

School	Academic Department	Faculty Name	Research Topic	Description
CAS	Anthropology	C. Anne Claus	sustainable seafood economies	intersections of taste and sustainability in seafoods
CAS	Art	Alberto Ramos	Humanities Truck — Before the Flood: A DC Climate Atlas	This project uses maps, photographs, and participatory projects to examine how DC's land use and public space have changed over time, and how they might change in the future
CAS	Art	Ioanna Sakellion	Teams in GDES 405 (EXPERIENCE DESIGN: INTERACTIVE MEDIA AND MOBILE DEVICES) class	themes vary per project
CAS	Biology	Rebecca Hazen	urban ecology/environmental justice	I work with an interdisciplinary team of researchers studying how socioeconomically driven policy decisions shape the ecological landscape of cities. To date, our work has focused on the interactions between socioecological disparities and disaster recovery in New Orleans, LA.
CAS	Chemistry	Monika Konaklieva	Environmentally friendly approaches to organic chemistry reactions.	Developing of such methods using less/no organic solvents to reduce the amount of solvents typically used for organic reactions.
CAS	Chemistry	Alexander Zestos	Gold nanoparticle modified microelectrodes	We used green methods to synthesize and characterize gold nanoparticles.
CAS	Chemistry	Shouzhong Zou	Novel catalyst development	Developing sustainable catalysts for hydrogen fuel cells
CAS	Chemistry	Hanning Chen	solar energy conversion, photocatalytic water splitting	computer simulation of light-matter interaction for solar energy conversion and clean energy production
CAS	Chemistry	Douglas Fox	Sustainable Flame Retardants	Green feed stocks, reduced toxicity, maintain safety
CAS	Economics	Bernhard Gunter	Assessing the impact of countries losing access to concessional financing	This has not only implications on these countries' debt sustainability, but also their development path, how much these countries can afford to address environmental issues, especially mitigate climate change.
CAS	Economics	Mahmud Yesuf	Gender and climate change perceptions and adaptations	This is an empirical study trying to understand gender differences on climate change perceptions and adaptations to climate change

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CAS	Environmental Science	Michael Brody	Water Resource Risks to Cotton Agriculture in Uzbekistan: Climate, Policy and Irrigation.	a publication from a water resources conference I spoke at  Brody M. & B Eshchanov. Water Resource Risks to Cotton Agriculture in Uzbekistan: Climate, Policy and Irrigation. In: Kulenbekov, Z., Nasriddinov, Z. & H. Habibullah. Current and Future State of Water Resource Management and Environmental Issues in Central Asia - The International Conference, American University of Central Asia, Bishkek. June 2019. Springer Series; Proceedings in Earth and Environmental Sciences. (accepted)
CAS	Environmental Science	Kiho Kim	Coastal nutrient pollution	Identifying hotspot of nitrogen pollution along Saipan's coastline.
CAS	Environmental Science	Stephen MacAvoy	Contaminant distribution influenced by land use practices	same as title
CAS	Environmental Science	Dalia Saleh	Forest operations in environmental sensitive areas	The impact of forest operations technology on harvest sites and climate change.
CAS	Environmental Science	Jessica Meiller	Microplastics in the Anacostia River and surrounding watersheds.	Collecting and analyzing water and sediment samples from tributaries to the Anacostia River for microplastics.
CAS	Environmental Science	Valentina Aquila	Solar radiation management (SRM)	SRM has been suggested as a technological partial solution to climate change that would help avoid the brunt of the warming that we have already committed to by not reducing our emissions
CAS	Environmental Science	Albert Cheh	Tumors in Brown Bullheads from the Anacostia River	Identifying chemical pollutants responsible for tumor formation
CAS	Environmental Science	Michael Alonzo	Urban tree phenological response to urban heat island in a warming climate	Study trees in DC from satellites to monitor when they develop/lose leaves. See how certain species exhibit more or less plasticity with respect to changing temperatures. Implications for urban ecosystem function and services.
Kogod	Finance and Real Estate	Moon Oulatta	Bank performance under uncertainty	How to protect the banking sector from uncertainty
Kogod	Finance and Real Estate	Leigh Riddick	Climate Change, Managerial Decisions, and Firm Value	Prof. Riddick is currently investigating the links between climate change and firm value.

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<b>Kogod</b>	Finance and Real Estate	Valentina Bruno	The Globalization of Financial Links in International Trade	Global trade has the potential to bring benefits to countries and improve the lives of millions of people because it promotes economic growth, technological progress, and consumer welfare. This research focuses on the financial aspect behind the efficient working of international trade.
<b>Kogod</b>	Finance and Real Estate	Mircea Enache	Washington Metro rail and sustainable transit and mobility	Proposal for using development-based Land Value Capture (LVC) and public private partnerships (P3) to address metro rail sustainable financing, transit-oriented developments (TOD), affordable housing served by transit, climate change action, and reducing the East-West divide in the Washington Region.
<b>SPA</b>	Government	Susan Glover	Book project, Diminishing Democracy?	This looks at the political and socio-economic place of two minorities within Namibia.
<b>SPA</b>	Government	Mark Kahan	FAA Reauthorization Act of 2018	Explore externalities and asymmetric information in the aviation sector
<b>SPA</b>	Government	Jeffry Burnam	Leadership Appeals to Morality: A Study on Climate Change	It concerns how to frame the climate change issue to build support for climate action
<b>CAS</b>	Health Studies	Melissa Hawkins	community health workers	role of CHWs to promote social equity in community health in DC
<b>CAS</b>	Health Studies	Robert Karch	Corporate Health Promotion	Much of my "work and research" over the past many years has been focused on the creating a healthy environment in workplace settings as well as the communities in which they are located. In short how best to engage and sustain healthy behaviors.
<b>CAS</b>	History	Allan Lichtman	Trump Presidency	Research on policies to combat climate change
<b>Kogod</b>	Information Technology	Jay Simon	Self-Sustaining Supply Chains, Decision Making with Geographic Data	Please look at my CV & abstracts of papers if interested: <a href="http://fs2.american.edu/jaysimon/www/">http://fs2.american.edu/jaysimon/www/</a>
<b>SPA</b>	Justice, Law, and Criminology	Michael Spochart	American Policing	Policing in America
<b>SPA</b>	Justice, Law, and Criminology	Janice Iwama	Douglas County Traffic and Pedestrian Stop Data Collection and Analysis	The project aims to develop and implement a process for documenting and analyzing traffic and pedestrian stop data to determine if any racial or ethnic disparities exist.
<b>CAS</b>	Literature	Sarah Trembath	antiracism in education	corrective narratives
<b>CAS</b>	Literature	Laura Ewing	Communicating Through Disaster: Social Media Advocacy Strategies	Best practices for social equity in communication before, during, and after an emergency situation

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CAS	Literature	David Pike	Corruption Plots, Imagined Publics: The Ethics of Space in the Millennial City; and Slum Lore: A Cultural History of Modern Urban Poverty	Both projects are focused on questions of social equity in urban settings, primarily around uses and struggles over the right to and uses of different urban spaces, in particular slums.
Kogod	Marketing	Ronald Hill	consumer well-being	concentrates on how consumers can develop a reasonable quality of life while simultaneously recognizing the rights of other citizens.
Kogod	Marketing	Sonya Grier	Multiple projects	<p>Most of my research touches on or includes sustainability from a social perspective as I address inequality issues.</p> <p>Professor Grier conducts interdisciplinary research on topics related to target marketing, race in the marketplace, the social impact of commercial marketing, and social marketing. Her current research investigates the relationship between marketing activities, and consumer health, with a focus on obesity.</p>
CAS	Math and Statistics	Maria Barouti	Monitoring Distributed Data Streams Through Node Clustering	Monitoring data streams in a distributed system is a challenging problem with profound applications. The task of feature selection (e.g., by monitoring the information gain of various features) is an example of an application that requires special techniques to avoid a very high communication overhead when performed using straightforward centralized algorithms.
CAS	Math and Statistics	Stephen Casey	New Architecture or Cell Phones	Making cell phones more energy efficient.
CAS	Philosophy and Religion	Lauren Weis	Equity and Ethics in STEM Education	Examines effects of applying an ethical reasoning framework to promoting and achieving equity in STEM Education
SPA	Public Administration and Policy	Laura Langbein	Pollution Reduction in China	Papers on role of rewards/punishment/state owned enterprises in reducing air pollution in China
SPA	Public Administration and Policy	Daniel Fiorino	Work on how to design a green economy	Studies the relationship between ecological and economic and social goals in society.
SOC	School of Communication	Gemma Puglisi	incarceration, justice	I have written and worked with several inmates who are incarcerated
SOC	School of Communication	Larry Engel	Who Speaks for Nature?	A film that I finished at the end of 2018, Who Speaks for Nature?, had its world premiere in Marcy, 2019, here in DC at

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				<p>the DC Environmental Film Festival and also screened at the San Francisco Latino Film Festival in September.</p> <p>I'm also working on a series of mini-docs about research in the Osa Peninsula by scientists working under the auspices of OSA Conservation, through which I also am planning a Classroom in the Wild experiential workshop for 2021. CitWs are run through the Center for Environmental Filmmaking in SOC.</p>
SOE	School of Education	Alida Anderson	Arts integrated approaches for accessing educational outcomes for students with disabilities	Innovative and inclusive pedagogies that increase access to content area instruction for students with disabilities (addresses social equity issues through improved educational access)
SOE	School of Education	Jennifer Steele	Information Gaps En Route to College and Career	Examines how gaps in access to information may promote disparities in socioeconomic outcomes and how we can change that
SOE	School of Education	Janice Koch	Teaching about Global Climate Change	This is a part of the Science concepts and engineering practices course for Spring 202 for elementary education
SIS	School of International Service	Alene Gelbard	Business-NGO Partnership Building	Increasing the ability of businesses and nonprofits to partner to improve community well-being based on practitioner experience.
SIS	School of International Service	Judith Shapiro	China, environment	Political and social dynamics of environmental degradation, and on the prospects for sustainable development in China.
SIS	School of International Service	Charles Kelly	Disaster Recovery	How to integrate sustainability into disaster recovery.
SIS	School of International Service	Quansheng Zhao	East Asia international relations	Political economy
SIS	School of International Service	Paul Wapner	Environmental Ethics/Wildness	I just completed a book titled, "Is Wildness Over?" (due out in May 2020). It examines, among other things, how people can most meaningfully respond to global wildness--in the form of climate change and biodiversity loss. I have also recently completed a few articles focused on various dimensions of climate suffering and ethical orientations to environmental degradation.

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SIS	School of International Service	Kenneth Conca	Flood resilience	examines politics and distributive consequences of flood resilience policies
SIS	School of International Service	Miles Kahler	Global governance and climate change	Part of a research paper dealing with global governance
SIS	School of International Service	Stefanie Onder	Income smoothing and cyclone damage in India	I provide new evidence for a coping strategy practiced by Indian farmers in such an environment. In the aftermath of a cyclone shock, farmers temporarily substitute away from high risk, high value crops towards less risky, low value crops. To show this, I exploit an interaction between the random timing of the cyclone hit and the district-crop-level growing season, which allows me to isolate the changes in output driven by the farmers' behavioral adaptation to the cyclone's damages. The findings show that the lack of an effective institutional risk sharing mechanism further aggravates the impact of the natural disasters, as farmers adopt production decisions that are more risk averse but also of lower economic value
SIS	School of International Service	Ruslan Garipov	Indigenous Peoples' Rights.	My research focuses on indigenous peoples' rights and sustainability, such as social equity or environmental stewardship in the places where indigenous peoples' reside. It addresses a sustainability challenges, such as climate change and poverty among indigenous communities. It furthers our understanding of the interconnectedness of societal and environmental challenges and leads toward solutions that support economic prosperity, social wellbeing, and ecological health for indigenous peoples.
SIS	School of International Service	Mohammed Abu-Nimer	Interreligious Peacebuilding: linking policy and religion	this research examines the gap between policy makers and religious agencies and their need to interact in order to effectively respond to current challenges facing all societies (including environmental and development challenges).
SIS	School of International Service	Claire Brunel	Links between the environment and the international economy	1) How do environmental policies affect the international competitiveness of countries. 2) Quantifying the extent of climate-induced migration

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SIS	School of International Service	Victoria Kiechel	Low carbon energy storage in the context of grid disruption	Alternatives to high-carbon (fossil fuels -- diesel, natural gas) onsite energy generation
SIS	School of International Service	Emma Fawcett	research and evaluation for an NGO (Oxfam)	renewable energy; climate change; global poverty; etc
SIS	School of International Service	Scott Freeman	Soil conservation in Haiti	Critical examination of soil conservation interventions in Haiti
SIS	School of International Service	Robin Broad	The Water Protectors: How Ordinary People Saved a Country from Big Gold	Book to be published by Beacon Press. Received a John Simon Guggenheim Fellowship for the project, which is based on ten years of "engaged scholarship" related to El Salvador. This included building a global coalition called International Allies. Some of the US-based/global environmental groups joined or worked with this coalition. International Allies' work has now expanded to other countries, including the Philippines, Guatemala, Colombia.
SIS	School of International Service	Malini Ranganathan	Urban Environmental Justice in the US and India	Broadly dedicated to questions of social and environmental inequity, historical origins, and contemporary iterations
SPEXs	School of Prof and Extd Studies	Alexia Nalewaik	Built environment sustainability	New perspectives, qualitative elements
SPEXs	School of Prof and Extd Studies	Heather Heckel	Community-led sustainable development	I research how local communities pursue projects that lead to environmental and other SDG outcomes.
SPEXs	School of Prof and Extd Studies	Jeffrey Sosland	Water Politics of the Arab-Israeli conflict	Water Politics of the Arab-Israeli conflict
CAS	Sociology	Chenyang Xiao	gender difference in pro-environmental attitudes, beliefs, and behaviors in China and the USA	Pro-environmental attitudes, beliefs, and behaviors are important part of sustainability. This research explores determinants of such attitudes, beliefs, and behaviors.
CAS	Sociology	Jerri Husch	Urban Agriculture, Climate Change Adaptation	food urbanism, social policy, social transformation, innovation and solutions to climate change challenges

