Sandy Sum

Ph.D. Candidate · Economics & Environmental Science

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Educatio	on	
PH.D. Eco	Barbara (UCSB) NOMICS & ENVIRONMENTAL SCIENCE E: Tamma Carleton (Chair), Chris Costello, Olivier Deschênes, Kyle Meng	2019 - present
UC Santa M.A., Eco		2015-2016
National B.A., Eco	University of Singapore NOMICS	2009 - 2013
Utrecht U Visiting s	Jniversity Tudent, Economics Department	2012
Research	Positions	
2024 2023-2024 2020-2021 2016-2019 2015-2016	Graduate Student Researcher, Green Water Economics, UCSB emLab (Ram Fishman) Graduate Associate, UCSB Broom Center for Demography Graduate Student Researcher, California EPA Carbon Neutrality Study Research Analyst, Quantifying Sustainable Development, UC Berkeley Gl Solomon Hsiang) Ecological Data Intern, National Center for Ecological Analysis and Synt	r, UCSB emLab obal Policy Lab (PI:
Working	Papers	
	Distributional Implications of Environmental Markets: Insights from California narket paper)	a Groundwater"
	Carleton, T., and Sum , S. . "Parameter recovery with remotely sensed variable authorship; order randomized)	oles" (under review)
Publicat	ions	
Sum, S. "In August	mpact of Droughts on Served Drinking Water Disparities in California, 2007–20 2024.	20." Am. J. Public Health,
Sum, S	R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, S., Thivierge, V., Uppal, A., Lea, D., & Meng, K. "Well setbacks limit Californ benefits and employment losses than excise and carbon taxes" <i>Nature Energy</i> .	nia's oil supply with larger
Sum,	R., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, S., Thivierge, V., Uppal, A. & Meng, K. "Equitable low-carbon transition paion" <i>Nature Energy</i> , May 2023.	C., Magin, T., Meng, M., athways for California's oil
Policy R	eports	
"Enhancing	equity while eliminating emissions in California's supply of transportation fu	els"

Commissioned report for California EPA with emLab, 2021

Awards, Fellowships, & Grants_____

2024	Graduate Summer Research Fellowship, Property & Environmental Resear	cch
	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 ____

September 2024. Environmental & Resource Economics Workshop at CU Boulder

August 2024. Water Markets for Conservation Workshop, Property & Environment Research Center

June 2024. Summer Seminar Series, Property & Environment Research Center

May 2024. Summer Conference, Association of Environmental and Resource Economists

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

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

Winter & Spring 2024	Master's Capstone Project Course (EDS 411A), Prof. Carmen Galaz García
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
2023	Committee, Student Representative
2022 progent	Economics and Environmental Science Student Group, Student
2022-present	Representative
2021-2022	The Bren School PhD Research Symposium, Committee Member