

## Abigail L. S. Swann

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CONTACT INFORMATION	Atmospheric Sciences Department and Biology Department University of Washington Box 351640 Seattle, WA 98195-1640 USA	<i>E-mail:</i> aswann@u.washington.edu www.atmos.washington.edu/~aswann ORCID: 0000-0001-8513-1074
RESEARCH INTERESTS	Ecoclimate. Biosphere-climate feedbacks. Climate and ecosystem modeling. Carbon cycle.	
EDUCATION	<i>Ph.D.</i> , Earth and Planetary Science, University of California, Berkeley Thesis title: <i>Ecoclimate: Variations, Interactions, and Teleconnections</i> Thesis Advisor: Inez Y. Fung	2010
	<i>M.A.</i> , Earth and Environmental Sciences, Columbia University	2005
	<i>B.A.</i> , Earth and Planetary Science, University of California, Berkeley	2003
PROFESSIONAL EXPERIENCE	<b>University of Washington</b> , Seattle, WA USA  <i>Associate Professor</i> in the Department of Atmospheric Sciences and the Department of Biology 2018 – ongoing  <i>Assistant Professor</i> in the Department of Atmospheric Sciences and the Department of Biology 2012 – 2018  <b>Harvard University</b> , Cambridge, MA USA  <i>Giorgio Ruffolo Post-doctoral Fellow</i> in Sustainability Science at the Kennedy School of Government, <i>Visiting Scientist</i> in the Department of Organismic and Evolutionary Biology 2010 – 2012	
HONORS AND AWARDS	Early Career Fellow, Ecological Society of America	2019
	Fellow, Kavli Frontiers of Science run by the National Academy	2018
	NSF CAREER Faculty Early Career Development Award	2016-2020
	DISCCRS VI Scholar	2011
	Giorgio Ruffolo Post-doctoral Fellow in Sustainability Science at the Harvard Kennedy School	2010-2012
	NASA Earth Systems Science Fellow	2007
	IGERT Fellow in Applied Mathematics and Earth Sciences at Columbia University	2003-2005
	Graduated with Honors, University of California	2003
	All-America Sportsman of the year, Inter-Collegiate Sailing Association	2003

## GRANTS

- NSF Dynamics of Coupled Natural and Human Systems CNH-1824796: *CNH-L: Revealing the Hidden Ecoclimate Teleconnections Between Forest and Agriculture in the U.S. Enables Novel Governance Strategies for a Telecoupled World.*  
**Co-PI A.L.S Swann**, (Project PI D. Breshears, Co-PI J. Soto, Co-PI L. Lopez, Co-PI E. Baldwin).  
 \$266,469 (to UW) 2018-2023
- NSF Climate and Large Scale Dynamics & Ecosystems AGS-1553715: *CAREER: Ecosystem-driven accelerations and oscillations in the coupled Earth system.*  
**PI A.L.S Swann**  
 \$654,040 2016 - 2021
- NSF EF-1550641: *COLLABORATIVE RESEARCH: EAGER-NEON: Prototyping Assessment of Ecoclimate Teleconnections Affecting NEON Domains.*  
**UW PI A.L.S Swann**, (Project PI D. Breshears, Co-PIs S. Saleska, D. Moore, PI S. Stark).  
 \$113,719 (to UW) 2015 - 2017
- NSF Macrosystems EF-1340649: *Collaborative Research: Ecoclimate teleconnections between Amazonia and temperate North America: cross-region feedbacks among tree mortality, land use change, and the atmosphere.*  
**UW PI A.L.S Swann**, (Project PI D. Breshears, Co-PI S. Saleska, PI S. Stark).  
 \$227,718 (to UW) 2014 - 2017
- NSF Climate and Large Scale Dynamics & Ecosystems AGS-1321745: *Ecoclimate Teleconnections: effects of a shifting ITCZ.*  
**PI A.L.S Swann**  
 \$372,287 2013 - 2016

PEER REVIEWED  
PUBLICATIONS

## 2018

- Kooperman, G. J., Fowler, M.G., Hoffman, F. M., Koven, C. D. , Lindsay, K., Pritchard, M.S., **Swann, A.L.S.**, and Randerson, J. T., 2018. Plant-physiological responses to rising CO<sub>2</sub> modify daily runoff intensity with implications for global-scale flood risk assessment. *Geophysical Research Letters* doi:10.1029/2018GL079901.
- Kovenock, M.\***, **Swann, A.L.S.**, 2018. Leaf trait acclimation amplifies simulated climate warming in response to elevated carbon dioxide. *Global Biogeochemical Cycles*. doi:10.1029/2018GB005883
- Quetin, G.R.\***, **Swann, A.L.S.**, 2018. Ecological-Climate Interactions in CMIP5 Carbon Cycle Models. *Journal of Climate*, 30(20):8607-8625. doi: 10.1175/JCLI-D-17-0580.1
- Kooperman, G.J., Chen, Y., Hoffman, F.M., Koven, C.D., Lindsay, K., Pritchard, M.S., **Swann, A.L.S.**, and Randerson, J.T. 2018. Forest response to rising CO<sub>2</sub> drives zonally asymmetric rainfall change over tropical continents. *Nature Climate Change* 8(5):434-440. doi:10.1038/s41558-018-0144-7
- Swann, A.L.S.**, **Lagu, M.M.\***, **Garcia, E.S.**, Breshears, D.D., Field, J.P., Moore, D.J.P., Saleska, S.R., Stark, S.C., Villegas, J.C., Law, D.J., and Minor, D.M. 2018. Continental-scale Consequences of Tree die-offs in North America: Identifying Where Forest Loss Matters Most. *Environmental Research Letters*, 13(5):055014. doi: 10.1088/1748-9326/aaba0f
- Swann, A.L.S.**, 2018. Plants and Drought in a Changing Climate. *Current Climate Change Reports*. doi:10.1007/s40641-018-0097-y

\* Graduate Student Author, **Bold type**: member of Swann research group

Lemordant, L.\* , Cook, B., Scheff, J., **Swann, A.L.S.**, Gentine, P. , 2018. Vegetation physiology equally controls continental dryness response to climate change. (*Proceedings of the National Academy of Sciences*, (published ahead of print April 2, 2018). doi: :10.1073/pnas.1720712115.

## 2017

**Swann, A.L.S.** and Koven, C.D., 2017. A direct estimate of the seasonal cycle of evapotranspiration over the Amazon Basin. *Journal of Hydrometeorology*, 18(8):2173-2185. doi:10.1175/JHM-D-17-0004.1.

**Quetin, G.R.\***, **Swann, A.L.S.**, 2017. Empirically derived sensitivity of vegetation to climate across the globe. *Journal of Climate*, 30(15):5835-5849. doi: 10.1175/JCLI-D-16-0829.1.

Stavros, N.E., Schimel, D., Pavlick, R., Serbin, S., **Swann, A.L.S.**, Duncanson, L, Fisher, J.B., Fassnacht, F., Ustin, S., Dubayah, R., Schweiger, A., Wennberg, P., 2017. International Space Station observations offer an opportunity to understand plant function. *Nature Ecology and Evolution*. 1:0194, 06. doi: :10.1038/s41559-017-0194.

Villegas, J. C., Law, D. J., Stark, S. C., Minor, D. M., Breshears, D. D., Saleska, S. R. **Swann, A. L. S.**, **Garcia, E. S.**, Bella, E. M., Morton, J. M., Cobb, N. S., Barron-Gafford, G. A., Litvak, M. E., and Kolb, T. E., 2017. Prototype campaign assessment of disturbance-induced tree loss effects on surface properties for atmospheric modeling. *Ecosphere*, 8(3):2150. doi:10.1002/ecs2.1698.

## 2016

**Garcia, E.S.**, **Swann, A.L.S.**, Villegas, J.C., Breshears, D.D., Law, D.J., Saleska, S.R., Stark, S.C., 2016. Ecoclimate teleconnections from forest loss in disparate regions: Identifying differential responses, mechanisms, and synergies in affected areas. *PLOS ONE*. 11(11):1-12. doi:10.1371/journal.pone.0165042.

**Swann, A.L.S.** , Hoffman, F., Koven, C.D., Randerson, J.R., 2016. Plant responses to increasing CO<sub>2</sub> reduce estimates of climate impacts on drought severity. *Proceedings of the National Academy of Science*, doi:10.1073/pnas.1604581113.

**Laguë, M.M.\***, **Swann, A.L.S.**, 2016. Progressive midlatitude afforestation: Impacts on clouds, global energy transport, and precipitation. *Journal of Climate*, 29(15):55615573, doi:10.1175/JCLI-D-15-0748.1.

## 2015

Stark, S.C., Breshears, D.D., **Garcia, E.**, Law D.J., Minor, D., Saleska, S.R., **Swann, A.L.S.**, Villegas, J.C., Arago, L.E.O.C., Bella, E.M., Borma, L.S., Cobb, N.S., Litvak, M.E., Magnuson, W., Morton, J.M., Redmond, M.D., 2015. Toward accounting for ecoclimate teleconnections: intra- and inter-continental consequences of altered energy balance after vegetation change. *Landscape Ecology*, 31 (1), 181-194, doi: 10.1007/s10980-015-0282-5.

**Swann, A.L.S.**, Longo, M.L.\* , Knox, R.G.\* , Lee, E., Moorcroft, P.R., 2015. Future deforestation in the Amazon and consequences for South American climate. *Agricultural and Forest Meteorology*, 214215:1224, 12, doi:10.1016/j.agrformet.2015.07.006.

Knox, R.G.\* , Longo, M.L.\* , **Swann, A.L.S.**, Zhang, K. and Levine, N.M., Moorcroft, P.R., Bras, R.L., 2015. Hydrometeorological Effects of Historical Land-Conversion in an Ecosystem-Atmosphere Model of Northern South America, *Hydrology and Earth System Sciences* 19(1):241273, doi:10.5194/hess-19-241-2015.

\* Graduate Student Author, **Bold type**: member of Swann research group

PEER REVIEWED  
PUBLICATIONS  
(CONT.)

**2014**

**Swann, A.L.S**, Fung, I.Y., Liu, Y.\* , Chiang, J.C.H., 2014. Remote vegetation feedbacks and the mid-Holocene Green Sahara, *Journal of Climate* 27(13) 48574870, doi: 10.1175/JCLI-D-13-00690.1

**2012**

**Swann, A. L.**, Fung, I. Y., Chiang, J. C. H., 2012. Mid-latitude afforestation shifts general circulation and tropical precipitation, *Proceedings of the National Academy of Science*, doi:10.1073/pnas.1116706108.

**2010**

Lee, J. -E., and **Swann, A. L.**, 2010. "Evaluation of using the "amount effect" to interpret speleothem data: Asian monsoon study, *IOP Conference Series: Earth and Environmental Science*, 9, 012023, doi:10.1088/1755-1315/9/9/012023.

**Swann, A. L.**, Fung, I. Y., Levis, S., Bonan, G., Doney, S. 2010. Arctic vegetation changes induce high-latitude warming through the greenhouse effect, *Proceedings of the National Academy of Science*, doi:10.1073/pnas.0913846107.

**2009**

Lee, J., Pierrehumbert, R., **Swann, A.**, Lintner, B. R., 2009. Sensitivity of stable water isotopic values to convective parameterization schemes, *Geophysical Research Letters*, 36, L23801, doi:10.1029/2009GL040880.

**2006**

**Swann, A. L.**, Sobel, A. H., Yuter, S. E., Kiladis, G. N., 2006. Observed radar reflectivity in convectively coupled Kelvin and mixed Rossby-gravity waves, *Geophysical Research Letters*, 33, L10804, doi:10.1029/2006GL025979.

PUBLICATIONS IN  
REVIEW

**Laguë, M.M.\***, Bonan, G.B., **Swann, A.L.S.**, (*in revision*). Quantifying the impact of individual land surface properties on terrestrial climate and the role of atmospheric feedbacks. (*submitted to Journal of Climate*)

**Hsiao, J.\***, A.L.S. Swann, Kim, S.-H., (*in revision*). Maize yield under a changing climate: the hidden role of vapor pressure deficit. (*in review at Environmental Research Letters*)

\* Graduate Student Author, **Bold type**: member of Swann research group

OTHER  
PUBLICATIONS

Fung, I. and **Swann, A.**, 2011. Climatic consequences of afforestation. *In AIP Conf. Proc*, volume 1401, pages 211-219.

STUDENTS AND  
POSTDOCS  
SUPERVISED

**Graduate Students: Chair of Supervisory Committee**

*Gregory Quetin*, Atmospheric Sciences PhD 2017  
Dissertation topic: Sensitivity of vegetation to climate on interannual timescales

Awards:

- Invited talk at the American Geophysical Union Fall Meeting, New Orleans, LA, 2017
- Program on Climate Change Fellowship, 2012-2013

*Marlies Kovenock*, Biology expected PhD 2019

Dissertation topic: Climate response to plant trait acclimation

Awards:

- Wingfield/Ramenofksy Award for Environmental Biology, Biology Department, 2016
- Sargent Award, Biology Department, 2016
- Program on Climate Change Fellowship, 2014-2015

*Marysa Laguë*, Atmospheric Sciences expected PhD 2019

Dissertation topic: Atmospheric sensitivity to land surface properties

Awards:

- Selected for the James S. McDonnell Foundation Postdoctoral Fellow, 2019-2021
- Invited talk at the American Geophysical Union Fall Meeting, Washington, DC, 2018
- Selected as one of the Husky 100, 2017
- NSERC (Canadian) Postgraduate Scholarship-Doctoral Program, 2016-2019
- NSERC (Canadian) Graduate Fellowship, 2013-2014

*Jennifer Hsiao*, Biology expected PhD 2020

Dissertation topic: The role of humidity in primary production under a changing climate

Awards:

- Wingfield/Ramenofksy Award for Environmental Biology, Biology Department, 2018
- Sargent Award, Biology Department, 2018

*Greta Shum*, Atmospheric Sciences expected PhD 2023

*Claire Zarakas*, Atmospheric Sciences expected PhD 2023

Awards:

- NSF Graduate Research Fellow, 2018-2023
- Program on Climate Change Fellowship, 2018-2019

**Postdocs Supervised**

*Elizabeth Garcia* 2014-2017

Topic: Climate impacts of forest die-off.

Current Position: Watershed Manager at Seattle Public Utilities.

Invited Presentations:

- American Geophysical Union Fall Meeting, San Francisco, CA, 2015
- Ecological Society of America Annual Meeting, Portland, OR, 2017

SERVICE: DEPARTMENTAL	<i>Chair</i> Atmospheric Sciences Department Diversity Committee	2017-ongoing
	<i>Member</i> Biology Department Graduate and Postdoc Program Committee	2017-ongoing
	<i>Co-chair</i> Biology Department Seminar Committee	2015-2017
	<i>Member</i> Atmospheric Sciences Committee on Graduate Studies	2015
	<i>Presentation</i> Biology Advancement Dinner	2015
	<i>Member</i> Biology Department Seminar Committee	2014-2015
SERVICE: COLLEGE & UNIVERSITY	<i>Member</i> Advisory Board for the Program on Climate Change	2017-ongoing
	<i>Member</i> Executive Council for the Population Health Initiative	2017-ongoing
	<i>Member</i> Search Committee for Program on Climate Change Director	2017
	<i>Member</i> Ad-Hoc committee on Family Friendly Policies, College of the Environment	2015-ongoing
	<i>Member</i> Science Communication Advisory Group, College of the Environment	2015-ongoing
	<i>Member</i> College of the Environment <i>Future of Ice</i> Search Committee for 2 interdisciplinary faculty positions	2014
	<i>Participant</i> UW Faculty Field Tour, extending UW's reach beyond Seattle	2013
	<i>Reviewer</i> Royalty Research Fund Proposals, UW	2012, 2013, 2018
SERVICE: PROFESSIONAL	<b>Scientific Community</b>	
	<i>Co-chair</i> Biogeochemistry Working Group, Community Earth System Model, National Center for Atmospheric Research	2017-present
	<i>Advisory Board Member</i> Community Terrestrial System Model, National Center for Atmospheric Research	2018-present
	<b>Societies</b>	
	American Geophysical Union	2003-present
	American Meteorological Society	2005, 2016-present
	Ecological Society of America	2014-present
	Earth Science Women's Network	2003-present
	<b>Conference Organization</b>	

*Organizing Committee*, AGU Chapman Conference on Understanding Carbon Climate Feedbacks 2019

*Steering Committee*, Joint NCAR/NEON workshop 2019

*Chair*, Berkeley Atmospheric Science Symposium 20th Anniversary Meeting 2019

*Organizing Committee*, Inez Fung Symposium, American Meteorological Society annual meeting 2019

*Convener*, Organized Oral Session at Ecological Society of America annual meeting 2017

*Organizing Chair*, Program on Climate Change Summer Institute 2015

I organized a three day symposium on terrestrial ecosystems, land surface processes, and climate which brought in five speakers from across the country together with speakers and panelists from four departments at UW .

*Convener*, Session at American Geophysical Union Fall meeting 2013, 2014, 2015, 2016

*Trainer & Organizer*, ED+ Training Workshop 2013

### **Grant Review**

*Ad-hoc review* National Science Foundation 2011, 2012, 2013, 2014, 2015, 2017, 2018, 2019

*Panelist*, National Science Foundation 2015

### **Journal Review**

Global Biogeochemical Cycles 2019

Nature 2016, 2018

Nature Ecology and Evolution 2017, 2018

Geophysical Research Letters 2013, 2015, 2016, 2018

Nature Communications 2017

Proceedings of the National Academy of Science 2011, 2015, 2016, 2017

Science 2017

Journal of Climate 2012, 2017

Agriculture and Forest Meteorology 2017

Nature Scientific Reports 2016

Nature Climate Change 2012, 2014, 2016

Journal of Advances in Modeling Earth Systems 2016

Journal of Geophysical Research - Biogeosciences 2011, 2012, 2013, 2015, 2016

Environmental Research Letters 2015

Geoscientific Model Development 2015

Hydrology 2015

Climate Dynamics 2011, 2015

Global Change Biology 2013, 2014

Climate of the Past 2014

Annales Geophysicae 2014

INVITED  
PRESENTATIONS

**2019**

*Declined Invited Speaking Invitation* Keynote talk at the “Species on the Move” conference, Kruger National Park in South Africa  
*Invited Talk* Climate and Global Dynamics Division Seminar, National Center for Atmospheric Research, Boulder, CO  
*Invited Talk* Boise State University, Boise, ID

**2018**

*Invited Talks (2)* American Geophysical Union Fall Meeting, Washington, DC  
*Invited Talk* NOAA Drought Task Force, webinar  
*Invited Talk* Program on Climate Change Summer Institute, Friday Harbor, WA  
*Invited Talk* School of the Environment Seminar, Washington State University, Vancouver, WA  
*Invited Talk* School of Natural Resources and the Environment Seminar, University of Arizona, Tuscon, AZ  
*Invited Talk* Arctic System Change Workshop, National Center for Atmospheric Research, Boulder, CO  
*Invited Talk* The Future of Earth System Modeling: Biosphere and Land Surfaces, Caltech, Pasadena, CA  
*Invited Talk* Lamont Doherty Earth Observatory, Columbia University, New York, NY  
*Invited Talk* Pacific Northwest National Laboratory, Richland, WA

**2017**

*Invited Talk* Department of Earth and Environmental Sciences, Stanford University, Palo Alto, CA  
*Invited Talk* Department of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM  
*Invited Talk* Santa Fe Climate Conference, Santa Fe, NM

**2016**

*Declined Invited Speaking Invitation* Keynote talk at the AGU Chapman Conference on “Emerging Issues in Tropical Ecohydrology”, Cuenca, Ecuador  
*Declined Invited Speaking Invitation* American Quaternary Association Biennial Meeting, Santa Fe, NM

**2015**

*Invited Talks (2)* American Geophysical Union Fall Meeting, San Francisco, CA  
*Invited Talk* Department of Earth and Planetary Science, Harvard University, Cambridge, MA  
*Invited Talk* Carnegie Institution for Science, Department of of Global Ecology, Stanford University, Palo Alto, CA  
*Invited Talk* Monsoons and ITCZ workshop, Columbia University, New York, NY  
*Invited Talk* Department of Atmospheric and Environmental Sciences, SUNY Albany, Albany, NY  
*Invited Talk* Ecological Society of America Annual Meeting, Baltimore, MD  
*Invited Talk* Macrosystems Biology Annual Meeting, National Science Foundation, Arlington, VA  
*Invited Talk* Evergreen State College, Olympia, WA  
*Invited Participant* Organization for Tropical Studies Emerging Frontiers in Tropical Science Working Group on Vegetation-precipitation coupling in the Tropics, La Selva, Costa Rica



INVITED  
PRESENTATIONS  
(CONTINUED)

**2014**

*Invited Talks (2)* American Geophysical Union Fall Meeting, San Francisco, CA  
*Invited Talk* Earth System Science Department Seminar, University of California, Irvine, CA  
*Invited Talk* Atmospheric Science Department Seminar, Colorado State University, Fort Collins, CO

**2013**

*Invited Talk* Western Roundtable Series at the Center for Sustainability and the Global Environment, University of Wisconsin, Madison WI  
*Invited Talk* Biology Department Seminar, University of Washington, Seattle, WA  
*Invited Talk* Department of Ecology and Evolutionary Biology Department Seminar, University of Arizona, Tucson, AZ

CONTRIBUTED  
PRESENTATIONS  
TO SCHOLARLY  
AUDIENCES

**2019**

*Talk* Community Land Model Working Group Meeting, Boulder, CO  
*Talk* American Meteorological Society Annual Meeting, Phoenix, AZ

**2018**

*Talk* Community Earth System Model Annual Workshop, Boulder, CO

**2017**

*Talk* American Geophysical Union Meeting, New Orleans, LA  
*Talk* Ecological Society of America Meeting, Portland, OR  
*Talk* Community Earth System Model Annual Workshop, Boulder, CO

**2014**

*Talk* Community Land Model Working Group Meeting, Boulder, CO

**2013**

*Talk* ED+ Working Group Meeting, Berkeley, CA  
*Talk* American Geophysical Union Fall Meeting, San Francisco, CA  
*Talk* Community Land Model Working Group Meeting, Boulder, CO

GUEST LECTURES  
IN COURSES

Exploring Atmospheric Science (*ATMS 220*) (**2018, 2017, 2015, 2014, 2013**)

**2017**

FLUXCOURSE (organized by University of Arizona, in Nederland, CO)  
Conservation Biology (*BIOL 476*)

**2015**

Carbon Seminar, School of Environmental and Forest Sciences  
Program on Climate Change Special Seminar Series  
FLUXCOURSE (organized by University of Arizona, in Nederland, CO)  
Climate Modeling (*ATMS/OCEAN/ESS 559*)  
Topics in Advanced Ecology (*BIOL/SEFS/FISH 567*)

**2013**

Bioclimatology (*AOS 520* at University of Wisconsin, Madison)  
Topics in Advanced Ecology (*BIOL/SEFS/FISH 567*)

OUTREACH &  
PRESENTATIONS  
TO THE PUBLIC

**Public Lectures**

Belletini Home, Bellevue, WA 2017

Rotary Club of South Lake Union, Seattle, WA 2017

**Outreach**

Organized sessions for the Girls in Science program for middle school girls at the Burke Museum	2015, 2016, 2017, 2018, 2019
“Ask a Climate Scientist” night, Climate Science on Tap	2018
“Ask a Climate Scientist” booth, Ballard Sustainability Festival	2017
Visit to Seattle Waldorf 8th grade class to talk about climate change	2017
Kindergarten goes to College, visit with Bryant Elementary Kindergarten class	2015, 2017
Panelist for Public Engagement Workshop for Graduate and Professional Students at UW	2016
SAMlink seminar for undecided undergraduates	2015
Paws on Science day at the Pacific Science Center	2014
Math Day at UW	2014
Think Evolution Summer Institute (for high school teachers)	2013
Communicating Climate Science Education Working Group, Lawrence Hall of Science, Berkeley, CA	2012

### Press Releases

University of Washington (*Swann et al. 2018, Garcia et al. 2016, Swann et al. 2016, Swann et al. 2014*)

National Science Foundation (*Garcia et al. 2016*)

### Selected Press Coverage of Research

Living On Earth, Public Radio International ([link](#)) (*Swann et al. 2018*)

Geographical Magazine ([link](#)) (*Kovenock and Swann 2018*)

Quanta Magazine/the Atlantic ([link](#)) (*multiple studies*)

Press of Atlantic City ([link](#)) (*Kovenock and Swann 2018*)

Inside Science ([link](#))(*Swann et al. 2018*)

Mongabay ([link](#))(*Kooperman et al. 2018*)

Scientific American 60-Second Science Podcast ([link](#)) (*Garcia et al. 2016*)

Vocativ ([link](#)) (*Garcia et al. 2016*)

Huffington Post ([link](#)) (*Garcia et al. 2016*)

The Oregonian ([link](#)) (*Garcia et al. 2016*)

Mongabay ([link](#)) (*Garcia et al. 2016*)

El Mundo (2nd largest newspaper in Spain) ([link](#)) (*Swann et al. 2016*)

KOMO Radio News (*Swann et al. 2016*)

### Selected Media Appearances

National Geographic ([link](#)) November 2018

EOS ([link](#)) October 2018

EOS ([link](#)) December 2017

EOS ([link](#)) October 2017

Nature News ([link](#)) August 2017

KUOW Public Radio ([link](#)) April 2017

Mongabay ([link](#)) November 2016

USA Today ([link](#)) October 2016

Climate Central ( <a href="#">link</a> )	August 2016
Inside Climate News ( <a href="#">link</a> )	June 2016
New York Times ( <a href="#">link</a> )	October 2015
Mongabay ( <a href="#">link</a> )	June 2015
Climate Central ( <a href="#">link</a> )	December 2014
Climate Central ( <a href="#">link</a> )	October 2014

CONFERENCES,  
SYMPOSIA, AND  
WORKSHOPS  
ATTENDED

American Meteorological Society Annual Meeting, January 6-10, 2019, Phoenix, AZ, USA.

American Geophysical Union Fall Meeting, December 10-14, 2018, Washington, DC USA.

Kavli Frontiers Of Science Symposium, October 18-21, 2018, Nanjing, China.

Community Land Model Working Group Meeting, February 5-7, 2018, Boulder, CO USA.

American Geophysical Union Fall Meeting, December 11-15, 2015, New Orleans, LA USA.

Community Earth System Model Workshop, June 19-22, 2017, Boulder, CO USA.

Santa Fe Climate Conference, February 2-7, 2017, Santa Fe, NM USA.

American Geophysical Union Fall Meeting, December 14-18, 2015, San Francisco, CA USA.

Keck Institute for Space Studies Workshop: Exploring New Multi-Instrument Approaches to Observing Terrestrial Ecosystems and the Carbon Cycle from Space, Oct. 5-9, 2015, Pasadena, CA USA.

Monsoons and the Intertropical Convergence Zone, Sept. 15-18, 2015, New York, NY USA.

Organization for Tropical Studies, Emerging Frontiers in Tropical Science Working Group on Vegetation-precipitation coupling in the Tropics, March 4-7, 2015, La Selva Biological Station, Costa Rica.

Communicating Climate Science Workshop, Feb 23-24, 2015, Berkeley, CA USA.

American Geophysical Union Fall Meeting, December 15-19, 2014, San Francisco, CA USA.

Megafauna and Ecosystem Function Meeting, March 18-20, 2014, Oxford, UK.

National Center for Atmospheric Research Land Model Working Group Meeting, Feb 24-26, 2014, Boulder, CO USA.

ED+ Working Group Meeting, December 16-18, 2013, Berkeley, CA USA.

American Geophysical Union Fall Meeting, December 9-13, 2013, San Francisco, CA USA.

Keck Institute for Space Studies Workshop: Airships: A New Horizon for Science, April 30-May 3, 2013, Pasadena, CA USA.

National Center for Atmospheric Research Land Model Working Group Meeting, Feb 28-March 2, 2013, Boulder, CO USA.

Communicating Climate Change Educational Working Group, December 7-8, 2012, Berkeley, CA USA.

American Geophysical Union Fall Meeting, December 4-6, 2012, San Francisco, CA USA.