

## Creative Climate Communications

### Composition #1: More Than Scientists

#### Barbara MacFerrin

Graduate Student: ATLAS - Technology Media & Society  
barbara.macferrin@colorado.edu

## MTS Interviewees

### Josh Tewksbury



- Director, Future Earth - Colorado Global Hub
- Research Professor at CU Boulder, ENVS Program
- [josh.tewksbury@futureearth.org](mailto:josh.tewksbury@futureearth.org)
- [Joshua.Tewksbury@colorado.edu](mailto:Joshua.Tewksbury@colorado.edu)

- Ecologist, conservation biologist, and planetary health scientist with experience both in academia and in civil society
- Work focused on major global change issues, including the impacts of climate change on biodiversity, the potential of landscape connectivity to mitigate the impacts of climate change, and the impacts of species loss on ecosystem function
- Served as the founding director of the Luc Hoffmann Institute in Switzerland. Research projects included:
  - Work on the Food-Energy-Water nexus in South-East Asia
  - Development corridors in East Africa
  - Global mapping of threats to biodiversity
  - Development of regionally-appropriate low-carbon sustainability targets for urban areas

## MTS Interviewees

### Kristy Tiampo



- Director of CIRES Earth Science & Observation Center (ESOC)
- Professor Geological Sciences
- [kristy.tiampo@colorado.edu](mailto:kristy.tiampo@colorado.edu)

- Current Research: Computational laboratory for fault system modeling, analysis, and data assimilation to perform near real-time data assimilation and inversion analysis in order to better understand natural hazards in general and the earthquake fault system
- Use of remote sensing data such as GPS, differential interferometric synthetic aperture radar (DInSAR), seismicity and gravity to better understand earthquake physics and surface expression in seismicity and crustal deformation

## MTS Interviewees

### Amanda Carrico



- Assistant Professor ENVS Program
- [amanda.carrico@colorado.edu](mailto:amanda.carrico@colorado.edu)

- Background: Behavioral dimensions of climate change mitigation and adaptation; technology adoption and use; environmental psychology; common pool resource management; risk perceptions
- Current Research:
  - ADAPT-SL project, which uses longitudinal surveys to examine adaptations in agricultural practices among smallholding farmers in Sri Lanka in response to water scarcity
  - Bangladesh Environment and Migration Survey (BEMS), which seeks to understand the role of internal and international migration as a response to environmental stress in southwest Bangladesh

## MTS Interviewees

### Ryan Vachon



- Climate Scientist and Innovative Science Communicator
- Director, Earth Initiatives
- INSTAAR Affiliate, Stable Isotope Lab
- [ryan.vachon@colorado.edu](mailto:ryan.vachon@colorado.edu)

- Climate scientist and videographer focusing on science communication through film, public speaking, and multimedia presentations
- Trained scientist in measuring weather and climate with chemistry found in rain and snow
- Currently a research associate at CU's Consortium for Capacity Building
- Runs a podcast: The Nerd Heard which can be downloaded from iTunes
- Watch these videos: <https://vimeo.com/125505405> and <https://vimeo.com/121704389>
- Extreme athlete/climber: took first place [2016 Ouray Mixed Climbing Competition](#)
- Hosted science education video series on PBS

## MTS Interviewees

### Ursula Rick



- Research Scientist
- Program Manager, Western Water Assessment
- [ursula.rick@colorado.edu](mailto:ursula.rick@colorado.edu)

- Background: Congressional Science Fellow in the office of former Senator Mark Udall, and served as an energy and natural resource policy aide on Capitol Hill
- As a postdoc, she researched the seasonal timing of melt on the Greenland Ice Sheet and focused on how the media presented the science and uncertainty of sea level rise
- Completed her PhD on the hydrology of meltwater in large ice sheets at INSTAAR
- Currently she is responsible for WWA's overall program administration and management, coordinating the research agenda and other outreach activities
- Conducts interdisciplinary, stakeholder-driven research for WWA on climate vulnerability and the adaptive capacity of municipalities, states and the West

## MTS Interviewees

### Michelle Gabrielloff-Parish



- Director of Climate Justice, Environmental Center
- [michelle.gabrielloff@colorado.edu](mailto:michelle.gabrielloff@colorado.edu)

- Background: Former US State Department BoldFood fellow and former Center of Progressive Leadership fellow
- Works with students and partners to reduce the university's climate footprint through innovative projects, programs and events
- Multi-ethnic writer and poet
- Student and teacher of ecological and permaculture design
- Mom of three

## MTS Interviewees

### Bruce Goldstein



- Associate Professor, ENVD and ENVS
- [brugo@colorado.edu](mailto:brugo@colorado.edu)

- His work focuses on how planners, activists, public agency managers and other stakeholders collaborate to address daunting social-ecological challenges, such as restoring fire regimes in densely populated areas and climate change
- Background: Six-year study of the [U.S. Fire Learning Network](#), a collaborative approach to restoring disrupted fire regimes across multi-jurisdictional landscapes
- The edited book "[Collaborative Resilience: Moving Through Crisis to Opportunity](#)"
- Current projects:
  - A community and network-scale resilience assessment in partnership with the [Fire Adapted Communities Learning Network](#)
  - A study of critical infrastructures within the [Rockefeller Foundation's 100 Resilient Cities Initiative](#)
  - Design and implementation of a nation-wide STEM learning network
  - A study of the [Locally-Managed Marine Areas Network](#) in the South Pacific

## MTS Interviewees

### Kristen Averyt



- Associate Director for Science at CIRES
- [kristen.averyt@colorado.edu](mailto:kristen.averyt@colorado.edu)

- Background: Lead author on the US National Climate Assessment, Spring 2014
- Worked in the US Senate for Senator Ron Wyden
- Her scientific contribution along with other scientists of the IPCC received the 2007 Nobel Peace Prize jointly with Al Gore
- Current research focuses on climate variability and change and the interplay between climate mitigation and adaptation, including the energy-water nexus

## MTS Interviewees

### Phaedra Pezzullo



- Associate Professor, Communication
- [phaedra.pezzullo@colorado.edu](mailto:phaedra.pezzullo@colorado.edu)
- Web: <https://phaedracpezzullo.com/>

- Academic passion: Environmental communication, environmental justice, tourist studies, public advocacy, rhetoric, performance and cultural studies
- Her research focuses on the mobilization of resistance to toxic pollution, the communication of resilience in what she calls "the late age of fossil fuels," and the advocacy of environmental and social justice
- She has published widely and currently serves on the editorial boards of the journals *Cultural Studies*, *Communication and Critical/Cultural Studies*, *Environmental Communication* and the *Quarterly Journal of Speech*.
- Director of [BoulderTalks](#), which is a center of the Department of Communication in the College of Media, Communication and Information

## MTS Interviewees

### Heidi McCann



- Professional Research Assistant, NSIDC
- Center for Native American and Indigenous Studies
- [heidi.mccann@colorado.edu](mailto:heidi.mccann@colorado.edu)

- Currently works at the National Snow and Ice Data Center (NSIDC) on the Exchange for [Local Observations and Knowledge of the Arctic](#) (ELOKA) project.
- Partners and collaborates with Indigenous communities to share Indigenous Knowledge of the Arctic
- Several publications regarding local and Traditional Knowledge Stewardship, archiving TK of the Arctic, sharing and preserving IK using ICT

## MTS Example Interview Questions

**You may use this as a guide, but please come up with your own that are relevant to your interviewee and their background. It is recommended to ask at least 10 questions and make sure your interviewee's answers are led with the question. For example: "Climate change is important to me because...."**

1. What is your name and what is your professional position?
2. Why did you choose your field of research?
3. Introduce us to your family and what activities do you all enjoy?
4. Describe your "Eureka" moment when the reality and gravity of climate change hit you.
5. Why is climate change important to you?
6. Aside from the facts and figures, what is tangibly real (or will become real) about the impact of climate change on your daily life?
7. What would you tell the average person in response to the question: "Why should climate change matter to me?"
8. What would you tell the average person in response to the question: "What can I *do* about climate change if it should matter to me?"
9. What impact of climate change are you the most concerned about?
10. What individual or societal reaction to climate change has made you the most hopeful?