaching Assistant

- Spring 2020 Government Regulation ARE 146 (B.Sc.), with Katrina Jessoe, UCD
- Fall 2017, 2018 Microeconomic Analysis ARE 204 (M.Sc.), with Pierre Mérel, UCD
- Spring 2017 Investments ARE 143 (B.Sc.), with John Constantine, UCD

Consultant

- Natural Resources Management, The World Bank
- 2015-2017 Initially full-time in Washington D.C., then part-time and remote

Research Assistant

- Center for Environmental Economics, *Montpellier, France*
- Winter, Spring 2016 Economics of biological invasion management

Software, Languages and Misc

- Computing R (advanced), Stata, SAS, Julia (learning)
- Languages French (native), English (fluent), Spanish (advanced), Mandarin (basics)
- Miscellaneous Census Bureau Special Sworn Status (since 2019)

Past Affiliations

- 2021 - 2022 Wharton Risk Management and Decision Processes Center Student Fellow, UPenn
- 2019 - 2022 Center for Poverty and Inequality Research, UC Davis
- 2018 - 2022 John Muir Institute of the Environment, UC Davis
- 2017 - 2022 NatuRE Policy Lab, UC Davis