

JEANNE M. THIBEAULT

Department of Geography
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EDUCATION

University of Connecticut Graduate School, Storrs, CT

Ph.D., Geography, May 2010

Dissertation: Changing Climate in the Bolivian Altiplano

Ph.D. Advisor: Dr. Anji Seth

University of Massachusetts Graduate School, Amherst, MA

M.S., Geography, February 2007

Thesis Title: Spatial Patterns of Oxygen-18, Deuterium, and Deuterium Excess in Precipitation over Lowland Europe

Thesis Advisor: Dr. William D. McCoy

Worcester State University, Worcester, MA

B.S., Geography, 2003, Summa Cum Laude

PROFESSIONAL HISTORY

Postdoctoral Research Fellow, June 2011 – present

University of Connecticut, Storrs, CT

Adjunct Professor, 2012 - present: Climate, Weather, and Environment, and Physical Geography

University of Connecticut, Storrs, CT

Adjunct Faculty, Fall 2009 – Fall 2011: Physical Geography

Worcester State University, Worcester, MA

Adjunct Faculty, Fall 2010: World Regional Geography

Manchester Community College, Manchester, CT

Visiting Lecturer, Spring 2010, Spring 2011: Physical Geography with Lab

Fall 2014: World Regional Geography

Westfield State University, Westfield, MA

Graduate Teaching Assistant, Fall 2009

Courses: Introduction to Physical Geography, Advanced Physical Geography

University of Connecticut, Department of Geography, Storrs, CT

Graduate Research Assistant, 2006- 2009

University of Connecticut, Department of Geography, Storrs, CT

Graduate Teaching Assistant, 2004-2005

Courses: Global Environmental Change, Quantitative Methods in Geography

University of Massachusetts-Amherst, Department of Geosciences, Amherst, MA

Micropaleontological Technician, Summer 2005

University of Massachusetts-Amherst, Department of Geosciences, Amherst, MA

Scorer Massachusetts Earth Science Teacher Certification Test, 2005-2006

National Evaluation Systems, Inc., Amherst, MA

CONFERENCE PRESENTATIONS

Thibeault, J. and A. Seth, 2013, *Changing Climate Extremes in the Northeast: CMIP5 Simulations and Projections*, American Geophysical Union Fall Meeting, Dec. 9-13, San Francisco, CA, *poster*

Thibeault, J. and A. Seth, 2013, *Changing Climate Extremes in the Northeast*, New England-St. Lawrence Valley Geographical Society, Association of American Geographers, Oct 18-19, Worcester, MA

Lynch, C., Seth, A., and **Thibeault, J.**, 2013, *A Case Study of Communicating Climate Projections for the Northeast US via Webinar*, AGU Chapman Conference on Communicating Climate Science: A Historic Look to the Future, June 8-13, Snow Mountain Ranch, CO, *poster*

Seth, A., **Thibeault, J.**, and Lynch, C., 2013, *Climate Change in the Northeast – New experiments for the IPCC 5th Assessment Report*, Connecticut Climate Change Education Group Webinar, May 22

- Thibeault, J.**, 2013, *Changing Climate Extremes in the Northeast U.S.: HadEX2 Observations and CMIP5 Simulations and Projections*, Association of American Geographers Annual Meeting, Apr. 9-13, Los Angeles, CA, *poster*
- Thibeault, J.**, 2013, *Changing Climate Extremes in Southern New England*, Connecticut Conference on Natural Resources, University of Connecticut, March 18, Storrs, CT, *poster*
- Thibeault, J.** and A. Seth, 2013, *Process Evaluation of Warm Season Precipitation in the Northeast U.S.: NARCCAP driving AOGCMs, Timeslice Experiments, and CMIP5 Simulations*, 93rd AMS Annual Meeting, Jan. 6-10, Austin, TX, *poster*
- Thibeault, J.** and A. Seth, 2011, *Regional Evaluation of Global High Resolution Time Slices for the Northeast U.S.*, American Geophysical Union Fall Meeting, Dec. 5-9, San Francisco, CA, *poster*
- Valdivia, C., M. Garcia, **J. Thibeault**, A. Seth, J. Gilles, 2010, *Climate Trends and Projections for the Andean Altiplano, Economic and Social Effects, and Strategies for Adaptation*, International Workshop on ENSO, Decadal Variability and Climate Change in South America, 12-14 October, Guayaquil, Ecuador
- Thibeault, J.** and A. Seth, 2010: *Precipitation Variability in the Bolivian Altiplano: CMIP3 Projections*, Association of American Geographers Annual Meeting, 14-18 April, Washington, DC
- Thibeault, J.**, 2010: *Climate extremes in New England: Observed changes and 21st century projections*, CT Conference on Natural Resources, University of Connecticut, March 8, 2010, Storrs, CT, *poster*
- Thibeault, J.**, 2009: *Climate extremes in New England: Observed changes and 21st century projections*, New England-St. Lawrence Valley Geographical Society, Association of American Geographers, Nov 6-7, Salem, MA
- Thibeault, J.**, A. Seth and G. Wang, 2009: *The Future of Drought in the Bolivian Altiplano: Projected Changes in Drought Severity and Soil Moisture and Relationships with Zonal Wind Anomalies*, Association of American Geographers Annual Meeting, 22-27 March, Las Vegas, NV
- Thibeault, J.**, A. Seth and G. Wang, 2008: *The Future of Drought in the Bolivian Altiplano: Projected Changes in Drought Severity and Soil Moisture*, New England-St. Lawrence Valley Geographical Society, Association of American Geographers, Oct 31- Nov 1, Plymouth, NH
- Thibeault, J.**, A. Seth and M. Garcia, 2008: *Changing Climate in the Bolivian Altiplano: CMIP3 Projections for Extremes of Temperature and Precipitation*, Association of American Geographers Annual Meeting, 15-19 April, Boston, MA, *poster*
- Thibeault, J.** and A. Seth, 2007: *Simulated Historical and Future Changes in Extreme Precipitation and Temperature Indices for the Bolivian Altiplano*, New England-St. Lawrence Valley Geographical Society, Association of American Geographers, Nov 2-4, New Haven, CT, *poster*
- Thibeault, J.**, 2007: *Spatial Patterns of Oxygen-18, Deuterium, and Deuterium Excess in Precipitation over Lowland Europe*, Association of American Geographers Annual Meeting, 17– 21 April, San Francisco, CA, *poster*
- Seth, A., **J. Thibeault**, M. Garcia, 2007: *Climate variability and change in the Andean Highlands*, American Association of Geographers Annual Meeting, 17–21 April, San Francisco, CA, *poster*

PUBLICATIONS

- J. Thibeault** and A. Seth (2014), *Changing Climate Extremes in the Northeast United States: Observations and Projections from CMIP5*, Climatic Change, doi: 10.1007/s10584-014-1257-2.
- P. Panday, **J. Thibeault**, and K. Frey (2014), *Changing temperature and precipitation extremes in the Hindu Kush-Himalayan region: An analysis of CMIP3 and CMIP5 simulations and projections*, International Journal of Climatology, accepted.
- J. Thibeault** and A. Seth (2014), *Toward the Credibility of Northeast United States Summer Precipitation Projections in CMIP5 and NARCCAP Simulations*, in preparation.
- Maloney, E., S. J. Camargo, E. Chang, B. Colle, R. Fu, K. Geil, Q. Hu, X. Jiang, N. Johnson, K. Karnauskas, J. Kinter, B. Kirtman, S. Kumar, B. Langenbrunner, K. Lombardo, L. Long, A. Mariotti, J. Meyerson, K. Mo, D. Neelin, Z. Pan, R. Seager, Y. Serra, A. Seth, J. Sheffield, J. Stroeve, **J. Thibeault**, S. Xie, C. Wang, B. Wyman, M. Zhao (2014), *North American Climate in CMIP5 Experiments: Part III: Assessment of 21st Century Projections*, Journal of Climate, Vol. 27, No. 6, 2230-2270, doi: 10.1175/JCLI-D-13-00273.1.

- J. Thibeault** and A. Seth (2013), *A Framework for Evaluating Model Credibility for Warm Season Precipitation in the Northeast: A Case Study of CMIP5 Simulations and Projections*, Journal of Climate, 27, 493-510, DOI: 10.1175/JCLI-D-12-00846.1.
- Sheffield J, A. Barrett, B. Colle, R. Fu, K. L. Geil, Q. Hu, J. Kinter, S. Kumar, B. Langenbrunner, K. Lombardo, L. Long, E. Maloney, A. Mariotti, J. Meyerson, K. Mo, D. Neelin, Z. Pan, A. Ruiz-Barradas, Y. Serra, A. Seth, **J. Thibeault**, J. Stroeve (2013), *North American Climate in CMIP5 Experiments. Part I: Evaluation of 20th Century Continental and Regional Climatology*, Journal of Climate, Vol. 26, No. 23, 9209-9245.
- Valdivia, C., **J. Thibeault**, J.L. Gilles, M. Garcia, and A. Seth (2013), *Climate Trends and Projections for the Andean Altiplano and strategies for adaptation*, Advances in Geosciences, 11, 1-9.
- J. Thibeault**, A. Seth and G. Wang (2012), *Mechanisms of Precipitation Variability in the Bolivian Altiplano: Present and Future*, International Journal of Climatology, 32 (13), 2033-2041, doi:10.1002/joc.2424.
- J. Thibeault**, A. Seth and M. Garcia (2010). *Changing Climate in the Bolivian Altiplano: CMIP3 projections for extremes of temperature and precipitation*, Journal of Geophysical Research-Atmospheres, 115, D08103, doi:10.1029/2009JD012718.
- N. Kehrwald, W. D. McCoy, **J. Thibeault**, S. Burns, and E. Oches (2010) *Paleoclimate implications of modern and LGM European land-snail shell $\delta^{18}O$* , Quaternary Research, 74, 166-176.
- A. Seth, **J. Thibeault**, M. Garcia, and C. Valdivia (2010) *Making sense of 21st century climate change in the Altiplano: Observed trends and CMIP3 projections*, Annals of the Association of American Geographers, 100 (4), 835-847.

OTHER ACTIVITIES

- Peer Review: International Journal of Climatology, Journal of Geophysical Research-Atmospheres, Journal of Climate, Global and Planetary Change, Geophysical Research Letters, Climatic Change, Regional Environmental Change.
- Scientific outreach to high school students, May 2014, Blackstone Valley Regional Vocational Technical High School, Upton, MA.
- Advisory Board Member, Physical and Earth Sciences Department, Worcester State University, December 2013 - June 2014
- Served as judge for Outstanding Student Paper Awards, American Geophysical Union Fall Meeting, Dec. 9-13, San Francisco, CA
- Served as judge for Climate Specialty Group student paper competition, Association of American Geographers Annual Meeting, Apr. 9-13, Los Angeles, CA
- Volunteered at American Meteorological Society booth at Association of American Geographers Annual Meeting, Apr. 9-13, Los Angeles, CA
- Attended NCAR Advanced Study Program Summer Colloquium 2011, Statistical Assessment of Extreme Weather Phenomena Under Climate Change, June 6-24, Boulder, CO
- Memberships: Association of American Geographers (AAG), American Geophysical Union (AGU), American Meteorological Society (AMS)
- Panelist, February 2009-Worcester State College, Worcester, MA
- National Teach-In on Global Warming Solutions, *Climate Change Implications for the Altiplano*
- Panel Discussant, March 2007- University of Connecticut Avery Point
- Climate Change: How the Debate Structures the Issue*