

KIRSTEN LACKSTROM

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EDUCATION

- Ph.D. Geography, University of South Carolina, 2015
- M.A. International Relations, Boston University, 1989
- B.A. Political Science, *magna cum laude*, Phi Beta Kappa, Gettysburg College, 1987

PROFESSIONAL EXPERIENCE

- Research Associate**, Carolinas Integrated Sciences and Assessments (CISA), University of South Carolina, 2010-present
- Program Manager**, Carolinas Integrated Sciences and Assessments (CISA), University of South Carolina, 2010-2016
- Research Assistant**, Carolinas Integrated Sciences and Assessments (CISA), University of South Carolina, 2009-2010, 2003-2006
- Instructor**, University of South Carolina, Department of Geography, Introduction to Geography, 2006-2007
- Program Manager**, University of North Carolina at Chapel Hill, Institute of Government, Principals' Executive Program, 1989-1993

PUBLICATIONS

Peer-reviewed Articles

- 2017 Lackstrom, K., A. Farris, D. Eckhardt, N. Doesken, H. Reges, J. Turner, K. H. Smith, and R. Ward. CoCoRaHS Observers Contribute to "Condition Monitoring" in the Carolinas: A New Initiative Addresses Needs for Drought Impacts Information. *Bulletin of the American Meteorological Society*. Accepted/In Press.
- 2016 Lackstrom, K., G. J. Carbone, D. L. Tufford, and A. Patel. 2016. Climate and Water Resources in the Carolinas: Approaches to Applying Global Climate Change Information to Local Decisions. *Journal of South Carolina Water Resources* 3 (1): 49-61.
- 2015 Dilling, L., K. Lackstrom, B. Haywood, K. Dow, M. C. Lemos, J. Berggren, S. Kalafatis. What stakeholder needs tell us about enabling adaptive capacity: The intersection of context and information provision across regions in the U.S. *Weather, Climate, and Society* 7 (1): 5-17.
- 2014 Lackstrom K., N. P. Kettle, B. K. Haywood, and K. Dow. Climate-sensitive decisions and time frames: a cross-sectoral analysis of information pathways in the Carolinas. *Weather, Climate, and Society* 6 (2): 238-252.
- 2014 Haywood, B. K., A. Brennan, K. Dow, N. P. Kettle, and K. Lackstrom. Negotiating a Mainstreaming Spectrum: Climate Change Response and Communication in the Carolinas. *Journal of Environmental Policy & Planning* 16 (1): 75-94.

- 2014 Smith, K. H., M. Svoboda, M. Hayes, H. Reges, N. Doesken, K. Lackstrom, K. Dow, and A. Brennan. Local Observers Fill In the Details on Drought Impact Reporter Maps. *Bulletin of the American Meteorological Society* 95 (11): 1659-1662.
- 2013 Dow, K., B. K. Haywood, N. P. Kettle, and K. Lackstrom. The role of ad hoc networks in supporting climate change adaptation: a case study from the Southeastern United States. *Regional Environmental Change* 13 (6): 1235-1244.
- 2009 Lackstrom, K. and L. J. Stroup. Using a Local Greenway to Study the River Environment and Urban Landscape. *Journal of Geography* 108 (2): 78-89.

Book Chapter

- 2016 Simpson, C. F., L. Dilling, K. Dow, K. Lackstrom, M. C. Lemos, and R. E. Riley. Assessing needs and decision contexts: RISA approaches to engagement research. In: *Climate in Context: Science and Society Partnering for Adaptation*, Parris, A., G. M. Garfin, K. Dow, R. Meyer, S. L. Close [eds.], Wiley & Sons.

Peer-reviewed Reports

- 2012 Gilbert, S., K. Lackstrom, and D. L. Tufford. *The Impact of Drought on Coastal Ecosystems in the Carolinas: State of Knowledge Report*. Columbia, SC: Carolinas Integrated Sciences & Assessments (CISA).
- 2012 Lackstrom, K., K. Dow, B. Haywood, A. Brennan, N. P. Kettle, and A. Brosius. *Engaging Climate-Sensitive Sectors in the Carolinas*. Technical report submitted to the National Climate Assessment. Columbia, SC: Carolinas Integrated Sciences & Assessments (CISA).

Other Publications, Reports, and Conference Papers

- 2016 Brennan, A. and K. Lackstrom. *The NIDIS Coastal Carolinas DEWS Program Progress Report*. Submitted to the National Integrated Drought Information System (NIDIS) Program the NOAA Climate Program Office.
- 2014 Lackstrom, K., B. Haywood, A. Brennan, J. Davis, and K. Dow. Drought and Coastal Ecosystems: Identifying Impacts and Opportunities to Inform Management. *Proceedings of the 2014 South Carolina Water Resources Conference*, held October 15-16, 2014, at the Columbia Conference Center, Columbia, SC.
- 2013 Lackstrom, K., A. Brennan, D. Ferguson, M. Crimmins, L. Darby, K. Dow, K. Ingram, A. Meadow, H. Reges, M. Shafer, and K. Smith. *The Missing Piece: Drought Impacts Monitoring Workshop Report*, Tucson, AZ.
- 2012 Brennan, A., K. Dow, K. Lackstrom, L. Darby, and C. Ott. *NIDIS Carolinas Drought Early System: Supporting Coastal Ecosystem Management – Scoping Workshop Report*. Columbia, SC: Carolinas Integrated Sciences & Assessments (CISA) and the National Integrated Drought Information System (NIDIS).
- 2011 Lackstrom, K. *Institutional Opportunities and Barriers to Climate Adaptation*. American Water Resources Association Spring Specialty Conference (Managing Climate Change Impacts on Water Resources: Adaptation Issues, Options, and Strategies), held April 18-20, 2011, in Baltimore, MD.
- 2011 Lackstrom, K., K. Dow, S. Ferguson, and N. P. Kettle. 2011. *Understanding Needs for a Drought Early Warning System: Urban Water Systems in North Carolina*. SC: Carolinas Integrated Sciences & Assessments (CISA).

- 2011 Lackstrom, K., K. Dow, S. Ferguson, and N. P. Kettle. *Understanding Needs for a Drought Early Warning System: Drought Impacts and Stresses on Coastal Ecosystems*. Columbia, SC: Carolinas Integrated Sciences & Assessments (CISA).
- 2010 Lackstrom, K., and K. Dow. Coastal Ecological Impacts of Drought: Needs for a Drought Early Warning System. *Proceedings of the 2010 South Carolina Water Resources Conference*, held October 13-14, 2010, at the Columbia Conference Center, Columbia, SC.
- 2008 Lackstrom, K. Improving Drought Management Policy and Practice: Lessons from Drought and FERC Relicensing. *Proceedings of the 2008 South Carolina Water Resources Conference*, held October 14-15, 2008, at the Charleston Area Event Center, N. Charleston, SC.
- 2007 Lackstrom, K. *Assessment of Local Drought Ordinances and Plans: Public Water Suppliers in the Catawba-Wateree Basin*. Report prepared for the Catawba-Wateree Water Management Group.
- 2005 Lackstrom, K. Review of *Landscapes of Privilege: The Politics of the Aesthetic in an American Suburb* by James S. and Nancy G. Duncan. *Social and Cultural Geography* 6 (5).

GRANTS

Coping with Drought RISA Team Meeting, Principal Investigator. University of Oklahoma, \$13,613, 10/2016-9/2017.

Building Adaptive Capacity in the Carolinas: The Carolinas Integrated Sciences & Assessments (CISA) Program, Co-Principal Investigator (K. Dow, PI). National Oceanic and Atmospheric Administration (NOAA), \$3,745,893, 9/2016-8/2021.

NIDIS Carolinas DEWS Program, Co-Principal Investigator (K. Dow, PI). University Corporation for Atmospheric Research (UCAR)/NOAA, \$56,522, 3/2016-8/2016.

CONFERENCE AND MEETING ACTIVITIES

Organized Sessions and Meetings

- 2016 *Climate Change and Water Resources in the Carolinas*. 2016 South Carolina Water Resources Conference, October 12-13, Columbia, SC.
- 2016 *NIDIS Coastal Carolinas Drought Early Warning System (DEWS) Meeting*. With C. Black (NIDIS), June 2, Wilmington, NC.
- 2016 *NIDIS Engaging Preparedness Communities Working Group Meeting*. With D. Bathke, B. Freeman, N. Wall, and T. Bernadt, April 28-29, Lincoln, NE.
- 2015 *Building Drought Resilience Across Scales and Sectors*. With N. Wall, D. Bathke, K. Smith, National Adaptation Forum, May 9-11, St. Louis, MO.

Selected Presentations

- 2017 “A New System for Drought Impacts Monitoring and Reporting Using Citizen Science.” With A. Farris and R. Ward, 23rd Conference on Applied Climatology, Asheville, NC.
- 2016 “Assessing the Usefulness of Citizen Science Information in Drought-Related Decision Making.” With A. Farris and K. Dow, American Meteorological Society 96th Annual Meeting, New Orleans, LA.

- 2016 “Climate and Water Resources in the Carolinas: Approaches to Applying Global Climate Change Information to Local and Regional Questions.” With G. J. Carbone, D. L. Tufford, A. Patel. 2016 South Carolina Water Resources Conference, Columbia, SC.
- 2016 “Drought and Coastal Ecosystems: Decision Maker Needs for Information.” With K. Dow, A. Farris, B. Haywood, D. Chalcraft, C. Nolan, D. L. Tufford. American Water Resources Association Annual Conference, Orlando, FL.
- 2016 “What can citizen scientists tell us about drought conditions and impacts? Local perspectives on drought onset, intensification, and recovery.” With A. Farris and K. Dow, Southeastern Division of the Association of American Geographers Annual Meeting, Columbia, SC.
- 2015 “Collaborative approaches to managing drought: Stakeholder networks and institutional change in the Carolinas.” Annual Meeting of the Association of American Geographers, Chicago, IL.
- 2015 “Drought and Coastal Ecosystems: An Assessment of Decision Maker Needs for Information.” With A. Brennan and K. Dow, Fifth Interagency Conference on Research in the Watersheds, North Charleston, SC.
- 2014 “Drought and Coastal Ecosystems: Identifying Impacts and Opportunities to Inform Management.” With A. Brennan, P. Conrads, L. Darby, K. Dow, D. Tufford, 2014 South Carolina Water Resources Conference, Columbia, SC.
- 2014 “Improving Understanding of Drought Impacts in Coastal Ecosystems.” With A. Brennan, B. Haywood, K. Dow, American Meteorological Society 94th Annual Meeting, Atlanta, GA.
- 2014 “NIDIS Carolinas Drought Impacts Projects & Citizen Science Network.” With A. Brennan, National Information Drought Information System-Engaging Preparedness Communities Webinar Series, webinar.
- 2013 “Local Actors’ Perspectives about the Impacts of Drought on Coastal Resources and Communities.” With B. Haywood, A. Brennan, J. Davis, A. Patel, K. Dow, Southeastern Division of the Association of American Geographers Annual Meeting, Roanoke, VA.
- 2013 “The Missing Piece: Drought Impacts.” National Integrated Drought Information System-Engaging Preparedness Communities Webinar Series, webinar.
- 2012 “Building adaptive capacity through partnerships and networks.” With K. Dow, A. Brennan, A. Brosius, B. Haywood, N. Kettle, Climate Adaptation Futures: Second International Climate Change Adaptation Conference, Tucson, AZ.
- 2012 “Climate Decision Making in the Carolinas: The Role of Information Networks in Supporting Adaptation.” With N. Kettle, K. Dow, A. Brennan, B. Haywood, Southeastern Division of the Association of American Geographers Annual Meeting, Asheville, NC.
- 2011 “Assessing climate-sensitive sectors, decisions, and peoples in the Carolinas.” With B. Haywood, K. Dow, S. Ferguson, D. Foster, N. P. Kettle, C. Rappold, and E. Weeks, Solutions for a Warming World: AMS Conference on Climate Adaptation, Asheville, NC.
- 2011 “Drought Adaptation and Institutions in the Carolinas.” Annual Meeting of the Association of American Geographers, Seattle, WA.
- 2010 “Construction, Conservation, and Collective Action: A Study of Drought Adaptations and Institutions in the Carolinas, 1998-2008.” Department of Geography Colloquium, University of South Carolina, Columbia, SC.
- 2010 “Institutions and Drought Adaptations in the Carolinas, 1998-2008.” Annual Meeting of the Association of American Geographers, Washington, DC.

- 2008 “Coordinating Drought Management across State and Local Boundaries: A Case Study of the Catawba-Wateree River Basin.” NC AWWA-WEA Seminar: Water Supply and Reservoir Management in North Carolina, Greensboro, NC.
- 2008 “Developing Collaborative Drought Management Institutions in the Carolinas: ‘Sharing the Pain’ of the 2007 Drought – A Case Study from the Catawba-Wateree Basin.” Annual Meeting of the Association of American Geographers, Boston, MA.
- 2008 “From Adaptation Actions to Adaptive Capacity: Local, Basin, and State Approaches to Developing Drought Resilience,” North Carolina Water Resources Research Institute Annual Conference, Raleigh, NC, poster.
- 2007 “Who will fix the drought problem? Basin wide approaches to drought management and the evolving role of hydroelectric dam owners as drought coordinators in the Catawba-Wateree and Yadkin-Pee Dee.” Annual Meeting of the Southeastern Division of the Association of American Geographers, Charleston, SC.
- 2006 “Integrating Climate Information and Water Resources Management: Opportunities for Adaptive Management in the Context of Dam Relicensing.” With G. Carbone, K. Dow, D. Tufford, H. Mizzell, J. Rhee, American Water Resources Association Summer Specialty Conference (Adaptive Management of Water Resources), Missoula, MT.

PROFESSIONAL ACTIVITIES

Co-chair, Planning and Preparedness Working Group, National Integrated Drought Information System (NIDIS), 2014-2016

Peer reviewer for *Climate Risk Management*; *Journal of the American Water Resources Association*; *Weather, Climate, and Society*; *WIREs Water*

Reviewer for USGS National Climate Change and Wildlife Science Centers funding opportunity on ecological drought (Statements of Interest)

Memberships: American Meteorological Society, American Water Resources Association, Association of American Geographers, Southeastern Division of the Association of American Geographers