

DONALD ROBERT NELSON

Curriculum Vitae

Department of Anthropology, University of Georgia, Baldwin Hall, Athens GA 30602

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EDUCATION

Ph.D., Anthropology; Remote Sensing and Spatial Analysis minor, University of Arizona, 2005

M.A., Anthropology, University of Arizona, 2000

B.A., Anthropology, University of Nebraska, 1995

ACADEMIC APPOINTMENTS

2015 - Present Associate Professor: University of Georgia, Department of Anthropology

2009 - 2015 Assistant Professor: University of Georgia, Department of Anthropology

2006 - 2015 Adjunct Professor: University of Arizona, Bureau of Applied Research in Anthropology

2012 Visiting Professor: Universidade Federal do Ceará, Department of Hydraulic and Environmental Engineering

2009 - 2012 Visiting Fellow: University of East Anglia, Tyndall Centre for Climate Change Research

2006 - 2009 Senior Research Associate: University of East Anglia, Tyndall Centre for Climate Change Research

HONORS

2009 National Academy of Sciences, Kavli Fellow

RESEARCH GRANTS AND AWARDS

2014 - 2021 **National Science Foundation**. "Human and Natural Forcings of Critical Zone Dynamics and Evolution at the Calhoun Critical Zone Observatory". Senior Personnel. \$5,900,000 (\$395,000 Nelson).

2020 - 2021 **Municipal Government, Fortaleza**, Ceará, Brazil. "Rights and Social Inclusion Among Fortaleza's Underserved Youth". Co-Principal Investigator. ~\$187,000.

2019 - 2020 **President's Interdisciplinary Seed Grant**, UGA. "Building a National Center of Excellence for Nature-Based Infrastructure Solutions". Co-Principal Investigator. \$150,000.

2016 - 2018 **National Council for Scientific and Technological Development (CNPq – Brazil)**. "Adaptive Management of Drought Risk as a Strategy for Reduction of Climate Change Impacts". Co-Principal Investigator. ~\$150,000.

- 2014 - 2015 **Maranhão Foundation for Support for Research and Scientific Development (FAPEMA).** "Support for International Collaboration". Co-Principal Investigator. ~\$45,000.
- 2011 - 2015 **National Science Foundation.** "The Relative Importance of Generic vs. Specific Capacity in Addressing Drought Vulnerability in NE Brazil". Principal Investigator. \$302,000.
- 2012 **Provost Summer Research Grant,** UGA. "Supporting Social Institutions to Build Fair Access to Changing Water Resources". Principal Investigator. \$5,000.
- 2010 - 2011 **The Secretariat of Agrarian Development, Ceará; The Development Bank of Northeast Brazil.** "Agricultural Drought and Local Crises: A Spatial and Temporal Analysis of the Socioeconomic Impacts of Hydrologic Variability in Ceará, Brazil". Principal Investigator. \$75,000.
- 2010 **President's Venture Funds Award,** UGA. Travel support for four students to attend a graduate student workshop at Penn State University. \$2,500.
- 2009 **Exposition Foundation Latin American/Caribbean Research Travel Award,** UGA. Travel support for archival research. 2009. \$1,350.
- 2007 - 2008 **The Earth Institute at Columbia University,** "Integrated Assessment of Vulnerability in Rainfed Agriculture: Drought Impacts, Coping, and Understanding / Use of forecasts". Co- Principal Investigator. \$50,000.
- 2004 - 2005 **National Oceanic and Atmospheric Administration.** "Living with Drought: Integrating Climate Information with Rural Development Planning in Ceará, Brazil". Principal Investigator. \$130,000.
- 2000-2003 **National Oceanic and Atmospheric Administration.** "Use And Usefulness: A Comparative Study Of ENSO-Based Climate Forecasting Systems In Drought-Affected Regions Of Latin America". Co- Principal Investigator. \$298,000.
- 2020 - 2024 Submitted. **National Science Foundation.** "Integrating social and ecological dynamics of livelihood adaptation in small-scale rural production systems". Principal Investigator. \$1,590,000.
- 2020 - 2024 Submitted. **National Science Foundation.** "Socio-Ecohydrological Dynamics of Land Degradation: Telecoupling Global Markets to Local Agroecosystems. Senior Personnel. \$1,599,000 (\$300,000 Nelson).
- 2020 - 2025 Submitted. **United States Agency for International Development.** "Transforming Agriculture through Novel Solutions that Foster Resilient Markets". Senior Personnel. \$39,600,000 (\$12,475,000 UGA).

JOURNAL ARTICLES

- Nelson, D.R.**, Bledsoe, B., and M Shepherd. 2020. From hubris to humility: Transcending original sin in managing hydroclimate risk management. *Anthropocene*. 30.
- King, E., **Nelson, D.R.**, and J.R. McGreevy. 2019. Advancing the integration of ecosystem services and livelihood adaptation. *Environmental Research Letters*. 14(12).
- Coughlan, M and **D.R. Nelson**. 2019. Geostatistical analysis of historical contingency and land use footprints in the prehistoric settlement dynamics of the South Carolina Piedmont, North America. *Journal of Archaeological Science* 107:1-9.
- Unks, R., King, E., **Nelson, D.R.**, Wachira, N.P., and L. German. 2019. Constraints, multiple stressors, and stratified adaptation: pastoralist livelihood vulnerability in a semi-arid wildlife conservation context in Central Kenya. *Global Environmental Change*. 54:124-134.
- Unks, R., King, E., German, L. Wachira, N.P., and **D.R. Nelson**. 2019. Unevenness in scale mismatches: institutional change and pastoralist livelihoods in Laikipia, Kenya. *Geoforum*. 99:74-87.
- Maione, C., **Nelson, D.R.**, and R.M. Barbosa. 2019. Research on social data by means of cluster analysis. *Applied Computing and Informatics*. 15(2):153-162.
- Coughlan, M. and **D.R. Nelson**. 2018. Legacy effects of prehistoric Native American niche construction on Euro-American settlement in the South Carolina Piedmont. *PLOS ONE*. 13(3): e0195036.
- Delaney, A., T. Evans, J. McGreevy, J. Blekking, T. Schlachter, K. Korhonen-Kurki, P. A. Tamás, T. A. Crane, H. Eakin, W. Förch, L. Jones, **D.R. Nelson**, C. Oberlack, and M. Purdon. 2018. Governance of food systems across scales in times of social-ecological change: a review of indicators." *Food Security* 10(2): 287-310.
- Tucker, B., and **D.R. Nelson**. 2017. What does economic anthropology have to contribute to studies of risk and resilience? *Economic Anthropology*. 4(2):161-172.
- Coughlan, M., **D.R. Nelson**, M. Lonneman, and A. Block. 2017. Historical Land Use Dynamics in the Highly Degraded Landscape of the Calhoun Critical Zone Observatory. *Land*. 6(32).
- Nelson, D.R.**, M.C. Lemos, H. Eakin, Y.J. Lo. 2016. The limits of poverty reduction in support of climate change adaptation. *Environmental Research Letters*. 11:094001.
- Barbosa, R., **D.R. Nelson**. 2016. The use of support vector machine to analyze food security in a northeastern region of Brazil. *Applied Artificial Intelligence*. 30(4):318-330.
- Lemos, M.C., Y.J. Lo, **D.R. Nelson**, H. Eakin. 2016. Leveraging generic and specific capacities to reduce vulnerability to drought in NE Brazil. *Global Environmental Change*. 39:170-179
- Burke, B.J., M. Welch-Devine, S. Gustafson, N. Heynen, J. L. Rice, T. L. Gragson, S. R. Evans and **D.R. Nelson**. 2016. Can Science Writing Collectives Overcome Barriers to More Democratic Communication and Collaboration? Lessons from Environmental Communication Praxis in Southern Appalachia. *Environmental Communication*. 10(2):169-186.
- Chin, A., L. Gillson, S. Quirling, **D.R. Nelson**, M.P. Taylor, V. Vanacker, D. Lovegrove. 2016. An evolving Anthropocene for science and society. *Anthropocene* 13:1-3.
- Nelson, D.R.**, and T. J. Finan. 2014. Participação e Impotência: a Busca pela Esperança na periferia de Fortaleza, Brasil. *Illuminuras* 15(36): 152–170.
- Eakin, H. C., M. C. Lemos, and **D.R. Nelson**. 2014. Differentiating capacities as a means to sustainable climate change adaptation. *Global Environmental Change* 27:1–8.
- Furman, C., C. Roncoli, **D.R. Nelson**, and G. Hoogenboom. 2014. Growing food, growing a movement: climate adaptation and civic agriculture in the southeastern United States. *Agriculture and Human Values*.
- Fidelman, P. I., A. M. Leitch, and **D.R. Nelson**. 2013. Unpacking multilevel adaptation to climate change in the Great Barrier Reef, Australia. *Global Environmental Change*.

- Nelson, D. R.** 2011. Adaptation and resilience: responding to a changing climate. *WIREs Clim Change* 2(1):113–20.
- Nelson, D.R.**, F. d. Souza Filho, and T. J. Finan. 2011. Técnica, Cultura e Meio Ambiente para pensar o Semiárido. *Revista Homem, Espaço e Tempo* 5(2):1–15.
- Adger, W. N., K. Brown, **D.R. Nelson**, F. Berkes, H. Eakin, C. Folke, K. Galvin. 2011. Resilience implications of policy responses to climate change. *WIREs Clim Change* 2(5):757–66.
- Engle, N. L., Owen R. Johns, Maria Carmen Lemos, and **D.R. Nelson**. 2011. Integrated and Adaptive Management of Water Resources: Tensions, Legacies, and the Next Best Thing. *Ecology and Society* 16(1).
- Miller F, Osbahr H, Boyd E, Thomalla F, Bharwani S, Ziervogel G, Walker B, Birkmann J, van der Leeuw S, Rockström J, Hinkel J, Downing T, Folke C, and **D.R. Nelson**. 2010. Resilience and Vulnerability: Complementary or Conflicting Concepts? *Ecology and Society* 15(3).
- Lemos, M. C., A. R. Bell, N. L. Engle, R. M. Formiga-Hohnsson, and **D.R. Nelson**. 2010. Technical Knowledge and water resources management: A comparative study of river basin councils, Brazil. *Water Resources Research* 46.
- Nelson, D.R.** 2010. Climate change: understanding anthropogenic contributions and responses. *Population and the Environment* 31(5):283–85.
- Nelson, D.R.**, C. T. West, and T. J. Finan. 2009. Introduction to “In Focus: Global Change and Adaptation in Local Places”. *American Anthropologist* 111(3):271–74.
- Nelson, D.R.**, and T. J. Finan. 2009. Praying for Drought: Persistent Vulnerability and the Politics of Patronage in Ceará, Northeast Brazil. *American Anthropologist* 111(3):302–16.
- Nelson, D.R.**, M. T. Folhes, and T. J. Finan. 2009. Mapping the road to development: a methodology for scaling up participation in policy processes. *Development in Practice* 19(3):386–95.
- Hulme, M., S. Dessai, I. Lorenzoni, and **D.R. Nelson**. 2009. Unstable climates: Exploring the statistical and social constructions of ‘normal’ climate. *Geoforum* 40(2):197–206.
- Adger, W. N., S. Dessai, M. Goulden, M. Hulme, I. Lorenzoni, **D.R. Nelson**, L. O. Naess, J. Wolf, and A. Wreford. 2009. Are there social limits to adaptation to climate change? *Climatic Change* 93(3-4):335–54.
- Nelson, D.R.**, W. N. Adger, and K. Brown. 2007. Adaptation to environmental change: Contributions of a resilience framework. *Annual Review of Environment and Resources* 32:395–419.
- Folhes, M. T., and **D.R. Nelson**. 2007. Previsões Tradicionais de Tempo e Clima no Ceará: O Conhecimento Popular à Serviço da Ciência. *Sociedade e Natureza* 19(2):19–31.
- Lemos, M. C., T. J. Finan, R. W. Fox, **D.R. Nelson**, and J. Tucker. 2002. The Use of Seasonal Climate Forecasting in Policymaking: Lessons from Northeast Brazil. *Climatic Change* 55:479–507.
- Finan, T. J., and **D.R. Nelson**. 2001. Making rain, making roads, making do: public and private adaptations to drought in Ceará, Northeast Brazil. *Climate Research* 19:97–108.
- McCracken, S. D., E. S. Brondizio, **D.R. Nelson**, E. F. Moran, A. D. Siqueira, and C. Rodriguez-Pedraza. 1999. Remote Sensing and GIS at Farm Property Level: Demography and Deforestation in the Brazilian Amazon. *Photogrammetric Engineering and Remote Sensing* 65(11):1311–20.

BOOKS CO-EDITED

- Souza Filho, F.A., S.M.O. Silva, R.M.F. Johnsson, **D.R. Nelson**, A. Nauditt, and L. Ribbe. (Eds.). 2019. *Adapta: gestão adaptativa do risco climático de seca*. Fortaleza: Expressão Gráfica e Editora.

BOOK CHAPTERS

- Egute, N.d.S., Phillipi Jr., A., and **D.R. Nelson**. 2019. Tipos de respostas de quem vive na várzea do Rio Tietê – Jardim Pantanal. In *Riscos e desastres: caminhos para o desenvolvimento Sustentável*. Yoshida, H.T., Rodriguez, C.A.M., and L. Ciccotti, eds. São Carlos: RiMa Editora.
- Biesel, S. and **D.R. Nelson**. 2019. A Importância da ética para a gestão da água. In *Adapta: gestão adaptativa do risco climático de seca*. Souza Filho, F.A., S.M.O. Silva, R.M.F. Johnsson, D.R. Nelson, A. Nauditt, and L. Ribbe. (Eds.) Fortaleza: Expressão Gráfica e Editora.
- Lemos, M. C., A. Agrawal, H. Eakin, **D.R. Nelson**, N. L. Engle, and O. Johns. 2013. Building Adaptive Capacity to Climate Change in Less Developed Countries. In *Climate Science for Serving Society: Research, Modeling and Prediction Priorities*. G. R. Asrar and J. W. Hurrell, eds. Pp. 437–57: Springer Verlag.
- Nelson, D.R.**, FA de Souza Filho, TJ Finan, and S Ferreira. 2014. Trajectories of adaptation: A retrospectus for future dynamics. In *Social-ecological Systems in Transition*. S. Sakai and C Umetso eds. Global Environmental Series, Springer, Tokyo, Japan.
- Nelson, D.R.** 2012. Vulnerability and Resilience of Modern Societies to Environmental Change. In *The SAGE handbook of environmental change*. John A. Matthews and Patrick J. Bartlein, eds. Los Angeles: Sage.
- Hulme, D., S. Dessai, I. Lorenzoni, and **D.R. Nelson**. 2010. Unstable Climates: Exploring the Statistical and Social Constructions of 'Normal' Climate. In *Human geography*, V. 1. publ. Derek Gregory and Noel Castree eds. Pp. 117–40. Sage fundamentals of geography. London : SAGE Publications.
- Lemos, M. C., R. M. Formiga-Johnsson, **D.R. Nelson**, and N. Engle. 2010. Informação técnica e gestão participativa de bacias hidrográficas no Brasil. In *Água e política: Atores, instituições e poder nos organismos colegiados de bacia hidrográfica no Brasil*. 1a ed. Rebecca Abers, ed. Pp. 173–94. Coleção Cidadania e Meio Ambiente. São Paulo, SP, Brasil: Annablume.
- Adger, W. N., and **D.R. Nelson**. 2010. Fair decision making in a new climate of risk. In *Climate change, ethics and human security*. Karen O'Brien, Asunción St. Clair, and Berit Kristoffersen, eds. Pp. 83–94. Cambridge: Cambridge University Press.
- Nelson, D.R.** 2009. Transforming the World. In *Adapting to climate change*. W. N. Adger, Irene Lorenzoni, and Karen L. O'Brien, eds. Pp. 491–500. Cambridge, New York: Cambridge University Press.
- Eakin, H., E. L. Tompkins, **D.R. Nelson**, and J. M. Anderies. 2009. Hidden costs and disparate uncertainties: trade-offs in approaches to climate policy. In *Adapting to climate change*. W. N. Adger, Irene Lorenzoni, and Karen L. O'Brien, eds. Pp. 212–26. Cambridge, New York: Cambridge University Press.
- Finan, T. J., and **D.R. Nelson**. 2009. Decentralized planning and climate adaptation: toward transparent governance. In *Adapting to climate change*. W. N. Adger, Irene Lorenzoni, and Karen L. O'Brien, eds. Pp. 335–49. Cambridge, New York: Cambridge University Press.
- Nelson, D.R.**, and T. J. Finan. 2009. Weak Winters: Dynamic Decision-Making in the Face of Extended Drought in Ceará, Northeast Brazil. In *The political economy of hazards and disasters*. Eric C. Jones and Arthur D. Murphy, eds. Pp. 107–32. Society for economic anthropology (SEA) monographs no. 27. Lanham: AltaMira Press.
- Bronzizio, E., S. D. McCracken, E. F. Moran, A. D. Siqueira, **D.R. Nelson**, and C. Rodriguez-Pedraza. 2002. The Colonist Footprint: Toward a Conceptual Framework of Land Use and Deforestation Trajectories among Small Farmers in the Amazonian Frontier. In *Deforestation and Land Use in the Amazon*. Charles H. Wood and Roberto Porro, eds. Pp. 133–61. Gainesville, FL: University of Florida Press.

OTHER PUBLICATIONS

- Coughlan, M. and **D.R. Nelson**. 2018. Colonial Land Grants Database, Calhoun Critical Zone Observatory, South Carolina, 1749-1851, Inter-university Consortium for Political and Social Research [distributor]. doi.org/10.3886/ICPSR37078.v1
- Nelson, D.R.**, O'Neill, Katherine P., Coughlan, Michael R., Lonnenman, Michael C., Meyers, Zachary, and U.S. Department of Agriculture, Forest Service. 2016. USDA Forest Service Photographs from the Calhoun Experimental Forest, South Carolina, 1932 - 1987. Ann Arbor, MI: Inter-university Consortium for Political and Social Research. doi.org/10.3886/E100276V3
- Delaney A., T. Evans, J. McGreevy, J. Blekking, T. Schlachter, K. Korhonen-Kurki, P.A. Tamás, T.A. Crane, H. Eakin, W. Förch, L. Jones, **D.R. Nelson**, C. Oberlack, and M. Purdon. 2016. Strengthening the food systems governance evidence base: Supporting commensurability of research through a systematic review of methods. Working Paper no. 167. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS)
- Ravindranath NH, M. Stocking, L. Neretin, **D.R. Nelson**, and S. J. V. J. Patwardhan Anand. 2010. *Enhancing Resilience to Reduce Climate Risks: Scientific Rationale for the Sustained Delivery of Global Environmental Benefits in GEF Focal Areas*. Step Advisory Document GEF/C.39/Inf.18: United Nations Environment Programme.
- Lemos, M. C., A. R. Bell, N. L. Engle, R. M. Formiga-Johnsson, and **D.R. Nelson**. 2009. Technical knowledge and democratic decision-making: Building adaptive capacity of fresh water systems in Brazil. *IOP Conference Series: Earth and Environmental Science* 6:292015.
- Duarte, M., **D.R. Nelson**, P. Norton, R. Nadelman, and J. Wolf. 2009. Adapting to Climate Change: Understanding the Social Dimensions of Vulnerability and Resilience. In *Environment Matters at the World Bank*. Pp. 24–27. Washington.
- Nelson, D.R.** 2009. Expanding the Climate Change Research Agenda. *Anthropology News*, 48:10-12.
- Janvry, A. de, E. Soudolet, F. Finan, **D.R. Nelson**, K. Lindert, B. de la Brière, and P. Lanjouw. 2005. *Brazil's Bolsa Escola Program: The Role of Local Governance in Decentralized Implementation*. Social Safety Nets Primer Series: World Bank Institute.
- Nelson, D.R.**, and T. J. Finan. 2000. The Emergence of a Climate Anthropology in Northeast Brazil. *Practicing Anthropology* 22(4):6–10.
- McCracken, S. D., E. S. Brondízio, E. F. Moran, **D.R. Nelson**, A. D. Siqueira, and C. Rodriguez Pedraza. 1998. The use of remote sensing and GIS in the collection of survey data on households and land-use: Example from the agricultural frontier of the Brazilian Amazon. In *Simpósio de Sensoriamento Remoto*. Anais IX. Pp. 45–52. São José dos Campos: INPE.

INVITED LECTURES, PANELS, AND WORKSHOPS

- Nelson, D.R.** 2020. People, Land, & Ecosystems: Leveraging NEON for Socio-Environmental Synthesis. SESYNC Workshop. Annapolis, MD.
- Nelson, D.R.** 2018. Ecosystem Services-Livelihood Adaptation. Boundary Spanning: Advances in Socio-Environmental Systems Research. SESYNC International Symposium. Annapolis, MD.
- Nelson, D.R.** 2017. Natural Resources in the Semi-Arid and Human Vulnerability. Keynote speaker, III Brazilian Symposium on Natural Resources in the Semi-Arid. Universidade Federal do Ceará, Fortaleza, Brazil.
- Nelson, D.R.** 2016. Academic contributions to knowledge building: Vulnerability assessment. Workshop on the 2010-2016 Drought in Northeast Brazil. Northeast Development Bank, Fortaleza, Brazil.

- Nelson, D.R.** 2016. Differentiating capacities as a means to sustainable climate change adaptation. Invited speaker for the workshop *Building Community Capacity to Adapt to Climate Change across Sites, Groups and Scales*. Maxwell School of Citizenship and Public Affairs, Syracuse University, NY.
- Nelson, D.R.** 2015. Governance and institutions across scales in Climate Resilient Food Systems. Invited workshop participant. Climate Change Agriculture and Food Security, CGIAR. Brussels, Belgium.
- Nelson, D.R.** 2015. Participação e mapeamento comunitário para promover uma gestão municipal mais eficaz e inclusiva. Department of Anthropology, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil.
- Nelson, D.R.** 2015. Seca no Sertão: Uma análise sobre a mediação política das vulnerabilidades ao clima durante 50 anos. Department of Anthropology, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil.
- Nelson, D.R.** 2015. Drought vulnerability and 20 years of public policy in Northeast Brazil. Brazilian Student Association, University of Georgia, Georgia.
- Nelson, D.R.** 2014. Governance and institutions across scales in Climate Resilient Food Systems. Invited workshop participant. Climate Change Agriculture and Food Security, CGIAR. Brussels, Belgium.
- Nelson, D.R.** 2013. The theoretical and policy contributions of methods to assess vulnerability change through time. Seminário Internacional de Investigações sobre Vulnerabilidade dos Desastres Socionaturais. Keynote speaker. Universidade Federal de Santa Catarina. Florianópolis, Brazil.
- Nelson, D.R.** 2013. Social, policy and climatic change in NE Brazil: The droughts of 1997-98 and 2012-13. Drought Policy Conference. David Rockefeller Center for Latin American Studies, Harvard University. Cambridge, MA.
- Nelson, D.R.** 2013. Vulnerability and Resilience: Methodological Approaches Applied in Northeast Brazil. School of Sustainability, Arizona State University.
- Nelson, D.R.** 2013. Means and Extremes: The changing nature of climate risk for dryland agriculture in NE Brazil. Seminar series, Odum School of Ecology. University of Georgia.
- Nelson, D.R.** 2013. Vulnerability and Resilience: Methodological Approaches Applied in Northeast Brazil. Drought Preparedness and Climate Change Resilience in Brazil: Assistance with Institutionalizing Proactive Risk-Based Policy and Management Symposium. World Bank Scoping Mission, Fortaleza, CE, Brazil.
- Nelson, D.R.** 2013. Partnerships and Communities: Building academic and personal relationships through collaboration and Exchange. Roundtable presenter and discussant. I BSA Symposium: Collaboration & academic production: Stimulating research and partnership between UGA and Brazil. University of Georgia. Athens, GA.
- Nelson, D.R.** 2012. Planejamento Participativo e Recursos Hídricos. Departmental Seminar Series, Departamento de Engenharia Hidráulica e Ambiental (Department of Hydraulic and Environmental Engineering). Universidade Federal do Ceará. Fortaleza, Brazil.
- Nelson, D.R.** 2012. Secas Locais: Estratégias de Promoção de Adaptação. Departmental Seminar Series, Departamento de Engenharia Hidráulica e Ambiental. Universidade Federal do Ceará. Fortaleza, Brazil.
- Nelson, D.R.** 2012. Resiliência de Sistemas Sócio-Ecológicos: Uma Perspectiva Histórica. Departmental Seminar Series, Departamento de Engenharia Hidráulica e Ambiental. Universidade Federal do Ceará. Fortaleza, Brazil.
- Nelson, D.R.** 2012. From Snakebites to Sweatshops: Tales of Adaptation from the Brazilian Drylands. Departmental Lecture Series, Department of Anthropology. Baylor University.

- Nelson, D.R.** 2012. De Cliente a Cidadão: Desafios na Participação Social (From Client to Citizen: Challenges for Social Participation). Fórum para Idéias Inovativas (Forum for Innovative Ideas). Instituto de Estudos e Pesquisas para o Desenvolvimento do Ceará (Research Institute for Development in Ceará), State Legislative Assembly. Fortaleza, Brazil.
- Nelson, D.R.** 2012. From Client to Citizen: A Role for Technology in Changing Social Relations in Northeast Brazil. Department Lecture Series, Departments of Geography and Latino and Hispanic Caribbean Studies. Rutgers University.
- Nelson, D.R.** 2012. Limits of Environmental Governance. Invited workshop participant. National Socio-Environmental Synthesis Centre, Annapolis MD.
- Nelson, D.R.** 2011. Trajectories of Adaptation: A Retrospectus for Future Change Dynamics. RIHN 6th International Symposium: Beyond collapse: Transformation of Human-Environmental Relationships, Past, Present, Future. Research Institute for Humanity and Nature, National Institutes for the Humanities, and the Inter-University Research Corporation. Kyoto, Japan.
- Nelson, D.R.** 2011. Vulnerability and Adaptive Capacity Thinking Today; Vulnerability Assessment Methods. Presented at the workshop Forest Community Vulnerability and Adaptive Capacity in the Context of Climate Change. University of Montana and the Forest Service Rocky Mountain Research Station. Lubrecht Experimental Forest, Montana.
- Nelson, D.R.** 2011. Adaptation Studies: Anthropological Contributions to Theory and Policy. Brown Bag Series, Bureau of Applied Research in Anthropology, University of Arizona.
- Nelson, D.R.** 2011. Third International Conference: Climate, Sustainability, and Development in the Semiarid Regions. Invited workshop participant. Provincial Government of Mendoza, Argentina and the State Government of Ceará, Brazil. Mendoza, Argentina.
- Nelson, D.R.** 2011. Trajectories of Adaptation: A in the Brazilian Drylands Fall 2011, Seminar Series. Department of Agricultural and Applied Economics. University of Georgia,
- Nelson, D.R.** 2011. From Snakebites to Sweatshops: Tales of Climate Adaptation in the Brazilian Drylands. Climate and Society Initiative Brown Bag Seminar. University of Georgia.
- Nelson, D.R.** 2011. Técnica, Cultura e Meio Ambiente para pensar o Semi-árido. Educação contextualizada: Natureza, Técnica, Cidadania e Diversidade Cultural. III Fórum Brasileiro do Semi-árido. Universidade Estadual Vale do Acaraú. Sobral, Brazil.
- Nelson, D.R.** 2011. Methods and Frameworks for Assessing Vulnerability. Emory University, Masters in Development Practice.
- Nelson, D.R.** 2011. Climate Change and Food Security. Panelist. 5th Annual National Summit of the International Association for Students in Agriculture and Related Sciences. University of Georgia.
- Nelson, D.R.** 2011. Where does climate fit within Anthropology?. University of Michigan. School of Natural Resources and the Environment.
- Nelson, D.R.** 2010. Responding to Extreme Weather Events: Climate Variability and Change. Brown International Advanced Research Institutes, Brown University, Providence, RI.
- Nelson, D.R.** 2010. Systems in Motion: The Nested Nature of Climate Adaptation in Northeast Brazil. Curriculum for the Environment and Ecology, University of North Carolina.
- Nelson, D.R.** 2010. Systems in Motion: The Nested Nature of Climate Adaptation in Northeast Brazil. Earth and Environmental Systems Institute, Pennsylvania State University.
- Nelson, D.R.** 2010. Anthropological Perspectives on Social-Ecological Resilience. Panelist. Society for Applied Anthropology, Mérida, Mexico.
- Nelson, D.R.** 2010. Social Aspects of Climate Change. Emory University, Department of Environmental Studies, GA.
- Nelson, D.R.** 2009. Our Hot and Uncertain Future: Is Adaptation to Climate Change Possible?. Session Chair. Kavli Frontiers of Science Symposium, National Academy of Sciences, Irvine, CA.

- Nelson, D.R.** 2009. Impacts, Adaptation and Vulnerability. Invited workshop participant. Intergovernmental Panel on Climate Change; Earth System Science Programme; Instituto Nacional de Pesquisas Espaciais, São José dos Campos, Brazil.
- Nelson, D.R.** 2009. Beyond Limits to Adaptation to Transformations in Practice. Invited workshop participant. Environmental Change Institute, Oxford, UK.
- Nelson, D.R.** 2009. International Expert Panel on Megacities, Vulnerability, and Global Climate Change. Invited workshop participant. Instituto Nacional de Pesquisas Espaciais, Rio de Janeiro, Brazil.
- Nelson, D.R.** 2008. Climate change and water resources: impacts and adaptation. Given for the short course: Climate change: science, impacts and responses. Imperial College, London.
- Nelson, D.R.** 2008. Freshwater and Ecosystem Services. Session chair. Resilience, Adaptation, and Transformation in Turbulent Times. Stockholm Resilience Centre and the Stockholm Environment Institute, Stockholm.
- Nelson, D.R.** 2008. Adaptation Strategies to Climate Change. Interdisciplinary Programme on Humanitarian Action and the Institute of Environment Studies, University of Geneva.
- Nelson, D.R.** 2008. Key outcomes of the Tyndall Centre workshop on resilience and adaptation to climate change. Presenter. Resilience and Vulnerability Colloquium. Stockholm Environment Institute, Stockholm.
- Nelson, D.R.** 2008. Implications of climate change for conflict and migration Discussant. Social Dimensions of Climate Change. The World Bank Group. Washington D.C.
- Nelson, D.R.** 2008. Vulnerability: concepts and assessment. Institute of History, University of Berne, Switzerland.
- Nelson, D.R.** 2007. Discussant. Freshwater Climate Change Workshop. World Wildlife Fund. Haslemere, UK.
- Nelson, D.R.** 2007. Environmental Refugees. Dana Centre, Science Museum. London, UK
- Nelson, D.R.** 2005. Questionnaire Development and Field Experiences. Discussion on the Research on the Evaluation of the Impact of *Bolsa Família*. Cedeplar-UFMG, Ministério de Desenvolvimento Social e Combate a Fome, Sociedade Científica da Escola Nacional de Ciências Estatísticas, and The World Bank. Belo Horizonte, MG, Brazil.
- Nelson, D.R.** 2005. Appropriate Technologies for the Semi-Arid. Discussant. Konrad Adenaur Stiftung Foundation. Fortaleza, Brazil.

ORGANIZED CONFERENCES, WORKSHOPS, AND SESSIONS

- Tucker, B., **D.R. Nelson.** 2016. Risk and Resilience: Cultures, Societies, and Systems. Co-organizer host of Society for Economic Anthropology Annual Conference, Athens, GA.
- Nelson, D.R.**
2015 Anthropology and Public Policy in Brazil. Co-organizer of double session. Society for Applied Anthropology, Pittsburgh, PA.
- Nelson, D.R.**
2014 Contemporary Applied Anthropology in Brazil. Co-organizer of double session. Society for Applied Anthropology, Albuquerque, New Mexico.
- Nelson, D.R.**
2010 Adaptation with a long-view: promoting resilience in response to environmental and development challenges. Session organizer. Second International Conference: Climate, Sustainability and Development in Semi-arid Regions, Fortaleza, Brazil.
- Nelson, D.R.**

2010 Forms of adaptive management under climate change: A comparative and multidisciplinary perspective. Session organizer. Second International Conference: Climate, Sustainability and Development in Semi-arid Regions, Fortaleza, Brazil.

Nelson, D.R.

2010 Social-ecological resilience and climate change. Workshop co-organizer. Tyndall Centre for Climate Change Research, Southwold, UK.

Nelson, D.R.

2008 Living with climate change: are there limits to adaptation? Steering and Scientific Committee. Tyndall Centre for Climate Change Research. Royal Geographical Society, London.

Nelson, D.R.

2008 Participatory GIS, More than Maps. Session organizer. Society for Applied Anthropology, Memphis TN.

Nelson, D.R.

2007 Resilience and Adaptation to Climate Change: Linkages and a New Agenda'. Workshop co-organizer. Tyndall Centre for Climate Change Research, Blakeney, UK.

Nelson, D.R.

2007 Linking Adaptation and Sustainability: Case Studies on Global Change in Local Places. Session organizer. Society for Applied Anthropology, Tampa, FL.

Nelson, D.R.

2003 Developing guidelines to measure food access in Title II programs. Workshop coordinator. FANTA/FAM, Washington, D.C.

CONFERENCE PRESENTATIONS

Nelson, D.R., Coughlan, M., Billings, S., Porporato, A. and D. Richter. 2019. What is soil? An integrative exploration of a Critical material. American Geophysical Union, San Francisco CA.

Nelson, D.R. and M. Coughlan. 2019. Land use trajectories: an empirical analysis of smallholders and the forest transition in the South Carolina Piedmont. Society for Applied Anthropology, Portland OR.

Nelson, D.R. and M. Coughlan. 2018. Gone with the witness tree: A reconstruction of historical forest cover change in the South Carolina Piedmont ca. 1790-1940 using metes and bounds survey witness trees. American Association of Geographers, New Orleans.

Coughlan, M., **Nelson, D.R.**, and M. Lonneman. 2017. Continuity and Change in the Southern Piedmont: A Social-Ecological Perspective on People and their Land. Society for Applied Anthropology, Portland, Santa Fe, NM.

Nelson, D.R., E. King, J.R. McGreevy, L. German, and F. Isabel. 2016. A Framework to reconcile ecosystem services and adaptive capacities in rapidly transforming dryland social-ecological systems. Global Land Programme, 3rd Open Science Meeting. Beijing, China.

Coughlan, M.L., **D.R. Nelson**. 2016. Human niche construction and legacy effects at the Calhoun CZO: The relationship of land use legacies and historical settlement patterns. Southeastern Archaeology Conference, Athens, GA.

Nelson, D.R. 2016. Living with drought: Adaptation and Identity. Society for Applied Anthropology, Vancouver, Canada.

Nelson, D.R. and T.J. Finan. 2016. Poverty as Proxy? Social protection and food security in northeast Brazil 1998 – 2012. Society for Applied Anthropology, Vancouver, Canada.

Nelson, D.R. and T.J. Finan. 2015 Smallholder resilience: the dynamics of climate, poverty, policy, and politics in Northeast Brazil, 1998 – 2014. Society for Applied Anthropology, Pittsburgh, PA.

- Coughlan, M.R., **D.R. Nelson**, T.L. Gragson. 2015. Transitioning from livelihood fire to fire suppression in the US Southeast: Causes and consequences of fire regime transition in two forested landscapes. Fire Ecology and Management Conference. San Antonio, TX.
- Finan, T.J. and **D.R. Nelson**. 2015. Contested Participation within a Clientelistic Tradition: Resistance to Community-Based Development in the Periphery of Fortaleza, Ceará. Society for Applied Anthropology, Pittsburgh, PA.
- Egute, N. S., **D.R. Nelson**, S.M.V. Coutinho, M.F. Ramos, A.S. Carbone, A. Philippi Jr. 2015. Exposição às enchentes e capacidade adaptativa ao longo do tempo: o papel de políticas públicas no processo de adaptação. IV Workshop Interdisciplinar de Investigación e Indicadores de Sustentabilidade, Universidad de Concepción, Concepción, Chile.
- Nelson, D.R.**, Lemos, M.C., Eakin, H. and Y. Lo. 2014. Risk and vulnerability reduction: Synergies in drought management and development in Northeast Brazil. Society for Applied Anthropology, Albuquerque, New Mexico
- Nelson, D.R.**, Lemos, M.C., Eakin, H. and Y. Lo. 2014. The Conjunction of Food Security, Drought and Public Investments in NE Brazil. Resilience: Transformation and Development. Montpellier, France.
- Nelson, D.R.**, Lemos, M.C., Eakin, H. and Y. Lo. 2014. Food Security, Drought and Social Policy in NE Brazil. Adaptation Futures, Fortaleza, Brazil
- Nelson, D.R.** and T.J. Finan. 2014. Participation and Powerlessness: The Pursuit of Hope on the Periphery of Fortaleza, Brazil. Society for Applied Anthropology, Albuquerque, New Mexico.
- Nelson, D.R.** 2014. Risk and vulnerability reduction: Synergies in drought management and development in Northeast Brazil. Society for Applied Anthropology, Albuquerque, New Mexico
- Nelson, D.R.** 2013. Patrons, Neighbors and the State: Patterns of household-level resource access within the context of rapid social change. American Anthropological Association. Chicago, IL.
- Nelson, D.R.** 2012. Trajectories of Adaptation: A Retrospectus for Future Change Dynamics. Planet Under Pressure. London, UK.
- Nelson, D.R.** 2011. Adaptation Trajectories. Society for Applied Anthropology. Seattle, WA.
- Nelson, D.R.** 2011. Adaptation with a long-view: promoting resilience in response to environmental and development challenges. Resilience 2011: Second International Science and Policy Conference. Arizona State University, Phoenix, AZ.
- Nelson, D.R.** 2011. Combat or Coexistence? – An historical analysis of the impacts of public investment in a drought prone region. Resilience 2011: Second International Science and Policy Conference. Arizona State University, Phoenix, AZ.
- Nelson, D.R.** 2011. An analytical approach to the local understanding of drought and drought response in Ceará, Northeast Brazil. Second International Conference: Climate, Sustainability and Development in Semi-arid Regions, Fortaleza, Brazil.
- Nelson, D.R.** 2011. Adaptation with a long-view: Promoting resilience in response to environmental and development Challenges . Second International Conference: Climate, Sustainability and Development in Semi-arid Regions, Fortaleza, Brazil.
- Nelson, D.R.** 2009. When resilient institutions become maladaptive: Tensions and transformations. International Human Dimensions Program, Bonn.
- Nelson, D.R.** 2008. Adapting to climate change: Contributions of a resilience framework. Resilience, Adaptation, and Transformation in Turbulent Times. Stockholm Resilience Centre and the Stockholm Environment Institute, Stockholm.
- Nelson, D.R.** 2008. Community resilience and institutional tensions: Adaptation to climate change in Northeast Brazil. American Anthropology Association, San Francisco CA.

- Nelson, D.R.** 2008. Unusual business: PGIS and the transformation of governance. Society for Applied Anthropology, Memphis, TN.
- Nelson, D.R.** 2007. Weak rains: Dynamic Decision-Making in the Face of Extended Drought in Ceará, Northeast Brazil. Society of Economic Anthropology, Greensboro, NC.
- Nelson, D.R.** 2007. Persistent Vulnerability and Ironic Adaptation: The (False) Security of Drought in Ceará, Brazil. Society for Applied Anthropology, Tampa, FL.
- Nelson, D.R.** 2003. The Marriage of Technology and Democracy: Reducing Vulnerability to Drought in Ceará, Brazil. Society for Applied Anthropology, Dallas, TX.
- Nelson, D.R.** 1999. Making Rain, Making Roads, Making Do: Public and Private Responses to Drought in Ceará, Brazil. Society for Applied Anthropology, Tucson, AZ.
- Nelson, D.R.** 1997. Farmer Awareness and the Use of Seasonal Climate Forecasting in Ceará, Northeast Brazil. Latin American Studies Association, Chicago, IL.

JOURNAL BOARDS

- 2020 Co-Guest Editor "Urban Hydroclimatic Resilience". *Anthropocene* (in press).
- 2014 - Present Associate Editor for *Anthropocene*.
- 2009 - Present Editorial Board and Subject Editor for *Ecology & Society*.
- 2017 Co-Guest Editor for *Economic Anthropology* 4(2).
- 2007 - 2014 Editorial Board for *Homem, Espaço, e Tempo*.
- 2010 Guest Editor "Climate change: understanding anthropogenic contributions and responses". *Population and Environment* 31(5).
- 2009 Co-Guest Editor for the In Focus section of *American Anthropologist* 111(3).

COMMITTEE AND BOARD MEMBERSHIPS

- 2017 - Present Environmental Protection Agency – Board of Scientific Counselors
- 2017 - Present Institute for Resilient Infrastructure Systems – Executive Committee
- 2016 - Present River Basin Center – Executive Committee
- 2015 - 2017 Latin American and Caribbean Studies Institute – Executive Committee