

Division or Research Center	Department	Faculty	Description Sust. Research
Arts	Art	Elliott W. Anderson	Anderson's current research incorporates computer technologies to engage questions about land use and social interventions into the environment. His recent work, Silicon Monuments - in collaboration with the Silicon Valley Toxics Coalition - uses augmented reality software on hand-held devices to create a site-specific, multimedia documentary about toxic Superfund sites in Silicon Valley. Viewers can explore the sites and interact with the documentary, which reveals hidden environmental damage and its health and social costs.
Arts	History of Arts and Visual Culture	T.J. Demos	Contemporary art and visual culture, investigating in particular the diverse ways that artists and activists have negotiated crises associated with globalization, including the emerging conjunction of post-9/11 political sovereignty and statelessness, the hauntings of the colonial past, and the growing biopolitical conflicts around ecology and climate change. Most recently Demos is the author of Decolonizing Nature: Contemporary Art and the Politics of Ecology (Sternberg Press, 2016), which investigates how concern for ecological crisis has entered the field of contemporary art and visual culture in recent years, and considers art and visual cultural practices globally.
Arts	Art	Linda Burman-Hall	Linda's current research interests are in biomusic. She has composed a cycle of electro-acoustic audio collages based on the vocalization of endangered species from the Indonesian rain forests (especially Hylobates klossii, the Mentawai gibbon) and is currently continuing to collect shamanistic songs about the endangered primates and other animals in Mentawai Archipelago.
Arts	Art	Newton Harrison	Professors-in-residence at UCSC with the Digital Arts and New Media graduate program. Among the leading pioneers of the eco-art movement, the collaborative team of Newton and Helen Mayer Harrison (often referred to simply as "the Harrisons") have worked for forty years with biologists, ecologists, architects, urban planners and other artists to initiate collaborative dialogues to uncover ideas and solutions which support biodiversity and community development.
Arts	Art	Helen Mayer Harrison	Professors-in-residence at UCSC with the Digital Arts and New Media graduate program. Among the leading pioneers of the eco-art movement, the collaborative team of Newton and Helen Mayer Harrison (often referred to simply as "the Harrisons") have worked for forty years with biologists, ecologists, architects, urban planners and other artists to initiate collaborative dialogues to uncover ideas and solutions which support biodiversity and community development.

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Arts	Art	Dee Hibbert-Jones	Her cross-disciplinary artwork ranges from experimental forms of public art, interventions, and participatory practice to sculpture, installations, time-based video and animated film projects. Her research looks at the changing nature of public and private spheres, social connectedness, affect, memory and political feelings. She also researches the role and function of the object in the 21st century, specifically in relation to the environment, landfills, planned obsolescence and the global economy.
Arts	Art	Norman Locks	Locks photographs the biodiversity of nature and masters a visual language for speaking about the wilderness. There is a democracy at work in Locks' imagery. Every leaf, rock, tree and blade of grass is deserving of attention. These works present the beauty of the ecosystems, the details, the enormity of the delicate enterprise of nature. They offer the viewer a powerful sense of belonging to nature and serve as an irrefutable call for stewardship and eco-sensitivity.
Arts	Art	Jennifer Parker	Literal, formal, and idiomatic approach to materials (including sustainable materials) and a political, private, and metaphorically abstract attitude toward expression as it relates to information and creativity.
Arts	Art	Elizabeth Stephens	Elizabeth Stephens is a performance artist, activist, and educator whose art-work, performance art and writing have explored themes of queerness, feminism, and environmentalism for over 25 years. Her current passion is SexEcology: the art of exploring the Earth as a lover. Stephens is creating this new field of research in collaboration with her partner Annie Sprinkle. Together they form the Love Art Laboratory where they are attempting to make the environmental movement a little more sexy, fun, and diverse.
Engineering	Applied Mathematics & Statistics	Eric Anderson	Statistical methods in fisheries management and ecology, parentage inference, inference of species hybrids, genetic stock identification.
Engineering	Applied Mathematics & Statistics	David Draper	Bayesian statistics, hierarchical modeling, Bayesian nonparametric methods, model specification and model uncertainty, quality assessment, risk assessment, statistical applications in the environmental, medical, and social sciences.
Engineering	Applied Mathematics & Statistics	Athanasios Kottas	Survival analysis, applications in biometrics, ecology and the environmental sciences.
Engineering	Applied Mathematics & Statistics	Marc Mangel	Mathematical modeling of biological phenomena, especially quantitative issues in fishery management; mathematical and computational aspects of aging and disease; impact of technology on biological systems.
Engineering	Applied Mathematics & Statistics	Bruno Mendes	Parameter and model uncertainty in geophysics and groundwater contamination modeling, Bayesian statistics, parallel computation.

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Engineering	Applied Mathematics & Statistics	Bruno Sansó	Bayesian spatio-temporal modeling, environmental and geostatistical applications, modeling of extreme values, statistical assessment of climate variability
Engineering	Computer Engineering	Jose Renau	Energy efficient data-centers.
Engineering	Computer Science	Lise Getoor	Machine learning, reasoning under uncertainty, artificial intelligence, data integration, information extraction, socio-behavioral modeling, and data science for social good.
Engineering	Electrical Engineering	Joel Kubby	Renewable Energy and Smart Grid System with NASA Ames Renewable Energy Testbed
Engineering	Electrical Engineering	Zhixi Bian	Semiconductor materials and devices for optoelectronics and thermoelectrics, thermal management of microelectronics, renewable energy
Engineering	Electrical Engineering	Michael Isaacson	Renewable energy systems, STEM education, sustainability
Engineering	Electrical Engineering	Nobuhiko Kobayashi	Nanostructured Energy Conversion Technology and Research
Engineering	Electrical Engineering	Kenneth Laws	HF radar sensing of ocean surface currents, HF radar detection of ships, other applications of radar remote sensing, development of autonomous ocean surface vehicles for coastal marine sensing, and development of renewable energy sources
Engineering	Electrical Engineering	Katie Monsen	Sustainability Engineering
Engineering	Electrical Engineering	Holger Schmidt	Semiconductors and nanostructure, all-optical semiconductor devices
Engineering	Electrical Engineering	Oxana Pantchenko	Renewable energy
Engineering	Electrical Engineering	Jonathan Trent	OMEGA (Offshore Membrane Enclosures for Growing Algae) technology that efficiently grows biofuel from the wastewater of cities
Engineering	Electrical Engineering	John Vesecky	HF radar design and construction and observation of ocean surface winds, waves and currents with applications to coastal and deep water ocean processes; project MEDSAT, sustainable design
Engineering	Electrical Engineering	Kazuaki Yazawa	System optimization of thermoelectric power generation
Engineering	Technology & Information Management	Brent Haddad	Integrated Water Management, Regional Water Management, Water and Energy Policy, Political Economy, Renewable Energy.

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Humanities	History	Edmund Burke III	Edmund Burke, III is a Research Professor of World History at the University of California, Santa Cruz, where he directs the Center for World History. Burke is the author and editor of numerous books and articles on environmental history and world history including Environmental Imaginaries of the Middle East: History, Policy, Power and Practice and The Environment and World History.
Humanities	History	Mark Cioc	Mark Cioc is the former editor of the journal Environmental History and the author of several books on global environmental controversies, including The Game of Conservation: International Treaties to Protect the World's Migratory Animals (2009) and The Rhine: An Eco-Biography, 1815-2000 (2002).
Humanities	History	Maya K. Peterson	Water, History of engineering, environmental history
Humanities	History	Bruce A Thompson	Environmental history
Humanities	History of Consciousness	Donna J Haraway	Haraway's works have contributed to the study of both human-machine and human-animal relations. Her works have sparked debates in primatology, philosophy, and developmental biology. (Emerita)
Humanities	Literature	Carla Freccero	In 2010 she won the Critical Animal Studies Faculty Paper of the Year. Her fields include early modern European literature and history; critical theory; popular culture and cultural studies; and animal studies.
Humanities	Philosophy	Daniel E Guevara	Kant, moral philosophy, environmental ethics, history of modern philosophy, Wittgenstein
Humanities	Writing	Maureen Foster	Environmental film, ecocriticism
Humanities	Writing	Joy Hagen	Ecological risks of genetically engineered organisms; population dynamics; agroecology and food systems; science and uncertainty
Humanities	Writing	Brij D. Lunine	Evaluating environmental writing
Humanities	Writing	Patrick McKercher	Saving the home of Andrew P Hill, our local John Muir, who founded the Sempervirens Club, which has saved most of the remaining local old-growth redwoods.
Humanities	Writing	Annalisa Rava	Human-Animal Studies, Science Fiction Studies, Animals in Science Fiction, Science Fiction and the Post-Human Body. She observed wild chimpanzees at Gombe Stream National Park, Tanzania, for the purpose of enriching the teaching of her writing class that explores human perceptions and treatment of animals.
Humanities	Writing	Robin Elizabeth Somers	Sustainable agriculture and cooking organically; writing poetry and fiction; Research: the benefits of teaching food memoir in an academic writing course.
Humanities	Writing	Terry Terhaar	Intense spiritual experience in nature. Writing in the sciences; inquiry-based (research) writing; environmental writing and thought; biodiversity conservation; environmental ethics; religion, spirituality, and nature.
Physical and Biological Sciences	Biochemistry & Molecular Biology	Robert Ludwig	Renewable bioenergy: hydrogen production by direct photoconversion.

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Physical and Biological Sciences	Biochemistry & Molecular Biology	Pradip K Mascharak	Mascharak's group is related to the area of new "Green Chemistry." For some time, this group has been studying the oxidation of various organic substrates (including alkanes and alkenes) by non-heme iron and cobalt complexes in conjunction with O ₂ , H ₂ O ₂ and ROOH. The goal of this project is to synthesize catalysts that operate under mild conditions (less energy requirements) and utilize safer reagents (like O ₂) for oxidations.
Physical and Biological Sciences	Biochemistry & Molecular Biology	Jin Zhang	He actively explores emerging technological applications of advanced nanomaterials in areas such as solar energy conversion and hydrogen generation and storage.
Physical and Biological Sciences	Chemistry	Yat Li	Exploration of nanomaterials and their potential applications for solar energy conversion and utilization, microbial technology, and energy storage devices
Physical and Biological Sciences	Earth and Planetary Sciences	Patrick Y. Chuang	Interaction among aerosols, clouds, and climate and how they influence our ability to predict how Earth's climate may change in the future.
Physical and Biological Sciences	Earth and Planetary Sciences	Matthew E. Clapham	Using ancient crises as analogues for current environmental stresses to elucidate organismal and community responses to climate change, ocean acidification, and hypoxia.
Physical and Biological Sciences	Earth and Planetary Sciences	Andrew T. Fisher	UC Water Security and Sustainability Research Initiative. Surface water - groundwater interactions; Hydrogeology and thermal evolution of oceanic crust, seamounts, ridge flanks, and convergent margins; Numerical modeling of coupled flows; Aquifer characterization, testing, facies controls on hydrologic properties; Ground water aquifer-marine interactions; Long-term monitoring, geothermal instrumentation.
Physical and Biological Sciences	Earth and Planetary Sciences	Gary Griggs	Coastal zone and ranges from coastal evolution and development, through shoreline processes, coastal hazards and coastal engineering, and sea level rise.
Physical and Biological Sciences	Earth and Planetary Sciences	Paul Koch	Vertebrate paleoecology and evolution in environmental context through reconstruction of ancient ecosystems and climates.
Physical and Biological Sciences	Earth and Planetary Sciences	Lisa S. Sloan	Regional climate change in the California region and climate modeling; warm and transitional intervals of climate in geologic history.
Physical and Biological Sciences	Earth and Planetary Sciences	Mark Snyder	Type 2-L02170124 Collaborative Research: Investigating Decadal Climate Predictability and Climate Impacts (IDCPI) on the Western US. Climate Variability and Agricultural Impacts.
Physical and Biological Sciences	Earth and Planetary Sciences	Slawek Tulaczyk	Ice sheets and glaciers as dynamic features interacting with geologic, hydrologic, and climatic processes on different timescales, relationship between ice-sheet behavior and climate change.
Physical and Biological Sciences	Earth and Planetary Sciences	James Zachos	James' research is oriented toward identifying the mechanisms responsible for driving long and short-term changes in global climate.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Giacomo Bernardi	Fish biology, phylogenetics, evolution.

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Physical and Biological Sciences	Ecology and Evolutionary Biology	Mark Carr	Carr and his graduate students conduct basic and applied ecological research that informs ecosystem-based conservation and management. He and his students work in coastal marine (e.g. kelp forests) and freshwater (e.g., river) ecosystems. Research topics include long-term monitoring of population and ecosystem dynamics, geographic patterns of ecosystem structure, species-habitat relationships, the design of networks of marine protected areas, effects of species interactions on community dynamics. Much of his work is conducted in close collaboration with California state and federal agencies and conservation organizations.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Daniel Costa	Physiological ecology of marine mammals and birds. Such oceanographic data are making a contribution to studies of climate change and are providing insights into how marine mammals and seabirds might respond to climate change. By investigating the interaction between physiology, behavior, and reproductive ecology of free-ranging animals we can elucidate the environmental factors influencing their distribution and abundance. His most recent work includes, aquatic energy harvesting and Intelligent Systems for wildlife and environmental sensing.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Donald Croll	His lab brings science and action together to solve conservation problems. They use science to identify and prioritize conservation problems and work with agencies and NGOs to develop and test cost effective solutions that can be taken to scale. Much of their work has focused on seabirds and island ecosystems, but we will apply our approach to any ecosystem where it can make a profound difference.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Jim Estes	Marine sciences, community ecology, species interactions.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Laurel R. Fox	Terrestrial population and community ecology, plant-animal interactions, includes the dynamics of endangered plants, ecological effects of climate change and community effects of invasive species.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Kathleen Kay	Plant evolutionary ecology, she is studying the population genetic structure of two rare mints that occur on the serpentine soils of Plumas National Forest. This study will better elucidate the evolutionary origins of edaphic endemism and provide valuable information for restoration efforts.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Marm Kilpatrick	Disease ecology, population biology. Much of his current work in disease ecology is focused on West Nile virus, a mosquito-transmitted pathogen that currently causes thousands of human cases each year, as well as affecting millions of animals. However, he also work on several other pathogen systems including chytridiomycosis, Lyme disease, Brucellosis, and avian influenza.

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Physical and Biological Sciences	Ecology and Evolutionary Biology	Bruce E. Lyon	Behavioral ecology, evolutionary ecology, avian ecology, Current research projects include (1) the adaptive basis of conspecific brood parasitism and parental tactics in waterbirds, particularly several species of coots (<i>Fulica</i>) breeding in North and South America, (2) the evolution of ornamented offspring through parental choice in the genus <i>Fulica</i> , (3) sexual selection, mating system and plumage evolution in lark buntings and lazuli buntings and (4) social organization and social signaling in wintering golden-crowned sparrows.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Rita Mehta	Comparative marine physiology, behavioral evolution.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Eric P. Palkovacs	Freshwater ecology, eco-evolutionary dynamics, fisheries and fish ecology.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Ingrid M. Parker	Plant ecology, plant-pathogen interactions, biological invasions, she has an interest in both documenting the ecological impacts of particular invasions, and understanding the biological mechanisms behind those impacts. At the interface between science and policy, can we use theoretical ecology to help make better prioritization decisions for species eradication or control? Can we accurately assess the risk of introducing new species (or transgenic varieties)?
Physical and Biological Sciences	Ecology and Evolutionary Biology	Jarmila Pittermannv	Plant physiology, water relations and structure and function. Current research projects in the lab include 1) the evolutionary ecophysiology of ferns, 2) the drought response of redwood forest understory plants, 3) the structure and function of 'pygmy forest' plants, and 4) the coupling of plants and animals under climate change scenarios.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Grant Pogson	Molecular population genetics, ecological genetics, marine invertebrates and fishes.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Donald Potts	Coral reef ecology, genetics, evolution, and geological history; marine biodiversity; tropical biology, global change, and remote sensing, Because coastal environments involve the land-sea-air interfaces in proximity to land masses, where they are especially vulnerable to changes in any of these three environmental components, our research is based on the premise that coastal systems are already changing in response to the combined effects of natural and anthropogenic processes.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Peter Raimondi	Marine ecology, evolutionary ecology, experimental design, applied ecology.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Beth Shapiro	Molecular evolution, ancient DNA, viruses, and phylogenetics, interested in studying extinction. Some of her most recent work includes, Collaborative Research in Paleoclimate, Paleoenvironment and Other Potential Drivers of Extinction of <i>Mammuthus primigenius</i> , St. Paul Island, Pribilof Islands, Alaska.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Barry Sinervo	Animal behavior, evolution, physiological ecology.

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Physical and Biological Sciences	Ecology and Evolutionary Biology	John N. Thompson	Coevolution, evolutionary ecology and genetics of species interactions, organization of biodiversity, he uses a wide range of ecological, genetic, molecular, and evolutionary approaches to study how the interacting species may coevolve in different ways in different habitats, and how interactions continue to evolve amid environmental change.
Physical and Biological Sciences	Ecology and Evolutionary Biology	Terrie Williams	Large mammal physiology, bioenergetics, exercise and environmental physiology, This research approach provides a powerful tool that enables our group to predict the responses of animals to novel environmental perturbations and to speculate about the physiology and biomechanics of ancestral forms.
Physical and Biological Sciences	Microbiology	Peter Weiss-Penzias	The role of fog in Mercury cycling in the coastal ocean, landscape and ecosystems
Physical and Biological Sciences	Ocean Sciences	Barbara Balestra	Ecology of extant coccolithophores, biostratigraphy, paleoceanographic and paleoclimate reconstructions in the Pliocene, Pleistocene and Holocene.
Physical and Biological Sciences	Ocean Sciences	Christopher Edwards	Coastal Ocean Data Assimilation Experiment of Central California
Physical and Biological Sciences	Ocean Sciences	Rachel Foster	Symbiotic diazotrophs
Physical and Biological Sciences	Ocean Sciences	Elliot Hazen	Focused on understanding how fish distributions are affected by environmental variables at multiple spatial and temporal scales.
Physical and Biological Sciences	Ocean Sciences	Raphael Kudela	Ecological modeling and remote sensing; satellite oceanography; phytoplankton ecology and harmful algal blooms. Also has studied ecological risk of ocean urea fertilizations used for Carbon Credits.
Physical and Biological Sciences	Ocean Sciences	Andrew M Moore	Ocean dynamics, numerical modeling and data assimilation, coastal oceanography, tropical air-sea interaction and tropical climate variability, generalized stability analysis, ocean prediction and predictability, adjoint methods in oceanography and meteorology, stochastic systems. He also studies model uncertainties of the impact of climate change on North Pacific Ocean.
Physical and Biological Sciences	Ocean Sciences	Marilou Sison-Mangus	My research focuses in understanding the interactions between bacteria and their aquatic eukaryotic hosts, how these associations influence the ecology and evolution of both partners, and what are the impacts of these interactions on ocean health and biogeochemical cycling. The goal is to understand how these interactions drive the microbial world, the microbes' responses to climate change, and ultimately, how these affect the cycling of nutrients and the health of the ocean.
Physical and Biological Sciences	Ocean Sciences	Adina Paytan	Marine biogeochemical cycles and dynamics in the present and past, and on their connection to the Earth system as a whole. With a focus on temporal microfossils assemblages and environmental change in Celestun Lagoon, Yucatan, Mexico.

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Physical and Biological Sciences	Ocean Sciences	Ana Ravelo	Assessing tropical Pacific climate variability since the Early Pliocene warm period. Stable isotope geochemistry, paleoceanography, paleoclimatology
Physical and Biological Sciences	Ocean Sciences	Mary Silver	Toxic phytoplankton and food webs; pelagic detrital communities; particle dynamics; plankton ecology
Physical and Biological Sciences	Physics	Sue A. Carter	Wavelength-Selective Solar Collectors for Power Generating Greenhouses and Carbon Capture. Principle focus is in energy related research including photovoltaics, solid-state lighting, and luminescent solar concentrators to be used to construct electricity-generating greenhouses, energy related research including organic LED
Physical and Biological Sciences	Physics	Hee-Sun Lee	Specializes in science education, assessment of curricula, and development of technology-enhanced curricula.
Social Sciences	American Studies	Jon Daehnke	Cultural heritage and the law, Native American studies, public representations of heritage and memory, the relationship between anthropologists and Indigenous communities, critical approaches to nature, culture and the environment, and the archaeology of landscapes.
Social Sciences	Anthropology	Mark D. Anderson	Black and Indigenous: Garifuna Activism and Consumer Culture in Honduras examines the politics of race and culture among the Garifuna in Honduras to explore the relationships between multiculturalism, consumption, and neoliberalism in the Americas.
Social Sciences	Anthropology	Melissa L. Caldwell	Poverty and Inequality; Social Justice; International Development; Anthropology of Food; Consumption, organic food in socialist and postsocialist societies, Russia, the former Soviet Union, and Eastern Europe. Design anthropology, corporate anthropology, transnational food corporation consultant.
Social Sciences	Anthropology	Nancy Chen	Changing meanings of food and medicine.
Social Sciences	Anthropology	Andrew S. Mathews	Culture of environmental institutions and the links between local communities and national and global levels of power and knowledge.
Social Sciences	Anthropology	Anna L Tsing	Nature in the Global South: Environmental Projects in South and Southeast Asia, communities & conservation.
Social Sciences	Community Studies	Julie H Guthman	Sustainable agriculture and alternative food movements, international political economy of food and agriculture, politics of obesity, political ecology, race and food, and critical human geography.
Social Sciences	Economics	Eric Aldrich	With the global proliferation of wind power, the need for accurate short-term forecasts of wind resources at wind energy sites is becoming paramount. Regime-switching space-time (RST) models merge meteorological and statistical expertise to obtain accurate and calibrated, fully probabilistic forecasts of wind speed and wind power.
Social Sciences	Economics	Julie H Gonzalez	Energy/environmental economics, ecological design

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Social Sciences	Economics	Jeremy West	Applied microeconomics, public economics energy and environmental economics. Most recently his research examines consumer behavior and how policies impact energy and water use.
Social Sciences	Environmental Studies	Jeffrey Bury	Extractive industries, sustainable development, fair trade, environmental justice, climate change, conservation, Latin America and Mountain Regions
Social Sciences	Environmental Studies	Weixin Cheng	Soil Ecology in Agroecosystems, Global Environmental Change, Grassland Degradation and Recovery in Inner Mongolia, China
Social Sciences	Environmental Studies	Tim Duane	Climate, energy, water, land use and resource policy, law, planning and management. Expert on regulatory policies for greening the grid with sustainable renewable energy sources and sustainable communities planning and design
Social Sciences	Environmental Studies	Margaret Fitzsimmons	The social and spatial aspects of environmental change, examining the interaction among cultural and political values, economic institutions, government, and environment. It is focused particularly on two topical areas: (1) the development and regulation of primary-sector activities (agriculture or forestry); and (2) the regional integration of environmental planning and resource management institutions in urban and rural settings. She also studies the role of disciplinary and interdisciplinary discourses in the discussion of environmental problems.
Social Sciences	Environmental Studies	Greg Gilbert	Applied evolutionary ecology, Plant disease ecology, Tropical forest ecology, Phylogenetic Community Ecology, Cross-cultural science education
Social Sciences	Environmental Studies	Karen Holl	Restoration ecology. Her research focuses on understanding ecological factors that slow ecosystem recovery from human disturbance and using this information to improve restoration efforts.
Social Sciences	Environmental Studies	Holly Jones	Restoration ecologist and work at the intersections of ecological theory, community ecology, invasive species biology, and ecosystem ecology
Social Sciences	Environmental Studies	Sheldon Kamieniecki	Environmental Policy, The Manipulation of Scientific Findings in Politics and Public Policymaking
Social Sciences	Environmental Studies	Jeffrey Kiehl	Modeling for Exploring Deep Time Climates to Further Our Understanding of Earth's Future
Social Sciences	Environmental Studies	Deborah Letourneau	Insect-plant interactions, biological control, trophic cascades, tropical ecology, community ecology in forests and agroecosystems
Social Sciences	Environmental Studies	Michael Loik	Climate change, Plant Stress Tolerance, Desert Ecology, Forest Ecology, Grassland Ecology, Alpine Ecology, Biogeochemistry, Ecohydrology, Biometeorology, Climatology, Embedded Sensors, New Technologies for Sustainability

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Social Sciences	Environmental Studies	Flora Lu	Specializing in Ecological Anthropology, Flora studies the interrelationships between human societies and the natural environment with a geographic emphasis in the Amazon. She integrates social and natural science approaches to study resource use and conservation among indigenous peoples in Ecuador with a focus on land use, social change, cultural resilience, and household economic strategies.
Social Sciences	Environmental Studies	Adam Millard-Ball	Adam's research bridges urban planning and environmental economics, and addresses some of the key challenges in transportation, energy and climate change policy. His current work examines global patterns of urban sprawl and car ownership, the effectiveness of local climate planning efforts, and the design of carbon trading programs. He also has a broad interests in transportation planning and policy, particularly parking management programs to reduce vehicle travel and emissions.
Social Sciences	Environmental Studies	Stacy Philpott	Ant ecology, agro-ecology, conservation biology, urban agriculture biodiversity, climate change, community ecology, ecosystem services, food sovereignty, landscape ecology, insects, tropical biology, urban ecology. Her most recent work includes, Training and Resources for Specialty Crop Growers Featuring Organic and Sustainable Methods; Agrecology and Sustainable Food Systems Curricular Integration and Enhancement at UCSC; Community Supported Agriculture (CSA) Training and Undergraduate Sustainable Agriculture Education at UCSC CASFS.
Social Sciences	Environmental Studies	Daniel Press	Environmental politics and policy, with a focus on the U.S.; land preservation, water quality regulation and management, industrial ecology, policy analysis
Social Sciences	Environmental Studies	Ravi Rajan	Environmentally inclusive governance, Governance of environmental risk, green design and entrepreneurship, Environmental history and political ecology, risk and disaster studies, science and technology studies, North-South environmental conflicts, environmental social theory, environmental ethics
Social Sciences	Environmental Studies	Carol Shennan	Collaborative Research and Extension Network for Sustainable Organic Production Systems in Coastal California
Social Sciences	Environmental Studies	Andrew Szasz	Environmental Movements, Regulation, Environmental Justice, Consumption, Politics of Climate Change
Social Sciences	Environmental Studies	Zdravka Tzankova	US and comparative environmental policy and politics
Social Sciences	Environmental Studies	Christopher Wilmers	Wildlife Ecology, Ecological Modeling, Global Change
Social Sciences	Environmental Studies	Kenneth Worthy	World environmental history

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Social Sciences	Environmental Studies	Erika Zavaleta	Mitigating the Impacts of Climate Change on Plant Communities Through Wetland Design. Studying the impacts of Climate Change and Land Use Change on the Dominant Tree Forest Species Ecology in the Iztaccihuatl and Popocatepetl Volcanoes. Ecosystem ecologist broadly interested in implications of interacting global and regional environmental changes, biodiversity and ecosystem functioning and stewardship of wild ecosystems.
Social Sciences	Latin American and Latino Studies	Jonathan A. Fox	Democratization, transparency & accountability, transnational civil society, migration, civic and political participation, race and ethnicity, advocacy coalitions & networks, social & environmental policy,
Social Sciences	Politics	David Gordon	Current research projects underway focus on accountability and global urban climate governance and aim to assess (a) the power, and governance potential, of novel urban accountability initiatives as steering mechanisms and (b) the local impacts and implications of the globally accountable city.
Social Sciences	Politics	Ruth Langridge	Water sustainability including research on climate change impacts on the state's water resource. Groundwater Reserves Project- Explores new and proactive approaches to increase a community's resilience to future prolonged droughts - the establishment and maintenance of local strategic groundwater reserves.
Social Sciences	Politics	Ronnie D. Lipschutz	Lipschutz conducts research in and writes on a range of topics related to global political economy, including U.S. global economic and military policy and strategy, changing conceptions and practices of security, changing forms of war, global governance, global civil society and corporate social responsibility, environmental politics, energy and resources, sustainability and political economy and popular culture.
Social Sciences	Politics	Sikina Jinnah	Research focuses on the shifting locations of power and influence in global environmental governance, and in particular the role of transnational actors in environmental decision-making. Her most recent projects examine how key norms in global climate politics shape power relations, the role of U.S. preferential trade agreements in shaping environmental policy in trading partner nations, and the politics of climate engineering governance.
Social Sciences	Psychology	Elliot Aronson	Throughout his career he has tried to do experiments that would integrate his passion about basic science with his desire to apply these research findings toward improving the human condition (e.g. convince people to conserve energy and other natural resources).

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Social Sciences	Sociology	Hillary Angelo	Hillary is a sociologist of nature and urbanization. Her research engages with urban and environmental sociology, geography, and sociology of knowledge, and draws on visual, historical, and ethnographic methods. She is interested in how ideas about nature are formed, the social conflicts they produce, and how they are deployed to influence the built environment.
Social Sciences	Sociology	Miriam Greenberg	Urban sociology, geography, urban environmental studies, media and cultural studies, social theory, globalization, New York City and Buenos Aires. Professor Greenberg is the Director of Critical Sustainabilities: Competing Discourses of Development in California.
Social Sciences	Sociology	Ben Crow	Teaching on international development, development and the environment, poverty and hunger. Research on access to household water in low income urban communities in global south with focus particularly on pathways to emancipatory capabilities. Area focus: Kenya, Bangladesh, India.
Social Sciences	Sociology	Lindsey Dillon	Lindsey is a geographer with research interests in cities, chemical embodiment, and social justice. Her current research focuses on environmental and economic justice in San Francisco's Bayview-Hunters Point neighborhood.
Social Sciences	Sociology	Walter L Goldfrank	Global political economy with special attention to the rise and decline of nations; social movements and revolutions; export agriculture and its impact on environmental and social conditions; social change; historical sociology; world systems
Social Sciences	Sociology	<u>Helen Shapiro</u>	Agriculture, politics, civic engagement, sustainability.
University Affiliated Research Center, NASA Ames Research Center	Data Sciences group	Kamalika Das (Staff)	Uncovering effects of climate variables on global vegetation. Most of her current research effort is directed towards developing large scale data mining and machine learning algorithms to solve problems in the earth sciences, aviation safety, computational sustainability, and graph structure analysis.