## Sandy Sum

Ph.D. Candidate · Economics & Environmental Science

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Education		
PH.D. ECON	Barbara (UCSB)  OMICS & ENVIRONMENTAL SCIENCE  ee: Tamma Carleton (Chair), Chris Costello, Olivier Deschênes, Kyle Meng	2019 - 2025 (expected)
UC Santa I M.A., Econo		2015 - 2016
National Units B.A., Econo	niversity of Singapore	2009 - 2013
Utrecht Un VISITING STU	iversity dent, Economics Department	2012
Research I	Positions	
2024 2023-2024 2020-2021 2016-2019 2015-2016	Graduate Student Researcher, Green Water Economics, UCSB Environmental PI: Tamma Carleton & Ram Fishman Graduate Associate, UCSB Broom Center for Demography Graduate Student Researcher, California EPA Carbon Neutrality Study, UCS Research Analyst, Quantifying Sustainable Development, UC Berkeley Global IPI: Solomon Hsiang Ecological Data Intern, National Center for Ecological Analysis and Synthesis	B emLab
Publicatio	ns	
Sum, S. "Im 2024.	pact of Droughts on Served Drinking Water Disparities in California, 2007–2020" An	m. J. Public Health, August
Thivierg	k., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., Magi e, V., Uppal, A., Lea, D., & Meng, K. "Well setbacks limit California's oil supply doyment losses than excise and carbon taxes" <i>Nature Energy</i> . Policy Brief, June 20	with larger health benefits
Thivierg	t., Weber, P., Deschenes, O., Hernandez-Cortes, D., Kordell, T., Mallow, C., Magie, V., Uppal, A. & Meng, K. "Equitable low-carbon transition pathways for Califor May 2023.	
Working F	apers	
	ading Water and Work: Labor and Production Shifts under California's Groundwaarket paper)	ter Markets"
	Carleton, T., and <b>Sum, S.</b> . "Parameter recovery with remotely sensed variables" (iuthorship; order randomized)	n prep)
Selected V	Vorks in Progress	
"The Unequa Ram Fis	l Economic Risks and Opportunities of Global Atmospheric Moisture Recycling" (shman)	(with Tamma Carleton and
"The Health	Impacts of Agricultural Water Savings in California's Central Valley" (with Anna l	Boser)
"Immigration Morales	Restrictions and Labor Market Outcomes: A Robust Replication" (with Jimes	na Rico-Straffon and Ruth
Policy Rep	oorts	
	nics of Water: Valuing the Hydrological Cycle as a Global Common Good" sioned report for Global Commission on the Economics of Water, 2024	

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

Commissioned report for California EPA with emLab, 2021

2	Graduate Summer Research Fellowship, Property & Environmental Research Center (PERC)
2	Bren Summer Research Fellowship, UCSB Bren School
2	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
24	Graduate Summer Fellowship Grant*, California Policy Lab Bren PhD student grant for equity research, UCSB Bren School
indicates grant i	s over \$10K
Presentations.	
2	24 Environmental & Resource Economics Workshop, CU Boulder Water Markets for Conservation Workshop, PERC Summer Seminar Series, PERC Summer Conference, Association of Environmental and Resource Economists Interdisciplinary PhD Workshop on Sustainable Development, Columbia
24	University  Engaging The World panel on Health Equity, Chapman University The Bren School PhD Research Symposium, UCSB Bren School
2	The Occasional Workshop in Environmental and Resource Economics, UCSB The Workshop in Environmental Economics and Data Science, University of Oregon Social Cost of Water Pollution Workshop, Cornell Atkinson Center for Sustainability & US EPA Berkeley/Sloan Summer School in Environmental and Energy Economics, UC Berkeley Annual Environmental Justice Symposium, UCSB Bren School Interdisciplinary PhD Workshop on Sustainable Development, Columbia
2	University  The Bren School PhD Research Symposium, UCSB Bren School
Teaching Expe	erience
	t, University of California, Santa Barbara
Spring 20 Winter 20	
Spring 2022 & 2	Economics of Environmental Management (ESM 204), Profs. Christopher Costello and Tamma Carleton
Fall 2022 & 20 Winter 20	23 Statistics for Environmental Data Science (EDS 222), Prof. Tamma Carleton
Student Q&A resp	oondent
November 2	BREAD-IGC Virtual PhD Course on Environmental Economics, Prof. Tamma Carleton
Professional A	ctivities
91	Bren School Masters in Environmental Data Science Lecturer Search
2022-pres 2021-2	ent Economics and Environmental Science Student Group, Student Representative