Sandy Sum

Ph.D. Candidate · Economics & Environmental Science

University of California, Santa Barbara, California 93106

Educatio	n	
PH.D. Eco	Barbara (UCSB) NOMICS & ENVIRONMENTAL SCIENCE E: Tamma Carleton (Chair), Chris Costello, Olivier Deschênes, Kyle Meng	2019 - present
UC Santa M.A., Econ		2015-2016
National U B.A., Econ	Jniversity of Singapore NOMICS	2009 - 2013
Utrecht U VISITING S	niversity fudent, Economics Department	2012
Research	Positions	
2024 2023-2024 2020-2021 2016-2019 2015-2016	Graduate Student Researcher, Green Water Economics, UCSB emLab (PI: Tamma Carleton & Ram Fishman) Graduate Associate, UCSB Broom Center for Demography Graduate Student Researcher, California EPA Carbon Neutrality Study, UCSB emLab Research Analyst, Quantifying Sustainable Development, UC Berkeley Global Policy Lab (PI: Solomon Hsiang) Ecological Data Intern, National Center for Ecological Analysis and Synthesis	
Working	Papers	
Sum, S. "A	ssessing the Impact of Droughts on Drinking Water Disparities in California" (v	inder review)
	Carleton, T., and Sum, S. . "Parameter recovery with remotely sensed variables authorship; order randomized)	s" (in prep) link
Sum, S. "D	istributional consequences of agricultural groundwater markets in California"	
Publicati	ons	
Sum, S	R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., S., Thivierge, V., Uppal, A., Lea, D., & Meng, K. "Well setbacks limit California benefits and employment losses than excise and carbon taxes" <i>Nature Energy</i> . Personal Research of the Control of the	's oil supply with larger
Sum, S	R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., S., Thivierge, V., Uppal, A. & Meng, K. "Equitable low-carbon transition pathyon" <i>Nature Energy</i> , May 2023.	
Policy Re	eports	

Commissioned report for California EPA with emLab, 2021

"Enhancing equity while eliminating emissions in California's supply of transportation fuels"

March 2024 Sandy Sum · Curriculum Vitae

Awards, Fellowships, & Grants_

2024 **Graduate Summer Research Fellowship**, Property & Environmental Research Center (PERC)

2023 Bren Summer Research Fellowship, UCSB Bren School

2022 California Coastal Regional Equity Research Award, UCSB Blum Center H. William Kuni Research Award, (with Anna Boser) UCSB Bren School Berkeley Summer School in Environmental and Energy Economics Diversity Fellow, UC Berkeley & Sloan Foundation

Bren Summer Research Fellowship, UCSB Bren School

Travel Grant (x3), UCSB Bren School & Graduate Student Association

2021 Graduate Summer Fellowship Grant, California Policy Lab Bren PhD student grant for equity research, UCSB Bren School

Presentations_

May 2024. Summer Conference, AERE (Accepted)

April 2024. Interdisciplinary PhD Workshop on Sustainable Development at Columbia University (Accepted)

October 2023. Engaging The World panel on Health Equity at Chapman University

2021 & 2023. The Bren School PhD Research Symposium

April 2023. The Occasional Workshop in Environmental and Resource Economics at UCSB

October 2022. The Workshop in Environmental Economics and Data Science at the University of Oregon

September 2022. Social Cost of Water Pollution Workshop at Cornell Atkinson Center for Sustainability & US EPA

August 2022. Berkeley/Sloan Summer School in Environmental and Energy Economics

April 2022. Interdisciplinary PhD Workshop on Sustainable Development at Columbia University

May 2022. Annual Environmental Justice Symposium at the Bren School

Teaching Experience _____

Teaching Assistant, University of California, Santa Barbara

Spring 2022 & 2023 Economics of Environmental Management (ESM 204), Profs. Christopher

Costello and Tamma Carleton

Fall 2022 & 2023 Statistics for Environmental Data Science (EDS 222), Prof. Tamma

Carleton

Winter 2021 Environmental Economics (ECON 115), Prof. Kyle Meng

Student Q&A respondent

November 2023 BREAD-IGC Virtual PhD Course on Environmental Economics, Prof.

Tamma Carleton

Professional Activities 2023 Bren School Masters in Environmental Data Science Lecturer Search Committee, Student Representative Economics and Environmental Science Student Group, Student

Representative

2021 The Bren School PhD Research Symposium, Committee Member