

# Christopher W. Callahan

Dartmouth College  
Program in Ecology, Evolution, Environment, and Society  
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## EDUCATION

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<b>Dartmouth College</b>	Hanover, NH, USA
PhD, Ecology, Evolution, Environment, and Society (in progress)	2018 – 2023
Advisor: Justin Mankin	
<b>Northwestern University</b>	Evanston, IL, USA
BA, Environmental Science, with honors	2014 – 2018

## PUBLICATIONS

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2. **Callahan, C.W.** & Mankin, J.S. (2020) “The influence of internal climate variability on projections of synoptically driven Beijing haze.” *Geophysical Research Letters*, 10.1029/2020GL088548
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*, 10.1029/2018JD029738

## MANUSCRIPTS IN PROGRESS

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2. **Callahan, C.W.**, Chen, C., Rugenstein, M., Bloch-Johnson, J., Yang, S., & Moyer, E.J. (Revising) “Robust decrease in ENSO amplitude under long-term warming.” *Nature Climate Change*
1. Erbaugh, J.T., **Callahan, C.W.**, Finger Higgins, R., DeSiervo, M., Bolger, D.T., Cox, M., Howarth, R.B. (In review) “Sociotechnical equilibrium and transitions.” *Current Opinion in Environmental Sustainability*

## PRESENTATIONS

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*First-author presentations only*

6. **Callahan, C.W.** & Mankin, J.S. (2020) “On the use of large ensembles for studying climate and air quality.” AMS Annual Meeting (Oral)
5. **Callahan, C.W.** & Mankin, J.S. (2019) “National attribution of climate damages under deep uncertainty.” AGU Fall Meeting (Poster)
4. **Callahan, C.W.** & Mankin, J.S. (2019) “The influence of internal variability on synoptically driven Beijing haze.” US CLIVAR Large Ensembles Workshop (Oral)
3. **Callahan, C.W.** & Mankin, J.S. (2018) “Linkages between synoptic circulation and poor air quality in Beijing.” AGU Fall Meeting (Poster)
2. **Callahan, C.W.**, Dittenbaugh, N.S., & Horton, D.E. (2018) “Multi-index attribution of Beijing’s 2013 Airpocalypse.” Northwestern Computational Research Day (Poster)
1. **Callahan, C.W.**, Dittenbaugh, N.S., & Horton, D.E. (2017) “Multi-index attribution of Beijing’s 2013 Airpocalypse.” AGU Fall Meeting (Poster)

## AWARDS, GRANTS, & FELLOWSHIPS

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NSF Graduate Research Fellowship	2020 – 2023
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

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Teaching Assistant, BIOL 16: Ecology	Fall 2018, Spring 2020
Professor: Caitlin Hicks Pries	

Teaching Assistant, ENVS 12: Energy and the Environment	Winter 2020
Professor: Elizabeth Wilson	

Teaching Assistant, ENVS 15: Environmental Issues of the Earth's Cold Regions	Spring 2019
Professor: Ross Virginia	

## PROFESSIONAL DEVELOPMENT

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Community Terrestrial Systems Model tutorial, hosted by the National Center for Atmospheric Research.	February 2019
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"Lessons in Professional Conduct at Field Sites," workshop led by Katie Hinde and Robin Nelson, hosted by Dartmouth College.	October 2018
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## SERVICE

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Student representative to EEES Curriculum Committee	2019 – 2010
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## OTHER SKILLS

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Computing skills: Python/Jupyter, R, NCL, MATLAB, LaTeX, Unix/bash

## PROFESSIONAL ORGANIZATIONS

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American Geophysical Union	2017 – Present
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