

Christopher W. Callahan

Dartmouth College
Hanover, NH

(847) 431-0623
Christopher.W.Callahan.GR@dartmouth.edu

EDUCATION

Dartmouth College, Hanover, NH 2023 (Expected)

- Ph.D., Ecology, Evolution, Ecosystems, and Society
- Advisor: Dr. Justin Mankin

Northwestern University, Evanston, IL 2018

- B.A., with honors, Environmental Science

PUBLICATIONS

Callahan C.W., Chen C., Bloch-Johnson J., Rugenstein M., Stein M.L., & Moyer E.J. (2018) Transient and equilibrium ENSO response to anthropogenic forcing in the LongRunMIP. *In preparation*.

Callahan C.W., Schnell, J.L., Diffenbaugh N.S., & Horton D.E. (2018) Multi-index attribution of Beijing's 2013 "Airpocalypse." *In preparation*.

PRESENTATIONS

Callahan C.W., Diffenbaugh N.S., & Horton D.E. (2018) Multi-index attribution of Beijing's 2013 "Airpocalypse," Northwestern Computational Research Day 2018 (Poster)

Callahan C.W., Diffenbaugh N.S., & Horton D.E. (2017) Multi-index attribution of Beijing's 2013 "Airpocalypse," AGU Fall Meeting 2017 (Poster)

Horton D.E., Schnell J., Callahan C.W., & Suo Y. (2017) Meteorological drivers of extreme air pollution events, AGU Fall Meeting 2017 (Oral)

AWARDS, FELLOWSHIPS, AND SCHOLARSHIPS

| | |
|---|-----------------------------|
| Department of Education GAANN Fellowship | September 2018 – June 2019 |
| Best Senior Thesis, Program in Environmental Sciences | June 2018 |
| Northwestern Conference Travel Grant | December 2017 |
| AGU Fall Meeting Student Travel Grant | September 2017 |
| Hardy Scholarship | May 2016 – June 2018 |
| Milton S. Florsheim Award for Excellence in Debate | June 2015, 2016, 2017, 2018 |
| National Merit Scholarship | August 2014 – June 2018 |

RESEARCH AND WORK EXPERIENCE

Intern, Center for Robust Decisionmaking on Climate and Energy Policy June 2017 – August 2017

- Supervised by Dr. Elisabeth Moyer and Dr. Chen Chen
- Researching changes in El Niño patterns in millennial-scale climate model runs
- Presented at an NSF Site Visit in November 2017 to highlight the Center's Research

Research Assistant, Climate Change Research Group January 2016 – Present

- Researching the attribution of natural and human influences on air quality patterns
- Developing methods to apply pre-existing attribution metrics to novel meteorological indices
- Participating in weekly group meetings, discussing published papers and other climate research

Instructor, Northwestern Debate Institute June 2015, 2016, 2018 – August 2015, 2016, 2018

- Instructed groups of 15-20 high school students in policy debate over two summers
- Led smaller groups for guided research and argument construction

Intern, City of Evanston Sustainability Office January 2015 – March 2015

- Helped run the day-to-day operations of the City of Evanston's Sustainability Office
- Independently designed the Sustainability Office's annual report to the City of Evanston

OTHER SKILLS

Computing experience: MATLAB, NCL, R, Python, ArcGIS, Microsoft Office

PROFESSIONAL ORGANIZATIONS

American Geophysical Union

2017 – Present