

# Curriculum Vitae

## Kirstin Dow

Carolina Trustees Professor, Department of Geography  
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### EDUCATION

1996 Ph.D. Clark University, Geography  
1992 M.A. Clark University, Geography  
1986 B.S. University of Wisconsin-Madison Geography with a Certificate in  
Environmental Studies

### AWARDS

2018 University of South Carolina, Carolina Trustees Professor

2016 University of South Carolina, Breakthrough Leadership in Research  
Award

2015 American Association for the Advancement of Science. Inaugural Public  
Engagement Fellow, Leshner Leadership Institute

2007 "Book of the Year" Environment Category, for *The Atlas of Climate Change*  
co-authored with Thomas E. Downing, [www.Planeta.com](http://www.Planeta.com)

2005 Zayed Prize for Scientific and Technical Achievement for the *Millennium  
Ecosystem Assessment* shared with the 1360 participating scientists,  
[www.zayedprize.com.ae](http://www.zayedprize.com.ae)

2001 Environmental Stewardship Award, School of the Environment,  
University of South Carolina

1999 Outstanding Faculty Service-Learning Award, University of South  
Carolina

- 1999 Invited Participant, First Inter-American Institute for Global Change Research/University of Miami Summer Institute on Interdisciplinary Global Change Science in the Americas, "Interactions between Seasonal-to-Interannual Climate Variability and Human Systems" July 11-30, Miami, Florida
- 1991 Foreign Language Area Studies Fellowship, U.S. Department of Education

### **PROFESSIONAL EXPERIENCE**

- 1996 – Professor (promoted 2002; 2011), Department of Geography; Associate, Belle W. Baruch Institute for Marine and Coastal Sciences, University of South Carolina.
- 2004 – 2009 Senior Research Fellow at the Stockholm Environment Institute (SEI), Stockholm, Sweden
- 2004 – 2006 First Faculty Principal of the Learning Center for Sustainable Futures and Green Quad Student Residence, University of South Carolina.
- 2002 – 2004 Research Fellow and Manager for the Vulnerability and Poverty Programme and Coordinator for the Risk and Vulnerability Programme across SEI offices. Stockholm Environment Institute, Stockholm, Sweden (on leave of absence from the University of South Carolina).
- 1995 - 1996 Instructor, Department of Geography, Rutgers, The State University New Jersey.
- 1994-1995 Researcher, J.K. Research Associates. Working on the public involvement aspects of a review of risks at the DOE weapons complex. Beverly, Massachusetts.
- 1988 -1992; 1994 – 1994. Research Assistant, Clark University, Graduate School of Geography.
- 1987 – 1988 Co-Director of the Student Environmental Health Project, Center for Health Services, Vanderbilt University.
- 1985-1986 Environmental Specialist I / II, Wisconsin Department of Natural Resources, Bureau of Water Resources. Staff, Fish Contaminant Monitoring Program.

## PUBLICATIONS

### Books

Dow, K. and T. E. Downing. 2006; 2<sup>nd</sup> edition 2007; 3<sup>rd</sup> edition 2011. *The Atlas of Climate Change*, U.S. Edition: University of California Press, Berkeley, CA; UK Edition: Earthscan, London, UK. Foreign language versions of the 2<sup>nd</sup> edition are also available in German, Greek, Italian, Japanese, Korean, Portuguese, and Thai. 3<sup>rd</sup> edition is available in electronic format CREDO corp.credoreference.com

### Edited Books

Parris, A., G. Garfin, K. Dow, R. Meyer, and S. Close, eds. 2016. *Climate in Context: Science and Society Partnering for Adaptation*. Wiley and Sons: New York.

Ingram, K.T., K. Dow, L. Carter, and J. Andersen, eds. 2013. *Climate of the Southeast United States: Variability, Change, Impacts, and Vulnerability*. Island Press, Washington (peer-reviewed).

### Refereed Journal Articles

Deeb, R., D. Tufford, G. I. Scott, J. G. Moore, and K. Dow. 2018. Impact of Climate Change on *Vibrio vulnificus* Abundance and Exposure Risk. *Estuaries and Coasts*. 41(8): 2289–2303. <https://doi.org/10.1007/s12237-018-0424-5>.

Clark, K. E., E. Chin, M. N. Peterson, K. Lackstrom, K. Dow, M. Foster, and F. Cubbage. 2018. Evaluating Climate Change Planning for Longleaf Pine Ecosystems in the Southeast United States. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 5: 151–168.

Buizer, J., K. Dow, et al. 2016. Building a Sustained Assessment Process. *Climate Change*. DOI 10.1007/s10584-015-1501-4

Kettle, N.P. and K. Dow. 2015. Comparing coastal planner expectations of change to climate science projections. *Journal of Environmental Policy & Planning* 17 (4): 475-494.

Dilling, L., K. Lackstrom, B.K. Haywood, K. Dow, M.C. Lemos, J. Berggren, and S. Kalafatis. 2015. 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(Jan):5-17.

Kettle, N.P. and K. Dow. 2014. The Role of Perceived Risk, Uncertainty, and Trust on Coastal Climate Change Adaptation Planning. *Environment and Behavior* on-line 0013916514551049

Kettle, N.P. and K. Dow. 2014. Cross-level Differences and Similarities in Coastal Climate Change Adaptation Planning. *Environmental Science and Policy* 44 (Dec):279-290.

Smith, K.M. M. Svoboda, M. Hayes, H. Reges, N. Doesken, K. Lackstrom, K. Dow and A. Brennan. 2014. The Drought Impact Reporter can support citizen science initiatives. *Bulletin of the American Meteorological Association*. 95(11):1659 -1662

Kettle, N., K. Dow, S.P. Tuler, T. Webler, and J. Whitehead. 2014. Integrating scientific and local knowledge to inform risk-based management approaches for climate adaptation. *Climate Risk Management*. (4-5):17-31. DOI: 10.1016/j.crm.2014.07.001

Webler, T., S. Tuler, K. Dow, J. Whitehead, N. Kettle. 2014. *On-Line* Design and evaluation of a local analytic-deliberative process for climate adaptation planning. *Local Environment*. <http://dx.doi.org/10.1080/13549839.2014.930425>

Lackstrom, K., N. Kettle, B. Haywood, and K. Dow. 2014. "Climate-sensitive decisions and time frames: a cross-sectoral analysis of information pathways in the Carolinas." *Weather, Climate, and Society*. 6(2):238-252.

Dow, K., F. Berkhout, and B.L. Preston. 2013. Limits to adaptation to climate change: A risk approach. *Current Opinion in Environmental Sustainability* 5:384–391.

Haywood, B., N. Kettle, K. Lackstrom, and K. Dow. 2013. Negotiating a Mainstreaming Spectrum: Climate Change Response & Communication in the Carolinas. *Journal of Environmental Policy & Planning* 13(1) 75-94.

Dow, K., F. Berkhout, B. Preston, R. Klein, G. Midgley, and R. Shaw. 2013. Limits to Adaptation. *Nature Climate Change* 3 (April):305-307; doi:10.1038/nclimate1847.

Preston, B.L., K. Dow and F. Berkhout. The Climate Adaptation Frontier. *Sustainability* 2013 (5): 1011-1035; doi:10.3390/su5031011.

Dow, K., B. Haywood, N. Kettle, and K. Lackstrom. 2013. The role of ad hoc networks in supporting climate change adaptation: a case study from the Southeastern United States. *Regional Environmental Change* 13(1) doi: 10.1007/s10113-013-0440-8.

Lord, F., T.E. Webler, S.P., Tuler, and K. Dow. 2012. Unnecessarily neglected in planning: Illustration of a practical approach to identify human dimension impacts of marine oil spills. *Journal of Environmental Assessment Policy and Management* 14(2):1-23 DOI: 10.1142/S1464333212500123

K. Dow. 2010. News Coverage of 1998-2007 Drought Impacts in the Carolinas. *Natural Hazards* 54(2):497-518. Appeared on line in 2009 at DOI 10.1007/s11069-009-9482-0

K. Dow, R. L. Murphy, and G. J. Carbone. 2009. Issues in Effective Drought Risk Communication using Web Mapping. *Journal of the American Water Resources Association* 45(1):187-197.

K. Dow, R. E. O'Connor, B. Yarnal, G. J. Carbone, and C. L. Jocoy. 2007. Why Worry? Community Water System Managers' Perceptions of Climate Vulnerability. *Global Environmental Change* 17(?):228-237.

K. Dow and G. J. Carbone. 2007. Climate Science and Decision Making. *Geography Compass* 1: 10.1111/j.1749-8198.2007.00036.x (available on line at <http://www.blackwell-synergy.com/doi/pdf/10.1111/j.1749-8198.2007.00036.x>)

Yarnal, B., A. L. Heasley, R. E. O'Connor, K. Dow, and C. L. Jocoy. 2006. The Potential Use of Climate Forecasts by Community Water System Managers. *Land Use and Water Resources Research*. Vol. 6 (available on line at <http://www.luwrr.com/contents.html>).

O'Connor, R. E., B. Yarnal, K. Dow, C. L. Jocoy, and G. J. Carbone. 2005. Feeling at-Risk Matters: Water Managers and the Decision to Use Forecasts. *Risk Analysis* 25(5): 1265-1275.

Carbone, G. J. and K. Dow. 2005. "Water Resource Management and Drought Forecasts in South Carolina." *Journal of the American Water Resources Association* 41(1):145-155.

K. Dow and S. L. Cutter. 2002. "Emerging Transportation Issues in Preparing for the Next Hurricane" *Natural Hazards Review* 3(1):12-18.

S. L. Cutter, M. E. Hodgson and K. Dow. 2001. "Subsidized Inequities: The Spatial Patterning of Environmental Risks and Federally-Assisted Housing." *Urban Geography* 22(1):29-53.

K. Dow. 2000. "Social Dimensions of Gradients in Urban Ecosystems" *Urban Ecosystems* 4(4):255-276.

K. Dow and S. L. Cutter. 2000. "Public Orders and Personal Opinions: Household Strategies for Hurricane Risk Assessment" *Environmental Hazards* 2: 143-155.

K. Dow. 1999. "The Extraordinary and the Everyday in Explanations of Vulnerability to an Oil Spill." *Geographical Review* 89(1): 74-93.

K. Dow. 1999. "Caught in the Currents: Pollution, Risk, and Marine Space." *The Professional Geographer* 51(3): 414-426.

Clark, G. E., S. C. Moser, S. J. Ratick, K. Dow, W. B. Meyer, S. Emani, W. Jin, J. X. Kasperson, R. E. Kasperson, and H. E. Schwarz. 1998. "Assessing the Vulnerability of Coastal Communities to Extreme Storms: The Case of Revere, MA, USA." *Mitigation and Adaptation Strategies for Global Change* 3(?):59-82.

K. Dow and S. L. Cutter. 1998. "Crying Wolf: Repeat Responses to Hurricane Evacuation Orders." *Coastal Management* 26(?):237-252.

K. Dow. 1992. "Exploring Differences in Our Common Future(s): The Meaning of Vulnerability to Global Environmental Change." *Geoforum* 23(3): 417-436.

R. E. Kasperson and K. Dow. 1991. "Developmental and Geographical Equity in Global Environmental Change." *Evaluation Review* 15(1): 149-171.

Turner II, B. L., R. E. Kasperson, W. B. Meyer, K. Dow, D. Golding, J. X. Kasperson, R. C. Mitchell, and S. J. Ratick. 1990. "Two Types of Global Environmental Change." *Global Environmental Change* 1(1): 14-22.

### **Peer-Reviewed Government Reports**

Carter, L., A. Terando, K. Dow, K. Hiers, K.E. Kunkel, A. Lascurain, D. Marcy, M. Osland, and P. Schramm, 2018: Southeast. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA. doi: [10.7930/NCA4.2018.CH19](https://doi.org/10.7930/NCA4.2018.CH19)

Corell, R. W., D. Liverman, K. Dow, K. L. Ebi, K. Kunkel, L. O. Mearns, and J. Melillo, 2014: Ch. 29: Research Needs for Climate and Global Change Assessments. *Climate Change Impacts in the United States: The Third National Climate Assessment*, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 707-718. doi:10.7930/J03R0QR3.

Field, C. B., V. R. Barros, M. D. Mastrandrea, K. J. Mach, M. A.-K. Abdrabo, W. N. Adger, Y. A. Anokhin, O. A. Anisimov, D. J. Arent, J. Barnett, V. R. Burkett, R. Cai, M. Chatterjee, S. J. Cohen, W. Cramer, P. Dasgupta, D. J. Davidson, F. Denton, P. Döll, K. Dow, Y. Hijioka, O. Hoegh-Guldberg, R. G. Jones, R. N. Jones, R. L. Kitching, R. S. Kovats, P. R. Lankao, J. N. Larsen, E. Lin, D. B. Lobell, I. J. Losada, G. O. Magrin, J. A. Marengo, A. Markandya, B. A. McCarl, R. F. McLean, L. O. Mearns, G. F. Midgley, N. Mimura, J. F. Morton, I. Niang, I. R. Noble, L. A. Nurse, K. L. O'Brien, T. Oki, L. Olsson, M. Oppenheimer, J. T. Overpeck, J. J. Pereira, E. S. Poloczanska, J. R. Porter, H.-O. Pörtner, M. J. Prather, R. S. Pulwarty, A. R. Reisinger, A. Revi, O. C. Ruppel, D. E. Satterthwaite, D. N. Schmidt, J. Settele, K. R. Smith, D. A. Stone, A. G. Suarez, P. Tschakert, R. Valentini, A. Villamizar, R. Warren, T. J. Wilbanks, P. P. Wong, A. Woodward, and G. W. Yohe. 2014. *Climate Change 2014: Impacts, Adaptation, and Vulnerability: Summary for Policy Makers*. <http://www.ipcc->

wg2.gov/AR5/images/uploads/IPCC\_WG2AR5\_SPM\_Approved.pdf Accessed April 7, 2014

Klein, R. J. T., G. F. Midgley, B. L. Preston, M. Alam, F. G. H. Berkhout, K. Dow, and M. R. Shaw with contributions from W. Botzen, H. Buhaug, K. W. Butzer, C. Keskitalo, Y. Li, E. Mateescu, S. Marais, R. Muir-Wood, J. Mustelin, H. Reid, L. Rickards, T. F. Smith, A. Thomas, P. Watkiss, and J. Wol 2014. Chapter 16: Adaptation Opportunities, Constraints, and Limits.in C. B. Field and et al., editors. *Climate Change 2014: Impacts, Adaptation, and Vulnerability*. <http://ipcc-wg2.gov/AR5/report/final-drafts/>

Noble, I., S. Huq, Y. Anokhin, J. Carmin, D. Goudou, F. Lansigan, B. Osman-Elasha, A. Villamizar, with contributions from, J. Ayers, F. Berkhout, K. Dow, H.-M. Füssel, J. Smith, K. Tierney, and H. Wright. 2014. Chapter 14. Adaptation Needs and Options.in C. B. Field and et al., editors. *Climate Change 2014: Impacts, Adaptation, and Vulnerability*. <http://ipcc-wg2.gov/AR5/report/final-drafts/>

Wong, P. P., I. J. Losada, J.-P. Gattuso, J. Hinkel, A. Khattabi, K. McInnes, Y. Saito, A. Sallenger, with contributions from, S.-M. Cheong, K. Dow, C. M. Duarte, K. L. Ebi, L. Faulkner, M. Isobe, J. Middelburg, S. Moser, M. Pelling, E. Penning-Rowsell, S. Seitzinger, M. Stive, R. S. J. Tol, and A. Vafeidis. 2014. Chapter 14. Adaptation Needs and Options.in C. B. Field and et al., editors. *Climate Change 2014: Impacts, Adaptation, and Vulnerability*. <http://ipcc-wg2.gov/AR5/report/final-drafts/>

J. L. Buizer, P. Fleming, S. L. Hays, K. Dow, C. B. Field, D. Gustafson, A. Luers, R. H. Moss, M. E. Black, S. Moser, T. C. Richmond, and A. Waple. Sustained Assessment Special Report Working Group, National Climate Assessment Development and Advisory Committee (NCADAC). 2013. Preparing the Nation for Change: Building a Sustained National Climate Assessment Process. Submitted to the NCADCA, July 2.

### **Book Chapters**

Moser, S., K. Dow, and S.P. Tuler. 2017. Out of Harm's Way: Challenges in Reducing Current and Future Coastal Risk Exposure In Kasperson, R. E. ed. *Risk Conundrums: Solving Unsolvable Problems*. Earthscan, London. Pp. 189-206.



Tuler, S.P., K. Dow, and T. Webler. 2017. How Can We Learn More From Learning About Risk Controversies. In Kasperson, R.E. ed. *Risk Conundrums: Solving Unsolvable Problems*. Earthscan, London. Pp. 62-74.

Tuler, S., K. Dow, T. Webler, and J. Whitehead. 2016. Learning through participatory modeling: Reflections on what it means and how it is measured. In S. Gray, M. Paolisso, and R. Jordan, eds. *Environmental Modeling with Stakeholders*. Springer. pp. 25-46.

Simpson, C. F. , L. Dilling, K. Dow, K. J. Lackstrom, M.C. Lemos and R. E. Riley. 2016. Assessing needs and decision contexts: RISA approaches to engagement research. In Parris, A., G. Garfin, K. Dow, R. Meyer and S. Close, eds. *Climate in Context: Science and Society Partnering for Adaptation*. Wiley and Sons: New York (peer-reviewed). pp. 3-26.

Carbone, G., J. Rhee, K. Dow, J. Fowler, G. Garfin, H. Hartmann, E. Lay and A. DeGaetano. 2016. Challenges, pitfalls, and lessons learned in developing a drought decision-support tool. In Parris, A., G. Garfin, K. Dow, R. Meyer and S. Close, eds. *Climate in Context: Science and Society Partnering for Adaptation*. Wiley and Sons: New York (peer-reviewed). pp. 173-190.

Parris, A., S. L. Close, R. Meyer, K. Dow and G. Garfin. 2016. Evolving the practice of Regional Integrated Sciences and Assessments. In Parris, A., G. Garfin, K. Dow, R. Meyer and S. Close, eds. *Climate in Context: Science and Society Partnering for Adaptation*. Wiley and Sons: New York (peer-reviewed). pp. 255-262.

K. Dow and S. L. Cutter. 2015. "To Stay or Leave: Residents' Evaluations of Hurricane Evacuation Warnings." Reprinted in G.A. Tobin and B.E. Montz, eds. *Evolving Approaches to Understanding Natural Hazards*. Newcastle upon Tyne: Cambridge Scholars Publishing. pp. 349-359.

K. Dow, L. Carter with contributions from A. Brosius, E. Diaz, R. Durbrow, R. Evans, S. Fauver, T. Hayden, B. Howard, K. Jacobs, G. Landers, S. McNulty, J. Nicholson, D. Quattrochi, L. Rimer, S. Shuford, S. Stiles, and A. Terando. 2013. "Climate Adaptation in the Southeast." In K.T. Ingram, K. Dow, L. Carter and J.

Andersen, eds. *Climate of the Southeast United States: Variability, Change, Impacts, and Vulnerability*. Island Press, Washington. 295-316.

K.T. Ingram, K. Dow, L. Carter and J. Andersen. 2013. Climate Change in the Southeast USA: Executive Summary. In K.T. Ingram, K. Dow, L. Carter and J. Andersen, eds. *Climate of the Southeast United States: Variability, Change, Impacts, and Vulnerability*. Island Press, Washington. 1-7.

K. Dow and S. L. Cutter. 2006. "Emerging Transportation Issues in Preparing for the Next Hurricane" Reprinted in S. L. Cutter. 2006. *Hazards, Vulnerability, and Environmental Justice*. London: Earthscan. pp. 385-398. Originally published in *Natural Hazards Review* (3)1:12-18 in 2002.

K. Dow and S. L. Cutter. 2006. "Public Orders and Personal Opinions: Household Strategies for Hurricane Risk Assessment" Reprinted in S. L. Cutter. 2006. *Hazards, Vulnerability, and Environmental Justice*. London: Earthscan. pp. 227-249. Originally published in *Environmental Hazards* 2: 143-155, in 2000.

K. Dow and S. L. Cutter. 2006. "Crying Wolf: Repeat Responses to Hurricane Evacuation Orders." Reprinted in S. L. Cutter. 2006. *Hazards, Vulnerability, and Environmental Justice*. London: Earthscan. pp. 209-226. Originally published in *Coastal Management* 26:237-252, in 1998.

K. Dow, R. E. Kasperson, and M. Bohn. 2006. "Exploring the Social Justice Implications of Adaptation." In Adger, W. N. et al., eds. *Fairness and Climate Change*. Cambridge, MA: MIT Press. pp. 79-96. *Peer Reviewed*.

R.E. Kasperson and K. Dow, Coordinating Lead Authors; Additional authors: E. Archer, D. Caceres, T. Downing, T. Elmqvist, C. Folke, G. Han, K. Iyengar, C. Vogel, K. Wilson, G. Ziervogel, Lead Authors. 2006. "Vulnerable Peoples and Places," Chapter 6 in the *Millennium Ecosystem Assessment: Conditions and Trends* Volume. Washington, D.C.: Island Press, pp. 143-164. *Peer Reviewed*.

Clark, G. E., S. C. Moser, S. J. Ratick, K. Dow, W. B. Meyer, S. Emani, W. Jin, J. X. Kasperson, R. E. Kasperson, and H. E. Schwarz. "Assessing the Vulnerability of Coastal Communities to Extreme Storms: The Case of Revere, MA, USA." Reprinted in J. X. Kasperson and R. E. Kasperson. 2005. *Social Contours of Risk*

*Vol. 2: Risk Analysis, Corporations & the Globalization of Risk*. London: Earthscan. pp.198-216. Originally published in *Mitigation and Adaptation Strategies for Global Change* 3:59-82 in 1998.

R. E. Kasperson and K. Dow. 1991. "Developmental and Geographical Equity in Global Environmental Change." Reprinted in J. X. Kasperson and R. E. Kasperson. 2005. *Social Contours of Risk Vol. 1: Publics, Risk Communication, and the Social Amplification of Risk*. London: Earthscan. pp.246-264. Originally published in *Evaluation Review* 15(1): 149-171 in 1991.

R. E. O'Connor, R. Bord, K. Dow, and B. Yarnal. 2001. "Risk Perceptions of Natural Hazards: Community Water System Managers in Pennsylvania and South Carolina." In: Y. Y. Haimes, D. A. Moser, and E. Z. Stakhiv, eds. Risk-Based Decision Making in Water Resources IX, Reston: VA: American Society of Civil Engineers. pp. 87-95.

R. E. Kasperson, J. X. Kasperson, and K. Dow, with contributions from E. Ezcurra, D. M. Liverman, J. K. Mitchell, S. J. Ratick, T. O'Riordan, and P. Timmerman. 2001. "Introduction: Global Environmental Risk and Society." In: J. X. Kasperson and R. E. Kasperson, eds. Global Environmental Risk. Tokyo: United Nations University Press. pp. 1-48.

R. E. Kasperson, J. X. Kasperson, and K. Dow. 2001. "Equity, Vulnerability and Global Environmental Change." In: J. X. Kasperson and R. E. Kasperson, eds. Global Environmental Risk. Tokyo: United Nations University Press. pp. 247-272.

K. Dow. 1997. "An Overview of Pollution Issues in the Straits of Malacca." In: Hamzah Ahmad, ed. The Straits of Malacca. Kuala Lumpur, Malaysia: Pelanduk Publications. pp. 61-102.

R. E. Kasperson, J. X. Kasperson, B. L. Turner II, K. Dow, and W. B. Meyer. 1995. "Critical Environmental Regions: Concepts, Distinctions, and Issues." Chapter 1 in J. X. Kasperson, R. E. Kasperson, and B. L. Turner II, eds. Regions at Risk. Tokyo: United Nations University Press. pp. 1-41.

R. E. Kasperson, J. X. Kasperson, B. L. Turner II, K. Dow, and W. B. Meyer. 1995. "Comparisons and Conclusions." Chapter 11 in J. X. Kasperson, R. E. Kasperson,

and B. L. Turner II, eds. Regions at Risk. Tokyo: United Nations University Press. pp. 519-568.

R. E. Kasperson and K. Dow. 1993. "Hazard Perception and Geography." Chapter 8 in T. Göring and R. Golledge, eds. Behavior and Environment: Psychological and Geographical Approaches. Amsterdam: North Holland Press. pp. 193-222.

### **Peer Reviewed Reports and Contributions**

K. Lackstrom, K. Dow, B. Haywood, A. Brennan, N. Kettle, and A. Brosius. 2012. "Engaging Climate-Sensitive Sectors in the Carolinas." Carolinas Integrated Sciences and Assessments. Technical Report: CISA-2012-03 submitted to the US National Climate Assessment.

K. T. Ingram, K. Dow, L. Carter, Eds. 2012. "Southeast Region Technical Report" Submitted to the US National Climate Assessment.

K. Dow, L. Carter with contributions from A. Brosius, E. Diaz, R. Durbrow, R. Evans, S. Fauver, T. Hayden, B. Howard, K. Jacobs, G. Landers, S. McNulty, J. Nicholson, D. Quattrochi, L. Rimer, S. Shuford, S. Stiles, and A. Terando. 2012. "Climate Adaptation in the Southeast." In K. T. Ingram, K. Dow, L. Carter, Eds. 2012. "Southeast Region Technical Report." Submitted to the US National Climate Assessment.

K. Dow, G. J. Carbone, G. Garfin, and M. Crimmins. 2008. "Developing a Drought Impact Reporting System for the Carolinas." *Proceedings of the 2008 South Carolina Water Resources Conference*. October 14-15. Charleston, SC.

E. Lindskog, K. Dow, G. Nilsson-Axberg, F. Miller, and A. Hancock. 2005. "When Rapid Changes to Social, Economic and Environment Conditions Converge: Challenges to Sustainable Livelihoods in Dak Lak, Vietnam." SEI Risk and Vulnerability Programme Report 2005. Stockholm: Sweden. *Peer Reviewed*.

K. Dow, E. R. Carr, A. Douma, G. Han, and K. Hallding. 2005. "Linking Water Scarcity to Population Movements: From global models to local experiences." SEI Risk and Vulnerability Programme Report 2005. Stockholm: Sweden. *Peer Reviewed*.

Maltias, A., K. Dow, and Å. Persson. 2003. "Integrating Perspectives on Environmental Security." SEI Risk and Vulnerability Programme Report 2003-01. Stockholm: Sweden. *Peer Reviewed*.

K. Dow. 2000. "Environmental Studies: Environment in North America." In: Cheris Kramarae and Dale Spender, eds. Routledge International Encyclopedia of Women, Vol. 2, New York: Routledge. pp. 587-590. *Peer Reviewed*.

K. Dow, P. Burns, and S. L. Cutter. 1999. "To Stay or Leave: Residents' Evaluation of Hurricane Evacuation Warnings." *Papers and Proceedings Applied Geography Conference 22*. Edited by F. A. Schoolmaster. pp. 107-114. Applied Geography Conferences, Inc. *Peer Reviewed*.

### **Reports and Contributions**

K. Lackstrom, P. Glick, K. Dow, B. A. Stein, M. N. Peterson, E. Chin, and K. Clark. 2018. "Climate Change and Conservation in the Southeast: An Analysis of State Wildlife Action Plans" <https://globalchange.ncsu.edu/secsc/wp-content/uploads/SE-SWAP-Analysis-Full-Report.pdf>

K. Dow and F. Berkhout. 2014. Limits to adaptation and the 'loss and damage' debate. Posted on e-International Relations. [www.e-ir.info/](http://www.e-ir.info/) March.

K. Lackstrom, A. Brennan, D. Ferguson, M. Crimmins, L. Darby, K. Dow, K. Ingram, A. Meadow, H. Reges, M. Shafer, K. Smith. 2013. "The Missing Piece: Drought Impacts Monitoring." Report from a Workshop in Tucson, AZ. March 5-6, 2013. 23 pp.

T. MacDonald, A. Becker, D. Bellomo, V. Burkett, J. Cikir, S. Cutter, K Dow, J. Hall, M. Honeycutt, P. King, P. Kirshen, J. London, A. McGregor, J. Melby, L. Patton, E. Russo, G. Smith, C. Thatcher, and J. Trtanj. 2012. Chapter 4: Vulnerability and Impacts on Human Development. In V. Burkett and M. Davidson, eds. 2012. Coastal Impacts, Adaptation and Vulnerabilities: 2012 Technical Input Report to the 2013 National Climate Assessment: pp. 68-103.

K. Dow. 2012. "Climate Information Needs in the Southeast: Analysis of Requests." Submitted to the US National Climate Assessment.

A. Brennan, K. Dow, K. Lackstrom, L. Darby, and C. Ott. 2012. "NIDIS Carolinas Drought Early Warning System: Supporting Coastal Ecosystem Management -- Scoping Workshop Report". Columbia, SC: Carolinas Integrated Sciences & Assessments (CISA) and the National Integrated Drought Information System (NIDIS). 29 pp.

K. Dow. 2011. Editorial, *Weather, Climate and Society* 3(1):5-6.

K. Dow, F. Lord, S. Tuler, & T. Webler. 2010. "Report on databases and tools available to do vulnerability assessment." SERI Report 10-004. Greenfield, MA: Social and Environmental Research Institute, Inc.

K. Lackstrom and K. Dow 2010. "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 Metropolitan Convention Center. Available at [http://www.clemson.edu/restoration/events/past\\_events/sc\\_water\\_resources/archives\\_2010/t1\\_2010\\_proceedings.html](http://www.clemson.edu/restoration/events/past_events/sc_water_resources/archives_2010/t1_2010_proceedings.html).

Mizzell, H. Carbone, G. Dow, K. and Rhee, J. Addressing Monitoring Needs for Drought Management. Proceedings of the 2010 South Carolina Water Resources Conference held October 13-14, 2010, at the Columbia Metropolitan Convention Center. Available at [http://www.clemson.edu/restoration/events/past\\_events/sc\\_water\\_resources/archives\\_2010/t1\\_2010\\_proceedings.html](http://www.clemson.edu/restoration/events/past_events/sc_water_resources/archives_2010/t1_2010_proceedings.html).

T. Webler, S. Tuler, K. Dow, and F. Lord. 2010. "Case Study Report of the Human Dimensions of the Bouchard-120 Spill in Buzzards Bay, Massachusetts." SERI Report 10-001. Greenfield, MA: Social and Environmental Research Institute, Inc.

T. Webler, S. Tuler, K. Dow, K., and F. Lord. 2010. "Case Study Report of the Human Dimensions of the DM-932 Spill in New Orleans." SERI Report 10-002. Greenfield, MA: Social and Environmental Research Institute, Inc.

T. Webler, S. Tuler, K. Dow and F. Lord. 2010. "Guidance for Incorporating Human Impacts and Vulnerabilities in Marine Oil Spill Contingency Planning." Report 10-003. Greenfield MA: Social and Environmental Research Institute.

C. Anderson, M. Dettinger, K. Dow, H. Hartmann, J. Jones, E. Miles, P. Mote, J. Overpeck, M. Shafer, B. Udall, and D. White. 2009. "Climate Services: The RISA Experience." White paper available from Author.

G. M. Garfin, D. Bathke, G. Carbone, C. W. Fraisse, C. Roncoli, K. Dow, E. Lay, H. C. Hartmann, J. Rhee, M. Crimmins, M. Higgins, and L. Demouche. 2008. "Regional knowledge transfers: coping with drought through collaboration." 17th Conference on Applied Climatology, Whistler, British Columbia. August 11-14.

K. Dow, T. Cellini, and G. DeBarbieris. 2005. "Living and Learning Sustainability." Greening the Campus IV. Muncie, IN: Ball State University,. September 14-16. pp. 93-98.

K. Dow. 2005. Steps Toward Mapping Vulnerability to Climate Change. *Directions Magazine*. July.  
[http://www.directionsmag.com/article.php?article\\_id=901&trv=1](http://www.directionsmag.com/article.php?article_id=901&trv=1)

B. Yarnal, R. O'Connor, K. Dow, G. Carbone, C. L. Jocoy. 2005. "Why don't natural resource managers use weather and climate forecasts?" Short Abstract, 15th Conference on Applied Climatology, Savannah, GA: American Meteorological Society.

Adger, N., V. Mathur and K. Dow. 2003. "Climate Vulnerability Hotspots." SEI Poverty and Vulnerability Programme, Adaptation Research Workshop Briefing Paper, Stockholm Environment Institute, Stockholm, Sweden, November, 4 pp. Available at <http://www.sei.se/risk/briefs.html>.

Dow, K. and T. J. Wilbanks. 2003. "Poverty and Vulnerabilities to Climate Change." SEI Poverty and Vulnerability Programme, Adaptation Research Workshop Briefing Paper, Stockholm Environment Institute, Stockholm, Sweden, November, 5 pp. Available at <http://www.sei.se/risk/briefs.html>.

K. Dow. 2003. "Vulnerability Profile of West Africa." Prepared for the Swedish International Development Cooperation Agency. Stockholm: Stockholm Environment Institute. (also published in French. available at <http://www.sei.se>).

K. Dow and S. L. Cutter. 2000. "South Carolina's Response to Hurricane Floyd." Natural Hazards Center Quick Response Program Report No. QR128. (7/18/2000). <http://www.colorado.edu/IBS/hazards/qr/qr128/qr128.html>.

K. Dow and S. L. Cutter. 1997. "Repeat Response to Hurricane Evacuation Orders." Natural Hazards Center Quick Response Program Report No. QR101. (10/24/1997). <http://www.colorado.edu/IBS/hazards/qr/qr101.html>

K. Dow and T. E. Downing. 1995. "Vulnerability Research: Where Things Stand." *Human Dimensions Quarterly* 1(3): 3-5.

S. Wiltshire and K. Dow. 1995. "Political and Social Considerations." In *Proceedings of the Symposium on Risk-Based Classification*, National Council on Radiation Protection and Measurements.

S. Emani, S. J. Ratick, G. E. Clark, K. Dow, R. E. Kasperson, J. X. Kasperson, S. Moser, and H. Schwartz. 1993. "Assessing Vulnerability to Extreme Storm Events and Sea-Level Rise Using Geographic Information Systems (GIS)." In: *GIS/LIS Proceedings '93*: 201-209.

Kasperson, R. E., K. Dow, D. Golding, and J. W. Kasperson, eds. 1990. *Understanding Global Environmental Change: The Contributions of Risk Analysis and Management*. Report on an International Workshop, Clark University, October 11-13, 1989. ET-90-01 Worcester, Massachusetts: The Earth Transformed Program, Clark University.

K. Dow with J. Sherman and G. A. Davis. 1988. "Tennessee Superfund after Four Years: A Critical Appraisal." Report for the Tennessee Environmental Council and the Legal Environmental Assistance Foundation.

J. R. Sullivan and K. Dow. 1985. "An Assessment of Dioxin Contamination through Chemical Usage in the Upper Wisconsin River." Bureau of Water Resources Management, Wisconsin Department of Natural Resources Publication #105-85.



### **Panel Document Reviews**

National Research Council, 2007. Review of Climate Change Science Program Draft Synthesis and Assessment Product 5.3 Decision-Support Experiments and Evaluations Using Seasonal to Interannual Forecasts and Observational Data. Washington: National Research Council, Review Panel member.

### **Book Reviews**

K. Dow. 1997. Review of The Politics of Climate Change: A European Perspective. Edited By T. O’Riordan and J. Jäeger. London: Routledge. *Global Environmental Change* 7(2):193-4.

K. Dow. 1996. Review of Oil, Economic Development, and Diversification in Brunei Darussalam. By M. Cleary and Shuang Yann Wong. NY: St. Martin’s Press. *Journal of Asian Studies* 55(4):1060-1061.

### **CONFERENCES ORGANIZED**

2016. “Second Carolinas Climate Resilience Conference. “ Hilton University Place Charlotte, NC. 12-14 September. Lead Organizer with A. Farris and K. Lackstrom.

2014. “Carolinas Climate Resilience Conference. “ Hilton University Place Charlotte, NC. 28-29 April. Lead Organizer with A. Brennan and K. Lackstrom.

2009. “Water-Ecosystem Services, Drought, and Environmental Justice.” The First Ecological Society of America Millennium Conference. Georgia Center, University of Georgia, Athens, GA. November 9-12. Organizing Committee Member.

2003. “Linking global to local scenarios of food security,” An interdisciplinary conference held at the Stockholm Environment Institute, Stockholm Sweden. June 10. Sponsored by the Poverty and Vulnerability Programme of SEI, funded by Sida. Lead organizer.

2001. “Shaping the Ecology of a City,” An interdisciplinary conference held at Columbia, South Carolina March 26-27. Sponsored by the Sustainable Universities Initiative of South Carolina. Lead Organizer.

## INVITED PRESENTATIONS

2017. "Opportunities and Challenges in Climate Adaptation." Panel Member. American Association of Geographers, Annual Meeting. Boston, Massachusetts, April 4-9.

2017. "The Role of Scientists in Producing and Defending Evidence". Panel Member. American Association for the Advancement of Science. Forum on Science and Technology Policy. Washington, DC. March 27-28.

2017. "Vanishing Shorelines: Adapting to Sea-Level Rise in the Atlantic". Panel Member. American Association for the Advancement of Science. Forum on Science and Technology Policy. Washington, DC. March 27-28.

2017. "Who is your Audience?" Panel Member. Communicating Science Seminar, American Association for the Advancement of Science Annual Meeting. Boston, Massachusetts, February 16-20. *Invited.*

2015. "Planning in Changing Coastal Environments: Adaptation to Sea Level Rise". Workshop on Managing Coastal Environments: Organizational Responses to Uncertainty. Bren School UC Santa Barbara, Santa Barbara, CA April 20-21.

2014. Climate changes and choices. Public Policy Luncheon, League of Women Voters. 16 October. Lourie Center, Columbia. SC.

2014. Climate Change Impacts and Adaptation in the Carolinas" Meeting of the Greater Piedmont Chapter of the Explorers Club. 12 September. Capital Club, Columbia, SC.

2014. "Climate 101." Climate-Friendly Parks workshop. Congaree National Park. 9-11 September. Hopkins, South SC.

2013. "Understanding and Reducing Loss and Damage Associated with Adaptation Limits." Two-page discussion paper co-authored with Frans Berkhout. Cyber-Seminar on Loss & Damage from Climate Change hosted by Population-Environment Resource Network the United Nations University-

Institute for Environment and Human Security in Bonn, Germany. 28 October- 1 November.

2013. Limits to Adaptation. International conference on Adaptation and Loss and Damage Associated with Climate Change in the Asia Pacific: Integrating Scientific Aspects. Bangkok, Thailand 30-31st, August.

2012. "Environmental Justice and Earth Stewardship" Interacting with Practitioners to Facilitate Earth Stewardship; A Symposium at the 2012 Ecological Society of America. Annual Meeting; Portland, OR. 5 – 10 August 2012.

2012. "Vulnerability and Uncertainty." NCAR Theme of the Year Workshop on: "Uncertainty in Climate Change Research: An Integrated Approach". August 6 - 17, NCAR, Boulder, CO.

2011. "The Role of Social Science." The Schneider Symposium. Boulder, Colorado. August 26-29.

2011. "Ecosystem Services: A Critical Assessment." The Cary Conference. Institute for Ecosystem Studies, Millbrook, New York. May 10-12.

2011. "Drought in the Carolinas." Oak Ridge National Laboratory, Oak Ridge Tennessee. April 20.

2010. "Climate Services for Drought Adaptation in the Carolinas." Sustainability Speaker Series, University of Oklahoma, Department of Geography, Norman, Oklahoma, October 8.

2010. "Adapting to Climate: Learning from the Carolinas' Drought Experience." Workshop on Adaptation to Climate Change: Insights from the Social Sciences. National Academies of Science, Washington, DC, April 8-9.

2009. "Social Science Perspectives on Water-Ecosystem Services, Drought, and Environmental Justice." First Ecological Society of America Millennium Conference: Water-Ecosystem Services, Drought, and Environmental Justice. The Georgia Center, University of Georgia, Athens, GA. November 9-12.

2009. "Sustainability, Tipping Points, and Land Use: Research Issues for Coastal Communities" Sea Grant Association Fall Meeting. Easton, VA. October 13-15.

2008. Invited Plenary. "NERRS, Sea Level Rise, and Social Influences and Effects." National Estuarine Research Reserve System NERRS/NERRA Annual Meeting Pacific Grove, CA. November 2-7, 2008.

2008. "Carrying Out Vulnerability Analyses," Presentation to the Western State Water Council/Western Governors Association/California Department of Water Resources. Climate Change Adaptation Policy Workshop. Irvine, CA. September 24-26.

2008. "Decision Support for Coastal Management," Presentation to the National Academy of Sciences, Study Panel on Strategies and Methods for Climate-Related Decision Support. Washington, DC. March 4-5.

2008. "Climate Change and Adaptation: Familiar Problems in a New Context," NOAA Coastal Services Colloquium, Charleston, SC. January 23.

2007. "Climate Change: Causes, Consequences, and Vulnerabilities," Ethical, Moral, and Civic Dimensions of Global Climate Change sponsored by the Center for Humans and Nature. Francis Marion Hotel, Charleston, SC. November 28.

2007. "Increasing Adaptive Capacity for Coping with Drought in the Carolinas," Texas A&M Geography Departmental Colloquium. October 19.

2007. "Regional Adaptive Strategies with Respect to Climate Variability, Climate Change, and Water Resources." NC/SC/GA 2007 Watershed Symposium. Wilmington, NC. September 19-20.

2007. "Background on Climate Change and Sea Level Rise." Balancing Public and Private Rights in the Coastal Zone in the Era of Climate: The Fifteenth Anniversary of *Lucas v. South Carolina Coastal Council*. USC Law School, Columbia, SC. September 20-21.

2007. "Implications of Climate Change." American Association of University Women Meeting. Racine, WI. September 11.

2007. "Local Adaptation to Climate Changes." ICLEI-Local Governments for Sustainability National Workshop: The Economic Benefits of Local Climate Action, Fayetteville, AR. July 10-13.

2007. "Vulnerability, Resilience, and Environmental Justice." Ecology and Environmental Justice Research across the LTER Network: Long-term and multi-scale understandings of the past, present, and future." Global Institute for Sustainability, Arizona State University, Tempe, AZ. Feb. 14-15.

2006. "Integrating Climate Science and Information with Environmental Management" With G. J. Carbone, K. Lackstrom, and D. Tufford, Colloquium for Colgate University, Department of Environmental Studies, April 7.

2006. "Vulnerability and Adaptation in Water Resources Management: Lessons for Greater Stakeholder-Scientist Collaboration" with G. J. Carbone, K. Lackstrom, and D. Tufford, Colloquium for Kansas State University, Department of Geography, January 27.

2005. "Living and Learning Sustainability: USC's Green Residence." South Carolina Urban & Community Forestry Council Annual Conference. University of South Carolina, Columbia, SC. October 14.

2005. "Supply Side Management: Stakeholders and Climate Science" G. J. Carbone, K. Dow and D. Tufford, Workshop on Science Policy Assessment and Research on Climate. Honolulu, HI August 15-17.

2005. "Demand Side and Climate Science for Decision Making" K. Dow, G. J. Carbone, and D. Tufford. Workshop on Science Policy Assessment and Research on Climate. Honolulu, HI August 15-17.

2005. "Reconciling Supply and Demand in Implementing a Research Agenda." G. J. Carbone, K. Dow, and D. Tufford. Workshop on Science Policy Assessment and Research on Climate. Honolulu, HI. August 15-17.

2005. "Climate Information and Water Management in the Carolinas." G. J. Carbone, K. Dow, D. Tufford, K. Karwan, H. Mizzell, and A. W. Badr. Presentation at NOAA Climate Program Office. Silver Spring, MD. June 13
2004. "Climate Variability and Water Resources in the Carolinas." G. J. Carbone, K. Dow, M. Janis, K. Karwan, H. Mizzell, and D. Tufford. Impact of Climate Variability on Agricultural and Natural Resource Management Symposium. Annual Meeting of the Agronomy Society of America, Seattle, WA. November 3.
2003. "Poverty and Vulnerabilities to Climate Change." With T. J. Wilbanks. A Research/Issue Brief for the UNEP Adaptation Research Workshop, Delhi, India. November 9-12.
2003. "Climate Vulnerability Hotspots." W. N. Adger, V. Mathur, and K. Dow. A Research/Issue Brief for the UNEP Adaptation Research Workshop, Delhi, India November 9-12.
2003. "Exploring the Social Justice Implications of Adaptation Strategies." with R. Kasperson and M. Bohn. Conference on Justice in Adaptation to Climate Change. Tyndall Centre, University of East Anglia, Norwich, UK. September 7-9.
2003. "Vulnerability Assessment and Identification of 'Hotspots'." Poverty Mapping Workshop organized by UNEP/GRID-Arendal. CCAB, Brussels, Belgium. May 21.
2003. "The Role of Vulnerability Analysis in Poverty Reduction Strategies for West Africa." Swedish International Development Cooperation Agency (Sida), Meeting on West Africa Regional Strategy. Lovik, Sweden. April 9-10.
2002. "Vulnerability, risk, equity, and environmental change: Recent findings from continuing efforts." Clark University, Department of Geography Colloquium, Worcester, MA. April 25.
2002. "Complementary Aspects of Sustainable Livelihoods and Vulnerability Analysis Approaches." Seminar on Sustainable Livelihood Approaches.

Swedish International Development Cooperation Agency, Environmental Policy Unit. Stockholm, Sweden. October 30.

2002. "Vulnerability of Humans to Climate Change." Meeting of the National Research Council Committee on Global Change Research in Irvine, CA. February, 13-14.

2001. Commentator, Plenary Presentation on Vulnerability. Fourth Open Meeting of the Human Dimensions of Global Environmental Change Research Community in Rio de Janeiro, Brazil, October 6-8.

2001. "Integration of 'Sustainable Development' in Mapúa Tech's Current Curriculum." Mapúa Institute of Technology, Manila, Philippines. May 29-31. Co-Leader, Workshop.

2000. "Learning from the Hurricane Floyd Evacuation in South Carolina." Emergency Information Infrastructure Technology Virtual Forum. On-line at [www.emforum.org](http://www.emforum.org). September 13 (*Virtual Forum conducted on-line*).

2000. "Fleeing from Floyd: South Carolina's Experience," with S. L. Cutter, National Hurricane Conference, New Orleans, LA. April 17-21.

1998. "Patterns in Human Impact on Urban Ecosystems." Departmental Colloquium, University of North Carolina, Chapel Hill, NC., September 28.

1998. "Urbanization and Environmental Change: Pattern and Process." Symposium on Urban Ecosystems, Annual Meeting of the Ecological Society of America. Baltimore, MD, August 5.

1998. "Repeat Response to Hurricane Evacuation Orders." Emergency Information Infrastructure Technology Virtual Forum. On-line at [www.emforum.org](http://www.emforum.org). Transcript available at the site. July 1.

1998. "Implications of Changing Resource Dependency for Vulnerability." Background paper prepared for Conference on Sustainability, Globalization, and Hazards: Enhancing Community Resilience. London, UK. May 20-22.

1998. "Crying Wolf," South Carolina Academy of Sciences, Clemson University, Clemson, SC, March 20.

1995. "Vulnerability Issues in Global Environmental Change." Commission on College Geography Workshop sponsored by the Association of American Geographers, Commission on College Geography, Clark University, Worcester, MA, June 20-25.

1993. "An Overview of Pollution Issues in the Straits of Malacca." National Meeting on the Straits of Malacca. Malaysian Institute of Maritime Affairs, Kuala Lumpur, Malaysia, November 11.

1987. "The Student Environmental Health Project Model." Conference on Community Toxic Awareness for Historically Black Colleges and Universities, Florida State University, Tallahassee, FL. September.

#### **INVITED WORKSHOP PARTICIPATION**

2015. Aspen Global Change Institute Workshop on Risk and Resilience.

2015. Workshop on Managing Coastal Environments: Organizational Responses to Uncertainty. Bren School UC Santa Barbara, Santa Barbara, CA April 20-21.

2010. Workshop on Adaptation to Climate Change: Insights from the Social Sciences. National Academies of Science, Washington, DC. April 8-9.

2008. Workshop on the Future Priorities for the U.S. Climate Change Science Program. National Academy of Sciences, Committee on Strategic Advice to the U.S. Climate Change Science Program. National Academy of Science, Boulder, CO. March 19-20.

2007. Workshop on the Future Priorities for the U.S. Climate Change Science Program. National Academy of Sciences Committee on Strategic Advice to the U.S. Climate Change Science Program. National Academy of Science, Washington, D.C. October 15-17.



2007. Cary Conference on “Resilience in Ecology and Urban Design: Synergies for Theory and Practice in the Urban Century.” Institute for Ecosystem Studies, Millbrook, NY. May 1-3.

2007. “Ecology and Environmental Justice Research across the LTER Network: Long-Term and Multi-Scale Understandings of the Past, Present, and Future.” Global Institute for Sustainability, Arizona State University, Tempe, AZ. February 14-15.

2007. “Developing and Evaluating Social Science Approaches for the Baltimore Ecosystem Study LTER: Local Focus, Global Thinking.” Admiral Fell Inn, Baltimore, MD. January 16-18.

2006. “The Nation’s Coasts: A Vision and Action Agenda for the Future.” 2006. Sponsored by the Heinz Center and the Center for Humans and Nature. Mepkin Abbey, SC. December 5.

2006. “Workshop on Assessing Progress of the Climate Change Science Plan.” National Academy of Sciences, Scripps Institution of Oceanography. La Jolla, CA. Sept. 14-15.

2005. The 11th Japan-U.S. Workshop on Global Change, “Biodiversity, Ecosystem Function, and Dynamic Human-Nature Interactions” Oct. 31-Nov. 2, 2005. Sponsored by the Ministry of Education, Culture, Sports, Science and Technology and National Science Foundation Directorates for Biological Sciences and Geosciences, Yokohama, Japan.

2005. Vulnerability and Human Well-being: A scientific workshop about vulnerability frameworks and their application in the assessment of cross-cutting issues. Nicoya, Costa Rica, in preparation for UNEP GEO 4 report, chapter 3 on vulnerability. January 31-February 2.

2004. First meeting of the Sustainable Mekong Research Network, sponsored by SEI –Asia. Bangkok, Thailand, August. Served on the Steering Committee of SEI-Asia, 2004-2005.

## **PAPERS PRESENTED**

2019. "Residents Flood Adaptation Actions and Questions". In Science and engagement co-production around compounding climate risks and impacts in the Charleston, SC region. Fourth National Adaptation Forum. Madison, Wisconsin 23-25 April.

2019. "Fourth National Climate Assessment: Key Findings for the Southeast" Southeast & Caribbean Climate Community of Practice Workshop. Wrightsville Beach, NC April 1-3.

2017. Dow, K., P. Glick, E. Chin, B. Stein, K. Clark, N. Peterson. Integration of Climate Change in Southeastern State Wildlife Action Plans: Assessing Challenges and Opportunities for Future-Oriented Conservation. 71<sup>st</sup> Annual Meeting of the Southeast Association of Fish and Wildlife Agencies. Louisville, Kentucky, October 29- November 1.

2017. Dow, K., K. Lackstrom, and E. Chin. "Incorporating Climate Change into State Wildlife Action Plans: Progress in the Southeastern US." American Association of Geographers, Annual Meeting. Boston, Massachusetts, April 4-9. Dow, K. and K. Lackstrom. "Assessing Needs and Decision Contexts: RISA Approaches to Engagement Research." Southeastern Division of the Association of American Geographers. November 20-22. Columbia, SC.

2016. Dow, K. "Putting Climate in Context: The Social Science Role in Developing Decision-Relevant Science for Climate Adaptation." Invited presentation for the Mitigation & Adaptation Research Institute Seminar Series, Old Dominion University, April 11 Norfolk, VA.

2015. Dow, K. "Assessing Needs and Decision Contexts: RISA Approaches to Engagement Research." 21<sup>st</sup> International Symposium on Society and Resource Management (ISSRM), June 15-18, Charleston, SC.

2014. Darby, L., K. Dow, K. Lackstrom, A. Brennan, D. Tufford, P. Conrads, M. Childress, R. Boyles, and D. Chalcraft. "Expanding on successful activities to enhance drought information for the coastal Carolinas." AMS 21<sup>st</sup> Conference on Applied Climatology, June 9-13, Westminster, CO.

2014. Dow, K., B. Haywood, K. Lackstrom, and N. Kettle. "The Role of Ad Hoc Networks in Supporting Climate Adaptation." Association of American Geographers Annual Meeting, April 8-12, 2014, Tampa, FL.

2014. K. Dow, A. Brennan, K. Lackstrom, and D. Ferguson. "Linking Drought Impacts Information to Decision Making: Identifying Gaps and a Framework for Moving Forward." 94<sup>th</sup> Meeting of the American Meteorological Society. Atlanta, GA. 2-6, February.

2014. A. Brennan, B. Haywood, K. Lackstrom, and K. Dow. "Improving Understanding of Drought Impacts in Coastal Ecosystems through Citizen Science." 94<sup>th</sup> Meeting of the American Meteorological Society. Atlanta, GA. 2-6, February.

2014. K. Lackstrom, A. Brennan, B. Haywood, and K. Dow. "Improving Understanding of Drought Impacts in Coastal Ecosystems." 94<sup>th</sup> Meeting of the American Meteorological Society. Atlanta, GA. 2-6, February.

2013. K. Dow. "A Risk-Based Approach to Assessing Limits to Adaptation, Southeast Division of the AAG Roanoke, VA. 25-26 November.

2012. K. Dow, S. Tuler, T. Webler, J. Whitehead, and N. Kettle. "Developing Vulnerability and Consequence Planning Scenarios for Adaptation." 2012 Adaptation Futures Conference. Tucson, Arizona, 29-31 May

2012. Haywood, B., A. Brennan, K. Lackstrom, N. Kettle, K. Dow. "Framing Climate Change in the Carolinas: The Influence of Perceived Risks, Institutional Priorities, and Public Support." 2012 International Adaptation Futures Conference. Tucson, AZ. 29-31 May.

2011. "Assessing climate-sensitive sectors, decisions, and peoples in the Carolinas." K. Lackstrom, B. Haywood, K. Dow, S. Ferguson, D. Foster, N. Kettle, C. Rappold, and E. Weeks. AMS Conference on Climate Adaptation: Practical Solutions for a Warming World. Asheville, NC. July 18-20.

2011. "Building and comparing stakeholder databases and networks across RISAs." L. Dilling, K. Dow and M. C. Lemos. AMS Conference on Climate Adaptation: Practical Solutions for a Warming World. Asheville, NC. July 18-20.

2011. "Integration of Local Planners' and Scientists' Knowledge of Consequences, Vulnerabilities, and Adaptation Strategies to Climate Change Related Hazards." S. Tuler, T. Webler, K. Dow, N. Kettle, K. Miller, and J. Whitehead. Annual Meeting of the American Meteorological Society. Seattle, WA. January 24-27.

2010. "Climate Vulnerability, Adaptation, and Insights from Risk Management." K. Dow. Annual Meeting of the Association of American Geographers. Washington, DC. April 14-18.

2009. "Understanding Drought Impacts in the Carolinas." K. Dow. Annual Meeting of the Association of American Geographers, Las Vegas, NV. March 22-27.

2008. "The Regional Integrated Sciences and Assessments (RISA) Program, Climate Services, and Meeting the National Climate Change Adaptation Challenge." J. T. Overpeck, B. Udall, E. Miles, K. Dow, C. Anderson, D. Cayan, M. Dettinger, H. Hartmann, J. Jones, P. Mote, A. Ray, M. Shafer, and D. White. American Geophysical Union Fall Meeting. San Francisco, CA, December 15-19.

2008. "Developing a Drought Impact Reporting System for the Carolinas." K. Dow, G. J. Carbone, G. Garfin, and M. Crimmins. 2008 South Carolina Water Resources Conference. Charleston Area Event Center, Charleston, SC, October 14-15.

2008. "Impacts of Climate Anomalies on Water Resources in the Carolinas." D. Tufford, G. Carbone, J. Hussey, and K. Dow. Climate Prediction Application Science Workshop. Chapel Hill, NC, March 4-7.

2008. "Adaptation to Sea Level Rise and Associated Coastal Hazards." K. Dow. South Carolina Shoreline Change Advisory Committee Meeting. Bluffton, SC, February 21.

2008. "RISA Regional Drought Knowledge Transfers: Southeast/Southwest." G. Garfin, H. Hartmann, E. Lay, K. Dow, C. Fraisse, G. Carbone, D. Bathke, L. Demouche, M. Higgins, C. Roncoli, J. Rhee, M. Crimmins, V. Cabrera, M. Marsalis, A. Olsson, R. Vazquez, M. Bean, A. Thwaites. Climate Prediction Application Science Workshop. Chapel Hill, NC, March 4-7.
2007. "User Evaluation of Drought Mapping." K. Dow, R. L. Murphy, G. J. Carbone, J. Rhee, Association of American Geographers, San Francisco, CA, April 17-21.
2007. "User Awareness of Uncertainty in an Online Mapping Tool: The Dynamic Drought Index for Basins in North and South Carolina." R. L. Murphy, K. Dow, J. Rhee, G. J. Carbone. Association of American Geographers, San Francisco, CA, April 17-21.
2006. "Ecological Impacts of Global Climate Change." K. Dow. Annual Spring Meeting of the South Carolina Outdoor Writers Association. Lexington Public Library, Lexington, SC, June 10.
2006. "LID Happened! How We Got Here and Where We Are Now." The Midlands Low Impact Development Workshop. K. Dow and M. Koman. Columbia, SC, March 13.
2006. "Living Amid Landmines: Vulnerability and Human Security in Post-war Societies." K. Dow and C. Dahlman. Annual Meeting of the Association of American Geographers. Chicago, IL, March 7-11.
2005. "Improving Climate Information for Hydroelectric Dam Re-licensing." K. Dow, G. J. Carbone, D. Tufford, H. Mizzell, J. Rhee, and K. Lackstrom. Climate Change Science Workshop. US Climate Change Science Program. Washington D.C., November 14-16, 2005. (selected presentation)
2005. "Living and Learning Sustainability." K. Dow, T. Cellini, and G. DeBarbieris. Greening the Campus IV. Ball State University, Muncie, IN, September 14-16.

2005. "Perspectives on the utility of climate information in water resources management in the Southeast US." K. Dow, G. J. Carbone, K. Karwan, H. Mizzell, D. Tufford, K. Lackstrom. Annual Meeting of the Association of American Geographers. Denver, CO, April 6-9.
2005. "The Role of Climate Information in the FERC Hydro Licensing Process" K. Dow, K. Karwan, G. Carbone, K. Lackstrom, H. Mizzel, and D. Tufford. NOAA Climate Prediction Applications Workshop. Columbia University, Palisades, NY, March 15- 17.
2004. "Scenarios of Water Scarcity and Predictions of Environmental Refugees: Reviewing the Evidence" K. Dow, G. Han, and K. Hallding. Centennial Meeting of the Association of American Geographers. Philadelphia, PA, March 15-19.
2004. "Drought Forecasting in South Carolina." G. J. Carbone and K. Dow. Centennial Meeting of the Association of American Geographers, Philadelphia, PA, March 15-19.
2003. "Increasing Integrative Analytical Capability: Addressing Multiple Challenges in Vulnerability Analysis." K. Dow and R.E. Kasperson. Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Quebec, Canada, October 15-18, 2003.
2002. "Who wants climate forecasts? Community water system managers' perceptions of their need for climate in-formation." R.E., O'Connor, K. Dow, B. Yarnal, C. Jacoy, G. Carbone, and A. Heasley. Mississippi River Climate and Hydrology Conference, New Orleans, LA, May 13-17.
2002. "Water Managers' Confidence in Weather and Climate Forecasts." Annual Meeting of the Association of American Geographers and R. E. O'Connor, G. J. Carbone, B. Yarnal, R. Bord, C. Jacoy, and S. L. Cutter Los Angeles, CA, 19-23 March, 2002.
2001. "The Potential of Long-Lead Climate Forecasts to Reduce Local Vulnerability to Variations in Interseasonal Climate." K. Dow, S. L. Cutter, G. J. Carbone. B. Yarnal, R. O'Connor, and D. Bord. Fourth Open Meeting of the

Human Dimensions of Global Environmental Change Research Community in Rio de Janeiro, Brazil, October 6-8.

2001. "Use of Long-Lead Climate Forecasts for Water System Management." K. Dow and G. J. Carbone. 2001 South Carolina Environmental Conference, Myrtle Beach, SC March 18-21.

2001. "Vulnerability of Community Water Systems." Annual Meeting of the Association of American Geographers. New York, NY, February 27 - March 3.

2000. "Sizing Up Floyd: South Carolinians' Evacuation Decisions." K. Dow and S. L. Cutter, in the Aftermath of Hurricane Floyd: Recovery in the Coastal Plain Conference. East Carolina University, Greenville, NC, May 24-26.

2000. "Which Came First? Behind Current Environmental Justice Issues in 8 Cities." Annual Meeting of the Association of American Geographers, Pittsburgh, PA. April 4-8.

1999. "Longitudinal Analysis of Environmental Justice." K. Dow and Y. Zhou, Annual Meeting of the Society for Risk Analysis. Atlanta, GA, December 5-8.

1999. "Riding Out the Storm: Risk Rational Decisions about Hurricane Evacuation." K. Dow and S. L. Cutter, Annual Meeting of the Southeastern Division of the Association of American Geographers. Tampa, FL, November 21-23.

1999. "To Stay or Leave: Residents' Evaluation of Hurricane Evacuation Warnings." K. Dow, P. Burns, and S.L. Cutter. Applied Geography Conference. Charlotte, NC, October 13-16.

1999. "Paths and Patches in Urban Areas." K. Dow. Annual Meeting of the Association of American Geographers. Honolulu, HI, March 23-28.

1998. "Repeat Response to Hurricane Evacuation Orders." K. Dow and S. L. Cutter. Annual Meeting of the Association of American Geographers, Boston, MA, March 25-29.

1997. "Marine Transportation and Rights of Passage." Annual Meeting of the Association of American Geographers, Ft. Worth, TX, April 1-5.

1996. "Changing Vulnerability By Changing Resource Relations: The Connections Across Scales In Malaysia." Annual Meeting of the Association of American Geographers, Charlotte, NC, April 7-13.

1995. "How Small-Scale Fishermen Cope: An Analysis of Vulnerability and Resource Dependency in Malaysia." The First Open Meeting of the Human Dimensions of Global Environmental Change Community, Duke University, Durham, NC, June 1-3.

1994. "Vulnerability Analysis in the Straits of Malacca." Society for Risk Analysis Annual Meeting, Baltimore, MD, December 4-7.

1991. "Mixing Oil and Water: Risk, Resources, and Development in the Straits of Malacca." Association of Asian Studies Regional Meeting, Dartmouth College, Hanover, NH, November.

1990. "Changing Mosaics: Patterns of Vulnerability and Distributions of Risks," Society for Risk Analysis Annual Meeting, New Orleans, LA, October 7-10.

1990. "Concepts of Environmental Crisis," Association of American Geographers Annual Meeting, Toronto, Ontario, April 19-22.

#### **TRAININGS CONDUCTED**

2013. Kirstin Dow and Tom Webler. Initiating Adaptation Planning with the Vulnerability and Consequences Adaptation Planning Process (VCAPS). National Adaptation Forum. Denver, Colorado, April 2-4.

#### **PANEL PARTICIPATION**

2019. "The Fourth National Climate Assessment and IPCC Special Report on the impacts of global warming: A panel discussion of the science-public policy dimensions of climate change assessments." Panel Member. Annual Meeting of the Association of American Geographers. Washington, DC, April 3-7.



2011. "Responding to the Gulf Oil Spill: Vulnerability, Resilience, and Strategic Science." Panel Member. Annual Meeting of the Association of American Geographers. Seattle, Washington April 12-16.

2011. "Putting Geography into Practice and the U.S. National Climate Assessment." Annual Meeting of the Association of American Geographers. Panel Member. Seattle, Washington April 12-16.

2010. "Human Dimensions of Global Environmental Change Plenary Panel Showcasing Human Dimensions Scholarship. Part II: Urban Areas." Panel Member. Annual Meeting of the Association of American Geographers. Washington, DC, April 14-18.

2010. "Climate Literacy 2." Panel Member. Annual Meeting of the Association of American Geographers. Washington, DC, April 14-18.

2007. "Bringing Geography to the World." Panel Discussant. Annual Meeting of the Association of American Geographers. San Francisco, CA, April 17-21.

2006. "Author meets Critics: Craig Colten's *An Unnatural Metropolis*." Panel Discussant. Annual Meeting of the Association of American Geographers. Chicago, IL, March 7-11.

2006. "Career Trajectories in Geography." Panel Discussant. Annual Meeting of the Association of American Geographers. Chicago, IL, March 7-11.

2006. "Frontiers in Human-Environment Geography 1. Theory, Concepts, and Methods in Human-Environment Studies." Panel Discussant. Annual Meeting of the Association of American Geographers Chicago, IL, March 7-11.

2006. "Vulnerability and Risk Analysis for Decision-Making: Can a National Strategy be Developed?" Panel Discussant. Annual Meeting of the Association of American Geographers. Chicago, IL, March 7-11.

2002. "Engaging Geography in Urban Ecology." Panel Discussant. Annual Meeting of the Association of American Geographers. Los Angeles, CA, March 19-23.

2001. "Current Initiatives in Urban Ecology." Panel Discussant. Annual Meeting of the Association of American Geographers. New York, NY, February 27 - March 3.

1998. "Hazards Geography Since 'The Environment as Hazard': Growth and Prospects, 1978-1998." Panel Discussant. Annual Meeting of the Association of American Geographers, Boston, MA, March 25-29.

1996. "Linking Theory and Practice: New Answers to Old Problems." Panel Member. Hazards Specialty Group, Association of American Geographers. Pre-Conference Meeting, Charleston, SC, April 6.

1995. "Improving Your Inside Game: A View from the Trenches on Effective Use of the Public Involvement Process." Panel Member. 1995 New England Environmental Conference, Tufts University, Medford, MA, March 18-19.

#### **POSTER PRESENTATIONS**

2017. "Evaluating Climate Change Planning for Longleaf Pine Ecosystems in the Southeast United States". Clark, K., E., Chin, E., Peterson, M. N., Dow, K., Lackstrom, K. & Cubbage, F. International Symposium on Society and Resource Management, June, Umeå, Sweden.

2013. "Developing a NIDIS Drought Early Warning Information System for Coastal Ecosystems in the Carolinas". Darby, L., A. Brennan, P. Conrads, D. Tufford, K. Dow, K. Lackstrom, R.S. Pulwarty, R.S. Webb, J.P. Verdin, C.A. McNutt, and V. Dehez. American Geophysical Union Fall Meeting, December 9-13, 2013, San Francisco, CA.

2010. "Supporting Drought Adaptation through Stakeholder Engagement." G. J. Carbone, K. Dow, D. Tufford, S. Chhotray, L. Felker, N. Fisher, J. Fowler, N. Kettle, K. Lackstrom, and K. Miller. NOAA in the Carolinas, Asheville, NC, April 21-22.

2010. "Supporting Coastal Adaptation through Stakeholder Engagement." G. J. Carbone, K. Dow, D. Tufford, S. Chhotray, L. Felker, N. Fisher, J. Fowler, N.

Kettle, K. Lackstrom, and K. Miller. NOAA in the Carolinas, Asheville, NC, April 21-22.

2010. "Interpreting Sea Level Rise Maps." N. Kettle, S. Chhotray, K. Dow, and J. Whitehead. NC DENR and NC DCM Sea Level Rise Science Forum. Raleigh, NC, January 14-15.

2009. "A Dasymeric Approach to Mapping Changes in the Distribution of Urban Flooding Risks, Baltimore, Maryland (1950-2000)." K. Dow, K., J. M. Grove, S. Murdoch, J. O'Neill-Dunn, C. Boone, and G. Buckley. LTER –All Scientists Meeting. Estes Park, CO, September 14-16.

2009. "Addressing Monitoring Needs for Drought Management." H. Mizzell, G. J. Carbone, K. Dow, and J. Rhee. Association of State Climatologists Meeting. Grand Rapids, MI, July, 12-15.

2008. "Evolution of a Drought Monitoring Tool." G.J. Carbone, K. Dow, and J. Rhee. American Geophysical Union Fall Meeting. San Francisco, CA, December 15-19.

2008. "The Dynamic Drought Index Tool." R. Boyles, G. J. Carbone, A. DeGaetano, K. Dow, H. Mizzell, J. Rhee, and P. Robinson. Annual Meeting of the American Association of State Climatologists. Burlington, VT, July 7-10.

2006. "Use of a Dynamic Drought Index Tool in the FERC Relicensing Process." G. J. Carbone, H. Mizzell, J. Rhee, and K. Dow. Managing Drought and Water Scarcity in Vulnerable Environments: Creating a Roadmap for Change in the United States. Longmont, CO, September 18-20.

2005. "Barriers to Weather and Climate Forecast Use by Community Water System Managers." B. Yarnal, R. E. O'Connor, K. Dow, C. Jacoy, and G. J. Carbone. Climate Change Science Program Workshop. Washington, DC, November 14-16.

2005. "Climate Information and Water Management in the Carolinas." G. J. Carbone, K. Dow, D. Tufford, K. Karwan, B. Badr, and H. Mizzell. Biodiversity, Ecosystem Function, and Dynamic Human-Nature Interactions, 12th Japan-U.S.

Workshop on Global Change, Sponsored by the Ministry of Education, Culture, Sports, Science and Technology and National Science Foundation Directorates for Biological Sciences and Geosciences, Yokohama, Japan, October 31-November 2.

2004. "Human Dimensions of Global Change Specialty Group." K. Dow. Poster presentation in the "Hall of History" The Centennial Meeting of the Association of American Geographers. Philadelphia, PA, March 15-19.

2002. "Communicating Drought Severity with Seasonal Forecasts." G. J. Carbone, K. Dow, B. Yarnal, R. E. O'Connor, and S. Cutter. Poster presentation at Human Dimensions of Global Change Research Program (HDGC) Principal Investigator's (PI) Meeting, Seabrook Island, SC, October 24.

#### **CONFERENCE SESSIONS ORGANIZED**

2019. Science and engagement co-production around compounding climate risks and impacts in the Charleston, SC region. Fourth National Adaptation Forum. Madison, Wisconsin 23-25 April.

2017. Peering into the Future of Southeastern Wildlife Conservation: Understanding Key Drivers of Landscape Changes. With Bruce Stein, Bill Reeves, and Nils Petersen. 71<sup>st</sup> Annual Meeting of the Southeast Association of Fish and Wildlife Agencies. Louisville, Kentucky, October 29- November 1.

2013. Climate and Society: Sessions I and II. With Kirsten Lackstrom. Southeast Division of the AAG. Roanoke, VA. 25-26 November.

2009. "Reducing the Threat of Drought: Better Understanding Drought Impacts and Risk Management Options." K. Dow and C. L. Knutson. Association of American Geographers, Las Vegas, NV, March 22-27.

2001. "Vulnerability: Categories, Situations, and Circumstances," Annual Meeting of the Association of American Geographers. New York, NY, February 27 - March 3.

2001. "Reflecting on Some Human-Environmental Geographies: Commonalities, Differences, Changes II." K. Dow and A. Slyuter. Annual Meeting of the Association of American Geographers. New York, NY. New York, NY, February 27 - March 3.

2001. "Hazards Specialty Group Keynote Address by Dr. Ted Steinberg." Annual Meeting of the Association of American Geographers. New York, NY, February 27 - March 3.

2001. "Current Initiatives in Urban Ecology." Annual Meeting of the Association of American Geographers. New York, NY, February 27 - March 3.

2000. "Science, Policy, and Public Interests: Lessons for Geographers from Recent Environmental Hazards Initiatives." Annual Meeting of the Association of American Geographers. Pittsburgh, PA, April 4-8.

1997. "Linkages Between Sustainability and Vulnerability." K. Dow and W. Solecki. Annual Meeting of the Association of American Geographers, Ft. Worth, TX. April 1-5, 1997.

### **GRANTS (Total Approximately \$11,000,000)**

2017. University Consortium Principal Investigator, Department of Interior, Southeast Regional Climate Center located at North Carolina State University. 2017-2022. Consortium members may compete for research funding.

2016. "Building Adaptive Capacity in the Carolinas: The Carolinas Integrated Sciences & Assessments (CISA) Program" NOAA-CPO-RISA \$3,754,976 total. 9/1/2016- 8/31/2021. K. Dow Lead-PI; G. Carbone, K. Lackstrom, C. Konrad, Co-PIs.

2016. Subcontract to "Advancing Understanding of Risk: Expanding the Use of Elevation Certificates in Damage Assessments and Resilience Planning." Sea Grant and Office of Coastal Management fall for South Atlantic Regional Research on Coastal Community Resilience- South Carolina Component. (year 1 \$37,376. 7/1/16-6/30/17 – extended due to hurricanes and delayed delivery of funds

2016. "Subcontract to Building Community Resilience to Water-Related Hazards in the Charleston, SC, Resilience Network Initiative", NOAA-NOS, \$510,319 total, \$85,975 USC portion, 1/1/16-12/31/2018

2015. "Subcontract to Conservation Adaptation Planning for Landscape and Climate Changes", Department of Interior Southeast Climate Science Center, USGS G15AP00162, \$381,342 USC portion, 10/1/15/-9/31/2018. PI: K. Dow Co-PI J. Kupfer.

2015. A Public Health Risk Assessment of Vulnerable Water Infrastructure in Coastal Communities, NOAA-CPO-COCA, NA15OAR4310111, 9/1/15-8/31/2017. No support requested. K. Dow, Co-PI.

2015. "Coastal Well-Being, Adaptation, and Sustainability". USC, Office of the Provost. 1/2015 -10/15. PI: K. Dow.

2011. "Carolinas Integrated Sciences and Assessments." NOAA, Climate Programs Office. PI: K. Dow; Co-PIs: G.J. Carbone, C.E. Konrad, D. Tufford, J. Whitehead. 9/2011-8-2016. \$3,752,037.

2010. "Doctoral Dissertation Improvement Grant in Decision, Risk, Management Sciences." National Science Foundation. PI: K. Dow; Co-PI: N. Kettle. \$9,840.

2009. "Informing Coastal Management Adaptation Planning and Decision Making for Climate Change Using an Interactive Risk-based Vulnerability Assessment Tool." PI: S. P. Tuler; Co-PIs: K. Dow, T. Webler and J. Whitehead. NOAA Sectoral Applications Research Program. \$206,345.

2008. "Social disruption from oil spills and spill response: Characterizing effects, vulnerabilities, and the adequacy of existing data to inform decision-making." PI: T. Webler; Co-PIs: S. P. Tuler and K. Dow. NOAA Coastal Research Center. \$249,339.

2008. "Implementation of a drought mapping tool in the eastern United States." PI: G. J. Carbone. Co-PIs: A. DeGataneo, K. Dow, H. Mizzell, J. Rhee. NOAA-Transitions to Climate Services, \$249,570.

2008. "Assessing the Impact of Salt-Water Intrusion in the Carolinas Under Future Climatic and Sea-Level." PI: J. Whitehead. Co-PIs: D. Tufford, K. Dow, P. Conrads, G. Carbone, and NOAA, Sectoral Applications Research Program (SARP) \$291,317.

2006. "Integrating Climate Science and Water Management in North and South Carolina." PI: G. Carbone. Co-PIs: K. Dow, D. Tufford, A.W.B. Badr, and H. Mizzell. NOAA, Climate and Global Change Program, Regional Integrated Sciences and Assessments (RISA), *5-year renewal* \$997,425.

2006. "The Carolinas Coastal Climate Outreach Initiative." Submitted to NOAA National Sea Grant College Program Office. PI: M. R. DeVoe, Co-PIs R. H. Bacon, G. J. Carbone. Associate Investigators: Coastal Climate Extension Specialist (TBH), J. F. Thigpen III, D. Tufford, K. Dow, W. F. Clark, JD. \$300, 000.

2004. "Poverty and Vulnerability Programme: Phase 2" Swedish International Development Cooperation Agency on behalf of the Stockholm Environment Institute, 8,000,000 Swedish Kronor (Approx. US \$1,053,879).

2003. "Integrating Climate Science and Water Management in North and South Carolina." PI: G. Carbone, Co-PIs: K. Dow, M. Janis, K. Karwan, D. Tufford, and H. Mizzell. NOAA, Climate and Global Change Program, Regional Integrated Sciences and Assessments (RISA), \$405,163.

2001. "Urban Ecology and Community Education in the University Of South Carolina's A.C. Moore Garden." South Carolina Forestry Commission, \$9,300.

2000. "Shaping the Ecology of a City Workshop." Sustainable Universities Initiative, South Carolina, \$9,380.

1999. "Decision-Making and Long-Lead Forecasts: A Case Study in Community Water System Management." NOAA, Climate and Global Change Program, Economics and Human Dimensions of Climate Fluctuations. PI: B. Yarnel, Co-PIs R. Bord, G. J. Carbone, S.L. Cutter, K. Dow, and R. E. O'Connor \$320,000 total (\$135,000 to USC).

1999. "Evacuation Experiences of Coastal Residents in South Carolina." Natural Hazards Research and Applications Information Center with S. L. Cutter, Co-PI, \$500.

1997. "Subsidized Inequities: The Spatial Patterning of Environmental Risks and Federally-Subsidized Housing." US Department of Housing and Urban Development PI: S. L. Cutter, Co-PIs K. Dow and M. E. Hodgson (co-PI), \$50,000.

1997. "Local Dynamics of Environmental Justice." Research and Productive Scholarship Grant, University of South Carolina, Sponsored Programs and Research Office, \$2,370.

1996. "Crying Wolf: Repeat Response to Hurricane Evacuation Orders." PI: S. L. Cutter and K. Dow. Natural Hazards Research and Applications Information Center. \$1,400.

1991. National Science Foundation, Decision, Risk and Management Sciences and Geography and Regional Sciences Programs Doctoral Dissertation Grant, PI: R. E. Kasperson, Co-PI, K. Dow. \$4,380.

## **PROFESSIONAL ACTIVITIES**

2018– Member, Organizing Committee for the Climate Prediction Applications Workshop, NOAA, National Weather Service, Climate Services, scheduled for Charleston in June 2019

2016– NOAA Science Advisory Committee, **Climate Working Group Member**. Term until 2019.

2013– North Carolina Building Resilience Against Climate Effects. **Advisory Committee Member**.

2013–2015. Southeast Climate Science Center Science, **Advisory Committee Member**.

12/2012–2013. US National Climate Assessment. **Lead Author**, Sustained Assessment Working Group.

10/2012–2014. Intergovernmental Panel on Climate Change, Lead Author, AR5 Working Group 2, Summary for Policy Makers.

3/2012–2013. US National Climate Assessment. **Lead Author**, Research Needs Chapter.



- 6/2010–2014. Intergovernmental Panel on Climate Change, Fifth Assessment Report (AR5), Working Group 2. **Lead Author**, Chapter 16 Adaptation Opportunities, Constraints, and Limitations. **Contributing Author**, Chapter 5 Coasts.
- 8/2008–7/2013. National Academy of Sciences. **Member**, Board on Atmospheric Sciences and Climate.
- 2008–2012. Baltimore Ecosystem Study, **Co-PI**, NSF Long-Term Ecological Research Network.
- 2009–2010. Association of American Geographers, **Chair**, Nystrom Award Committee.
- 2008–2009. Association of American Geographers, **Member**, Nystrom Award Committee.
- 7/2007–6/2008. Association of American Geographers, **Member** Finance Committee, Publications Committee.
- 7/2004–6/2007. Association of American Geographers, **National Councilor**.
- 7/2006–6/2007. Association of American Geographers, **Treasurer, ex officio member** Committee on Committees, Finance Committee (Chair), Publications Committee, Committee on College Geography, Research Grants Committee.
2003. International Advisory Committee, **Member**. START/IIASA Advanced Institute on Vulnerability to Global Environmental Change.
- 2002–2004. Association of American Geographers, Human Dimensions of Global Environmental Change Specialty Group, **Secretary/Treasurer** (Chair-elect) (Resigned to become AAG councilor).
- 1999–2001. Association of American Geographers, Hazards Specialty Group, **Chair**.
2001. Association of American Geographers, Southeastern Division, **Program Committee**.
- 1999–2000. Association of American Geographers, Southeastern Division, **Honors Committee**.
- 1997–2001. Association of American Geographers, Human Dimensions of Global Environmental Change Specialty Group, Student Paper Competition. **Judge**.
- 1997–1999. Association of American Geographers, Hazards Specialty Group, **Board of Directors**.

## **Editorship**

*Weather, Climate, and Society*, Journal of the American Meteorological Society  
(term 11/2009–2015)

## **Editorial Boards**

*Climate Risk Management* (terms 2013-2016; 2018-2021)

*Annals of the Association of American Geographers* (term 2008-2011)

*The Professional Geographer* (term 2009-2010)

*Southeastern Geographer* (term 2004-2006; 10/2015-9/2017)

## **Peer Reviewer for Professional Journals (incomplete)**

*Annals of the Association of American Geographers* (9); *Bulletin of the American Meteorological Society* (1); *CAGIS* (1); *Climate Research* (1); *Climate Risk Management* (1); *Climatic Change* (6); *Ecological Economics* (2); *Ecology & Society* (2); *Economic Geography* (3); *Environment and Planning A* (1); *Environmental Hazards* (3); *Environmental Science & Policy* (1); *Frontiers in Ecology and the Environment* (1); *Geoforum* (1); *Geographical Review* (2); *Global Environmental Change* (4); *International Journal of Mass Emergencies and Disasters* (1); *Journal of Climate* (1); *Journal of Risk Research* (1); *Local Environment* (1); *Natural Hazards Review* (3); *Nature Climate Change* (1); *Proceedings of the National Academy of Science* (3); *Physical Geography* (1); *Science* (1); *The Professional Geographer* (4); *Regional Environmental Change* (1); *Southeastern Geographer* (1); *Weather, Climate, and Society* (1)

## **Mail Reviewer for Grant Proposals**

National Science Foundation (10), National Oceanic and Atmospheric Administration (6), Alabama/ Mississippi Sea Grant (1); Center for Disaster Management and Humanitarian Assistance (1); North Carolina Sea Grant (1); Periship Dissertation Fellowship in Hazards, Risk, and Disasters (1); AAG Dissertation Research Awards 2007 (28); Social Science and Humanities Research Council of Canada 2007 (1);

## **Review Panel Participation**

European Commission 5th Framework; National Science Foundation, Human and Social Dynamics; NOAA TRACS Program; National Science Foundation, Coupled Human-Natural Systems; NOAA Climate Program Office (2 panels); National Estuarine Reserve Research Program

### **Book and Book Proposal Reviewer**

Arnold Academic Publishers (1), Oxford University Press (1), Prentice-Hall (1)  
Blackwell (1)

### **Other Reviews**

Union of Concerned Scientists (1); Social and Economic Research Institute (1);  
Climate Impacts Group (1)

2010. National Research Council review.

2007. National Research Council review of U.S. Climate Change Science  
Program, Synthesis and Assessment Product 5.3, Decision-Support Experiments  
and Evaluations using Seasonal to Inter-annual Forecasts and Observational Data

2007. National Research Council report on design issues for the NOAA Sector  
Applications Research Program

2006. National Research Council workshop on CCSP Evaluation Metrics

### **UNIVERSITY SERVICE**

2013–2015. President's Sustainability Council.

2010–2011. Search Committee for the Dean of the Honors' College

2004–2011. President's Environmental Advisory Committee

2008–2009. Provost's Office, Committee on Interdisciplinary Research

2006. Provost' Office, Chair, Committee on Transition of the School of the  
Environment to the College of Arts and Sciences

2005. Provost' Office, Chair, Committee on Development of  
Undergraduate Environmental Science and Environmental Studies  
Majors

2005. Provost's Office, Member, Review for Faculty Principal of the  
Preston Residential College

2004–2006. Principal, Green Quad, Living-Learning Center for Sustainable  
Futures

2004–2005. Carolina Collaborative Research Fellowship, Development  
Committee

2000–2002; 2004–2005. Faculty Senate

- 2000–2002. Faculty Advisor to Students Allied for a Greener Earth (SAGE)
- 1999–2002. Chair, A.C. Moore Garden Bicentennial Restoration Committee
- 1998–2002; 2004–2006. School of the Environment, Committee on the Undergraduate Minor (Director 2001–2002)
- 1998–2002; 2004–2005. Udall Scholarship Committee

### **COLLEGE SERVICE**

- 9/2012–5/2015. Dean’s Academic Planning Council
- 2009–2016. Faculty Advisory Committee, School of Earth, Ocean, and Environment. Chair 9/2011 to 1/2013.

### **DEPARTMENTAL SERVICE**

- 2017– Department Ombudsman
- 2017– Chair, Search Committee for Human Rights and Geography position
- 2015–2017. Chair’s Advisory Committee
- 2016–2017. Member, Peer Review of Teaching Committee
- 2013. Chair Economic Geography Search Committee (joint with Environment and Sustainability Program)
- 2012–2013. Water Resources Search Committee
- 2012–2013. Remote Sensing Search Committee
- 2011–2012. Chair, Graduate Admissions Committee
- 2010–2011. Publicity Coordinator
- 2009–2010. Chair, Curriculum Committee
- 2006–2007. Colloquium Coordinator
- 2006–2007. Chair, Human Geography Search
- 2005–2006. Graduate Admissions Committee
- 2004. Chair, Economics and Environment Search
- 2004–2008. Library Representative
- 2000–2002. Ad Hoc Committee on Depth and Breadth in Graduate Education
- 2000–2001. Faculty Search Committees
- 1999–2002. Undergraduate Advisor
- 1996–1999. Faculty Meeting Secretary
- 1998–2000. Graduate Admissions Committee (Chair 1999-2000)
- 1998. Ad Hoc Committee on Graduate Education
- 1996–1997. Graduate Assistantship Committee
- 1996–1997. Admissions to Candidacy Committee

## **COMMUNITY SERVICE**

- 2006 – 2010. Technical Advisor to City of Columbia, Climate Protection Action Committee (supporting the Mayor’s resolution on Climate Change Action)
2007. South Carolina Climate, Energy, and Commerce Advisory Committee, Technical Working Group on Cross Cutting issues
- 2007–2009. SC DHEC-OCRM Shoreline Change Advisory Committee
- 2000–2001. Conservation Task Force, Richland County
- 1997, 1998. Regional Science Fair Judge

## **GRADUATE ADVISEES**

### **Current**

- Erika Chin, PhD candidate
- Eleanor Davis, PhD candidate

### **Completed**

#### *— Doctoral —*

- Kirsten Lackstrom, PhD, 2015. “Institutional Adaptation and Drought Management in the Carolinas”
- Ben Haywood, PhD, 2014. “Birds and Beaches: Sense of Place Among COASSTal Citizen Science Volunteers”
- Nathan Kettle, PhD, 2012. “Coastal Climate Change Adaptation: The Influence of Perceived Risk, Uncertainty, Trust and Scale”

#### *— Masters —*

- Zachary Landis, MS, 2017. “The Community Rating System: Assessing Indicators of Community Performance, a Daysmetric and SOVI Approach”
- Morgan Hughes, MS – MEERM, 2017. Internship with City of Columbia Star Rating System.
- Sumathee Selvaraj, MS, 2016. “Assessing the differential vulnerability of public transit users to nuisance flooding in the Charleston, SC area”
- Janae Davis, MS, 2015. “A Tale of Two Landscapes: Examining Alienation and Non-Visitation Among Local African American Fishers at Congaree National Park “
- Ekaterina Altman, MS – MEERM.

Amanda Brennan, MS – MEERM, 2012.

Lauren Felker, MS, 2011. “Increased perviousness versus urban densification: trade-offs between adaptation and mitigation in a changing climate”

Christina Griffin, MS, 2009. “Gender and Social Capital: Social Networks Post-Disaster”

Heather Landry, MS, 2008. “An Analysis of the Effects of Zoning on the Distribution of Risk Associated with the Location of Industrial Facilities”

Sara Yorty, MS, 2008. “Drought Impacts on Water-Based Recreational Businesses in North and South Carolina”

Gregory Sprouse, MS, 2007. “A Historical Analysis of Land Use and Land Cover Change for Cheraw State Park, Chesterfield CO, SC”

Cindy Kirkconnell, MA, 1999. “Equity, Efficiency, and the Landscape in the Everglades Agricultural Area”

Valerie Kudes, MA, 1998. “Thinking Globally, Acting Locally: US Cities Involvement in Local Agenda 21 and Climate Change Mitigation”

## **GRADUATE COMMITTEE MEMBERSHIP**

### **PhD Committee Member**

Daniel Abraham, Geography, 2018. “From Rhetoric to Response: Climate Change, Conflict, and Development in Karamoja, Uganda”

Kwame Ntiri Owusu-Daaku, Geography, 2017.

Maggie Kovatch, UNC–CH, Geography, 2015. “Climate-Human Health Vulnerability: Identifying Relationships between Maximum Temperature and Heat-Related Illness across North Carolina, USA”

Hope Mizzell, Geography, 2008. “Improving Drought Detection in the Carolinas: Evaluation of Local, State, and Federal Drought Indicators”

Laura Stroup, Geography, 2008. “Climate Change Effects on US Water Resources Management”

Arleen A. Hill, Geography, 2002. “Uncertainty and Behavior: Hurricane Hazards in Horry County, South Carolina”

Jerry T. Mitchell, Geography, 1998. “Hazards, Religion, and Place: Prayer and Peril in South Carolina”

### **Masters Committee Member**

Parker Lesley, MS – Geography, 2016.

- Reem Deeb, MS – MEERM, 2013. “Climate change effects on vibrio bacteria in the Winyah Bay estuary and the projected spread of Vibrio under future climatic scenarios”
- Felicia Boulware, MPA – Clemson University, City and Regional Planning, 2013. “Planning for Resilient Coastal Communities: An Analysis of Coastal Plans in South Carolina”
- Kip Chojercki, MA – Geography, 2009.
- Christine Eggers, MA – Geography, 2007. “Transfer of spatial data in South Carolina through the lens of annexation”
- Sarah Schwartz, MA – Geography, 2005. “Discourse as a Means of Understanding the Effects of Ecotourism Development in Developing Countries: Examples from Ghana”
- Stephanie Login, MA – Geography, 2005. “Reconciling Biodiversity Conservation, Livelihood vulnerability & Social justice in Shewula, Swaziland”
- Patrice Burns, MA – Geography, 2002. “Is That Your Professional Opinion”
- Jamie Easoz, MS – Geography, 2002. “Evaluating the Effectiveness of Flood Hazard Reduction Methods: A Comparison of Repetitive Vs. Non-Repetitive Loss Communities in South Carolina”
- Louise Moore, MA – Geography. “Environmental Preservation: Key to Compromise on Sandy Island, SC”
- John Gartin, MA – Geography, 1999. “Transboundary Factors along International Boundaries: The California - Baja California Border and the International Boundary and Water Commission”
- Leigh Ann Morgan, MA – Geography, 1998. “Post- Flood Analysis of the Benefits and Floodplains in Beaufort County, North Carolina”

### **Undergraduate Honors Thesis Advisees and Committees**

- Holly E. Selvig, Biological Sciences, 2000, Chair. “The Natural History of A. C. Moore Garden”
- Sarah Van Wye, Marine Science, 2001, Reader
- Morgan Mulaney, Biological Sciences, 2002, Reader