

Kieren Rudge

(They/Them)

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EDUCATION

PH.D., ENVIRONMENTAL SCIENCE, POLICY, & MANAGEMENT
University of California, Berkeley, 2022-Present (In Progress)

Specializations: Environmental justice, climate change adaptation, critical race theory, U.S. Territories, & critical Pacific Island studies.

M.ESc., ENVIRONMENTAL SCIENCE
Yale University, 2022

Specialization: People, Equity, and the Environment

Thesis: Frameworks to attain climate justice: Critical analyses of climate change adaptation planning and research

B.S., ENVIRONMENTAL SCIENCE
Johns Hopkins University, 2019

Transferred from United States Naval Academy, 2017

Specialization: Environmental Justice & Policy

Capstone project: Urban water systems & green spaces: Designing and implementing an experiential environmental education curriculum

PUBLICATIONS

PEER-REVIEWED ARTICLES

K. Rudge, "Leveraging critical race theory to produce equitable climate change adaptation", *Nature Climate Change* (2023). doi: doi.org/10.1038/s41558-023-01690-9

K. Rudge, "Participatory climate adaptation planning in New York City: Analyzing the role of community-based organizations", *Urban Climate* 40 (2021): 101018. doi: doi.org/10.1016/j.uclim.2021.101018

K. Rudge, "The potential for community solar in Connecticut: A geospatial analysis of solar canopy siting on parking lots", *Solar Energy* 230 (2021): 635-644. doi: doi.org/10.1016/j.solener.2021.10.038

K. Rudge, "Changing climate, changing discourse: Analyzing reporting of climate change and economic development in the U.S. Virgin Islands", *Climate Risk Management* 33 (2021): 100350. doi: doi.org/10.1016/j.crm.2021.100350

(IN PROGRESS)

K. Rudge, "Examining climate change adaptation scholarship on U.S. Pacific Island Territories: A critical review"

K. Rudge, N. Tilton, S. Perez, S. Frain, "Relocating military occupation: Historically situating the U.S. Marine Corps' planned migration from Okinawa to Guåhan"

REPORTS

M. Scully, **K. Rudge**, D. Roe, B. Pelletier, "[The path to 100%: Transitioning Connecticut communities to 100% clean, renewable energy](#)", *PACE*, Sept. 2021.

K. Rudge, M. Scully, "[Solar canopies in Connecticut: Siting potential, implementation guidance, and policy considerations](#)", *People's Action for Clean Energy*, June 2021.

PUBLIC SCHOLARSHIP

K. Rudge, "[US Marines Departing Okinawa may Threaten Critical Ecosystems in The Marianas](#)", *East-West Center: Asia Matters for America*, August 2023

K. Rudge, "[Local Communities Drive Typhoon Recovery and Climate Resilience in Guam](#)", *East-West Center: Asia Matters for America*, July 2023

K. Rudge, "[Diversity and disparities among AAPI communities in higher education](#)", *East-West Center: Asia Matters for America*, June 2023

K. Rudge, "[A colonial legacy of environmental injustice in U.S. territories](#)", *Yale Environment Review*, Nov. 2022.

K. Rudge, "[The environmental field must value students of color](#)", *Yale Environment Review*, Oct. 2022.

K. Rudge, "[Solar canopies need to be a part of Connecticut's energy plan](#)", *Energy News Network*, May 2021.

K. Rudge, "[Environmental justice and the fight to be heard](#)", *Vibrant Environment, Environmental Law Institute*, April 2019.

WORK EXPERIENCE

RESEARCH & POLICY

Young Professionals Program

East-West Center in Washington, 2023-Present

- Wrote independent articles on critical issues facing Pacific Islands and AAPI communities.
- Conducted research, and wrote content for multi-issue policy reports on Hawai'i state partnerships with non-U.S. Pacific Islands.
- Contributed to curriculum on militarization in The Pacific.

Graduate Student Researcher

Yale School of the Environment, 2020-2022

- Researched climate resiliency planning processes to investigate environmental justice concerns.
- Used mixed methods approaches including quantitative and qualitative social sciences and geospatial analysis.

Operations Manager

People's Action for Clean Energy, 2020-2021

- Completed geospatial solar siting study assessing the potential for community-based solar across all Connecticut towns.
- Designed clean energy policy guide to aid local groups in enacting municipal climate action plans and led educational programs.

RESEARCH & POLICY (CONT.)

Research and Publications Intern

Environmental Law Institute, 2019

- Researched the implementation of solar microgrids in low-income urban communities.
- Proposed justice-focused restoration plans to support coastal community revitalization in towns on the Gulf of Mexico.

Clean Transportation Intern

Sierra Club, Maryland Chapter, 2018

- Facilitated transit equity coalition meetings in coordination with multiple community organizations.
- Interviewed public transit riders to shape a political platform.
- Analyzed impact statements and highlighted vulnerable areas.

Climate Policy and GIS Intern

WE ACT For Environmental Justice, 2018

- Supported policy advocacy to address racial and economic disparities related to climate change in Northern Manhattan.
- Analyzed spatial data and developed maps of resources and vulnerabilities related to climate hazards.

National Science Foundation Research Intern (REU)

Human Engineering Research Laboratories, University of Pittsburgh, 2017

- Completed independent project researching robotic technology to improve accessibility for people with disabilities.
- Won intern poster presentation contest that centered on effective science communication towards public stakeholders.

TEACHING & MENTORING

Graduate Student Instructor

University of California, Berkeley, 2023-Present

- Fall 2023: Environmental Justice: Race, Class, Equity, and the Environment (Prof. Michael Mascarenhas)

Graduate Student Research Mentor

University of California, Berkeley, 2023

- Supporting undergraduate students in writing effective research proposals.
- Leading workshops on research design, scientific writing, conducting literature reviews, community-engaged research, and other skills.

Teaching Fellow

Yale School of the Environment, 2021-2022

- Spring 2022: Food Systems: Implications of Unequal Access (Prof. Dorceta Taylor).
- Fall 2021: Critical Race Theory (Prof. Gerald Torres) – with Yale Law School.
- Spring 2021: Poverty, Environment, and Inequality (Prof. Dorceta Taylor).

Environmental Educator & Park Ranger

New York City Parks Department, 2019-2020

- Designed and taught environmental justice-focused education programs discussing indigenous histories, climate change, and more.
- Lead outreach programs to involve local teachers and K-12 students in education and conservation programs.

Teaching Assistant

United States Naval Academy, 2016-2017

- Spring 2017: Engineering Statics.
- Fall 2016: Introduction to Chemistry.

OTHER POSITIONS

Staff Writer

Yale Environment Review, 2022

- Produced broadly accessible articles on emerging environmental research.

Social Media Producer.

Yale Program on Climate Change Communication, 2020-2021

- Created social media infographics and messaging to communicate data on climate change and related public perceptions.

Constituent Services Intern.

Office of Congressman Elliot Engel, 2015

- Led outreach to constituents to increase awareness of government services.
- Supported case work to aid people having issues with other agencies.

PRESENTATIONS

K. Rudge, “Analyzing reporting of climate change and economic development in the U.S. Virgin Islands”, *Conference on Island Sustainability*, University of Guam, Tamuning Guam, April 2023.

K. Rudge, “Participatory climate adaptation planning in New York City: Analyzing the role of community-based organizations”, *Hixon Fellows Symposium*, Hixon Center for Urban Ecology, Yale School of the Environment, Virtual, Jan. 2022.

K. Rudge, E. Hammerling, P. Hearn, C. Gazillo, “[Panel on Land Conservation and Solar Siting](#)”, *2022 Environmental Summit*, Connecticut League of Conservation Voters, Virtual, Jan. 2022.

K. Rudge, “Reporting trends on climate change and economic development in the U.S. Virgin Islands”, *15th Annual Graduate Climate Conference*, University of Washington and Massachusetts Institute of Technology, Virtual, Oct. 2021.

K. Rudge, “Climate, community, economy, and health: Reporting of climate change and intersecting issues in the U.S. Virgin Islands”, *Conference on Climate Change and Health in Small Island Developing States: Focus on the Caribbean*, Yale School of Public Health, New Haven, CT, Oct. 2021.

X. Zhang, L. Fisher, **K. Rudge**, Y. Xu, “Joint panel on climate policy”, *Sino-American Youth Dialogue on Climate Change*, Tsinghua University, Virtual, Oct. 2021.

K. Rudge, “Changing climate, changing discourse: Climate change and economic development in the U.S. Virgin Islands”, *Sino-American Youth Dialogue on Climate Change*, Tsinghua University, Virtual, Oct. 2021.

K. Rudge, “[Community-based solar and energy democratization: Statewide and municipal cases in Connecticut](#)”, *Low-Carbon AESS Conference*, Association for Environmental Studies and Sciences, Virtual, June 2021.

K. Rudge, “[Solar canopies in CT: Siting potential, policies, and implementation](#)”, *Connecticut Energy Network Webinar Series*, Virtual, June 2021.

K. Rudge, “Equitable Adaptation: Examining the Inclusivity of Participatory Climate Planning Processes in New York City”, *Bren Environmental Justice Symposium*, University of California Santa Barbara, Virtual, May 2021.

K. Rudge, “[The potential for community-based solar in Connecticut: A geospatial analysis of solar canopy siting on parking lots](#)”, *New Horizons in Conservation Conference*, Yale School of the Environment, Virtual, April 2021.

	<p>K. Rudge, “Comparing mobility with the Strong Arm Robotic Assisted Transfer Device to a Standard Patient Lift: A pilot study”, <i>ASPIRE Research Competition</i>, Human Engineering Research Laboratories, University of Pittsburgh, August 2017.</p>
GRANTS	<p>Summer 2023 Research Grant. Environmental Science, Policy, & Management Department, University of California, Berkeley. (\$2,000)</p> <p>Environmental Forum Research Grant. Environmental Science, Policy, & Management Department, University of California, Berkeley. (\$2,000)</p> <p>Non-Profit and Government Research Project Grant. Krieger School of Arts & Sciences, Johns Hopkins University (\$2,500)</p>
FELLOWSHIPS	<p>Honorable Mention. Ford Foundation Predoctoral Fellowship.</p> <p>Chancellor’s Fellowship. University of California, Berkeley. (\$34,000)</p> <p>Hixon Research Fellowship. Hixon Center for Urban Ecology, Yale School of the Environment (\$5,000)</p> <p>Climate Project Fellowship. Climate Change Science and Solutions Learning Community, Yale School of the Environment. (\$500)</p> <p>Research Experience for Undergraduates (REU) Fellowship. National Science Foundation (\$5,000)</p>
AWARDS	<p>Stratchen Donnelley Research Award, Yale School of the Environment (\$500)</p> <p>Best Presentation Award. Sino-American Youth Dialogue on Climate Change, Tsinghua University and Massachusetts Institute of Technology (\$2,000)</p> <p>3rd Place Winner, Flash Talk Competition. Bren Environmental Justice Symposium, University of California, Santa Barbara</p> <p>Winner of Research Intern Poster Presentation Competition. ASPIRE Competition, Human Engineering Research Laboratories, University of Pittsburgh</p>
OTHER SERVICE	<p>Department Steward, United Auto Workers Union Local 2865, 2023-Present.</p> <p>Co-founder & Research Team Member, Marianas Critical Research Initiative, 2023-Present.</p> <p>Board Member & Mentor, ESPM mentoring program for undergraduates, University of California, Berkeley, 2022-Present.</p> <p>Member, Climate Social Science Network, 2022-Present.</p> <p>Peer Reviewer, American Journal of Climate Change, 2022.</p> <p>Student Leader, EJAY - Environmental Justice Student Group, Yale School of the Environment, 2021-2022.</p> <p>Community Conversations Planning Committee, Yale School of the Environment, 2020-2022.</p>

Yale Senior Symposium Judge, Yale College, 2021.

MEDIA
COVERAGE

Featured in ESRI article entitled, "[Shining Bright: How a Connecticut Group Is Pinpointing Potential Parking Lot Solar Canopies](#)", *ESRI Stories*, March 2023

Interviewed in Hamera Shabbir's article entitled, "[Yale researchers highlight environmental health disparities in LGBTQ+ populations](#)", *Yale Daily News*, February 2021

Featured in Richard Conniff's article entitled, "[Why putting solar canopies on parking lots is a smart green move](#)", *Yale Environment 360*, November 2021

Featured in Lisa Prevost's article entitled, "[Study: Connecticut could conserve land by installing solar above parking lots](#)", *Energy News Network*, November 2021

Featured in John Fitzgerald Weaver's article entitled, "[Solar-covered parking lots could offer multiple benefits](#)", *PV Magazine*, November 2021.

Featured in Liu Xuan's article entitled, "[Youth Vow to take urgent action on climate change](#)", *ChinaDaily.com*, November 2021

Featured in article entitled, "[Sino-American Youth Dialogue 'Making Carbon Neutral, Youth in Action'](#)", *China-United States Exchange Foundation*, November 2021.