Environmental Demography

The complex interactions between population and the environment

- Population, Natural Resources & Social Institutions
- Population Dynamics and Environmental Hazards
- Sociodemographic Variation in Environmental Perceptions
- Data Innovations and data integration
- Methods Advancement
Environmental Demography

Faculty Affiliates working in the ED arena

Amanda Carrico
Colleen Reid
Fernando Riosmena
Jani Little
Lori Hunter
Lori Peek
Mara Goldman
Myron Gutmann
Scott Ortman
Seth Spielman
Stefan Leyk
Taylor Jaworski
Terrence Mccabe

Joel Hartter
Karen Bailey
Morteza Karimzadeh
Krister Andersson
Environmental Demography

*Population, Natural Resources, and Social Institutions*

- Sustainability
- How do social institutions mediate human reactions to environmental change
- Social and environmental justice
Environmental Demography

Population Dynamics and Environmental Hazards

- How do interactions between social, natural, and technological systems produce environmental hazards?
- Examine the associations between demographic processes and both natural and human-made environmental hazards

CUPC Day 2021
Environmental Demography

Sociodemographic Variation in Environmental Perceptions

- Although public environmental awareness and concern has increased over the past decades, there is demographic variation.
- Research examines the ways in which social and demographic factors help understand variation in environmental perceptions.
Environmental Demography

Leveraging Data Innovations to Model Changes in human and environmental systems

- Historical Settlement Data Compilation of the U.S. (HISDAC-US)
- Rurality at fine scale over time
- Historical population data
- Center for Collaborative Synthesis in Archaeology
- Historical maps and remote sensing data
Environmental Demography

Uhl et al., 2021 Remote Sens.
Methodological Advancements in CUPC overlapping research efforts

- Mixed, statistical, spatial and spatio-temporal methods:
  - Population projections
  - Exposure modeling
  - COVID-data analysis and demographic factors related to trends
COVID-19 infection rates over time and across the rural-urban continuum in Germany and the US

Uhl et al., 2021
Environmental Demography

9:15-9:20  Stefan Leyk (Geography), Intro
9:20-9:25  Scott Ortman (Anthropology)
           “The Role of Archaeology for Climate Change Adaptation”
9:25-9:30  Catherine Talbot (Sociology)
           “Introducing the ‘Tiny Town’ Project”
9:30-9:35  Short Q&A