



ALEXANDRA HARDEN

Ph.D. Student, Geography
University of Connecticut

RESEARCH INTERESTS

I am interested in how climate variability and long-term change interact with climate culture to affect the lived experience of rural mountain communities.

RESEARCH EXPERIENCE

Global Adaptation Mapping Initiative

2020 | Coder

- The Global Adaptation Mapping Initiative (GAMI) is a collective global effort to systematically gather and synthesize literature on climate change adaptation. GAMI is in the process of reviewing thousands of peer-reviewed articles in order to develop the first systematic global assessment of empirical evidence on adaptation progress. This initiative was developed to provide synthesis results to inform the ongoing Intergovernmental Panel on Climate Change (IPCC) 6th Assessment Report (AR6), seeking to answer the question: Are we adapting?

Advanced Consortium on Cooperation, Conflict, and Complexity (AC4)/ United Nations Development Programme (UNDP)

2018-2019 | Research Fellow

- This research project focused on sensitive socio-ecological systems adaptive capacity in the Horn region of East Africa. The work was based on a historical analysis of holistic system adaptation and applied through an integrated conceptual model approach to address multidimensional system resilience given converging pressures from climate and conflict.

The Consortium for Capacity Building (CCB)/ Institute of Arctic Alpine Research (INSTAAR)

2018-2019 | Assistant Researcher

- El Niño Ready Nations is an ongoing project that focuses on the varying conceptualizations of 'readiness' when it comes to being prepared on a national level for a climate-, water-, and/or weather-related disaster experienced during a declared El Niño season. I constructed a PR plan that created a media network in 30 countries. This included tiered content creation to address any changes in the 2018-2019 El Niño forecast.

CONTACT ME

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EDUCATION

2019-present
University of Connecticut
Ph.D. student- Geography

2016- 2017
Columbia University
Master of Arts- Climate and Society

2014-2016
University of Colorado Boulder
Continuing Education-
Atmospheric and Oceanic Science

2004-2008
Colgate University
Bachelor of Arts- Political Science,
Writing and Rhetoric

RESEARCH EXPERIENCE

Advanced Consortium on Cooperation, Conflict, and Complexity (AC4)/ United States Agency for International Development (USAID)

2017-2018 | Research Fellow

- This project was a natural resource management project in the Peruvian Amazon, which focused on strengthening Indigenous capacity in conflict resolution and natural resource management. My role was to examine the evolution of academic theory behind conflict-sensitive conservation practices and how this has contributed to current field standards. I furthered this research by identifying the different components of good practices in the field, as supported by academic publications, and how this can differ in actual implementation

The Consortium for Capacity Building (CCB)/ Institute of Arctic Alpine Research (INSTAAR)

2015-2016 | Research Assistant

- For this project, I worked with the Consortium for Capacity Building on a USAID/NOAA grant on how nations can prepare and cope with weather-related disasters to become an El Niño and La Nina Ready nation. My responsibilities included monitoring news outlets in 14+ countries. This monitoring was designed to note any instabilities with a country's political, social, and economic environments. These instabilities focused primarily on economic fluctuations, disease outbreaks, human migration patterns, political instability, and other secondary impacts of changing climate variability due to naturally occurring ENSO cycles.

TEACHING EXPERIENCE

University of Connecticut

2019-2020 | Teaching Assistant

- GEOG 2300 Introduction to Physical Geography
 - The physical elements and processes of the lithosphere, hydrosphere, and atmosphere are considered in relation to one another and to the distribution of the world's environments. Emphasis on the basic concepts and theories of physical geography.
- GEOG 2000 Globalization
 - Globalization as a complex-multidimensional process. Linkages and interconnectedness between spatial processes and social, cultural, economic, political, and environmental change around the world today. Theory and impacts of economic, social, political, and cultural globalization through case studies at the local, regional, national, and international scales.
- GEOG 1200 The City and the Western Tradition
 - A broad discussion of the role and structure of the city in the Western tradition from the classical period to contemporary America. Special emphasis will be placed on the mechanisms by which cities and ideas about them have been diffused from one place to another and on the changing forces that have shaped the Western city.
- GEOG 1000 Introduction to Geography
 - Principles, concepts, and methods of modern geography are developed both in general form and specific case studies. Examples pertaining to both the human and physical environment will be discussed.

New York Ski Education Foundation

2017- 2019 | Academic Advisor and Math Tutor

- Provided math tutoring to student-athletes enrolled in middle and high school curriculums. Coordinated assignments, exams, and progress reports with various school districts.

TEACHING EXPERIENCE

University of Colorado Boulder

2015 | Teaching Assistant

- ATOC 1050 Weather and the Atmosphere
 - Introduces principles of modern meteorology for nonscience majors, with emphasis on scientific and human issues associated with severe weather events. Includes description, methods of prediction, and impacts of blizzards, hurricanes, thunderstorms, tornadoes, lightning, floods, and firestorms.

PROFESSIONAL EXPERIENCE

International Studies Association

2020- current | Graduate Assistant

- As a graduate assistant, I help the International Studies Association plan its annual convention, where I am currently a member of the operations and logistics team.

GlacierHub

2016-2017 | Contributing Writer

- At GlacierHub, I researched and wrote articles leveraging various resources, including academic journals, non-peer-reviewed articles, and interviews, which focused on glacial health and the secondary impacts of glacial change. I contributed articles designed to be accessible and effectively communicate glacial change for a diverse, global audience.

Horse Warriors

2016 | Assistant Director

- I have been actively involved with the Horse Warriors program since April of 2009, where I started as an Assistant to the Director. This program is an equine-based empowerment program for children 6-18 based in Jackson, Wyoming. Students learn to teach and model safe, healthy development of personal boundaries, clear communication, creative self-expression, exploration of feelings, and positive interactions between themselves and their parents.
- My responsibilities included general ranch management (17 horses), lesson planning, logistical operations, teaching horsemanship and horse safety, mentoring, and helping lead trail rides in Grand Teton National Park.

IRONMAN

2013-2015 | Sustainability and Marketing Operations

- At IRONMAN, I was responsible for researching, developing, and implementing a sustainability program with long-term goals of standardizing procedure across all IRONMAN, IRONMAN 70.3, and Iron Girl events. I increased sustainability initiatives by developing a marketing and branding strategy. Further promoted awareness through critical partnerships with TerraCycle and Waste Management.

FUNDING

INTPART for International Partnerships

2019-2021 | Arctic Field Schools Participant

- Norway-Canada-U.S. Collaboration for International Partnerships
 - Location: Kluane Lake Research Station, Kluane Lake, Yukon, Canada
 - Topic: Understanding the cryosphere, cryosphere change, and impacts of change on people and ecosystems

PUBLICATIONS

Fisher, J., H. Stutzman, M. Vedoveto, D. Delgado, R. Rivero, W. Quertehuari Dariquebe, L. Seclén Contreras, T. Souto, **A. Harden**, and S. Rhee. 2019. Collaborative Governance and Conflict Management: Lessons Learned and Good Practices from a Case Study in the Amazon Basin. Society & Natural Resources.

PUBLICATIONS IN REVIEW

Araos, M., R. Shukla, I. Ajibade, E. Coughlan de Perez, K.Davis, J.D. Ford, E.K. Galappaththi, C. Grady, A.J. Hudson, E.T. Joe, C.J. Kirchhoff, A. Lesnikowski, G. Nagle Alverio, M. Nielsen, B. Orlove, B. Pentz, D. Reckien, A.R. Siders, N. Ulibarri, M. van Aalst, T. Zulfawu Abu, T. Agrawal, L. Berrang-Ford, R. Bezner Kerr, S. Coggins, M. Garschagen, **A. Harden**, K.J. Mach, A. Marshall Nunbogu, P. Spandan, S. Templeman, L.L. Turek-Hankins. (Submitted). Equity in adaptation: A systematic global review. One Earth.

Berrang-Ford, Siders, Lesnikowski, Fischer, , Callaghan Haddaway, Mach, Araos, Shah, Wannowitz, Doshi, Leiter, Matavel, Musah-Surugu, Wong-Parodi, Antwi-Agyei, Ajibade, Chauhan, Kakenmaster, Grady, Chalastani, Jagannathan, Galappaththi, Sitati, Scarpa, Totin, Davis, Hamilton, Kirchhoff, Kumar, Pentz, Simpson, Theokritoff, Deryng, Reckien, Zavaleta-Cortijo, Ulibarri, Segnon, Khavhagali, Shang, Zvobgo, Zommers, Xu, Williams, Villaverde Canosa, van Maanen, van Bavel, van Aalst, Turek-, ankins, Trivedi, Trisos, Thomas, Thakur, Templeman, Stringer, Sotnik, Sjostrom, Singh, Siña, Shukla, Sardans, Salubi, Safaee Chalkasra, Ruiz-Díaz, Richards, Pokharel, Petzold, Penuelas, Pelaez Avila, Pazmino Murillo, Ouni, Niemann, Nielsen, New, Nayna Schwerdtle, Nagle Alverio, Mullin, Mullenite, Mosurska, Morecroft, Minx, Maskell, Marshall Nunbogu, Magnan, Lwasa, Lukas-Sithole, Lissner, Lilford, Koller, Jurjonas, Joe, Huynh, Hill, Hernandez, Hedge, Hawxwell, Harper, **Harden**, Haasnoot, Gilmore, Gichuki, Gatt, Garschagen, Ford, Forbes, Farrell, Enquist, Elliott, Duncan, Coughlan de Perez, Coggins, Chen, Campbell, Browne, Bowen, Biesbroek, Bhatt, Bezner Kerr, Barr, Baker, Austin, Arotoma-Rojas, Anderson, Ajaz, Agrawal, Abu. (Submitted). Mapping evidence of human adaptation to climate change. Nature Climate Change.

McDowell, G., M. Stevens, A. Lesnikowski, C. Huggel, **A.Harden**, J. DiBella, M. Morecroft, P. Kumar, ET. Joe. (Submitted). Closing the Adaptation Gap in Mountains. Mountain Research and Development.

MANUSCRIPTS IN PREPARATION

Boyer, M., **A. Harden**. Foreign Policy Analysis: Climate Change. To be included in Oxford Handbook of Foreign Policy Analysis.