

Christopher W. Callahan

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Program in Ecology, Evolution, Ecosystems, and Society
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EDUCATION

Dartmouth College	Hanover, NH, USA
PhD, Ecology, Evolution, Ecosystems, and Society (in progress)	08/2018 - 06/2023
Advisor: Justin Mankin	
Northwestern University	Evanston, IL, USA
BA, Environmental Science	08/2014 - 06/2018

PEER-REVIEWED PUBLICATIONS

1. **Callahan, C.W.**, Schnell, J.L., & Horton, D.E. (2019) "Multi-index attribution of extreme winter air quality in Beijing, China." *Journal of Geophysical Research: Atmospheres*, 124, doi:10.1029/2018JD029738

MANUSCRIPTS IN PROGRESS

1. **Callahan, C.W.**, Chen, C., Bloch-Johnson, J., Rugenstein, M., Yang, S., Stein, M.L., & Moyer, E.J. (In preparation) "Robust long-term decrease in Pacific variability under elevated CO₂."

PRESENTATIONS

5. **Callahan, C.W.** & Mankin, J.S. (2019, *upcoming*) "The influence of internal climate variability on synoptically-driven poor air quality in Beijing." US CLIVAR Large Ensembles Workshop (Oral)
4. **Callahan, C.W.** & Mankin, J.S. (2018) "Linkages between synoptic circulation and poor air quality in Beijing." AGU Fall Meeting (Poster)
3. **Callahan, C.W.**, Diffenbaugh, N.S., & Horton, D.E. (2018) "Multi-index attribution of Beijing's 2013 Airpocalypse." Northwestern Computational Research Day (Poster)
2. **Callahan, C.W.**, Diffenbaugh, N.S., & Horton, D.E. (2017) "Multi-index attribution of Beijing's 2013 Airpocalypse." AGU Fall Meeting (Poster)
1. Horton, D.E., Schnell, J.L., Suo, Y., & **Callahan, C.W.** (2017) "Meteorological drivers of extreme air pollution events." AGU Fall Meeting (Oral)

AWARDS, GRANTS & FELLOWSHIPS

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

TEACHING

Teaching Assistant, ENVS 15: Environmental Issues of the Earth's Cold Regions	Spring 2019
Teaching Assistant, BIOL 16: Ecology	Fall 2018

PROFESSIONAL DEVELOPMENT

Community Terrestrial Systems Model tutorial, hosted by the National Center for Atmospheric Research, February 2019.

“Lessons in Professional Conduct at Field Sites,” workshop led by Katie Hinde and Robin Nelson, hosted by Dartmouth College, October 2018.

OTHER SKILLS

Computing skills: Python, R, NCL, MATLAB, LaTeX, Unix/Linux

PROFESSIONAL ORGANIZATIONS

American Geophysical Union	2017 - Present
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