

Amanda Sie

Rutgers University Department of Sociology
Davison Hall, 26 Nichol Avenue
New Brunswick, NJ 08901

Education

Rutgers University , New Brunswick, NJ Ph.D. Candidate in Sociology	In Progress
Rutgers University , New Brunswick, NJ M.A. in Sociology Graduate Certificate in Human Dimensions of Environmental Change	2022
Boston College , Chestnut Hill, MA B.A. in Environmental Studies with Sociology Concentration, with honors	2017

Publications & Papers under review

Sie, Amanda. 2024. "Climate Engineering: Worth the Risks?" in *Routledge Handbook of Climate Change and Society*, edited by S. R. Brechin and S. Lee. Routledge.

Sie, Amanda, Frederic Traylor. 2025. "Moral Hazard of Carbon Dioxide Removal and Solar Radiation Management in the US," submitting to *Energy Research and Social Science*.

Sie, Amanda, Steven R. Brechin, and Christopher Borick. 2025. "Geoengineering prioritization: a study of a proposed expression of mitigation deterrence" submitted to *Climatic Change*.

Jorgenson, Andrew K., Wesley Longhofer, Don Grant, **Amanda Sie**, and Vincentas Giedraitis. 2017. "The Effects of Economic and Political Integration on Power Plants' Carbon Emissions in the Post-Soviet Transition Nations." *Environmental Research Letters* 12(4):044009. doi: 10.1088/1748-9326/aa650b.

Honors, Awards, Grants, & Fellowships

Conference Grant Award, Rutgers School of Graduate Studies, \$1000	2025, 2024, 2022
Small Grants Award, Rutgers University Department of Sociology, \$500	2024
RCI Student Support Fund, Rutgers Climate Institute, \$400 (spring) & \$500 (fall)	2023
Small Grants Award, Rutgers University Department of Sociology \$450 (spring) & \$600 (fall)	
Small Grants Award, Rutgers University, Department of Sociology, \$450	2022
Gretel Weiss Research Grant, Rutgers University Department of Sociology Project in collaboration with Steven Brechin	2019 – 2020
Phi Beta Kappa Honor Society	2017
Scholar of the College, Boston College	
Alpha Sigma Nu Honor Society	2016
Undergraduate Research Fellow, Boston College	2014-2016
Dean's List First Honor, Boston College	2014-2017

Presentations & Conference Participation

Degrees Global Forum, Cape Town, South Africa May 2025
Session organizer and presenter: Mainstream and Alternative Epistemologies in SRM
“Constructions of Risk in SRM Research”

Eastern Sociological Society, Boston, MA March 2025
Environmental sociology mini-conference
Session IV: Resilience and Climate Response
“The Role of Justice and Equity in Solar Geoengineering Research”

Eastern Sociological Society, Washington, DC February 2024
Presidential Theme: Science and Technology Studies
“Should Solar Geoengineering Research Happen?: How Modelers Respond”

Climate Engineering Gordon Research Conference, Lucca, Italy February 2024
Poster Presentation
“Effect of Information on Climate Engineering Public Perceptions and Climate Resource Allocation”

American Sociological Association, Philadelphia, PA August 2023
Production and Management of Environmental Risks Roundtable
“Changing Concepts of Risk in Justifying Solar Geoengineering”

Eastern Sociological Society, Baltimore, MD February 23, 2023
Environmental sociology mini-conference paper session: Envisioning climate change mitigation across multiple scales
“Contingencies of Geoengineering’s Moral Hazard Problem”

American Sociological Association, Virtual August 2021
Energy and Environment Roundtable
Roundtable Organizer/Presider

Advancing Research and Scholarship at Boston College, Chestnut Hill, MA December 2016
Undergraduate poster session
“Feminist Foodies: Prioritizing Women in Coastal Fisheries Management and Fisheries Development in the Pacific Islands”

Research Projects & Experience

Climate Engineering and Climate Change Beliefs In Progress

- Manuscript in progress using data from “To assess the impact of different online survey samples in eliciting public preferences for energy system decarbonization” (Rachel Shwom, Steven Brechin, Frederic Traylor)
- Investigating preferences for climate actions amongst climate engineering, mitigation, and adaptation

Graduate Research Assistant

Sept 2022 – November 2023

- RA for Melissa Aronczyk’s project “The Business of Influence: Networks, Narratives, and Strategies of Influence and Non-Influence around Climate Change” funded by Climate Social Science Network
- Conducting background research and writing report on PR firms involved in shaping strategies for energy companies on climate change

Climate Change Solutions Project

July 2019 – 2021

- In collaboration with Steven Brechin, advisor
- Develop database of climate change mitigation solutions, both existing and proposed
- Analyze attitudes towards each solution from different social groups to better understand feasibility of solutions

Undergraduate Research Fellow, Boston College Dept. of Sociology

May – Dec. 2016

Advisor: Andrew Jorgenson

- Conducted literature reviews on Chinese provincial energy policies and EU energy policies in recently-joined Eastern European nations
- Validated data using online databases, processed and analyzed raw data to be used for analysis models

Undergraduate Research Fellow, Boston College Dept. of Sociology

Summers 2014 – 2015

Advisor: Brian Gareau

- Developed methods for the quantitative analysis of historical cranberry agricultural publications for future studies of sustainable agricultural trends
- Coordinated primary resource analysis with research associates
- Analyzed historical cranberry farming literature for insights relevant to our research hypothesis

Teaching

Instructor, Rutgers University

Fall 2024

Sociology 101, Introduction to Sociology

Instructor, Rutgers University

Fall 2023

Sociology 359, Environmental Sociology

Teaching Assistant, Rutgers University

Spring 2025

Sociology 311, Social Research Methods, Instructor: Chris Drue

Teaching Assistant, Rutgers University

Spring 2024

Sociology 115, Color of Health, Instructor: Dawne Mouzon

Teaching Assistant, Rutgers University

Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2022, Spring 2023

Human Ecology 279, Politics of Environmental Issues, Instructor: Ethan Schoolman

Workshops

Environmental Sociology Workshop, Rutgers University 2023
Presented research; led workshop on climate anxiety

Environmental Governance Group Workshop, Rutgers University 2021
Organized and led Zoom workshop on governance of solar geoengineering

Problem Solving Sociology Dissertation Development Workshop, Northwestern University May 2020

Professional Memberships

Climate Social Science Network
American Sociological Association
Eastern Sociological Association

Work & Service

Associate Dean of Recruitment and Retention, School of Graduate Studies,
Rutgers University Jan 2021 – Aug 2022
Graduate Assistant
Mentored undergraduate participants in summer research program, organized events,
administered fellowships

Faculty Search Committee, Rutgers University Dept of Sociology Fall 2021
Graduate Representative
Organized job interview meetings with graduates, and graduate input for environmental job hire

Graduate Union of Sociology Students, Rutgers University 2019 – 2023
President, Treasurer, Social Coordinator, First Year Rep
Facilitated communication between dept. leadership and graduate students, organized meetings
and social events

Technical Skills

- R
- Stata
- SPSS
- ArcGIS