

# Mary D. Lemcke-Stampone

## Curriculum Vitae

CLASS OF 1941 ASSOCIATE PROFESSOR & CHAIR OF GEOGRAPHY  
NEW HAMPSHIRE STATE CLIMATOLOGIST  
UNIVERSITY OF NEW HAMPSHIRE

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## ACADEMIC INTERESTS

Climatology with an emphasis on applied climate science: climate system monitoring, variability and change; climate change impacts, mitigation and adaptation; climate literacy.

## EDUCATION

- 2009**      **PH.D.**, CLIMATOLOGY  
Department of Geography, University of Delaware, Newark, Delaware
- 2002**      **M.S.**, GEOGRAPHY  
Department of Geography, University of Delaware, Newark, Delaware
- 1998**      **B.A.** (Cum Laude), HONORS IN GEOLOGICAL SCIENCES  
Department of Geological Sciences, Albion College, Albion, Michigan

## ACADEMIC APPOINTMENTS

- 2014-PRESENT      UNIVERSITY OF NEW HAMPSHIRE:  
**ASSOCIATE PROFESSOR & CHAIR** of Geography  
*Affiliate Associate Professor*, Earth Sciences  
*Faculty*, Environmental Sciences
- 2009-2014      **ASSISTANT PROFESSOR** of Geography
- 2008-2009      **INSTRUCTOR**, Geography
- 2008-PRESENT      **NEW HAMPSHIRE STATE CLIMATOLOGIST**
- 2007-2008      SHIPPENSBURG UNIVERSITY:  
**VISITING ASSISTANT PROFESSOR**, Geography and Earth Science
- 2000-2007      UNIVERSITY OF DELAWARE:  
**INSTRUCTOR**, Departments of Geography and Geological Sciences
- 2003-2006      **GRADUATE FELLOW**, Geography Department
- 2002-2003      **RESEARCH ASSISTANT**, Geography Department
- 1998-2002      **TEACHING ASSISTANT**, Geography Department

## AWARDS

- 2018-2020      **CLASS OF 1941 PROFESSORSHIP**

CV – Lemcke-Stampone, M.D.

**PUBLICATIONS** (\*Lemcke – maiden name)

MANUSCRIPTS IN PREPARATION:

**Stampone, M.D.** and C.P. Wake, *Past and Future Weather Disruption across New England*.  
(Book in preparation).

REFEREED MANUSCRIPTS:

Hodgkins, G., D. Hollinger, E. Lane, E. Lentz, T. Macdonald, R. Miller, K. Mills, P. Sheffield, W. Solecki, **M. Lemcke-Stampone**, and G. Wellenius (2018) Chapter 18: Northeast. In: *Impacts, Risks, and Adaption in the United States: The Fourth National Climate Assessment, Volume II* [L. Dupigny-Giroux and E Mecray (eds.)]. U.S. Global Change Research Program, Washington, DC, US, doi: 10.7930/NCA4.2018.CH18.

Hamilton, L.C., **M.D. Lemcke-Stampone**, and C. Grimm (2018) Cold winters warming? Perceptions of climate change in the North Country. *Weather, Climate and Society*. <https://doi.org/10.1175/WCAS-D-18-0020.1>

Amaral, T., C.P. Wake, J.E. Dibb, E.A. Burakowski, **M. D. Stampone** (2017) A Simple Model for Predicting Snow Albedo Decay Using Observations from the Community Collaborative Rain, Hail, and Snow-Albedo (CoCoRAHS-Albedo) Network. *Journal of Glaciology*. <https://doi.org/10.1017/jog.2017.54>

Hamilton, L.C., J. Hartter, **M.D. Lemcke-Stampone**, D.W. Moore, T.G. Safford (2015) Tracking public belief in anthropogenic climate change. *PLoS One*, 10(9): e0138208. doi:10.1371/journal.pone.0138208.

Bernstein E.R., C.A. Geiger, T.L. DeLiberty, **M.D. Lemcke-Stampone** (2015) Antarctic sea-ice thickness and volume estimates from ice charts between 1995 and 1998, *Annals of Glaciology*, **56**(69), 383-393, doi: 10.3189/2015AoG69A763.

Hamilton, L.C. and **M.D. Lemcke-Stampone** (2014) Arctic Warming and Your Weather: Public Belief in the Connection. *International Journal of Climatology*, doi: 10.1002/joc.3796.

**Stampone, M.D.**, C.A. Geiger, T.A. DeLiberty, and E.R. Bernstein. (2013) Data-derived spatial-resolution errors of Antarctic sea-ice thickness. *Polar Geography*, 36(3): 202-220. doi: 10.1080/1088937X.2012.691120.

Burakowski, E., C.P. Wake, J.E. Dibb, **M. Stampone** (2013) Putting the capital ‘A’ in CoCoRAHS: an experimental program to measure albedo using the community collaborative rain hail and snow (CoCoRaHS) network. *Hydrological Processes*, 27(21): 3024-3034. doi: 10.1002/hyp.9825.

Hamilton, L.C. and **M.D. Stampone** (2013). Blowin’ in the Wind: Short-Term Weather and Belief in Anthropogenic Climate Change. *Weather, Climate, and Society*, 5: 112-119. doi: <http://dx.doi.org/10.1175/WCAS-D-12-00048.1>

Hartter, J., **M.D. Stampone**, S.J. Ryan, K. Kirner, C.A. Chapman, and A. Goldman (2012). Patterns and perceptions of climate change around a biodiversity hotspot. *PLoS One*, 7(2): e32408. doi:10.1371/journal.pone.0032408

**Stampone, M.D.**, J. Hartter, C.A. Chapman, and S.J. Ryan (2011). Trends and Variability in Localized Precipitation Around Kibale National Park, Uganda, Africa. *Research Journal of Environmental and Earth Sciences*, 3(1): 14-23.

CV – Lemcke-Stampone, M.D.

**Lemcke\***, M.D. and Nelson, F.E. (2004). Cryogenic sediment-filled wedges, Northern Delaware, USA, *Permafrost and Periglacial Processes*, 15: 319-326.

REFEREED CONFERENCE PROCEEDINGS AND ABSTRACTS:

**Stampone, M.D.** (2010). New Hampshire Precipitation Patterns 2005-2009: A Climatological Perspective, *Proceedings of the 18<sup>th</sup> Conference on Applied Climatology, 90<sup>th</sup> Annual Meeting of the American Meteorological Society, January 17-21.*

**Stampone, M.D.** (2009) Evaluating the numerical approximation of the atmospheric latent heat flux used by CSIM5 and its influence on the distribution of sea-ice thickness within the Southern Ocean. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl. C41C-0475.

Hartter, J., S. Ryan, **M.D. Stampone**, and C. Chapman (2009). Dynamics in Protected Areas and Domesticated Landscapes Caused by Climate Change and Anthropogenic Use. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl. EP43E-0683.

**Lemcke\***, M.D. (2006) Evaluating sea-ice model performance using in situ and remotely-sensed information on Antarctic sea-ice thickness. *Eos Trans. AGU*, 87(52), Fall Meet. Suppl. C11A-1131.

**Lemcke\***, M.D. (2005) Evaluating sub-grid-scale variability in gridded sea-ice thickness observations. *Eos Trans. AGU*, 86(52), Fall Meet. Suppl. C33B-113.

DeLiberty, T.A., C.A. Geiger, and **M.D. Lemcke\*** (2004). Quantifying sea ice in the Southern Ocean using ArcGIS, *Proceedings of the ESRI International User Conference, San Diego, CA, August 9-13.*

**Lemcke\***, M.D. and F.E. Nelson (2003). Periglacial Sediment-Filled Wedges, Northern Delaware, USA, *Periglacial Features of Southern New Jersey: Geological Association of New Jersey 20<sup>th</sup> Annual Meeting, Field Guide and Proceedings*, 93-99.

TEXTBOOKS:

**Stampone, M.D.** (2016) *Laboratory Exercises for Elements of Weather, 3<sup>rd</sup> Edition.* Kendall Hunt Publishing. ISBN: 978-1-5249-1434-9

**Stampone, M.D.** (2013) *Exercises in Elements of Weather, 2<sup>nd</sup> Edition.* Kendall Hunt Publishing. ISBN: 978-1-4652-4146-7

**Stampone, M.D.** (2011) *Exercises in Elements of Weather.* Kendall Hunt Publishing. ISBN: 978-0-7575-8701-6

REFEREED STATE GOVERNMENT REPORTS:

Wake, C.P, et al. (*in preparation*) Sea Level Rise, Storm Surges, and Coastal Extreme Precipitation in New Hampshire. *Prepared for: Steering Committee – Coastal Risks and Hazards Commission, State of New Hampshire.*

Wake, C.P, P. Kirshen (Chair), M. Huber, **M. Stampone**, and K. Knutti (2014) Sea Level Rise, Storm Surges, and Coastal Extreme Precipitation in New Hampshire: Analysis of Past and Projected Future Trends. *Prepared for: Steering Committee – Coastal Risks and Hazards Commission, State of New Hampshire*, pp. 38.

Davis, M.J. and **M.D. Stampone** (2014) Analysis of Drought Conditions in New Hampshire. *Prepared for: New Hampshire Department of Environmental Services*, pp. 149.

CV – Lemcke-Stampone, M.D.

TECHNICAL REPORTS AND OTHER PUBLICATIONS:

- (1) **Stampone, M.D.** (2019). New Hampshire State Climate Office 2016 Annual Report. *The State Climatologist*, 37(1), pp. 3.
- (2) **Stampone, M.D.** (2018). New Hampshire State Climate Office 2017 Annual Report. *The State Climatologist*, 36(1), pp. 3.
- (3) **Stampone, M.D.** (2017). New Hampshire State Climate Office 2016 Annual Report. *The State Climatologist*, 35(1), pp. 3.
- (4) **Stampone, M.D.** (2016). New Hampshire Drought Conditions: Summer-Fall 2016. *Prepared for: New Hampshire Department of Environment Services (NHDES)*, pp. 2.
- (5) Hamilton, L.C. and **M.D. Lemcke-Stampone** (2016). Was December Warm? Family, Politics, and Recollections of Weather. *Carsey School of Public Policy National Issue Brief*, 100, pp. 8. <http://scholars.unh.edu/cgi/viewcontent.cgi?article=1275&context=carsey>
- (6) Siegert, N., P. Siegert, and M.D. Stampone (2016), Degree-Day Maps for Improved Timing of Insect Pest Management. *Prepared for: New Hampshire Department of Agriculture*. <http://agriculture.nh.gov/divisions/plant-industry/growing-degree-days.htm>.
- (7) **Stampone, M.D.** (2016). New Hampshire State Climate Office 2015 Annual Report. *The State Climatologist*, 34(1), pp. 3.
- (8) **Stampone, M.D.** (2015). New Hampshire State Climate Office 2014 Annual Report. *The State Climatologist*, 33(1), pp. 3.
- (9) **Stampone, M.D.** (2014). New Hampshire State Climate Office 2013 Annual Report. *The State Climatologist*, 32(1), pp. 3.
- (10) **Stampone, M.D.** (2014). New Hampshire Annual Climate Summary: 2013. New Hampshire State Climate Office Weather and Climate Series, 5(1).
- (11) **Stampone, M.D.** (2013). New Hampshire State Climate Office 2012 Annual Report. *The State Climatologist*, 31(1), 127-129.
- (12) **Stampone, M.D.** (2013). New Hampshire Annual Climate Summary: 2012. New Hampshire State Climate Office Weather and Climate Series, 4(1).
- (13) **Stampone, M.D.** (2012). New Hampshire State Climate Office 2011 Annual Report. *The State Climatologist*, 30(1), 11-113.
- (14) **Stampone, M.D.** (2012). New Hampshire Weather and Climate: May 2012. New Hampshire State Climate Office Weather and Climate Series, 3(6), 5 pp.
- (15) **Stampone, M.D.** (2012). New Hampshire Drought Conditions: April 2012. *Prepared for: New Hampshire Department of Homeland Security (NHDHS)*, pp. 4.
- (16) Wake, C., and **M.D. Stampone** (2012) PSNH Misrepresentation of Long-term Climate Patterns in the Granite State. New Hampshire State Climate Office: Report of Investigation No. 2.
- (17) **Stampone, M.D.** (2012). New Hampshire Annual Climate Summary: 2011. New Hampshire State Climate Office Weather and Climate Series, 3(1).
- (18) **Stampone, M.D.** (2011). New Hampshire State Climate Office 2010 Annual Report. *The State Climatologist*, 29(1), 93-95.
- (19) **Stampone, M.D.** (2011). New Hampshire August Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(8).
- (20) **Stampone, M.D.** (2011). New Hampshire July Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(7).

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- (21) **Stampone, M.D.** (2011). New Hampshire June Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(6).
- (22) **Stampone, M.D.** (2011). New Hampshire May Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(5).
- (23) **Stampone, M.D.** (2011). New Hampshire April Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(4).
- (24) **Stampone, M.D.** (2011). New Hampshire March Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(3).
- (25) **Stampone, M.D.** (2011). New Hampshire February Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(2).
- (26) **Stampone, M.D.** (2011). New Hampshire January Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 111(1).
- (27) **Stampone, M.D.** (2011). New Hampshire Annual Climate Summary: 2010. New Hampshire State Climate Office Weather and Climate Series, 2(1).
- (28) **Stampone, M.D.** (2010). New Hampshire State Climate Office 2009 Annual Report. *The State Climatologist*, 28(1), 98-100.
- (29) **Stampone, M.D.** (2010). New Hampshire December Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 110(12).
- (30) **Stampone, M.D.** (2010). New Hampshire November Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 110(11).
- (31) **Stampone, M.D.** (2010). New Hampshire October Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 110(10).
- (32) **Stampone, M.D.** (2010). New Hampshire September Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 110(9).
- (33) **Stampone, M.D.** (2010). New Hampshire August Weather and Climate Summary. *Northeast Regional Climate Center: New England Climate*, 110(8).
- (34) **Stampone, M.D.** (2010). Is weather in New Hampshire really that bad? CoCoRaHS *State Climates Series: Climates of Our 50 States*.
- (35) **Stampone, M.D.** (2010). Overview of Southeastern New Hampshire Precipitation: March 2010. New Hampshire State Climate Office: Report of Investigation No. 1.
- (36) **Stampone, M.D.** (2009). New Hampshire Seasonal Climate Summary: Fall 2009. New Hampshire State Climate Office Weather and Climate Series, 1(2).
- (37) **Stampone, M.D.** (2009). New Hampshire Seasonal Climate Summary: Summer 2009. New Hampshire State Climate Office Weather and Climate Series, 1(1).
- (38) **Stampone, M.D.** (2009). New Hampshire State Climate Office 2008 Annual Report. *The State Climatologist*, 27(1), 96-97.

## **GRANTS AND CONTRACTED RESEARCH**

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|-----------|--|
| 2018-2020 | PARTICIPANT (PI – N. Morison, NHCP), <i>Using Science, Building Social Capital, and Unpacking Tax Incentives for a Resilient Coastal NH</i> , NOAA Coastal Zone Management (CZM) Projects of Special Merit (\$250,000) |
| 2016      | Co-I (PI – C. Geiger, UD; Co-I – B. Fowler, MWObs), <i>Local-to-Polar Connections</i> , NSF Research Traineeship (NRT) (\$496,393 – <i>unfunded</i> )  |

## CV – Lemcke-Stampone, M.D.

- 2014-2017 MEMBER, (PI – J. Daniel, UNH) *Proposal for the Establishment of The UNH CENTER for Infrastructure Resilience to Climate (UCIRC)*, Center proposal submitted to and accepted by UNH.
- 2014 PARTICIPANT (PI – P. Kirshen, UNH), *Northeast Climate Resilient Lifeline Infrastructure Services (NECLIS)*, NOAA Regional Integrated Science and Assessments (RISA) Program (*unfunded*)
- 2014 FACULTY MENTOR, *Shifting Climate Normals: A moving target for seasonal weather comparisons*, Research Experience for Teachers and Undergraduates (RET), Project supported by UNH Joan and James Leitzel Center Mathematics, Science, and Engineering Education. (\$1000)
- 2012-2013 PI (Co-I – C.P. Wake, UNH), *Enhancing Scholarly Collaboration on New England Climate Change*, UNH ADVANCE Collaborative Scholarship Advancement Award. (\$29,989)
- 2012-2013 CONSULTANT, *Assessment of heat-related illness within urbanized areas of southern NH, 2000-2009*, NH Department of Health and Human Services.
- 2011-2017 PARTICIPANT (PI – J. Nisbet, UNH), *Interactions among Climate, Land Use and Ecology Services*, NSF EPSCoR RII Track-1
- 2011-2017 CONSULTANT, *Climate data-based strategy for pest management services in NH*. US Forest Service, Durham Field Office, NH.
- 2011-2012 Co-PI (Co-PI's – M. Davis and M. Craig, UNH), *Analysis of New Hampshire Droughts and Revision of the State Drought Management Plan*, NH Department of Environmental Services (NHDES). (\$153,323)
- 2010-2011 SOLE-PI, *Monthly Climate Impacts Report for New Hampshire*, National Climatic Data Center (NCDC) State Climatologist Exchange Program (SCEP). (\$3,000)
- 2009-2013 COLLABORATOR (PI – J. Hartter, UNH), *Population, Environment, and Climate in the Albertine Rift (PECAR)*, Project supported by NSF Coupled Human-Natural Systems and National Geographic Society Research and Exploration.
- 2008-2011 CONTRIBUTOR, National Climatic Data Center (NCDC) Climate Data Modernization Program (CDMP)
- 2005-2006 UNIVERSITY FELLOW, University of Delaware Competitive Graduate Fellowship Award. (\$15,750)
- 2003-2005 NASA FELLOW, NASA Delaware Space Grant Fellowship (\$36,500)
- 2002-2003 RESEARCH ASSISTANT, Investigation of Interannual Sea Ice Thickness Variability in the Southern Ocean (NSF Grant # OPP-0088040)
- 1999 STUDENT ASSISTANT, *Ground-Water Recharge Potential Mapping*, Delaware Geological Survey Report of Investigations No. 66

## TRAVEL GRANTS:

- 2011 University Center for Atmospheric Research (UCAR) Travel Grant (\$2500)
- 2010 National Climatic Data Center State Climatologist Exchange Program (\$1200)
- 2005-2007 Graduate Student Travel Award, University of Delaware
- 2003-2007 Department of Geography Travel Grant, University of Delaware
- 2003-2007 Office of Women's Studies Travel Grant, University of Delaware

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### **GRADUATE ADVISORY COMMITTEES**

- 2013-2015 MEMBER, Matthew Cutler, PhD Sociology, University of New Hampshire  
Thesis Title: *Contextual Factors and Shared Perceptions of Environmental and Social Issues*
- 2010-2012 MEMBER, Patrick Selmer, M.S. Applied Meteorology, Plymouth State University  
MEMBER, Joshua Roberti, M.S. Applied Meteorology, Plymouth State University

### **FACULTY-GUIDED UNDERGRADUATE RESEARCH**

#### FACULTY ADVISOR:

- 2019 Marisa Yacco, Geography (2019), University of New Hampshire “Impacts of Warming Winters on Red Maples in New Hampshire” 2019 Undergraduate Research Conference, April 24, 2019, Durham, NH
- 2016 Ashli Grimaldi, Geography (2016), University of New Hampshire  
“First Freeze Date Trends Across Southern New England” 16<sup>th</sup> Annual Undergraduate Research Conference, April 11-23, 2016, Durham, NH
- 2015 Jacqueline Sullivan, Neuroscience, University of New Hampshire  
“Assessing 20<sup>th</sup> century trends in bumble bee (*Bombus*) observations, New Hampshire”
- Research Experience for Undergraduates (REU), NH EPSCoR (funded)
  - Sullivan, J. (2015) “Assessing 20<sup>th</sup> century trends in bumble bee (*Bombus*) observations, New Hampshire” New England - St. Lawrence Valley Geographical Society 2015 Annual Conference, October 9 – 10, 2015, Bridgewater, MA.
- 2015 Taylor Patterson, Geography, University of New Hampshire (GEOG 795: Special Project – Spring 2015) “Mapping Campus Monuments and Memorials: Evaluating Place and Space.” 16<sup>th</sup> Annual Undergraduate Research Conference, April 10-25, 2015, Durham, NH
- 2013-2014 Dylan Schiff, Environmental Sciences (2015), University of New Hampshire  
“Uncertainties in Daily Snowfall Amounts at NWS COOP NH27-2174-02, Durham, NH.” 15<sup>th</sup> Annual Undergraduate Research Conference, April 11-26, 2014, Durham, NH.
- 2013-2014 Amy Lovely, Earth Sciences (2014), University of New Hampshire
- INCO790: Senior Capstone (Sp214) - *Teaching Common Core Standards for Middle School Math and Science using CoCoRaHS precipitation data.*
  - “Utilizing CoCoRaHS Climate Data to Enhance Climate Literacy at the Middle School Level.” 15<sup>th</sup> Annual Undergraduate Research Conference, April 11-26, 2014, Durham, NH.
- 2012-2013 Gregory DiSanto, Geography (2013), University of New Hampshire  
GEOG795: Special Project (Sp13) - *Precipitation Trends in Western Uganda.*
- DiSanto, G. (2012) “Harmonic Analysis of Precipitation in Western Uganda.” Hamel Center for Undergraduate Research Award (*funded*)

CV – Lemcke-Stampone, M.D.

- DiSanto, G., J. Hartter, and **M.D. Stampone** (2013). “Precipitation Trends in Western Uganda.” 14<sup>th</sup> Annual Undergraduate Research Conference. April 12-27, 2013. Durham, NH.
  - Disanto, G. (2013) Precipitation Fact Sheets: Bwindi, Kibale, Murchison Falls and Queen Elizabeth National Parks.
- 2010-2011 Kaitlin Cole, Geography (2011), University of New Hampshire  
“New England Tornado Occurrence, Trends and Impacts – 1980 to 2009.”
- Cole, K.E. and **M.D. Stampone** (2010). “New England Tornado Occurrence, Trends and Impacts – 1980 to 2009.” New England - St. Lawrence Valley Geographical Society (NESTVAL) 2010, October 29 – 30, 2010, Storrs, CT.
  - GEOG795: Special Project (Sp11)
- 2009-2010 Andrew Bobolas, Honors-in-Geography (2010), University of New Hampshire  
“Evaluation of WAVEWATCH III Wave Height Forecasts, Gulf of Maine”
- GEOG795: Special Project (AY2009/10)
  - Bobolas, A.H. (2009) Hamel Center for Undergraduate Research Award (*funded*)
  - Bobolas, A.H. and **M.D. Stampone** (2010). “Evaluation of WAVEWATCH III Wave Height Forecasts for the Gulf of Maine.” Association of American Geographers Annual Meeting. April 10-14, 2010. Washington, DC.
  - Bobolas, A.H. and **M.D. Stampone** (2010). UNH Undergraduate Research Conference. April 16-24, 2010. Durham, NH.

UNDERGRADUATE STUDENTS SUPERVISED:

- (1) Marisa Yacco, *Field Assistant*, NH State Climate Office (Sp19 to Present)
- (2) Patrick Poulin, *Student Assistant*, Department of Geography, UNH (Sp19)
- (3) Alexandra Melnyk, *Student Assistant*, Department of Geography, UNH (Sp18)
- (4) Ashli Grimaldi, *Student Assistant*, Department of Geography, UNH (Sp17)
- (5) Dylan Schiff, *Student Assistant*, Department of Geography, UNH (Sp15 and Sp16)  
*Field Assistant*, NH State Climate Office (Sp13 to Sp16)
- (6) Adrian Whitcomb, *Student Assistant*, Department of Geography, UNH (Sp14)
- (7) Veronica Silver, *Field Assistant*, NH State Climate Office (F13 to Sp14)
- (8) Ian Gaudreau, *Field Assistant*, NH State Climate Office (F13 to Present)  
*Research Assistant*, UNH ADVANCE (Sp/Su 2013)
- (9) Kurtis Murphy, *Field Assistant*, NH State Climate Office (Su13)  
*Student Assistant*, Department of Geography, UNH (Sp12 and Sp13)
- (10) Brian Sullivan, *Research Assistant*, NH State Climate Office (Su/F 2012, AY15-16)
- (11) Eric Pugliano, *Field Assistant*, NH State Climate Office (AY 2011/12)
- (12) Stephen Batty, *Field Assistant*, NH State Climate Office (S11)
- (13) Nicholas Dowhaniuk, *Field/Research Assistant*, NH State Climate Office (Su11 – F12)
- (14) Steven Claggett, *Research Assistant*, NH State Climate Office (Su11)
- (15) Kaitlin Cole, *Research Assistant*, State Climatologist Exchange Program (AY 2009/11)
- (16) Cody Wolk, *Research Assistant*, NH State Climate Office (Sp09)



CV – Lemcke-Stampone, M.D.

**PROFESSIONAL PRESENTATIONS** (\*Lemcke – maiden name)

CONFERENCE PAPERS:

- (1) Siegert, N., P. Siegert, and **M.D. Stampone** (2017), “Degree-Day Maps for Improved Timing of Insect Pest Management.” Association of American Geographers Annual Meeting, April 5 – 9, 2017. Boston, MA.
- (2) **Lemcke-Stampone, M.D.** (2016) “Drought in New Hampshire: Current Conditions and Historical Context” New England - St. Lawrence Valley Geographical Society 2015 Annual Conference, October 14 – 15, 2016, Sherbrooke, QB.
- (3) **Lemcke-Stampone, M.D.** (2015) “From Droughts to Downpours: Citizen Science and Precipitation monitoring in New Hampshire” New England - St. Lawrence Valley Geographical Society 2015 Annual Conference, October 9 – 10, 2015, Bridgewater, MA.
- (4) Bernstein, R., C.A. Geiger, T.L DeLiberty, **M.D. Lemcke-Stampone** (2014) “Estimates and Uncertainties of Antarctic Sea Ice Thickness and Volume from Ice Charts between 1995 and 1998.” International Glaciological Society Symposium: Sea Ice in a Changing Environment, March 10-14, 2014, Hobart, Tasmania, Australia.
- (5) **Stampone, M.D.** and L.C. Hamilton (2014) “Public Belief in Anthropogenic Climate Change: Part Politics, Part Weather, Little Science.” American Meteorological Society 94<sup>th</sup> Annual Meeting, February 4-6, 2014, Atlanta, GA.
- (6) **Stampone, M.D.** and S. Hale (2013) “NH CoCoRaHS for Educators: Integrating Teachers and Students into a Statewide Science Collaboration.” NH-EPSCoR All-Team Meeting, November 20, 2013, Concord, NH.
- (7) Hamilton, L.C. and **M.D. Stampone** (2013) “Did Hurricane Sandy Affect Public Beliefs about Climate Change?” ASA Annual Meeting, August 10-13, 2013, New York, NY.
- (8) Burakowski, E., **M.D. Stampone**, C.P. Wake, and J.E. Dibb (2013) ”Evaluating the Quality of “Citizen Scientist” Snow Albedo Observations for use in Climate System Studies.” 20<sup>th</sup> Conference on Applied Climatology, American Meteorological Society 93<sup>rd</sup> Annual Meeting, January 5-10, 2013, Austin, TX.
- (9) Burakowski, E., **M.D. Stampone**, C.P. Wake, and J.E. Dibb (2012) ”Putting the Capital ‘A’ in CoCoRAHS: An Experimental Program to Measure Albedo using the Community Collaborative Rain Hail and Snow (CoCoRaHS) Network.” American Geophysical Union Fall Meeting, December 3-7, 2012, San Francisco, CA.
- (10) Burakowski, E., C.P. Wake, J.E. Dibb, **M. Stampone** (2012). “Putting the capital ‘A’ in CoCoRAHS: an experimental program to measure albedo using the community collaborative rain hail and snow (CoCoRaHS) network.” Eastern Snow Conference, June 5-7, 2012. Claryville, NY.
- (11) **Stampone M.D.**, C.A. Geiger, T.L. DeLiberty, and E.R. Bernstein (2011) “Data-Derived Spatial-Resolution Errors of Antarctic Sea Ice Thickness.” American Geophysical Union Fall Meeting, December 5-9, 2011. San Francisco, CA.
- (12) **Stampone M.D.**, C.A. Geiger, T.L. DeLiberty, and E.R. Bernstein (2011) “Data-Derived Spatial-Resolution Errors of Antarctic Sea Ice Thickness.” National Snow and Ice Data Center 12<sup>th</sup> International Ice Charting Working Group Meeting, October 17-21, 2011, Cambridge, U.K.

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- (14) **Stampone, M.D.** and D.A. Glenn (2011) “Northeast US heat index climatology: 1981-2010.” 19<sup>th</sup> Conference on Applied Climatology/36<sup>th</sup> Annual Meeting of the American Association of State Climatologists and Practical Solutions for a Warming World: AMS Conference on Climate Adaptation, July 18-20, 2011, Asheville, NC.
- (15) Glenn, D.A., B. Korzeniewski, L.J. Mueller, and **M.D. Stampone** (2011) “Quality assurance and quality control of NWS Historical Cooperative Observations.” Conference on Applied Climatology/36<sup>th</sup> Annual Meeting of the American Association of State Climatologists and Practical Solutions for a Warming World: AMS Conference on Climate Adaptation, July 18-20, 2011, Asheville, NC.
- (16) Geiger, C.A., T.L. DeLiberty, E.R. Bernstein, **M.D. Stampone**, S. Ackley, M. VanWoert, and A.P. Worby (2011). “Improving the Climatology of Antarctic Sea Ice Thickness.” US National Ice Center and US Arctic Research Commission 4<sup>th</sup> Symposium on the Impacts of an Ice-Diminishing Arctic on Naval and Maritime Operations, June 20-22, 2011, Washington, D.C.
- (17) **Stampone, M.D.** (2010). “New Hampshire Winter 2009/2010: Summary and Historical Context.” New England - St. Lawrence Valley Geographical Society 2010 Annual Conference, October 29 – 30, 2010, Storrs, CT.
- (18) Cole, K.E. and **M.D. Stampone** (2010). “New England Tornado Occurrence, Trends and Impacts – 1980 to 2009.” New England - St. Lawrence Valley Geographical Society 2010 Annual Conference, October 29 – 30, 2010, Storrs, CT.
- (19) Bobolas, A.H. and **M.D. Stampone** (2010). “Evaluation of WAVEWATCH III Wave Height Forecasts for the Gulf of Maine.” Association of American Geographers Annual Meeting, April 10-14, 2010. Washington, D.C.
- (20) **Stampone, M.D.** (2010). “New Hampshire Precipitation Patterns 2005-2009: A Climatological Perspective.” 18<sup>th</sup> Conference on Applied Climatology - 90<sup>th</sup> Annual Meeting of the American Meteorological Society, January 17-21, 2010. Atlanta, GA.
- (21) **Stampone, M.D.** (2009). “Evaluating the numerical approximation of the atmospheric latent heat flux used by CSIM5 and it's influence on the distribution of sea-ice thickness within the Southern Ocean.” American Geophysical Union Fall Meeting, December 14-18, 2009. San Francisco, CA.
- (22) Hartter, J., S. Ryan, **M.D. Stampone**, and C. Chapman (2009). “Dynamics in Protected Areas and Domesticated Landscapes Caused by Climate Change and Anthropogenic Use.” American Geophysical Union Fall Meeting, December 14-18, 2009. San Francisco, CA.
- (23) **Stampone, M.D.** (2009). “Evaluation of the sub-grid-scale variability associated with in situ and remotely sensed sea-ice thickness data.” Association of American Geographers Annual Meeting, March 22-27, 2009. Las Vegas, NV.
- (24) **Lemcke\***, **M.D.** (2008). “Evaluating the response of a simulated sea-ice thickness distribution to atmospheric parameterization using remotely sensed observations.” Association of American Geographers Annual Meeting, April 15-19, 2008. Boston, MA.
- (25) **Lemcke\***, **M.D.** (2007). “Evaluating the utility of remotely sensed sea-ice thickness information for use in model validation studies.” Association of American Geographers Annual Meeting, April 17-21, 2007. San Francisco, CA.

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- (26) **Lemcke\***, **M.D.** (2006). “Evaluating sea-ice model performance using in situ and remotely-sensed information on Antarctic sea-ice thickness.” The American Geophysical Union Fall Meeting, December 11-15, 2006. San Francisco, CA.
- (27) **Lemcke\***, **M.D.** (2006). “The Extent of Periglacial Conditions within the Mid-Atlantic Region during the Last Ice Age.” 63<sup>rd</sup> Eastern Snow Conference, June 7-9, 2006. Newark, DE.
- (28) **Lemcke\***, **M.D.** (2006). “Validating a simulated Antarctic sea ice thickness distribution using satellite-derived sea-ice thickness observations.” Association of American Geographers Annual Meeting. March 7-11, 2006. Chicago, IL.
- (29) **Lemcke\***, **M.D.** (2005). “Evaluating sub-grid-scale variability in gridded sea-ice thickness observations.” The American Geophysical Union Fall Meeting, December 5-9, 2005. San Francisco, CA.
- (30) **Lemcke\***, **M.D.** (2005). “A new source of sea-ice information for climate modeling studies.” Association of American Geographers Annual Meeting, April 5-9, 2005. Denver, CO.
- (31) Demitroff, M. and **M.D. Lemcke\*** (2005). “Late-Pleistocene Thermokarst in the Pinelands of Southern New Jersey.” Association of American Geographers Annual Meeting, April 5-9, 2005. Denver, CO.
- (32) **Lemcke\***, **M.D.**, T.L. DeLiberty, C.A. Geiger, M. Van Woert, A.P. Worby, and S.F. Ackley (2004). “A seasonal and interannual investigation of the sea-ice thickness distribution in the Ross Sea.” Association of American Geographers Centennial Meeting, March 14-19, 2004, Philadelphia, PA.
- (33) **Lemcke\***, **M.D.** and F.E. Nelson (2003). “Periglacial sediment-filled wedges, northern Delaware, USA.” Geological Association of New Jersey 20<sup>th</sup> Annual Meeting, October 10-11, 2003. Pomona, NJ.
- (34) **Lemcke\***, **M.D.** and F.E. Nelson (2003). “Cold-Climate Origin of Sediment-Filled Wedges, Northern Delaware, USA.” Association of American Geographers Annual Meeting, March 5-8, 2003. New Orleans, LA.

#### WORKSHOPS AND TRAINING SESSIONS:

- (1) **Stampone, M.D.** (2015) “CoCoRaHS Workshop for Educators.” NH-EPSCoR K-12 Teacher Engagement Program, Concord, NH, August 11, 2015.
- (2) **Stampone, M.D.** (2015) “Rain, Hail, and Snow Network for Educators.” NHSTA 2015 Spring Conference Workshop, Derry, NH, April 11, 2015.
- (3) **Stampone, M.D.** (2014) “CoCoRaHS Workshop for Educators.” NH-EPSCoR K-12 Teacher Engagement Program (*Co-organizer*), Concord, NH, May 3, 2014.
- (4) “SKYWARN Severe Weather Spotter Training Session.” NWS SKYWARN Volunteer Program (*Co-organizer*), Durham, NH, April 9, 2014.
- (5) **Stampone, M.D.** (2014) “A National Network of Teachers and Students Measuring Important Precipitation and Snow Events.” NHSTA 2014 Spring Conference Workshop (*Co-organizer*), Concord, NH, March 22, 2014.
- (6) **Stampone, M.D.** (2013) “Linking Weather and Climate: Atmospheric Circulation.” GLOBE New Hampshire Education and Environment Team (NHEET) Summer Institute: Building Vertical Science, New Hampton, NH, June 27, 2013.

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- (7) “SKYWARN Severe Weather Spotter Training Session.” NWS SKYWARN Volunteer Program (*Co-organizer*), Durham, NH, April 4, 2013.
- (8) **Stampone, M.D.** (2013) “CoCoRaHS Workshop for Educators.” NH-EPSCoR K-12 Teacher Engagement Program (*Co-organizer*), Concord, NH, March 30, 2013.
- (9) **Stampone, M.D.** (2013) “A National Network of Teachers and Students Measuring Important Precipitation and Snow Events.” NHSTA 2013 Spring Conference Workshop (*Co-organizer*), Keene, NH, March 11, 2013.
- (10) **Stampone, M.D.** (2012) “A National Network of Teachers and Students Measuring Important Precipitation and Snow Events.” NHSTA 2012 Fall Conference Workshop (*Co-organizer*), Meredith, NH, November 5, 2012
- (11) Burakowski, E. and **M.D. Stampone** (2012) “Snow-Surface Albedo Observations Workshop.” Volunteer Observer Training Session for NH-ESPCoR Albedo Climate Regulation Science Working Group (*Co-organizer*), Concord, NH, November 3, 2012.
- (12) **Stampone, M.D.** (2012) “CoCoRaHS Workshop for Educators.” NH-EPSCoR K-12 Teacher Engagement Program (*Co-organizer*), Concord, NH, November 3, 2012.
- (13) **Stampone, M.D.** (2012) “A National Network of Teachers and Students Measuring Important Precipitation and Snow Events.” NHSTA 2012 Spring Conference Workshop (*Co-organizer*), Keene, NH, March 12, 2012.
- (14) Burakowski, E., **M.D. Stampone**, and C.P. Wake (2011) “Snow-Surface Albedo Observations Workshop” Observer Training Session for NH-ESPCoR Albedo Climate Regulation Science Working Group (*Co-organizer*), Concord, NH, November 19, 2011.
- (15) **Stampone, M.D.** (2011) “CoCoRaHS New Observer Training” NH Community Collaborative Rain, Hail and Snow Monitoring Network (*Organizer*), Portsmouth, NH, October 22, 2011.
- (16) **Stampone, M.D.** (2010) “CoCoRaHS New Observer Training” NH Community Collaborative Rain, Hail and Snow Monitoring Network (*Organizer*), North Conway, NH, December 14, 2010.
- (17) **Stampone, M.D.** (2010) “CoCoRaHS New Observer Training” NH Community Collaborative Rain, Hail and Snow Monitoring Network (*Organizer*), University of New Hampshire, Durham, NH, September 3, 2010.
- (18) **Stampone, M.D.** (2009) “CoCoRaHS New Observer Training” NH Community Collaborative Rain, Hail and Snow Monitoring Network (*Organizer*), Nesmith Library, Windham, NH, September 3, 2009.
- (19) **Stampone, M.D.** and D.A. Glenn (2009) “CoCoRaHS Kick-off Volunteer Recruitment Event” NH Community Collaborative Rain, Hail and Snow Monitoring Network (*Co-organizer*), North Conway, NH, July 1, 2009.

#### SPEAKING ENGAGEMENTS:

- (1) *Guest Lecture*, “Summary - Fourth National Climate Assessment Vol II” Dartmouth College, Hanover, NH, January 24, 2019.
- (2) *Invited Lecture*, “Briefing - Fourth National Climate Assessment, Vol II – Impacts, Risks, and Adaptation in the United States” NOAA Eastern Region Climate Services – December Webinar, December 18, 2018.

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- (3) *Invited Lecture*, “Climate Change and Hurricanes – What to Expect.” Global Humanities Undergraduate Research Lab – Puerto Rico Lab Brown Bag Seminar, UNH-Durham, NH, October 10, 2018.
- (4) *Guest Lecture*, “Climate Change: Northeastern U.S. What do we value? What is at risk?” Dartmouth College, Hanover, NH, January 25, 2018.
- (5) *Panelist*, “Planning for the Next Big Drought” 2017 Water Resources & Sustainability Symposium, Devens, MA. October 25, 2017.
- (6) *Invited Speaker*, “Climate Adaptation Activities Across New Hampshire: State-Level Climate Science Services.” NOAA Congressional Roundtable for NH. Portsmouth, NH, September 6, 2017.
- (7) *Panelist*, “Raging Rivers - New England communities' varying vulnerability to extreme weather events” EPSCoR- Science Café NH, Portsmouth, NH, April 19, 2017.
- (8) *Invited Lecture*, “Climate Change in New Hampshire: Drought and Future Predictions.” NH Vegetable and Berry Growers Association Annual Meeting, Manchester, NH, February 18, 2017.
- (9) *Keynote Address*, “Climate Change in NH: Influence on Weather Patterns.” Hillsborough County Conservation District Annual Meeting, Goffstown, NH, January 25, 2017.
- (10) *Guest Lecture*, “New Hampshire Climate Change: Past Change, Present Impacts.” Dartmouth College, Hanover, NH, February 4, 2017.
- (11) *Panelist*, Environmental Science Session, FIRST Women in Science and Technology Forum. UNH-Manchester, Manchester, NH, November 18, 2016.
- (12) *Panelist*, “Current Drought Conditions and Outlook for 2016.” Northeast Drought & Climate Outlook Forum, Boston, MA, October 11, 2016.
- (13) *Invited Speaker*, “Drought Conditions Overview and Outlook.” Informational Session for NH Legislators, Concord, NH, October 4, 2016.
- (14) *Panelist*, “Preparing New Hampshire for Projected Storm Surge, Sea-Level Rise, and Extreme Precipitation.” NH Coastal Risk & Hazards Commission, Greenland, NH, May 26, 2016.
- (15) *Guest Lecture*, “New Hampshire Climate Change: Past Change, Present Impacts.” Dartmouth College, Hanover, NH, February 4, 2016.
- (16) *Invited Lecture*, “A “Normal” New Hampshire Winter.” NH-EPSCoR K-12 Teacher Engagement Program, Concord, NH, August 11, 2015.
- (17) *Guest Lecture*, “New Hampshire Climate Change: Weather, Climate, Variability & Change.” Dartmouth College, Hanover, NH, January 29, 2015.
- (18) *Invited Lecture*, “An Old Fashioned New England Winter: A Historical Perspective on Winter 2013-14.” UNH Retired Faculty, Durham, NH, September 17, 2014.
- (19) *Panelist*, Polar Science and Engineering Session, FIRST Women in Science and Technology Forum. UNH-Manchester, Manchester, NH, November 7, 2014.
- (20) *Invited Lecture*, “Climate Change – It’s Effect On NH’s Precipitation – The Facts/The Trends And It’s Possible Effects On NH’s Future Water Resources” New Hampshire Water Works Association Technical Meeting, Wolfeboro, NH, April 17, 2014.
- (21) *Invited Lecture*, “New Hampshire’s Winter Climate” Friends of the Rye Public Library Climate and Weather Lecture Series, Rye, NH, March 13, 2014.
- (22) *Invited Lecture*, “Getting to Know Snow” Rey Center Winter Lecture Series “Infatuated with Snow,” Waterville Valley, NH, February 21, 2014.

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- (23) *Panelist*, UNH Carsey Institute Media Training, Durham, NH, December 3, 2012.
- (24) *Panelist*, Polar Science and Engineering Session, FIRST Women in Science and Technology Forum. UNH-Manchester, Manchester, NH, November 17, 2012.
- (25) *Panelist*, “Getting to Know Snow: Volunteer Climate Scientists Take an In-Depth Look at NH Snow” EPSCoR- Science Café NH, Portsmouth, NH, October 17, 2012.
- (26) *Invited Lecture*, “New England Tornado Hazard: Climatology and Risk.” Plymouth State University Environmental Science Colloquium, Plymouth, NH, September 19, 2012.
- (27) *Keynote Address*, “What does a Scientist Look Like?” Women in Science & Technology (WIST) Forum, White Mountains Community College, Berlin, NH, April 6, 2012.
- (28) *Invited Lecture*, “New England Climate Trends.” New Hampshire Professional Landscapers Conference – UNH Cooperative Extension, Concord, NH, March 14, 2012.
- (29) *Invited Lecture*, “Data-Derived Spatial-Resolution Errors of Antarctic Sea Ice Thickness.” UNH Department of Earth Sciences – Brown Bag Seminar Series, Durham, NH, September 22, 2011.
- (30) *Panelist*, “Climate Change in New Hampshire, True or False?” Science Café New Hampshire, Concord, NH, May 24, 2011.
- (31) *Panelist*, Environmental Science Session, FIRST Women in Science and Technology Forum. UNH-Manchester, Manchester, NH, November 5, 2010.
- (32) *Invited Lecture*, “New Hampshire Precipitation: Patterns and Trends.” National Weather Service Weather Forecast Office Spring Meeting, Gray, ME, May 20, 2010.
- (33) *Keynote Address*, “Earth’s Climate.” Liberty Mutual Earth Day Event, April 22, 2010.
- (34) *Invited Lecture*, “New Hampshire Summer of 2009: Summary and Statistics.” Rotary Club of Durham – Great Bay, Durham, NH, October 14, 2009.
- (35) *Panelist*, Alliance for Climate Protection, Repower America Round Table Event. Durham, NH, October 13, 2010.
- (36) *Guest Speaker*, Climate Change Discussion Group. Concord, NH, February 1, 2010.
- (37) *Guest Lecture*, “The Importance of Sea-Ice within Climate System Models.” Center for the Environment, Plymouth State University, Plymouth, NH, March 3, 2009.
- (38) *Guest Lecture*, “Fundamentals of Global Warming.” Urban Environmental Center, Wilmington, DE, July 2006.

**TEACHING EXPERIENCE**

2008-Present DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF NEW HAMPSHIRE  
*(Course numbering system begins at 400 for freshman-level courses)*  
 GEOG 473 – Elements of Weather (100+; Lecture/Lab; traditional and online)  
 GEOG 560 – Geography of Natural Hazards (50)  
 GEOG 572 – Physical Geography/Geography of the Natural Environment (30)  
 GEOG 574 – Geography of Landforms (30)  
 GEOG 570/670 – Climatology/Climate & Society (20)  
 GEOG 671 – Advanced Weather Analysis/Weather Forecasting (20)  
 GEOG 795 – Special Project  
 INCO 790 – Advanced Research Experience

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- 2007-2008 DEPARTMENT OF GEOGRAPHY & EARTH SCIENCE, SHIPPENSBURG UNIVERSITY  
 GEOG 103: Geography of the US and Canada (120)  
 GEOG 105: Physical Geography (40)  
 ESS 108: Conservation of Natural Resources (120)  
 ESS 111: Introduction to the Atmosphere (80)
- 1998-2007 DEPARTMENTS OF GEOGRAPHY & GEOLOGICAL SCIENCES, UNIVERSITY OF DELAWARE  
*Instructor:*  
 GEOL 115 – Geological Hazards Laboratory (40)  
 GEOG 101 – Physical Geography: Climatic Processes (30)  
 GEOG 152 – Climate & Life (80; Lecture/Lab)  
*Teaching Assistant:*  
 GEOG 101 – Physical Geography: Climatic Processes  
 GEOG 106 – Physical Geography: Land Surface Processes  
 GEOG 152 – Climate & Life  
 GEOG 210 – Economic Geography  
 GEOG 270 – Map Communication & Design  
 GEOG 343 – Climatic Geomorphology  
 GEOG 372 – Introduction to GIS  
 GEOG 412 – Physical Climatology  
 GEOG 474 – Introduction to Environmental Remote Sensing  
 GEOG 471/671 – Advanced GIS  
 GEOG 670 – GIS

**PROFESSIONAL SERVICE**

## UNIVERSITY AND DEPARTMENTAL SERVICE:

- 2019- PRESENT      **MEMBER**, COLA Enrollment Committee  
 2016-PRESENT      **MEMBER**, UNH myElements Governance Committee  
 2014-PRESENT      **CHAIR**, Department of Geography  
 2009-2011, 2012    **REPRESENTATIVE**, UNH Faculty Senate, Library Committee Member

- Undergraduate academic advisor
- *Faculty Expert*, UNH Media Relations
- *Faculty Advisor*, Student Association of Geographers (SAG)
- *Faculty Liaison*, University Honors Program (2008-2015)
- *Faculty Liaison*, Hamel Center for Undergraduate Research (2008-2015)
- *Chair*, Search Committee, Lecturer – Geography and International Affairs (Spring 2015)
- *Member*, Search Committee, Economic Geographer (AY 2014-2015)
- *Chair*, Organizing Committee – 2014 NESTVAL Fall Meeting
- *Chair*, Search Committee, Environmental Geographer (AY 2013-2014)
- *Member*, Search Committee, Lecturer – Geography and International Affairs (Spring 2013)
- External Program Review, Department of Geography – UNH (AY 2009-2010)

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ADVISORY COMMITTEES:

- New Hampshire Drought Management Team, NH Departments of Environmental Services and Homeland Security (2008 – present)
- Scientific Advisory Panel, NH Coastal Hazards Commission (2014 – present)
- Association of American State Climatologists Value Proposition Committee (2015 – present)
- Mount Washington Observatory – Scientific Advisory Committees (2010 – present)
- Mount Washington Observatory – Education Task Force
- Steering Committee, UNH Center for Infrastructure Resilience to Climate (UCIRC)
- NH Climate and Health Working Group, NH Department of Health and Human Services
- NH Coastal Adaptation Workgroup, Great Bay National Estuarine Research Reserve

PROFESSIONAL SERVICE:

- *Trustee*, Mount Washington Observatory (2010 – present)
- AASC Recognized State Climate Office (ARSCO)
- *Observer*, NOAA National Weather Service (NWS) Cooperative Observer Program (COOP), National Climate Data Center (NCDC) Global Historical Climatology Network (GHCN), US Historical Climatology Network (USHCN)
- *Coordinator* and *Observer*, New Hampshire Community Collaborative Rain, Hail and Snow (CoCoRaHS) monitoring network.
- *Site Coordinator*, NOAA US Climate Reference Network (USCRN)
- *Executive Board Member*, New England-St Lawrence Valley Geographical Society (2010-2015)

MANUSCRIPT REVIEWS:

- National Oceanic and Atmospheric Administration (NOAA) Climate Program Office (CPO), Water Resource Management Sectoral Application Research Program (SARP)
- *Computers and Geoscience, Climatic Change, Global Environmental Change, International Journal of Climatology, Journal of Applied Physical Geography, Journal of Glaciology, Journal of Quaternary Science, PLoS One, The Northeastern Geographer, UNH Carsey Institute Policy Brief, U.S. Global Change Research Program*

PROFESSIONAL MEMBERSHIPS:

American Geophysical Union (AGU)

American Meteorological Society (AMS)

Association of American Geographers (AAG), AAG Cryosphere Specialty Group

Association of American State Climatologists (AASC)

New England-St Lawrence Valley (NESTVAL) Geographical Society

**CAREER DEVELOPMENT**

- Writing Academy (May – August 2019)
- Large Enrollment Courses, UNH-CETL (January 11, 2017)



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- Leave Your Commercial Textbook Behind and Learn To Teach with Open Educational Resources, UNH-CETL (January 11, 2017)
- Developing and Implementing a Student Learning Assessment Process for your Major, UNH CETL (October 6, 2016)
- Advancing Chairs as Leaders, UNH-ADVANCE (Spring 2016)
- Climate Prediction Applications Science Workshop (CPASW) (March 22-24, 2016)
- Department Academic Program Review: Assessing Learning Outcomes in the Major, UNH CETL (November 3, 2015)
- CSRC ArcGIS training course (August 22-26, 2011)
- Sustainability Research Collaboratory Workshop (May 24-26, 2011)
- Northeast Regional Climate Center (NRCC) Extreme Precipitation Training/Outreach Meeting (September 13, 2010)
- Faculty Instructional Technology Summer Institute, UNH (June 14-18, 2010)
- NH EPSCoR Annual Meeting “Building Collaborations for Research, Education and Outreach in New Hampshire” (June 9, 2010)

## **MEDIA ENGAGEMENT**

I am regularly interviewed by, quoted in, and provide information to the *Associated Press*, *Boston Globe*, *Portsmouth Herald*, *Concord Monitor*, *Fosters Daily Democrat*, *Union Leader*, *Nashua Telegraph*, and *The Christian Science Monitor* as well as WMUR-TV, NECN, NHPR, WGIR Clear Channel Media, WTSN 1270 AM and 107.7 FM on topics of regional importance and NHSCO research. I have also been interviewed by national news organizations (e.g. the *New York Times*, *National Public Radio*), featured in professional magazines (e.g. *NH Business Review*), and collaborative published research has appeared in the journal *Science* and other online media. A full list of media appearances is available upon request.

### PRESS RELEASES:

- (1) January 16, 2013: “It’s Official: 2012 Broke Record for Warmest Year in New Hampshire” (<http://www.unh.edu/news/releases/2013/jan/lw16weather.cfm>)
- (2) August 24, 2011: “UNH Climatologist Available to Discuss Track, Impact of Hurricane Irene” ([http://www.unh.edu/news/cj\\_nr/2011/aug/lw24irene.cfm](http://www.unh.edu/news/cj_nr/2011/aug/lw24irene.cfm))
- (3) January 20, 2011: “UNH Climatologist: 2010 Warmest Year On Record For New Hampshire” ([http://www.unh.edu/news/cj\\_nr/2011/jan/lw20warm.cfm](http://www.unh.edu/news/cj_nr/2011/jan/lw20warm.cfm))
- (4) December 20, 2010: “UNH Climatologist: White Christmas Unlikely For Southern NH” ([http://www.unh.edu/news/cj\\_nr/2010/dec/lw20snow.cfm](http://www.unh.edu/news/cj_nr/2010/dec/lw20snow.cfm))
- (5) June 7, 2010: “UNH Climatologist Available to Discuss Tornadoes in New Hampshire” ([http://www.unh.edu/news/cj\\_nr/2010/jun/lw07tornadoes.cfm](http://www.unh.edu/news/cj_nr/2010/jun/lw07tornadoes.cfm))
- (6) April 2, 2010: “UNH Climatologist Releases March Precipitation Totals” ([http://www.unh.edu/news/cj\\_nr/2010/apr/lw02climate.cfm](http://www.unh.edu/news/cj_nr/2010/apr/lw02climate.cfm))
- (7) January 25, 2010: “Last Five Years in NH Were Wettest on Record, New UNH Research Shows” ([http://www.unh.edu/news/cj\\_nr/2010/jan/lw25wet.cfm](http://www.unh.edu/news/cj_nr/2010/jan/lw25wet.cfm))
- (8) December 9, 2009: “UNH Climatologist Available to Discuss One-Year Anniversary of Ice Storm” ([http://www.unh.edu/news/cj\\_nr/2009/dec/lw09ice.cfm](http://www.unh.edu/news/cj_nr/2009/dec/lw09ice.cfm))

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- (9) June 22, 2009: “UNH Teams Up With National Weather Service to Launch Statewide Precipitation Measuring Network”  
([http://www.unh.edu/news/cj\\_nr/2009/june/ms22weather.cfm](http://www.unh.edu/news/cj_nr/2009/june/ms22weather.cfm))
- (10) April 8, 2009: “State Climatologist: Spring Flooding in Southeastern NH Appears Unlikely” ([http://www.unh.edu/news/cj\\_nr/2009/apr/lw8flooding.cfm](http://www.unh.edu/news/cj_nr/2009/apr/lw8flooding.cfm))