Simon Greenhill

sgreenhill@berkeley.edu ⬦ simondgreenhill.github.io

Education

University of California, Berkeley

Ph.D. in Agricultural and Resource Economics	In progress
Advanced to candidacy in June 2023	
M.S. in Agricultural and Resource Economics	2022
B.A. in Economics and Arabic	2018
High Distinction in General Scholarship	
High Honors in Economics	

Fields of interest

Environmental economics, machine learning for remote sensing, development economics, international trade

Publications

*Authors ordered according to contribution, with senior author as last author. * denotes equal contribution.*

Simon Greenhill, Hannah Druckenmiller*, Sherrie Wang*, David A. Keiser, Manuela Girotto, Jason K. Moore, Nobuhiro Yamaguchi, Alberto Todeschini, and Joseph S. Shapiro, "Machine Learning Predicts Which Rivers, Streams, and Wetlands the Clean Water Act Regulates" *Science* **383** (2024). DOI: [10.1126/science.adi3794](https://doi.org/10.1126/science.adi3794)

Solomon Hsiang, **Simon Greenhill**, Jeremy Martinich, Monica Grasso, Rudy M. Schuster, Lint Barrage, Delavane B. Diaz, Harrison Hong, Carolyn Kousky, Toan Phan, Marcus C. Sarofim, Wolfram Schlenker, Benjamin Simon, and Stacy E. Sneeringer, 2023: Ch. 19. Economics. In: *The Fifth National Climate Assessment.* DOI: [10.7930/NCA5.2023.CH19](https://doi.org/10.7930/NCA5.2023.CH19)

Working papers

Simon Greenhill, Solomon Hsiang, Clare Balboni, Lint Barrage, Ian Bolliger, Judson Boomhower, Delavane Diaz, Hannah Druckenmiller, Teevrat Garg, Miyuki Hino, Harrison Hong, Carolyn Kousky, Jeremy Martinich, Ishan Nath, Kimberly Oremus, R. Jisung Park, Toan Phan, Jonathan Proctor, Will Rafey, Marcus Sarofim, Wolfram Schlenker, Benjamin Simon, and Stacy Sneeringer, "Preparing the Economy for Climate Change" (submitted).

Jonathan Proctor*, Tamma Carleton*, Trinetta Chong, Taryn Fransen, **Simon Greehill**, Jessica Katz, Hikari Murayama, Luke Sherman, Jeanette Tseng, Hannah Druckenmiller, and Solomon Hsiang, "Mapping over 100 variables using an image of Earth" (submitted).

Service

Economics Chapter, Fifth National Climate Assessment	
Lead Chapter Author	2023
Chapter Author	2022-2023
Technical Contributor	2021-2022
Mentor, Initiative on Equity in Energy and Environmental Economics	2022-2023
Student Representative, UC Berkeley ARE Committee on Diversity, Equity, and Inclusion	2021-2022

Professional experience

Doctoral Fellow, Global Policy Laboratory, UC Berkeley	2021-present
Graduate Student Researcher for Joseph S. Shapiro, UC Berkeley	2022-2023
Graduate Student Researcher for Solomon Hsiang, UC Berkeley	2021-2023
Graduate Student Researcher for Maximilian Auffhammer, UC Berkeley	2020-2021
Pre-Doctoral Fellow, Energy Policy Institute at Chicago and Climate Impact Lab	2018-2020

Teaching experience

Graduate Student Instructor for *Spatial Data and Analysis* (master's level), UC Berkeley Average student evaluation score: 4.9/5.0	Fall 2022

Honors and awards

Giannini Foundation for Agricultural Economics Fellowship	2024
California Policy Lab Graduate Fellowship	2023
Sidney Hoos Award for best second year paper, UC Berkeley ARE	2022
M.J. Vlamis Graduate Student Support Fund awardee, UC Berkeley RCNR	2022
Initiative of Equity in Energy and Environmental Economics mentorship grant	2022
Phi Beta Kappa, UC Berkeley	2018

Conference and seminar presentations

2024	Trout Unlimited; Morgan Stanley; Association of Clean Water Administrators; UC Berkeley Environment, Resource, and Energy Economics seminar; Columbia IP-WSD*; ELI*
2023	U.S. EPA Office of Water; U.S. Treasury Office of Financial Research; UC Berkeley Environment, Resource, and Energy Economics seminar; UC Berkeley Remote Sensing Reading Group; AGU (2 sessions)
2022	TWEEDS; *Land Economics* ZTRAX Workshop

* indicates scheduled presentations

Referee Service

Nature Scientific Data

Skills

Programming languages	Python, R, Stata (advanced); Bash (basic)
World languages	French (bilingual), Spanish (advanced), Arabic (proficient)
Software	LaTeX(advanced); QGIS/ArcGIS (intermediate)