

CHRISTOPHER STEPHEN GALIK

Chancellor's Faculty Excellence Program
Department of Public Administration
School of Public and International Affairs
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Last Updated: July 1, 2022

Education

Doctor of Philosophy; Forestry and Environmental Resources. North Carolina State University. 2014.
Chair: Erin O. Sills. Dissertation: *Institutional Design and Decision-Maker Response: An Investigation of Environmental Policy and Research*.
Master of Environmental Management; Resource Economics and Policy. Nicholas School of the Environment, Duke University. 2002.
Bachelor of Arts; *cum laude*, Biology. Vassar College. 1999.

Professional Experience

2022-Present	Professor <i>Department of Public Administration, NC State Univ., Raleigh, NC.</i>
2019-2022	Associate Professor (with tenure) <i>Department of Public Administration, NC State Univ., Raleigh, NC.</i>
2016-2019	Associate Professor (without tenure) <i>Department of Public Administration, NC State Univ., Raleigh, NC.</i>
2006-2016	Research Analyst/Research Coordinator/Senior Policy Associate <i>Nicholas Institute for Environmental Policy Solutions, Duke Univ., Durham, NC.</i>
2003-2006	Environmental Policy Analyst <i>National Association of Home Builders, Washington, D.C.</i>
2002-2003	Research Associate <i>NC State University/U.S. Department of Agriculture, Raleigh, NC.</i>

Journal Publications (advised students underlined)

1. Godlevskaya, D., **Galik, C. S.**, & Kaufman, N. (2021). Major US electric utility climate pledges have the potential to collectively reduce power sector emissions by one-third. *One Earth*, 4, 1741-1751.
2. **Galik, C. S.**, & Ba, Y. (2021). Historical manufacturing volatility and local sustainability efforts: A link to the past. *Global Environmental Change*, 72, 102421.
3. **Galik, C. S.**, Widiss, R., & Lowe, B. (2021). U.S. state-commissioned energy storage studies: A case study of research and practice in a rapidly evolving field. *Journal of Energy Storage*, 39, 102590.
4. **Galik, C. S.**, & Chelbi, L. (2021). Revisiting institutional stability: A systematic review and distillation of dominant modes. *Environmental Policy and Governance*, 31, 463-473.
5. **Galik, C. S.**, Benedum, M. E., Kauffman, M., & Becker, D. R. (2021). Opportunities and barriers to forest biomass energy: A case study of four U.S. states. *Biomass and Bioenergy*, 148, 106035.
6. DeCarolis, J., Jaramillo, P., Johnson, J., McCollum, D., Trutnevte, E., Daniels, D., ... **Galik, C.S.**, et al. (2020). Leveraging open source tools to build distributed and collaborative macro-energy modeling teams. *Joule*, 4, 2523-2526.
7. Mason, S.A., Olander, L. P., Grala, R. K., **Galik, C. S.**, & Gordon, J. S. (2020). A practice-oriented approach to foster private landowner participation in ecosystem service conservation and restoration at a landscape scale. *Ecosystem Services*, 46, 101203.

8. **Galik, C. S.** (2020). A continuing need to revisit BECCS and its potential. *Nature Climate Change*, *10*, 2-3.
9. **Galik, C. S.**, Latta, G. S., & **Gambino, C.** (2019). The efficacy of near-term greenhouse gas mitigation policy portfolios in U.S. forests and agriculture. *Climate Policy*, *19*, 1270-1283.
10. **Ba, Y.**, & **Galik, C.** (2019). Polycentric systems and multiscale climate change mitigation and adaptation in the built environment. *Review of Policy Research*, *36*, 473-496.
11. **Galik, C. S.**, & Olander, L. P. (2018). A review of the use of early-action incentives in U.S. environmental markets. *Land Use Policy*, *72*, 1-11.
12. **Galik, C. S.**, Murray, B. C., & Parish, M. C. (2017). Near-term pathways for achieving agricultural greenhouse gas mitigation in the U.S. *Climate*, *5*, 69.
13. **Galik, C. S.**, DeCarolis, J. F., & Fell, H. (2017). Evaluating the U.S. mid-century strategy for deep decarbonization amidst early century uncertainty. *Climate Policy*, *17*, 1046-1056.
14. **Galik, C. S.**, & Grala, R. K. (2017). Conservation program delivery in the southern U.S.: Preferences and interactions. *Journal of Environmental Management*, *198P1*, 75-83.
15. **Galik, C. S.**, BenDor, T. K., DeMeester, J., & Wolfe, D. (2017). Improving habitat exchange planning through theory, application, and lessons from other fields. *Environmental Science and Policy*, *73*, 45-51.
16. **Galik, C. S.**, & McAdams, D. L. (2017). Supply, demand, and uncertainty: Implications for prelisting conservation policy. *Ecological Economics*, *137*, 91-98.
17. Murray, B. C., **Galik, C. S.**, & Vegh, T. (2017). Biogas in the United States: Estimating future production and learning from international experiences. *Mitigation and Adaptation Strategies for Global Change*, *22*, 485-501.
18. **Galik, C. S.**, Abt, R. C., Latta, G., **Méley, A.**, & Henderson, J. D. (2016). Meeting renewable energy and land use objectives through public-private biomass supply partnerships. *Applied Energy*, *172*, 264-274.
19. **Galik, C. S.**, Murray, B. C., Mitchell, S., & Cottle, P. (2016). Alternative approaches for addressing non-permanence in carbon projects: an application to afforestation and reforestation under the Clean Development Mechanism. *Mitigation and Adaptation Strategies for Global Change*, *21*, 101-118.
20. **Galik, C. S.**, & Abt, R. C. (2016). Sustainability guidelines and forest market response: An assessment of EU pellet demand in the southeastern U.S. *GCB Bioenergy*, *8*, 658-669.
21. **Galik, C. S.**, Abt, R. C., Latta, G., & Vegh, T. (2015). The environmental and economic effects of regional bioenergy policy in the southeastern U.S. *Energy Policy*, *85*, 335-346.
22. **Galik, C. S.** (2015). Exploring the determinants of emerging bioenergy market participation. *Renewable and Sustainable Energy Reviews*, *47*, 107-116.
23. **Galik, C. S.**, & Jagger, P. (2015). Bundles, duties, and rights: A revised framework for analysis of natural resource property rights regimes. *Land Economics*, *91*, 76-90.
24. **Galik, C. S.**, Murray, B. C., & Mercer, D. E. (2013). Private forest landowner GHG mitigation in the Southeast: Where is the carbon? *Journal of Forestry*, *111*, 17-25.
25. Olander, L. P., **Galik, C. S.**, & Kissinger, G. A. (2012). Operationalizing REDD+: Scope of Reduced Emissions from Deforestation and Forest Degradation. *Current Opinion in Environmental Sustainability*, *4*, 661-669.
26. **Galik, C. S.**, Cooley, D. M., & Baker, J. S. (2012). Assessing production and transaction costs of U.S. forest carbon offset projects. *Journal of Environmental Management*, *112*, 128-136.
27. Abt, K. L., Abt, R. C., & **C. S. Galik.** (2012). Simulating supply response to bioenergy demands in the Southeastern U.S. *Forest Science*, *58*, 523-539.
28. **Galik, C. S.**, & Cooley, D. M. (2012). What makes carbon work? A sensitivity analysis of factors affecting forest offset viability. *Forest Science*, *58*, 540-548.
29. **Galik, C. S.**, & Abt, R. C. (2012). The effect of assessment scale and metric selection on the greenhouse gas benefits of biomass. *Biomass & Bioenergy*, *44*, 1-7.

30. Olander, L. P., Cooley, D. M., & **Galik, C. S.** (2012). The potential role for management of U.S. public lands in greenhouse gas mitigation and climate policy. *Environmental Management*, 49, 523-533.
31. Cooley, D. M., Kousky, C., **Galik, C. S.**, Holmes, T., & Cooke, R. (2012). Managing dependencies: Towards a more complete evaluation of forest offset reversal risk. *Mitigation and Adaptation Strategies for Global Change*, 17, 17-24.
32. Foley, T. F., Richter, D. deB., & **Galik, C. S.** (2009). Extending rotation age for carbon sequestration: A cross-protocol comparison of North American forest offsets. *Forest Ecology and Management*, 259, 201-209.
33. **Galik, C. S.**, Mobley, M. L., & Richter, D. deB. (2009). A virtual “field test” of forest management carbon offset protocols: The influence of accounting. *Mitigation and Adaptation Strategies for Global Change*, 14, 677-690.
34. **Galik, C. S.**, & Jackson, R. B. (2009). Risks to forest carbon offset projects in a changing climate. *Forest Ecology and Management*, 257, 2209-2216.
35. **Galik, C. S.**, Abt, R.C., & Wu, Y. (2009). Forest biomass supply in the Southeastern United States—Implications for industrial roundwood and bioenergy production. *Journal of Forestry*, 107, 69-77.
36. Malmshemer, R. W. (Co-Editor), Heffernan, P. (Co-Editor), Brink, S., Crandall, D., Deneke, F., **Galik, C.**, ... & Stewart, J. (2008). Forest management solutions for mitigating climate change in the United States. *Journal of Forestry*, 106, 115-173.

Book Chapters, Working Papers, and Reports (advised students underlined)

1. **Galik, C. S.**, Baker, J. S., Bartuska, A., & Abt, R. C. (2022). Accounting Considerations for Capturing the GHG Consequences of BECCS. Energy Futures Initiative, Washington, D.C.
2. Yoder, J., Manfra, M., **Galik C.**, & Duckworth, O. (2021). Report on the Impact of the Covid Crisis on Academic Research at North Carolina State University, Inequalities During COVID-19 Subcommittee, University Research Committee. Raleigh, NC: North Carolina State University.
3. Benedum, M. E., **Galik, C. S.**, Kauffman, M., & Becker, D. R. (2019). Evaluating Policy and Market Barriers for Forest Biomass Energy Development. Report prepared for the Office of the Chief Economist, United States Department of Agriculture. Washington, D.C.
4. DeCarolis, J., Dulaney, K., Fell, H., **Galik, C.**, Johnson, J., Kalland, S., Lu, N. ... Tang, W. (2018). Energy Storage Options for North Carolina. Report prepared for the Energy Policy Council, Joint Legislative Commission on Energy Policy, Raleigh, NC.
5. Abt, R. C., Becker, D. R., **Galik, C. S.**, Kauffman, M. J., Latta, G. S., & Malmshemer, R. J. (2018). Projecting landscape forest carbon emissions from changes in forest biomass electricity generation and forest products markets from 2014 to 2035: An analysis in Minnesota, Oregon, South Carolina, Virginia, and Washington. Report prepared for the Office of the Chief Economist, United States Department of Agriculture. Washington, D.C.
6. **Galik, C. S.** (2016). Contributions of LiDAR to Ecosystem Service Planning and Markets: Assessing the Costs and Benefits of Investment. NI WP 16-06. Durham, NC: Duke University.
7. **Galik, C. S.**, Rupert, D., Starkman, K., Threadcraft, J., & Baker, J. S. (2016). Enhancing home energy efficiency through natural hazard risk reduction: linking climate change mitigation and adaptation in the home. In Southwell, B.G., Doran, E. M. B., & Richman, L. S. (Eds.), *Innovations in home energy use: a sourcebook for behavior change* (pp. 111-140). Research Triangle Park, NC: RTI Press.
8. **Galik, C. S.**, Byl, J. P., Langpap, C., & Sorice, M. G. (2016). Researching a reimagined ESA: The continued need and opportunity for voluntary conservation. NI WP 16-03. Durham, NC: Duke University.
9. McGlynn, E., **Galik, C. S.**, Tepper, D., Myers, J., & DeMeester, J. (2016). Building carbon in America’s farms, forests, and grasslands: Foundations for a policy roadmap. Washington, D.C.: Forest Trends.

10. Abt, K. L., Abt, R. C., **Galik, C. S.**, & Skog, K. E. (2014). Effect of policies on pellet production and forests in the U.S. South: A technical document supporting the Forest Service update of the 2010 RPA Assessment. GTR SRS-202. Asheville, NC: U.S. Forest Service, Southern Research Station.
11. **Galik, C. S.**, & Bowman, J. T. (2014). Empirical insight into Section 10 permitting under the Endangered Species Act. NI WP 14-02. Durham, NC: Duke University.
12. Murray, B. C., **Galik, C. S.**, & Vegh, T. (2014). Biogas in the United States: An assessment of market potential in a carbon-constrained future. NI R 14-02. Durham, NC: Duke University.
13. **Galik, C. S.**, & Abt, R. C. (2013). An Initial Assessment of the Economics, Carbon Scores, and Market Impacts of Selected Woody Feedstock Biomass Systems. NI WP 13-06. Durham, NC: Duke University.
14. **Galik, C. S.**, & Abt, R. C. (2012). Forest biomass supply for bioenergy in the southeast: evaluating assessment scale. In McWilliams, W., & Roesch, F. A. (Eds.). *Monitoring across borders: Proceedings of the 2010 joint meeting of the Forest Inventory and Analysis (FIA) symposium and the southern mensurationists* (pp. 255-263). e-GTR SRS-157. Asheville, NC: U.S. Forest Service, Southern Research Station.
15. **Galik, C. S.** (2012). Biogenic carbon accounting: Key considerations to a revised framework. NI WP 12-06. Durham, NC: Duke University.
16. Schneck, J. D., Murray, B. C., **Galik, C. S.**, & Jenkins, W. A. (2011). Demand for REDD carbon credits: A primer on buyers, markets, and factors impacting prices. NI WP 11-01. Durham, NC: Duke University.
17. Abt, R. C., **Galik, C. S.**, & Henderson, J. D. (2010). The near-term market and greenhouse gas implications of forest biomass utilization in the southeastern United States. CCPP 10-01. Durham, NC: Duke University.
18. **Galik, C. S.**, Grinnell, J. L., & Cooley, D. M. (2010). The role of public lands in a low-carbon economy. Durham, NC: Duke University.
19. Olander, L. P., Profeta, T., & **Galik, C. S.** (2010). Sticking Points in Offsets Policy. NI PR OF-2. Durham, NC: Duke University.
20. Baker, J. S., & **Galik, C. S.** (2009). Policy Options for the Conservation Reserve Program in a Low-Carbon Economy. Durham, NC: Duke University.
21. **Galik, C. S.**, Baker, J. S., & Grinnell, J. L. (2009). Transaction costs and forest management carbon offset potential. Durham, NC: Duke University.
22. Olander, L. P., & **Galik, C. S.** (2009). Understanding H.R. 2454: Offsets. NI PR HR-6. Durham, NC: Duke University.

Other Media

1. Murray, S., **Galik, C.S.**, Bast, J., & Hawley, D. (2022). "From 'Think' to 'Do': Operationalizing the SDGs across the Curriculum at North Carolina State University". *UN Chronicle*. <https://www.un.org/en/un-chronicle/think-do-operationalizing-sustainable-development-goals-university-curricula>.
2. Abt, R.C., **Galik, C.S.**, & Baker, J.S. (2022). "When burning wood to generate energy makes climate sense." *Bulletin of the Atomic Scientists*, 78, 152-157.

Conference and Invited Presentations (advised students underlined)

1. **Galik, C.S.** (2022, March). Discussant, Energy Equity: The Distributional Impact, Role of Utility Policies, and Improving Energy Poverty Metrics. Association for Public Policy Analysis and Management Fall Research Conference, Austin, TX.
2. **Galik, C.S.** (2022, March). Invited Panelist, Bioenergy with Carbon Capture and Storage: Sowing the Seeds of a Negative-Carbon Future, Energy Futures Initiative, Washington, D.C.
3. **Galik, C.S.** (2021, October). Invited Moderator, Grid Hardening and Resiliency: Strengthening North Carolina's Ability to Recover from Natural Disasters, Research Triangle Cleantech Cluster, Raleigh, NC.

4. **Galik, C.S.** (2021, September). Invited Moderator, Extreme Weather and the Grid, NC State University Sustainability Office, Raleigh, NC.
5. **Galik, C.S.** (2021, August). Invited Speaker. Environmental Policy and the Power Sector. Duke University Energy Initiative, Durham, NC.
6. **Galik, C.S., & Godlevskaya, D.** (2021, June). An evaluation of polycentricity and the climate-induced relocation of U.S. communities. At What Point Managed Retreat? Resilience, Relocation and Climate Justice. The Earth Institute, Columbia University, New York City, NY.
7. **Galik, C.S.** (2021, June). Panelist. Spring Symposium — BECCS: Bioenergy with Carbon Capture and Storage. MIT Energy Initiative, Massachusetts Institute of Technology, Cambridge, MA.
8. **Galik, C.S., Godlevskaya, D., & Kaufman, N.** (2020, November). The Emissions Implications of Electric Utility Greenhouse Gas Reduction Pledges. Center on Global Energy Policy, School of International and Public Affairs, Columbia University, New York City, NY.
9. **Galik, C.S.** (2020, October). Panelist. Global Change Seminar – Climate Policies and COVID-19, Southeast Climate Adaptation Science Center, Raleigh, NC.
10. **Galik, C.S.** (2020, October). Driving Food, Water, and Energy Solutions. Panelist. Connect: A Series of Research Power Hours. North Carolina State University, Raleigh, NC.
11. **Galik, C.S.** (2020, April-Cancelled). Invited participant, 7th Modeler’s Workshop of the U.S. Department of Energy Bioenergy Technologies Office (DOE BETO), National Renewable Energy Laboratory (NREL), Golden, CO.
12. **Galik, C.S.** (2020, January). The Role of Interest Groups, NGOs, Lobbyists, and PACs in Government. Panelist. North Carolina State University Active Citizenry Series, Raleigh, NC.
13. **Galik, C.S.** (2019, November). An Open Model for Energy Storage Study: Energy Storage Options for North Carolina. Paper presented at the Association for Public Policy Analysis and Management 2019 Fall Research Conference, Denver, CO.
14. **Galik, C.S.** (2019, November). State Energy Storage Studies: From Practice to Research to Practice in a Rapidly Evolving Field (Panel Organizer). The Association for Public Policy Analysis and Management 2019 Fall Research Conference, Denver, CO.
15. **Galik, C.S.** (2019, November). Alternative Environmental Governance Models in a Time of State Retrenchment (Discussant). The Association for Public Policy Analysis and Management 2019 Fall Research Conference, Denver, CO.
16. **Galik, C.S.** (2019, November). New Challenges for Electricity Policy (Panel Chair). The Association for Public Policy Analysis and Management 2019 Fall Research Conference, Denver, CO.
17. DeCarolis, J.F., & **Galik, C.S.** (2019, May). Overview of the North Carolina energy storage report. Presentation given to the North Carolina Utilities Commission, Raleigh, NC.
18. **Galik, C.S.** (2019, March). Negotiating successful environmental planning and management. Panel moderator at the American Society for Public Administration Annual Conference, Washington, D.C.
19. DeCarolis, J.F., & **Galik, C.S.** (2019, February). Overview of the North Carolina energy storage report. Presentation given to the Public Staff, North Carolina Utilities Commission, Raleigh, NC.
20. **Galik, C.S.** (2018, December). The fundamentals of security at the local level. Panelist and group moderator, Fulbright Program Seminar on American Security: Integrating Multiple Perspectives, Raleigh, NC.
21. **Galik, C.S.** (2018, November). Shifting energy landscapes. Panel moderator at the Energy Transitions and Rural Communities workshop, Center for Climate, Energy, Environment, and Economics, University of North Carolina at Chapel Hill, Chapel Hill, NC.
22. **Galik, C.S.** (2018, September). Applied bioenergy modeling: A lesson in uncertainty. Presentation given at the Forestry and Agriculture Greenhouse Gas Modeling Forum, Shepherdstown, WV.
23. **Galik, C.S.** (2018, August). Bioenergy decision-making amidst economic and political change. Presentation given to the annual meeting of the Southern Forest Resource Assessment Consortium, Durham, NC.

24. **Galik, C. S.** (2017, October). Bioenergy with carbon capture and storage. Presentation given to the *ad hoc* Committee on Developing a Research Agenda for Carbon Dioxide Removal and Reliable Sequestration, The National Academies of Sciences, Engineering, and Medicine, Irvine, CA.
25. **Galik, C. S.**, & Olander, L. P. (2016, December). Early action incentives in U.S. environmental markets. Paper presented at ACES 2016 - A Community on Ecosystem Services Linking Science, Practice and Decision Making, Jacksonville, FL.
26. **Galik, C. S.**, & McAdams, D. L. (2015, November). Prelisting conservation policy and landowner behavior: A model of when to conserve. Paper presented at the Association for Public Policy Analysis and Management 2015 Fall Research Conference, Miami, FL.
27. **Galik, C. S.**, & Abt, R. C. (2015, November). The influence of pellet sustainability guidelines on forest market response. Panel moderator at the Society of American Foresters National Convention, Baton Rouge, LA.
28. **Galik, C. S.** (2015, November). Review of current tools and experiences from the private sector. Paper presenter and panel moderator at the Southeast Association of Fish & Wildlife Agencies Annual Conference, Asheville, NC.
29. **Galik, C. S.**, & Abt, R. C. (2015, April). Sustainability guidelines and forest market response: An assessment of E.U. pellet demand in the Southeastern U.S. Paper presented at the NC State Energy Conference, Raleigh, NC.
30. **Galik, C. S.**, Abt, R. C., Latta, G, Vegh, T., & Méley, A. (2014, October). Existing and novel policy options and the sustainable development of regional bioenergy systems. Paper presented at the 2014 NIFA Bioenergy PD Meeting, Arlington, VA.
31. **Galik, C. S.**, & Starkman, K. (2014, October). Innovative partnerships: Defining characteristics and future opportunities. Panel moderator at the National Workshop on Large Landscape Conservation, Washington, D.C.
32. **Galik, C. S.**, & Jagger, P. (2014, June). Bundles, duties, and rights: A revised framework for analysis of natural resource property rights regimes. Paper presented at the Workshop on the Ostrom Workshop - WOW5, Bloomington, Indiana.
33. **Galik, C. S.** (2012, November). Food and fuel (just part of the picture). Paper presented at the Triangle Institute for Security Studies, Raleigh, NC.
34. **Galik, C. S.**, Murray, B. C., & Mercer, D. E. (2012, March). Private forest landowner GHG mitigation in the Southeast: where is the carbon? Paper presented at the Southern Forest Economics Workshop Annual Meeting, Charlotte, NC.
35. **Galik, C. S.**, & Abt, R. C. (2011, November). An empirical assessment of woody biomass greenhouse gas accounting perspectives. Paper presented at the Society of American Foresters National Convention, Honolulu, Hawaii.
36. **Galik, C. S.** (2011, June). Low-carbon opportunities on public lands. Paper presented at the U.S. Society for Ecological Economics Annual Conference, East Lansing, MI.
37. **Galik, C. S.** (2011, February). What makes carbon work? A sensitivity analysis of factors affecting forest offset viability. Paper presented at the 16th Biennial Southern Silvicultural Research Conference, Charleston, SC.
38. **Galik, C. S.**, & Abt, R. C. (2010, November). Near-term market and greenhouse gas implications of forest biomass utilization in the Southeast. Paper presented at the USDA Bioelectricity and GHG Workshop, Washington, D.C.
39. **Galik, C. S.**, & Abt, R. C. (2010, November). Examining the viability of biomass co-firing and repowering as a renewable energy opportunity in the Southeast. Paper presented at the Southeast Biomass Conference and Tradeshow, Atlanta, GA.
40. **Galik, C. S.**, & Abt, R. C. (2010, October). Forest biomass supply for bioenergy in the Southeast: Evaluating assessment scale. Paper presented at the 2010 FIA Symposium, Knoxville, TN.
41. **Galik, C. S.** (2009, July). Road-testing of forest offset protocols. Paper presented at Workshop 6 of the EPRI Greenhouse Gas Emissions Offset Policy Dialogue, Washington, D.C.

42. **Galik, C. S.**, Olander, L. P., & Murray, B. C. (2008, October). Using FIA data for forest management offsets accounting and monitoring. Presentation at the 2008 FIA Symposium, Park City, UT.

Awarded Funding and Project Experience

- United States Department of Agriculture via University of Idaho. Evaluating Policy and Market Barriers to the Use of Forest Biomass for Energy Production in the United States (Subaward PI). 2018. (\$17,882).
- North Carolina Policy Collaboratory. Energy Storage Study for North Carolina (J. F. DeCarolis, PI). 2018. (\$108,650)
- United States Department of Agriculture. Quantifying the Carbon Implications of Targeted Energy and Sequestration Initiatives. (PI). 2016-2018. (\$199,943).
- National Aeronautics and Space Administration (via University of Maryland). Development of Prototype MRV System to Support Carbon Ecomarket Infrastructure in Sonoma County. (Subaward PI). 2014-2015. (\$49,739).
- U.S. Forest Service. An Overview of Policy, Political, and Institutional Contexts of European Union (EU) Renewable Energy Policy and Markets. (Subaward PI) 2014. (\$10,000).
- United States Department of Agriculture. The Effect of Existing and Novel Policy Options on the Sustainable Development of Regional Bioenergy Systems. (PI). 2012-2015. (\$349,083).
- Electric Power Research Institute (via North Carolina State University). An Initial Assessment of Carbon Scores of Selected Woody Feedstock Biomass Systems. (Subaward PI). 2012. (\$18,265).
- World Bank. Addressing Non-Permanence in Land Use, Land-Use Change and Forestry Activities under the UNFCCC: An Options Assessment. (B. C. Murray, PI) 2011-2012 (\$107,591).
- Southern Forestry Resource Assessment Consortium. Implications of Woody Biomass Utilization in the Southeast United States. (PI). 2011-2015 (\$60,000).
- Environmental Defense Fund. Assessment of Biomass Availability in the Southeast United States (PI), 2010-2011 (\$25,000).

Honors and Awards

- NC State Outstanding Teacher Award*. April 2021.
- NC State Challenge Coin recipient*. April 2020.
- Innovation/Impact Award co-winner*, “Energy Storage Options for North Carolina” report, North Carolina State University Office of Sustainability. April 2019.
- Editor's Choice* selection, COP 23: Galik, DeCarolis et al. (2017) selected as one of eight *Climate Policy* articles to be offered open-access to correspond with international negotiations at the 2017 Bonn Climate Change Conference. November 2017.
- Xi Sigma Pi (2014)
- Alumni Graduation Speaker, Duke University Nicholas School of the Environment (2011)
- Presidential Citation, Society of American Foresters (2009)
- Student Graduation Speaker, Duke University Nicholas School of the Environment (2002)
- Masters Project Symposium Award, Duke University Nicholas School of the Environment (2002)
- Extra Mile Commendation, U.S. Department of State (2001)
- Vassar College Graduate Study Fellowship Award (2000-2002)
- General and Departmental Honors (Biology), Vassar College (1999)

University Service, Working Groups, and Affiliations

- Co-Chair, Sustainability Council Academics Working Group, North Carolina State University (2019-Present)
- Steering Committee Member, Kenan Institute for Engineering, Technology & Science Climate Leaders Program, North Carolina State University (2020-Present)
- Member, North Carolina State University, University Research Committee (2020-Present)

Member, College of Humanities and Social Sciences, College Research Committee (2020-Present)
Campus-At-Large Representative, North Carolina State University Campus Design Review Panel (2021-Present)
PhD Admissions Committee, Department of Public Administration, North Carolina State University (2018-Present)
Interim Director of Graduate Programs, PhD Program, Department of Public Administration, North Carolina State University (Spring/Summer 2020)
Member, Renewable Natural Gas Working Group, World Resources Institute (2019-2020).
Faculty Affiliate, USGS Southeast Climate Adaptation Science Center (2017-Present)
Graduate Faculty, Natural Resources Program, NC State University (2017-Present)
Faculty Affiliate, Center for Environmental and Resource Economic Policy (CEnREP), NC State University (2016-Present)
Member, American Society for Public Administration (2017-2021)
Member, Association for Public Policy Analysis and Management (2014-2016, 2018-Present)
Trillium Sustainability Fellow (2017-Present)
Member, 25x'25 Adaptation Working Group (2011-2013)
Member, Duke University Nicholas School of the Environment Alumni Council. (2009-2012)
Observer, Forest Carbon Standards Committee. (2008-2010)
Member, 25x'25 Carbon Working Group. (2008-2010)
Member, Society of American Foresters Task Force on Climate Change. (2007-2008)
Participant, U.S. Senate-Convened Endangered Species Act Habitat Issue Working Group. (2005-2006)

Teaching

North Carolina State University

PS336 Global Environmental Politics (2019)
PA507 Public Policy Process (2016-Present)
PA550 Environmental Policy (2017-Present)
PA551 Energy Policy (2018-Present)
PA598 Applied Problem Solving (2018)
PA714 Research Methods and Traditions (2021-Present)
PA798 Qualitative Research Methods (2019-Present)

Duke University

ENV590.75 Applied Environmental Policy Entrepreneurship (Fall 2013-2014; Spring 2016)

Professional Service

Ad-hoc Journal Review

Science; Proceedings of the National Academy of Sciences; Nature Climate Change; Nature Sustainability; Nature Communications; One Earth; Environmental Research Letters; Global Change Biology Bioenergy; Climate Policy; Energy; Energy Policy; Energy Research and Social Science; Environmental Science and Technology; Frontiers in Ecology and the Environment; Conservation Letters; Interface Focus; Science of the Total Environment; Environmental Science and Policy; Journal of Environmental Management; Ecological Economics; Journal of Public Policy; Mitigation and Adaptation Strategies for Global Change; AAPG Bulletin; Sustainability; Journal of Natural Resource Policy Research; Biomass and Bioenergy; Agricultural Systems; Forest Policy and Economics; Clean Technologies and Environmental Policy; Canadian Journal of Forest Research; Journal of Forestry; Environment, Development, and Sustainability; Ecological Complexity; RTI Press

Miscellaneous Service

- Reviewer, Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Program, National Science Foundation, Washington, D.C. 2022.
- Reviewer, “Renewable Natural Gas as a Climate Strategy: Guidance for State Policy.” World Resources Institute, Washington, D.C. 2019-2020.
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