BERKELEY CLIMATE MAP — WILDFIRES - SEPT 2024

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First	Last	Dept/Area	Short Summary
David	Ackerly	RCNR	Impact of fire on plant communities -- resilience
Alice	Agogino	Mechanical Engineering	Mechanical Engineering, Intelligent learning systems, informational retrieval and data mining. Early detection wildfires, squishy robotics
Ken	Alex	Center for Law, Energy and Environment	Director, Project Climate at CLEE (Berkeley Law) -- Grizzly Corps, Methane project and more. Climate Wildfire Institute (in formation?)
Joshua	Apte	Civil and Environmental Engineering	Air pollution with major focus on impacts on vulnerable communities. Wildfire smoke
John	Balmes	Environmental Health Sciences	Physician Member, California Air Resources Board. Respiratory, cardiovascular and metabolic health effects of various air pollutants and occupational agents. Smoke and health
John	Battles	ESPM	Co-chair, Science Advisory Panel, California Forest Management Task Force. How and why forests change.

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	Berkeley Fire Research Lab	Engineering	Michael J. Gollner Fire science utilizing experiments and combustion and fluid dynamics theory to solve problems. Congressional testimony 2022 on wildfire policy and mitigation
	Berkeley Forests	ESPM	Bill Stewart, Co-Director. Scott Stephens, Co-Director. Develop and test appropriate management strategies for forested watersheds that will flourish under different climate change scenarios. 20 year study on CA forests healthier when burned or thinned
	Berkeley Institute for People, Parks and Biodiversity	RCNR	Patrick Gonzalez, Executive Director. Steven Beissinger, Co-Faculty Director. Holly Doremus, Co-Faculty Director. Advances science and solutions to halt climate change, conserve biodiversity, and improve the experience of nature for all. Big project on wildfire in national parks in CA
	Center for Cities and Schools	CED - IURD	Jeffrey Vincent, Co-Founder & Director the Center for Cities & Schools (CC&S). Interdisciplinary, action-research center, linking the fields of city planning and K-12 education. Climate resilient TK-12 schools
	Center for Law, Energy and Environment	Law	Daniel Farber, Faculty Director Louise Bedsworth, Executive Director Solving our most pressing environmental challenges through actionable research, training, and engagement to accelerate the implementation of solutions.

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			[Scoping the Health Impacts of Wildfire: A Primer for Stakeholders](#) – Kasia Dahlbeck
Jeffrey	[Chambers](#)	Geography	Forest impacts from climate change and other disturbances (hurricanes, drought, fire), biogeography, and land-atmosphere interactions.
Fotini	[Chow](#)	Civil and Environmental Engineering	Developing analytical and computational methods that help quantify climate change mitigation strategies, air quality effects, and cloud representation and feedback in regional climate models. Wildfire smoke, Air Quality
	[CITRIS and the Banatao Institute](#)	Berkeley, Davis, Merced, Santa Cruz	[Alexandre Bayen, Director](#) [Camille Crittenden](#), Executive Director. Creating IT solutions that generate social and economic benefits for everyone. Seed funding for NSF grant project by Soga Group on wildfire evacuation.
Brandon	[Collins](#)	Berkeley Forests	How fire influences forest ecosystems and how management in these ecosystems influences fire and forest health.
	[Disaster Lab (D-Lab)](#)	Engineering	Thomas Azwell, Director. Develops and Validates Practical Innovations for Disaster Preparation, Response, and Recovery Fire-resistant building materials, remote sensing and vegetation mgt for wildfires, Marin Fire – Joshua Dimon
Ethan	[Elkind](#)	[Center for Law, Energy and Environment](#)	Director, [CLEE Climate Program](#) (Berkeley Law)

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			Wildfire Sonoma
	Fire Research Group	Engineering, LBL	Tarek Zohdi, Director. Working toward the development and implementation of more effective technological solutions for fires in wildlands, cities and industrial complexes.
	Geospatial Innovation Facility	ESPM	Nancy Thomas, Executive Director. Provides leadership and training across a broad array of integrated mapping technologies. Wildfire history map – Cal-Adapt.
Keith	Gilless	ESPM	Economic analysis and operations research modeling techniques to address forest resource management issues
Allen	Goldstein	ESPM	Atmospheric chemistry and biogeochemistry. Air pollution
Marta	Gonzalez	City and Regional Planning	Statistical Physics of Complex Systems and Network Science. Spatial AI, digital traces, and Environmental data. Global fire regimes with AI.
Rohini	Haar	Human Rights Center (Berkeley Law)	Emergency physician. Health and human rights. Protection of human rights in times of complex humanitarian crisis and conflict. Health and social impacts of wildfires
	Human Rights Center	Berkeley Law	Betsy Popken, Executive Director. Our Climate Justice program addresses the human impacts of climate change. Our research results in recommendations to create new laws and policies, and other actions to protect the human rights of people in affected communities.

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			Project on wildfires and ag workers in Sonoma
Carly	Hyland	Environmental Health Services	Interventions and research translation to mitigate the health impacts of climate change among agricultural and food systems workers, with a focus on heat, wildfire smoke, and pesticides. Sonoma County project with HRC
	Institute for Urban Infrastructure and Development (IURD)	City and Regional Planning	Kristina Hill, Director. Interdisciplinary academic and research unit dedicated to prioritizing justice in initiatives to understand, mitigate, and adapt to climate change.
	Institute of European Studies		Jeroen Dewulf, Director, Institute of European Studies. Examining Europe in its global context and training the next generation of scholars to develop the capacity for transatlantic dialogue and cooperation. Floods after wildfires project with French partners
Dave	Jones	Center for Law Energy and Environment	Jones is the Director of the Climate Risk Initiative at Berkeley's Center for Law, Energy and the Environment (CLEE) and a Senior Fellow at The ClimateWorks Foundation. Climate risk and insurance
Nate	Kaufman	College of Environmental Design	Director, Sustainable Environmental Design Program. Systematic, strategic and scale-related aspects of climate adaptation, sustainability and environmental governance and justice.

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Maggi	Kelly	ESPM	"Mapping for a Changing California", using a range of geospatial data and analytics
Tom	Kirchstetter	Energy Analysis & Environmental Impacts Division	Director, Energy Analysis & Environmental Impacts Division at LBNL Wildfire Forest recovery proposal
Lara	Kueppers	Energy Resources Group	Ecological responses and feedbacks to climate change. Bark beetles tree mortality
Sarah	Lindbergh	Landscape Architecture and Environmental Planning	Disaster risk reduction and climate adaptation policy. Wildfire evacuation with Soga Group
Mohammad	Mofrad	Mechanical Engineering	Mechanical engineering and bioengineering. Wildfire smoke and health
Mark	Mueller	Mechanical Engineering	Increasing the capabilities of aerial robotics systems.
Elizabeth	Noth	Industrial Hygiene	Director, Industrial Hygiene Program at the Northern California NIOSH Education and Research Center. Wildfire smoke and prisons
Matthew	Potts	ESPM	Co-production by human and natural systems of ecosystem services and natural pathways for carbon sequestration. Forest management.

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Miranda	Redmond	ESPM	Understanding the effects of climate and disturbances on forest dynamics as a way of informing land management decisions.
Carolina	Reid	IURD	Housing and community development, with a focus on access to credit, housing and mortgage markets, urban poverty, and racial inequality. UCOP proposal – Housing policy is Climate Policy
Anne	Rosenthal	UC Center for Climate, Health and Equity	Associate Director, CARE Program Health and social impacts of CA wildfires
Nathan	Sayre	Geography	Transformation and management of the earth's environment, particularly semi-arid rangelands/ Fire restoration
Kristen	Shive	ESPM	Leveraging recent wildfires to foster resilience and secure carbon in giant sequoia forest
Scott	Stephens	ESPM	Co-Director, Berkeley Forests. The interactions of wildland fire and ecosystems. Leading CA expert. 30 years in the field.
William	Stewart	ESPM	Co-Director, Berkeley Forests. Improving the positive financial linkages between working forests and rangelands on one hand and our urban residents on the other.
Eric	Stover	Human Rights Center	Co-Faculty Director, Human Rights Center, Wildfire evacuations by ag workers

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Jason	Su	Environmental Health Sciences	Developing machine learning land use regression modeling algorithms that incorporate multiple types of measurements into a single modeling frame. Air pollution and health outcomes
Margaret	Torn	Biosphere-Atmosphere Interactions Program	Lead, Biosphere-Atmosphere Interactions Program Domain at LBNL.
Nancy	Wallace	Haas	Chair of the Real Estate Group and co-chair of the Fisher Center for Real Estate and Urban Economics. Mortgage markets with Climate Change Risk – Wildfires in CA -- study
Steven	Weissman	Goldman	Energy and climate policy. PG&E undergrounding
Robert	York	ESPM	The intersection of forest science and management, exploring novel approaches to forest management treatments that are guided by ecosystems' disturbance regimes.