UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

DEPARTMENT OF AGRICULTURAL AND CONSUMER ECONOMICS

Andrew Hultgren

Contact Information

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Academic Appointments

Assistant Professor Department of Agricultural and Consumer Economics, National Center for Supercomputing Applications (secondary appointment), University of Illinois, Urbana-Champaign	2022 –
Postdoctoral Scholar Energy Policy Institute at the University of Chicago, Department of Economics, University of Chicago	2020 – 2022

Professional Affiliations

Faculty Affiliate, National Center for Supercomputing Applications, UIUC	2022 –
Faculty Affiliate, Center for Digital Agriculture, UIUC	2022 –
Faculty Affiliate, Center for Latin American and Caribbean Studies, UIUC	2022 –
Fellow, Climate Impact Lab	2016 –
Doctoral Fellow, Global Policy Lab	2016 – 2020

Education

UC Berkeley	Ph.D., Agricultural and Resource Economics	2020
UC Berkeley	M.S., Agricultural and Resource Economics	2017
UC Berkeley	Master of Public Policy, Goldman School of Public Policy (GSPP)	2015
Princeton University	B.S.E., Chemical Engineering	2002

Published and Accepted Papers

"Impacts of climate change on global agriculture accounting for adaptation", Andrew Hultgren et al. *Nature*, 2025. Available here.

"HarvestStat: a global effort towards open and standardized sub-national agricultural data", with Kyle Frankel Davis et al. *Env. Res. Let.* 2025. Available here.

"Valuing the global mortality consequences of climate change accounting for adaptation costs and benefits", with Tamma Carleton et al. *Quarterly Journal of Economics*, 2022. Available here.

"Estimating a social cost of carbon for global energy consumption", with Ashwin Rode et al. *Nature*, 2021. Available here.

"The effect of large-scale anti-contagion policies on the coronavirus (COVID-19) pandemic", with Solomon Hsiang et al. *Nature*, 2020. Available here.

Working Papers

"Innovation and lobbying in response to regulatory uncertainty" (Hultgren 2026) Available here.

"Is Workplace Temperature a Valuable Job Amenity? Implications for Climate Change" (with Rode et al. 2022) Available here. *R&R at Journal of Political Economy (Resubmitted)*

"Pollution and Health Consequences of Distortionary Fertilizer Subsidies" (with Gowthami Venkateswaran, Kathy Baylis, and Hemant Pullabhotla) Available here.

"The local damages from global climate change" (with Carleton et al. 2026) Available here.

Research in Progress

"Extreme Weather and Early Childhood Stunting Among the Global Poor" (with Hannah Kim and Sarah Janzen)

"From Forecasts to Fields: How Agro-Dealers Shape Input Availability for Climate Adaptation" (with Hanna Willwerth, Hope Michelson, and Sarah Janzen)

"Temperature Extremes, Blackouts, and Mortality: Evidence from High-Frequency Power Outage Data" (with Melissa Carson)

"The Global Inequality Implications of Climate Change" (Jina, Hultgren, Rising, Rode et al.)

"The Welfare Economics of a Data-Driven Social Cost of Carbon" (with Nath, McCusker et al.)

"Climate Change and Crop Choice: Evidence from a Global Panel" (Hultgren et al.)

"Are consumers willing to pay to avoid price uncertainty? Evidence from the vehicle leasing market" (with Scott Kaplan and Derek Wolfson)

Teaching

ACE 510: Natural resource economics (PhD field)	UIUC	Spring 2023, 24, 25, 26
ACE 264: Stats & data analytics II (Undergraduate)	UIUC	Spring 2023, 24, 25, 26
PP210A: Microeconomic theory (Master of Public Policy)	GSPP, UC Berkeley, Asst. to Steve Rafael	Fall 2015
PP210B: Microeconomic theory (Master of Public Policy)	GSPP, UC Berkeley, Asst. to Daniel Acland	Spring 2015

Fellowships and Awards

UIUC List of Teachers Ranked as Excellent	2024, 2025, 2026
NSF Fellow, Data Science for the 21^{st} Century (DS421)	2015 – 2018
Outstanding Graduate Instructor, UC Berkeley	2015
Honorable Mention, NSF Graduate Research Fellowship Program	2015
Departmental Fellowship, Goldman School of Public Policy (UC Berkeley)	2013
The Climate Registry Technical Expert Panel, Electric Power Sector Protocol (member)	2009

Grants

Natural Resources Defense Counsel ($500,000; co-PI)	2026
Climate Impact Lab ($121,000; PI)	2026
University of Illinois, ACES ($60,000; PI)	2025
Confidential (private sector) ($50,000; PI)	2024
University of Illinois, iSEE ($30,000; PI)	2024
Environmental Protection Agency ($29,000; co-PI)	2023

Past Employment

Graduate Student Researcher, Agricultural & Resource Economics	2015 – 2016
Project Manager, SWCA Environmental Consultants	2007 – 2011
Process Research Engineer, Rohm and Haas Company	2002 – 2006

Academic Presentations

University of Minnesota (2026), NBER Spring EEE (2026), University of Toronto Meeting on the Economics of Climate Change (Presenter and Discussant, 2026), Midwest Economics Association (Presenter and Discussant, 2026), LSE/Imperial Environmental Economics Workshop (2025), University of British Columbia (2025), University of Toronto (2025), University of Chicago (2025), Iowa State University (2025), University of California Santa Barbara (2025), AAEA Annual Meeting (2025), The Occassional Workshop in Environmental and Resource Economics (UCSB, 2024), DePaul University (2024), Agriculture and Climate Change Workshop (Harvard, 2024), AERE (2024), NBER Spring Environment Meeting (Discussant, 2024), NBER Distributional Impacts of Climate Change on the Agriculture Sector Conference (2023), Conference on the Political Economy of Environmental Sustainability (Stanford GSB, 2023), The Workshop on Environmental Economics and Data Science (2023), Preparing for a Changing Climate (Stanford Doerr, 2023), Africa Meeting of the Econometric Society (2023), ASSA Session "Energy and Environmental Innovation" (2023), U. Chicago Institute for Mathematical and Statistical Innovation (2022), U.S. Climate Alliance (2022), NBER SI EEE (eggtimer, 2022), National Center for Supercomputing Applications (eggtimer, UIUC, 2022), UChicago EPIC (2021), Berkeley ERE (2021), Valparaiso University Spring Environmental Symposium (2021), UChicago EPIC (2021), CA Public Health Leadership Forum (2020), UC Berkeley ERE (2019), UCSB Occasional Conference (Egg Timer, 2019), UC Berkeley Climate Change Economics Lunch (2019), AERE Spring Conference (2019), U of Oregon TWEEDS (2019), UC Berkeley ERE (2018), UC Berkeley Climate Change Economics Lunch (2018), Columbia University Interdisciplinary Ph.D. Workshop in Sustainable Development (2018), UC Berkeley ERE (2017)

Public Engagement

U.N. Secretary General, Climate Action Team: Advisory discussion, climate change and global adaptation
Gates Foundation: Climate and agriculture in the developing world
U.N. Development Programme: Advisory discussion and report reviewer to Climate Change, Agricultural Yields, and Human Development (Jahic, Tapia, and Depsky, UNDP, Nov. 2025)
"Climate Experts' Review of the DOE Climate Working Group Report" (Chapt. 9)
Available here
Research cited in the Economic Report of the President [of the United States], Chapter 6 (2024)
"Estimating Wildfire-Related Damages from Climate Change" analysis for U.S. EPA (lead author, 2024)
Research deployed in novel U.N. Development Programme "Human Climate Horizons" platform (2023–)
Available here.
Research cited in EPA "Report on the Social Cost of Greenhouse Gases: Estimates Incorporating Recent Scientific Advances" (2023)
Available here, White House Fact Sheet here.
Research cited in the Economic Report of the President [of the United States]: Chapters 1 and 2 (2023)
Research cited in the U.S. Fifth National Climate Assessment (Economics Chapter) (2023)
Presentation to U.S. Climate Alliance States: "A multisectoral update of the social cost of carbon" (2022)
Presentation and public Q&A at the Calgary Conference on Climate Change: "Multisectoral estimates of the economic impacts of climate change" (2022)
Presentation to Illinois Agri-Food Climate Vision Sprint (2022)
Presentation to the California Medical Leadership Forum on Public Health (2020)

Service

Guest Editor for *Proceedings of the National Academy of Sciences*, 2025
Graduate Program Committee (Re-design of the PhD core), UIUC ACE, 2022 –
Co-organizer, Department Training in Restorative Justice, UC Berkeley ARE, 2020
Coauthor, ARE Student Letter on Equity and Inclusion, UC Berkeley ARE, 2020
Co-presenter, Gender and URM Diversity at ARE, UC Berkeley ARE, 2018
Co-president, Environmental Policy Group, UC Berkeley GSPP, 2014 – 2015

Refereeing: American Economic Journal: Economic Policy, American Economic Review: Insights, American Journal of Agricultural Economics, Climatic Change, Earth's Future, Econometrica, The Economic Journal, International Journal of Environmental Research and Public Health, Journal of the Association of Environmental and Resource Economists, Journal of Development Economics, Journal of Econometrics, Journal of Public Economics, Management Science, Nature Climate Change, Nature Communications, Nature Food, One Earth, Proceedings of the National Academy of Sciences, Quarterly Review of Economics and Finance, Review of Economics and Statistics, Science, Science Advances, Scientific Reports

Grant Review: National Science Foundation (x2); Social Sciences and Humanities Research Council of Canada; Environmental Defense Fund

Languages

English (native), Spanish (advanced), French (intermediate)