

BERKELEY CLIMATE MAP – Climate Finance and Economics MAR 2025

We encourage your inquiries, edits, and questions at bruceriodan@berkeley.edu and 510.306.0130

First	Last	Primary Affiliation	Summary	Selected Projects/Reports/Classes
David	Anthoff	RCNR - Energy Resources Group	<p>Environmental economist who studies climate change and environmental policy. Anthoff co-developed the integrated assessment model <i>FUND</i> that is used widely in academic research and in policy analysis. He has advised numerous organizations (including <i>US EPA</i> and the Canadian <i>National Round Table on the Environment and the Economy</i>) on the economics of climate change.</p> <p>CEEJ Affiliate</p>	<p>“Researchers provide social cost of carbon roadmap”</p> <p>In a recently published analysis in the journal <i>Nature</i>, a team of researchers lists a series of 8 measures the administration should consider in recalculating the SCC.</p> <p>Using ML to assess the economic impact of climatic change on agriculture, health, energy use, etc</p> <p>Climate Change Economics – ENERES C176 001 (FALL 2023)</p>
Max	Auffhammer	RCNR - Agricultural & Resource Economics	<p>Auffhammer’s research focuses on environmental and resource economics, energy economics and applied econometrics.</p> <p>CEEJ Affiliate</p>	<p>Climate change, the monsoon, and rice yield in India</p> <p>Disco Shower or Consumption Shaming (2023)</p> <p>Quantifying Economic Damages from Climate Change (2018) – Using ML to quantify climate impacts</p>

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				<p>Private and External Costs and Benefits of Replacing High-Emitting Peaker Plants with Batteries. Environmental Science and Technology. 57(12): 4992</p> <p>Climate Adaptive Response Estimation: Short And Long Run Impacts Of Climate Change On Residential Electricity and Natural Gas Consumption. 2022. Journal of Environmental Economics and Management. 122.</p>
Katherine	Baird	Haas	Director, Office of Sustainability and Climate Change	
	Berkeley Economy and Society Initiative (BESI)	L&S Social Sciences -- Social Science Matrix	<p>Paul Pierson Director</p> <p>New center at Berkeley supported by Social Science Matrix, housed in Letters and Science and funded by the Hewlett Foundation.</p> <p>Climate is one of 3 key themes for new BESI. Jonas Meckling leads this work.</p> <p>The Berkeley Economy and Society Initiative (BESI) champions next-generation thinking about markets, governance, and the social preconditions for developing and sustaining genuine prosperity.</p> <p>In advancing a new agenda for multidisciplinary research and informed policy conversation, we stress</p>	<p>The Climate Seminar at BESI – Spring 2024</p> <p>A \$10M seed grant from the Hewlett Foundation will support a new hub for research and teaching focused on the intersection of economics and government.</p>

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			the need to explore enduring inequalities of resources and power that frequently impede social progress.	
Severin	Borenstein	Haas - Energy Institute at Haas	<p>Faculty Director, Energy Institute at Haas</p> <p>Research interests</p> <ul style="list-style-type: none"> • Energy Policy and Climate Change • Electricity Deregulation, Market Formation and Competition • US and International Airline Competition • Oil and Gasoline Market Pricing and Competition 	<p>Current research projects include the economics of renewable energy, economic policies for reducing greenhouse gases, and alternative models of retail electricity pricing.</p> <p>“Expecting the Unexpected: Emissions Uncertainty and Environmental Market Design”</p>
	Center for Environmental Public Policy	Goldman	David Wooley, Director Dan Kammen, Faculty Director	Project 2025 – 4 reports on CA: Transportation, Electricity, Wind, Reconductoring
Jenny	Chatman	Haas	<p>Interim Dean, Haas School Business</p> <p>Haas includes an extensive menu of research centers and institutes, including:</p> <p>The Institute for Business Innovation The Institute for Business & Social Impact (IBSI) Center for Responsible Business The Energy Institute at Haas (EI) Cleantech to Market Berkeley Center for Economics and Politics Center for Social Sector Leadership Fisher Center for Real Estate and Urban Economics</p>	
	Cleantech to Market (C2M)	Haas	Brian Steel, Co-Director Ana Martinez, Associate Director	16th Annual C2M Cleantech to Market Summit (2024)

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			<p>Cleantech to Market (C2M)–<i>Inspiring Climate Tech Leadership</i>–is a partnership between graduate students, startups, and industry professionals to help accelerate the commercialization of leading cleantech solutions. In the process, C2M also develops the next generation of innovative cleantech leaders.</p> <p>Startups involved in low-carbon energy, green chemistry, food, and water technologies covering both mitigation and adaptation are invited to apply into the C2M program at the beginning of each year. C2M then handpicks interdisciplinary teams of UC Berkeley grad students to help entrepreneurs identify the most viable initial markets, prospective customers and partners, funding sources, and related strategies.</p>	C2M’s 2023 Climate Tech Summit featured 8 companies that are forging new paths to develop critical climate and energy solutions
	Energy and Environment Policy Lab	RCNR - ESPM	Jonas Meckling Lab - Financial mechanisms for decarbonization	
	Energy Institute at Haas	Haas	<p>Andrew Campbell, Executive Director</p> <p>To support current and future energy sector leaders in making important decisions, the Energy Institute’s approach is to focus on business and policy challenges.</p> <p>Train the business and policy leaders of tomorrow on market, policy, and technology commercialization challenges in the energy industry.</p> <p>Produce research and analysis backed by rigorous empirical evidence and the frontiers of economic research so that energy and environmental policy and</p>	<p>Energy Institute Blog</p> <p>The Energy Institute Working Paper Series presents new research on energy and environmental topics authored by our faculty affiliates and graduate students.</p>

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			business decisions are based on sound economic and business principles.	
Meredith	Fowlie	RCNR- Agricultural & Resource Economics,	Fowlie is faculty director at the Energy Institute at Haas. She co-directs the National Bureau of Economic Research (NBER), Environmental and Energy Economics Program. She has worked extensively on the economics of energy markets and the environment. Her research investigates market-based environmental regulations, the economics of air pollution, electricity market regulation, and incomplete GHG regulations. She currently serves as a Governor-appointed member of California’s Independent Emissions Market Advisory Committee.	Negotiating the Clean Energy Transition: California’s Experiment in Progress (video) “Measuring and Reporting Corporate Carbon Footprints and Climate Risk Exposure – Fall 2021” 2023 UCOP Proposal: Designing Climate Policy for an Equitable and Effective Clean Energy ENVECON 147 Economics of the Clean Energy Transition (SPRING 2023) Co-Chair of the Academic Senate committee exploring climate change education and research at Berkeley.
Lee	Friedman	Goldman	Friedman’s research is on a wide variety of issues, including climate change policies, utility regulation, educational finance, criminal justice policies, agricultural subsidies, and consumer decision-making. His work strives to improve the effectiveness of microeconomic policy analysis on actual public policies and practices.	Electricity Pricing and Electrification for Efficient Greenhouse Gas Emissions Does Policy Analysis Matter?

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Chris	Jones	RCNR - Energy and Resources Group	<p>Chris Jones is Director of the CoolClimate Network, a university-government-industry partnership at Berkeley. He also serves as faculty lecturer in the Haas School of Business, and Program Chair (13th year) of the Behavior, Energy and Climate Change Conference.</p> <p>Jones is a leading expert in carbon footprint analysis, the design of behavior-based programs and regional climate policy. In 2005, he published the first comprehensive carbon footprint calculator, which accounts for the greenhouse gas emissions of all transportation, energy, food, goods and services purchased by U.S. households.</p>	<p>CoolClimate Calculator: California Local Government Policy Tool: https://coolclimate.org</p> <p>UCOP Climate Action Award: Climate Action Planning Tools: Empowering Equitable Transitions for CA Communities FUNDED</p> <p>MBA/EWMBA 292T.14 - Carbon Footprint Analysis for Innovation FALL 2022</p>
Ted	Lamm	Law - Center for Law, Energy and Environment	Lamm’s work focuses on the development of state and local climate policies, transportation and building electrification, and climate-related risks.	<p>The Future of California Consumer Energy Finance 2023),</p> <p>Funding San Francisco Climate Action (2022)</p> <p>Climate Risk Scenario Analysis for the California Department of Insurance (2023)-- A Guide to Climate Risk Scenario Analysis Design for California’s Insurance Regulator</p> <p>EV Equity Initiative (ongoing),</p>
Adair	Morse	Haas - Sustainable and Impact Finance	<p>Founding Faculty Director of the Sustainable and Impact Finance Initiative (SAIF)</p> <p>Morse’s research spans multiple areas of finance:</p>	<p>Fall 2023 Sustainable, Climate and Impact Investing Landscape</p>

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			climate finance and sustainable investing, household finance, discrimination and corruption, venture capital, and pension management. Her work is driven by her interest in leveling economic playing fields. Recent work includes papers on algorithmic discrimination, small business policy during the pandemic, impact and sustainable investment, pension governance, and communication from the Federal Reserve.	Spring 2024 Haas Impact Fund Fall 2024 Climate Solutions Fund
Matthew	Potts	RCNR - ESPM	Associate Director for Sustainable Development, Blum Center for Developing Economies, where he leads an interdisciplinary lab that focuses on the co-production by human and natural systems of ecosystem services and natural pathways for carbon sequestration. Potts is the Chief Science Officer at Carbon Direct Inc. where he leads an international science team working on decarbonizing the global economy. Specifically, Dr. Potts helps clients assess high quality carbon removal from managed landscapes and works to ensure climate actions are just and equitable. He also works closely with Carbon Direct’s technology team to integrate science, software, and product	2023 UCOP Proposal: Proposal for Increasing CO2 Removal in California Through Science-Based Standards and Industry Engagement Criteria for High Quality Carbon-Dioxide Removal Redefining “abandoned” agricultural land in the context of reforestation. Frontiers in Forests and Global Change Rates and drivers of aboveground carbon accumulation in global monoculture plantation forests.
Robert	Reich	Goldman	Industry, Policy, Labor, Poverty & Inequality, Leadership and Social Change, Macroeconomic Policy, Social and Economic Policy	The Solutions to the Climate Crisis No One is Talking About Robert Reich and Dan Kammen: Inequality, Climate Change and the Economy (video)

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David	Roland-Holst	Goldman	Macroeconomics effects of climate change policies and green investments	<p>Climate Change in California: Risk and Response</p> <p>UCOP \$100M Climate Action LOI lead – January 2023 - Carbon-Negative Bioenergy for California’s Disadvantaged Communities</p>
Jim	Sallee	RCNR - Agricultural & Resource Economics,	Energy taxation, subsidies and economic incentives for climate action. Sallee is a public economist specializing in environmental and energy economics. His research analyzes policy design and market behavior in transportation and electricity.	<p>Retiring Old Capital to Foster Decarbonization</p> <p>Designing Electricity Rates for an Equitable Energy Transition (link)</p> <p>Ongoing work includes:</p> <p>The Potential of and Problems with Carbon Markets in US Agriculture Retiring Heavy-Duty Trucks</p> <p>Price Regulation, Incidence, and the Clean Energy Transition (with Severin Borenstein and Meredith Fowlie)</p> <p>Retiring Heavy-Duty Trucks (with Mark Jacobsen)</p>
Joseph	Shapiro	RCNR - Agricultural & Resource Economics	Shapiro’s research agenda focuses on three general questions: (1) How do globalization and the environment interact? (2) What have been the effectiveness, efficiency, and equity impacts of environmental and energy policies over the last half century, particularly for water, air, and climate pollution? (3) How important are	<p>Is Air Pollution Regulation Too Stringent?</p> <p>Regulating Untaxable Externalities: Are Vehicle Air Pollution Standards Effective and Efficient?</p>

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			the investments that people make to protect themselves against air pollution and climate change?	Pollution Trends and US Environmental Policy: Lessons from the Last Half Century
	Social Science Matrix	L&S Social Sciences	<p>Marion Fourcade, Executive Director, Social Science Matrix</p> <p>Eva Seto, Associate Director, Social Science Matrix</p> <p>Our purpose is captured in our name: we provide an organizational framework—a “matrix”—that supports cross-disciplinary research pursued by social scientists across the University of California, Berkeley campus and beyond.</p> <p>Conducts workshops and other activities on climate change. Developed an extensive directory of Berkeley social science researchers working on climate.</p>	<p>Advanced Workshop in Climate Change Economics (video)</p> <p>Disaster and Displacement: Inequalities in Climate Migration (video)</p>
	Sustainable and Impact Finance Initiative (SAIF)	Haas	<p>Founding Faculty Director, Adair Morse</p> <p>Megan Morrice, Program Manager</p> <p>Morrice has a background in ESG data and sustainable finance</p>	<p>Mobilizing Capital to Achieve Net Zero by 2050 (March 2023)</p> <p>Harnessing Finance for Climate – Stockholm (May 2023)</p> <p>SAIF Project: MBA Students Step Up to Help Oakland’s Small Businesses</p> <p>What’s the Climate Risk of Your Insurance Company? (blog)</p>

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Sarah	Vaughn	L&S Social Sciences - Anthropology	<p>Vaughn is a sociocultural anthropologist working at the intersection of environmental anthropology, critical social theory, and science and technology studies. Her research advances understandings of climate change in the Circum-Caribbean while tracking the affective, ethical, and political components of dignity and belonging. At stake in her research are questions about the role climate change has in shaping the materiality of expertise, an ethics of (re)distribution, and narrative form.</p> <p>CEEJ Affiliate</p>	<p>Author: Engineering Vulnerability in Pursuit of Climate Adaptation</p> <p>Teaching: ANTHRO 189 - Special Topics in Social/Cultural Anthropology: Climate Change and the Senses SPRING 2024</p>
Katherine	Wagner	RCNR - Agricultural & Resource Economics	<p>Wagner's research focuses primarily on Environmental and Energy Economics and Public Finance. She uses a range of empirical tools to study questions related to environmental externalities, climate change, and natural resources.</p>	
Nancy	Wallace	Haas	<p>Chair of the Real Estate Group and co-chair of the Fisher Center for Real Estate and Urban Economics.</p> <p>Wallace is an expert in mortgages, mortgage-related securities, and other real estate topics.</p>	<p>Mortgage Markets with Climate-Change Risk: Evidence from Wildfires in California (2021 Seminar, Federal Reserve Bank)</p> <p>2023 UCOP Climate Action Seed Grant Proposal: Helping California Communities Adapt to Wildfire: Information, Adaptation, and Risk Mitigation</p>

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Catherine	Wolfram	Haas	Energy economics, climate policy and economic implications of decarbonization	“Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program”