Caroline Beckman
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Research Interests

Human response to climate hazards, wildfire, community-based research, climate vulnerability and adaptation, political ecology.

Education

University of Michigan   **Ann Arbor, MI**
School for Environment and Sustainability, *PhD Student*   *2023-2028 (expected)*

Stanford University   **Stanford, CA**
Earth Systems Program, *Bachelor of Science with Honors*   *2017-2021*

Teaching & Research Experience

Research Assistant   **Stanford, CA**
    Wong-Parodi Lab (Erica Bower and Dr. Gabrielle Wong-Parodi)   *2022-present*
- Lead author for project on studying narrative frame and claims-making among youth climate activists in the South Pacific

    Stanford Social Ecology Lab (Dr. Nicole Ardoin and Dr. Mele Wheaton)   *2018-2022*
- Facilitated field data collection and analysis from 250+ participants on whale-watching trips, wrote literature review & manuscript
- Led survey development, deployment, analysis, and writing of journal article examining university-land trust partnerships
- Conducted thesis focusing on land trusts' equity work using survey data and interviews
- Co-taught weekly "Journal Club" for other lab researchers in the summer of 2020

    Jackson Lab (Dr. Rob Jackson)   *2018-2019*
- Analyzed soil samples to determine impacts of controlled burns on carbon content

Oral History Interviewer   **Stanford, CA**
    Stanford Historical Society   *2017-2019*
- Conducted oral history interviews with Bayview-Hunters Point residents regarding nuclear contamination, environmental pollution, and gentrification in their community
- Interviewed female activists for "The Movement Oral History Project: Antiwar Protest and Allied Activism in the Stanford Community, 1963-1973"

TA & Digital Ambassador   **Stanford, CA**
    Stanford Introductory Studies   *2020-2021*
- Worked with students to prepare papers, final presentations, and group projects in three classes (History, Chemical Engineering, and English departments)
- Facilitated regular discussion group sections for 15 undergraduates
- Supported faculty in restructuring their courses in an online format due to COVID-19

Publications

Beckman, C., Wheaton, M., Sawe, N., & Ardoin, N. M. (2023). Incorporating justice, equity, and access priorities into land trusts' conservation efforts. *Biological Conservation, 279,* 109926.

Herbert, N., **Beckman, C.**, Cannedy, C., Cao, J., Cho, S. H., Fischer, S. L., ... & Wong-Parodi, G. (2023). Improving adaptation to wildfire smoke and extreme heat in frontline communities: Evidence from a community-engaged pilot study in the San Francisco Bay Area. *Environmental Research Letters*.

Beckman, C., Bower, E., Zerbe, A., Wong-Parodi, G. (in prep). The effect of varying narrative frame in a petition to influence support for a climate change claim in the Pacific.

Work Experience

Resilient Homes Program Manager   **East Palo Alto, CA**
Climate Resilient Communities (CRC)   *2020-2023*
- Second employee at a fast-growing community-based organization: lead grant writing, hiring, strategic planning, project coordination, grades 8-12 education programming, and grant administration
- Work one-on-one income-qualified residents with free or subsidized home repairs, weatherization services, and energy efficiency upgrades; currently oversee two staff to direct this program
- Assisted with recruitment for a research study in partnership with Stanford University to understand how low-income households think about and adapt to climate hazards like wildfire smoke

Student Advisor   **Stanford, CA**
Stanford Earth Systems Program   *2020-2021*
- Worked with team of fellow student advisors to plan events and advise students
- Served as a representative of the major in the development of a DEI action plan and committee; contributed to the development of a new Environmental Justice minor associated with the major

Selected Presentations

Stanford Atmosphere and Energy Seminar: Community Voices for Equitable Climate Solutions, *April 2022*

AASHE Live Educational Session: A Case for Academia's Role in Advancing Conservation and Biodiversity to Address Climate and Human Health, *October 2021*

Stanford Research with Impact Series: Our Communities, Our Bay Collaborative Research Project, *September 2021*

ALPINE Webinar Series: Universities and Land Trusts Collaborating for Solutions, *October 2020*

Honors & Awards

Phi Beta Kappa	*2020*
Graduated with Distinction (top 10% of class) & honors	*2021*
Miller-Marsden Prize for Innovative Research on the Environment	*2021*
Dean's Award for Outstanding Undergraduate Academic Achievement	*2021*
Award for Outstanding Service to the Earth Systems Program	*2021*
MUIR Research Grant	*2020 & 2021*

Relevant Skills

Mixed methods social science research: qualitative interviewing; quantitative survey design, implementation, and analysis; community engagement; research co-design; project and budget management

Software and tools: R, ArcGIS, QGIS, NVivo, Java, Qualtrics, Adobe Photoshop