

Amanda R. Carrico

Associate Professor, Environmental Studies Program, University of Colorado at Boulder
SEEC S201 (office), UCB 397, Boulder, CO 80309, USA
Email: amanda.carrico@colorado.edu; Phone: (303) 492-9163
Website: <http://amandacarrico.weebly.com/>

Education

2009 Ph.D., Psychological Science, Vanderbilt University (Emphasis: Environmental Psychology, Social Psychology, Quantitative Methods)
2005 M.A., Psychology, Vanderbilt University
2002 B.A. (*magna cum laude*), Psychology, Transylvania University

Academic Employment History

University of Colorado, Boulder

2020 – present Associate Professor, Environmental Studies
2014 – 2020 Assistant Professor, Environmental Studies

Vanderbilt University

2012 – 2013 Research Assistant Professor, Climate Change Research Network, Vanderbilt Institute for Energy and Environment
2009 – 2011 Postdoctoral Fellow, Climate Change Research Network, Vanderbilt Institute for Energy and Environment

Current Affiliations

University of Colorado, Boulder

2020 – present Affiliate Professor, Department of Psychology and Neuroscience
2020 – present Faculty Affiliate, Center for Creative Climate Communication & Behavior Change
2018 – present Interim Director, Center for Sustainable Landscapes and Communities
2018 – present Faculty Affiliate, Center for the American West
2016 – present Faculty Affiliate, University of Colorado Population Center
2017 – present Faculty Affiliate, Natural Hazards Center

Honors, Awards, & Fellowships

2023 Research and Innovation Office Faculty Fellow, University of Colorado, Boulder
2022 Outstanding Faculty Mentor, University of Colorado Graduate School
2021 Best Should Teach Gold Award Recipient, University of Colorado,
2021 University of Colorado Campus Sustainability Award for Civic Achievement (with Sharon Collinge and Erin Fried) on behalf of the Center for Sustainable Landscapes and Communities
2021 Outstanding Mentor Award - Honorable Mention, Undergraduate Research Opportunity Program, University of Colorado
2020 - 2021 Faculty Leadership Institute, University of Colorado
2019 Marinus Smith Award, CU Boulder
2018 Early Career Achievement Award, American Psychological Association Society for Environmental, Population, & Conservation Psychology (Division 34)
2010 Dissertation Initiative for the Advancement of Climate Change Research (DISCCRS), Symposium Scholar

2006 – 2008	Environmental Protection Agency, National Network for Environmental Management Scholars Graduate Student Fellowship (tuition and stipend support)
2003-2009	Graduate Student Fellowship, Vanderbilt University
2002	Magna Cum Laude, Transylvania University

Funding

Externally Funded

2022 – 2025	National Science Foundation, PI The Impact of Disruptions to Migration on Land Use and Resilience in Agricultural Systems (NSF-BCS-2149191)	\$415,617
2022	City of Boulder, Open Space and Mountain Parks Division, PI Assessing Household Wildfire Risk and Preparedness in Boulder	\$10,000
2021 – 2026	National Science Foundation, co-PI GCR: Co-defining climate refugia to inform the management of mountain headwater systems (NSF-GCR-2120891)	\$1.9 M
2017 – 2022	National Science Foundation, PI Socioecological System Dynamics Related to Livelihood, Human Migration, and Landscape Evolution (NSF-CNH-1716909)	\$1.5 M
2016	National Science Foundation, co-PI Workshop for Information Exchange and Framework Development for the Study of Epidemiological, Hydrological, and Social Factors Contributing to Chronic Kidney Disease (CKDu) in Sri Lanka (NSF-HS-1638851)	\$37,950
2015 – 2017	Pepsico, PI Maximizing Recycling on a University Campus	\$150,000
2013 – 2017	National Science Foundation, PI Rebound vs. Gateway Effects of Pro-Environmental Behavior (NSF-SES 1325660)	\$497,949
2012 – 2017	National Science Foundation, co-PI Drought and Agricultural Adaptations: An Investigation of Vulnerabilities and Responses to Water Stress Among Paddy Farmers in Sri Lanka (NSF-EAR-1204685)	\$3.7M
2011 – 2016	Office of Naval Research, co-I Environmental Stress and Human Migration in a Low-Lying Developing Nation (#N00014-11-1-0683)	\$4.5M
2010 – 2013	National Science Foundation, co-I Grasses and Gases: Modeling Human Dynamics of Lawn Fertilization and Resultant Nitrous Oxide Emissions	\$450,000

Internally Funded Competitive Grants

2021 – 2022	University of Colorado Population Center, PI Health and Well-being after Abrupt Return Migration in Coastal Bangladesh	\$18,000
2020 – 2021	Center to Advance Research and Teaching in Social Science (CARTSS) An analysis of the historical evolution of conservation appeals since 1960	\$4,500
2018 – 2019	CU Innovative Seed Grant, co-I Resilient and Sustainable Sanitation Systems: Characteristics, Links, and Barriers	\$50,000
2017 – 2018	Center for Science and Technology Policy Research Seed Grant, PI Emerging Responses to Genetically Modified Crops in Boulder County	\$6,000
2015 – 2016	CU School of Environment and Sustainability, co-PI Loving it to Death? Measuring and Managing for the Human Carrying Capacity of Open Space Lands	\$20,000
2011 – 2014	Vanderbilt University Discovery Grant, co-PI Climate Adaptation: Water-Energy Impacts, Perceptions and Behavior	\$99,532

2010 – 2011	Vanderbilt University International Office, co-PI Climate Change Adaptations: A Pilot Study on Drought Impacts, Perceptions, and Behavior	\$15,000
2010	Vanderbilt International Office, co-PI Climate Change Adaptations: Flood Impacts and Perceptions in Sri Lanka.	\$8,000

Bibliography

Underline indicates graduate student; dashed underline indicates undergraduate; *indicates postdoctoral fellow; ^shared first authorship; #indicates corresponding or senior author on work led by my advisees.

Refereed articles and book chapters, published or in press

50. **Carrico, A.R.** (2023). Family Well-Being in the Context of Environmental Migration. In Selena E. Ortiz et al. (Eds), *Family Well-Being in the Context of Environmental Migration*. Springer Nature. *Forthcoming*.
49. Williams, N.E., Dhamruwan, M., **Carrico, A.R.** (2023). Displacement and degradation: Impediments to agricultural livelihoods among ethnic minority farmers in post-war Sri Lanka. *Ambio*, *61*, <https://doi.org/10.1007/s13280-022-01819-8>.
48. Raja, U. S., & **Carrico, A. R.** (2022). Childhood trauma and other formative life experiences predict environmental engagement. *Scientific Reports*, *12*(1), 20756.
47. Best, K., **Carrico, A.R.**, Donato, K., *Mallick, B. (2022). A multicontextual analysis of place attachment, environmental perceptions, and mobility in southwestern Bangladesh. *Translational Issues in Psychological Science*, *8*(4), 461–472. <https://doi.org/10.1037/tps0000347>
46. Truelove, HB, Raimi, K., **Carrico, AR** (2022). Curbing single-use plastic with behaviour change interventions. *Nature Reviews Earth & Environment*, *accepted*.
45. **Carrico, A.R.** (2022). The Promise of Private-Sphere Pro-Environmental Behavior as Climate Action. *Current Climate Change Reports*, *accepted*.
44. Best, K., Gilligan, J., Baroud, H., **Carrico, A.R.**, Donato, K.M., Mallick, B. (2022). Applying Machine Learning to Social Datasets: A Study of Migration in Southwestern Bangladesh Using Random Forests. *Regional Environmental Change*, *accepted*.
43. Burgess, M.G., **Carrico, A.R.**, Gaines, S.D., Peri, A., Vanderheiden, S. (2021). Prepare developed democracies for long-run economic slowdowns. *Nature Human Behavior*, *5*, 1608 – 1621. <https://doi.org/10.1038/s41562-021-01229-y>.
42. Chambers, K.G., **Carrico, A.R.**, Cook, S.M., (2021). Drivers of sustained sanitation access: Social network and demographic predictors of latrine reconstruction after flooding disasters. *Environmental Science: Water Research & Technology*, *7*, 1861 – 1872.
41. Waldman, K., Guido, Z. Todd, P.M., Evans, T., **Carrico, A.R.** Attari, S.Z. (2021). Reorienting climate decision making research for developing countries. *Current Opinion in Environmental Sustainability*, *52*, 92 – 99.
40. Truelove, H.B., **Carrico, A.R.** Kam, L.Y., Wolff, J.M. (2021). Identity and guilt as mediators of pro-environmental spillover. *Frontiers in Psychology: Environmental Psychology*, *12*, 659483. <https://www.frontiersin.org/articles/10.3389/fpsyg.2021.659483/full>
39. **Carrico, A.R.** (2021). Climate Change, Behavior, and the Possibility of Spillover Effects: Recent Advances and Future Directions. *Current Opinion in Behavioral Sciences*, *42*, 76 - 82.
38. Raja, U. & **Carrico, A.R.** (2021). A Qualitative Exploration of Individual Experiences of Environmental Virtual Reality Through the Lens of Psychological Distance. *Environmental Communication*, DOI: <https://doi.org/10.1080/17524032.2020.1871052>
37. Best, K., Gilligan, J. Baroud, H., **Carrico, A.R.**, Donato, K., Ackerly, B., Mallick, B. (2021). Random forest analysis of two household surveys can identify important predictors of migration

- in Bangladesh. *Journal of Computational Social Science*, 4, 77-100. DOI: <https://doi.org/10.1007/s42001-020-00066-9>
36. **Carrico, A.R.**, Donato, K.M., **Best, K.**, Gilligan, J. (2020). Extreme Weather and Marriage among Girls and Women in Bangladesh. *Global Environmental Change*, 65, 102160. <https://doi.org/10.1016/j.gloenvcha.2020.102160>.
 35. Jones CR, Whitmarsh L, Byrka K, Capstick S, **Carrico AR**, Galizzi MM, Kaklamanou D and Uzzell D. (2019). Methodological, Theoretical and Applied Advances in Behavioral Spillover. *Frontiers in Psychology: Environmental Psychology*, 10, 2701. doi: 10.3389/fpsyg.2019.02701
 34. **Tabatabaie, S.**, Litt, L., **Carrico, A.R.** (2019). A study of perceived nature, shade and trees and self-reported physical activity in Denver. *International Journal of Environmental Research and Public Health*, 16(10), 3604. <https://doi.org/10.3390/ijerph16193604>
 33. **Eby, B.**, **Carrico, A.R.**, Truelove, H.B. (2019). Color me green: The influence of environmental identity labeling on the uptake of pro-environmental behaviors. *Climatic Change*, <https://doi.org/10.1007/s10584-019-02501-x>
 32. **Carrico, A.R.** & Donato, K. (2019). Extreme weather and migration: Evidence from Bangladesh. *Population & Environment*, <https://doi.org/10.1007/s11111-019-00322-9>.
 31. **Carrico, A.R.**, Truelove, H.B., Williams, N.E. (2019). Social capital and resilience to drought among smallholding farmers in Sri Lanka. *Climatic Change*, 155(2), 195-213.
 30. *Maki, A., **Carrico, A.R.**, Raimi, K.T., Truelove, H.B., **Araujo, B.**, *Yeung, K.L. (2019). Meta-analysis of pro-environmental spillover. *Nature Sustainability*, 2, 307-315.
- Response**
- Abrahamse, W. (2019). How can people save the planet? *Nature Sustainability*, 2(4), 264–264. [Commentary]
29. **Tozier de la Poterie, A.**, **Burchfield, E.**, **Carrico, A.R.** (2018). The implications of group norms for adaptation in collectively-managed agricultural systems: Evidence from Sri Lankan Paddy farmers. *Ecology and Society*, 23(3), 21.
 28. **Burchfield, E.**, *Williams, N.E., **Carrico, A.R.**. (2018). Rescaling drought mitigation in rural Sri Lanka. *Regional Environmental Change*, 18(8), 2495-2503.
 27. **Carrico, A.R.**, **Raja, U.**, Fraser, J.C., Vandenberg, M.P. (2018). Household and Block Level Influences on Residential Fertilizer Use. *Landscape and Urban Planning*, 178, 60 – 68.
 26. *Williams, N.E., **Carrico, A.R.**, Edirisinghe, I. and Champika, P.A.J. (2018). Assessing the impacts of agrobiodiversity maintenance on food security among farming households in Sri Lanka's dry zone. *Economic Botany*, 72, 196-206.
 25. **Carrico, A.R.**, Raimi, K.T., Truelove, H.B., **Eby, B.** (2018). Putting your money where your mouth is: An experimental test of pro-environmental spillover from reducing meat consumption to monetary donations. *Environment and Behavior*, 50, 723-748.
 24. *Maki, A., **Carrico, A.R.**, Vandenberg, M.P. (2017). Doing the wrong things for the right reasons: How Environmental Misinformation Affects Environmental Behavior in: B.G. Southwell, E.A. Thorson, and L. Sheble (Eds.), *Misinformation and Mass Audiences*. Austin, TX: University of Texas Press.
 23. *Williams, N., **Carrico, A.R.** (2017). Examining adaptations to water stress among farming households in Sri Lanka's Dry Zone. *Ambio*, 46(5), 532-542.
 22. Yoeli, E., Budescu, D.V., **Carrico, A.R.**, Delmas, M.A., DeShazo, J.R., Ferraro, P.J., et al., (2017). Behavioral science tools for energy and environmental policy. *Behavioral Science and Policy Association*, 3(1), 69 – 79.
 21. **Benneyworth, L.**, Gilligan, J., Ayers, J.C., Goodbred, S., George, G., **Carrico, A.**, Karim, M.R., Akter, F., Fry, D. Donato, K., Piya, B. (2016). Drinking water insecurity: Water quality and access in coastal south-western Bangladesh. *International Journal of Environmental Health Research*, 26 (5-6).

20. Donato, K.M., **Carrico, A.R.**, Sisk, B., Piya, B. (2016). Different but the same: How legal status affects international migration from Bangladesh. *Annals of the American Academy of Political and Social Science*, 666, 203 – 218.
 19. Truelove, H.B., *Yeung, K.L., **Carrico, A.R.**, Gillis, A.J., & Raimi, K. T. (2016). From plastic bottle recycling to policy support: An experimental test of pro-environmental behavior spillover. *Journal of Environmental Psychology*, 46, 55 – 66.
 18. *Raimi, K.T. & #**Carrico, A.R.** (2016). Understanding and beliefs about smart energy technology. *Energy Research & Social Science*, 12, 68 - 74
 17. Clayton, S., Devine-Wright, P. Swim, J., Bonnes, M., Steg, L. Whitmarsh, L. **Carrico A.R.** (2016). Expanding the role for psychology in addressing environmental challenges. *American Psychologist*, 71(3), 199 - 215.
- Responses**
- Bridgeman, B. (2016). Population growth underlies most other environmental problems: Comment on Clayton et al. (2016). *American Psychologist*, forthcoming, 72(4), 386-387.
 - Clayton, S., **Carrico, A.R.**, Steg, L., Swim, J., Bonnes, M., Devine-Wright, P. (2017). Psychologists and the problem of population growth: Reply to Bridgeman. *American Psychologist*, 72(4), 388-389.
16. Clayton, S., Devine-Wright, P., Stern, P., Whitmarsh, L., **Carrico, A.R.**, Steg, L., Swim, J., Bonnes, M. (2015). Psychological research and global climate change. *Nature Climate Change*, 5, 640-646.
 15. **Carrico, A.R.**, Truelove, H.B., Vandenbergh, M.P., Dana, D. (2015). Does learning about climate change adaptation change support for mitigation? *Journal of Environmental Psychology*, 41, 19-29.
 14. **Carrico, A.R.**, Vandenbergh, M.P., Stern, P.C., Dietz, T. (2015). US climate policy needs behavioural science. *Nature Climate Change*, 5, 177 – 179.
 13. Truelove, H.B., **Carrico, A.R.**, Thabrew, L. (2015). A socio-psychological model for analyzing climate change adaptation: A case study of Sri Lankan paddy farmers. *Global Environmental Change*, 31, 85-97.
 12. Gu, C.; Crane, J., Hornberger, G., **Carrico, A.R.** (2015). The effects of household management practices on the global warming potential of urban lawns. *Journal of Environmental Management*, 151, 233-242.
 11. ^Truelove, H.B., ^**Carrico, A.R.**, Weber, E., *Raimi, K.T., Vandenbergh, M.P. (2014). Positive and negative spillover of pro-environmental behavior. *Global Environmental Change*, 29, 127-138. [^shared first authorship]
 10. **Carrico, A. R.**, Spoden, M., Wallston, K.A., Vandenbergh, M.P. (2013). The environmental cost of misinformation: Why the recommendation to use warm water for handwashing is problematic. *International Journal of Consumer Studies*, 37, 433-441.
 9. **Carrico, A.R.**, Fraser, J., Bazuin, J.T. (2013). Green with envy: Psychological and social predictors of lawn fertilizer application, *Environment and Behavior*, 45(4), 427-454.
 8. ^Warolin, J., ^**Carrico, A.R.**, Provenzano, E., Avolio, M., Whitaker, L.E., et al. (2012). Effect of BMI on prediction of accelerometry-based energy expenditure in youth. *Medicine & Science in Sports & Exercise*, 44(12), 2438-2435. [^shared first authorship]
 7. **Carrico, A. R.**, Riemer, M. (2011) Motivating energy conservation in the workplace: An evaluation of the use of group-level feedback and peer education. *Journal of Environmental Psychology*, 31(1), 1 – 13.
 6. **Carrico, A.R.**, Vandenbergh, M.P., Stern, P.C., Gardner, G.T., Dietz, T., Gilligan, J.M. (2011). Energy and climate change: Key lessons for implementing the behavioral wedge. *Journal of Energy and Environmental Law*, Winter, 61 – 67.
 5. Vandenbergh, M.P., **Carrico, A.R.**, Bressman, L.S. (2011). Regulation in the behavioral era. *Minnesota Law Review*, 95(3), 715 – 781.

4. **Carrico, A. R.**, Padgett, P., Vandenberg, M. P., Gilligan, J. & Wallston, K. A. (2009). Costly myths: An analysis of idling beliefs and behavior in personal motor vehicles. *Energy Policy*, 37, 2881 – 2888.
3. Perry, J. E., Moore, I., Barry, B., Clayton, E. W. & **Carrico, A. R.** (2009). The ethical health lawyer: An empirical assessment of moral decision-making. *Journal of Law, Medicine & Ethics*, 37 (3), 461 – 475.
2. Stetson, B. A., **Carrico, A.R.**, Beacham, A. O., Ziegler, C. H., & Mokshagundam, S. P. (2006). Feasibility of a pilot intervention targeting self-care behaviors in adults with Diabetes Mellitus. *Journal of Clinical Psychology in Medical Settings*. 13, 239 – 249.
1. Helweg-Larsen, M., Cunningham, S. J., **Carrico, A.**, & Pergram, A. M. (2004). To nod or not to nod: an observational study of nonverbal communication and status in female and male college students. *Psychology of Women Quarterly*, 28, 358-361.

Peer reviewed national reports

1. National Academies of Sciences, Engineering, and Medicine. (2019). Environmental Engineering for the 21st Century: Addressing Grand Challenges. Washington, DC: The National Academies Press. [D. Grasso, C.H. Benson, **A.R. Carrico**, K. Chandran, G.W. Clough, J.C. Crittenden, D.S. Greenbaum, S.P. Hamburg, T.C. Harmon, J.M. Hughes, K.L. Jones, L.C. Marr, R. Perciasepe, S.Polasky, M.L. Savitz, N.R. Scott, R.. Trussell, J.B. Zimmerman]

Other Publications

1. *As more climate migrants cross borders seeking refuge, laws will need to adapt* (June 8, 2021). The Conservation. Katharine Donato, **Amanda Carrico** & Jonathan Gilligan, edited by Beth Daley.

Published abstracts

- Carrico, A.R.** & Wallston, K. (2010). Social desirability or acquiescence? A comparison of positively- and negatively-worded subscales within the Marlowe-Crowne Social Desirability Scale. *Annals of Behavioral Medicine*, 39, 25-25.
- Barry, B., **Carrico, A.R.**, Smith, W.P., Goates, N. (2006). Ethics across the boundaries of social identity: The role of intergroup bias in the perception of unethical behavior. *International Association of Conflict Management, Meetings Paper*.

Invited Talks, Papers, and Presentations

- 2022** US Embassy in Bangladesh, Delta Dynamics, Livelihoods, and Migration in Bangladesh. Dhaka, Bangladesh.
- 2022** Utrecht University, Human Geography and Spatial Planning Seminar Series. Utrecht, Netherlands.
- 2022** University of Michigan, The Human Cost of Climate Change (Workshop). Virtual.
- 2022** Society for Environmental, Population, and Conservation Psychology, Conference on Promoting a Healthy and Sustainable Future, Virtual.
- 2021** Pennsylvania State University, National Symposium on Family Issues, State College, PA
Yale School of the Environment, BIOMES Seminar Series. New Haven, CT.
- 2020** NoCo Spaces, Boulder, CO
- 2019** University of California – Irvine, School of Social Sciences & School of Social Ecology
Summer Institute for Social and Personality Psychology (SISPP), New York, NY
Society for Personality and Social Psychology, Sustainability Preconference, Portland, OR
Vanderbilt Law School, BW+10 Workshop, Nashville, TN
- 2018** American Psychological Association, Early Career Award Address, San Francisco, CA.

- Behavioral Science and Policy Association (Keynote), Washington, D.C.
 Independent University of Bangladesh, ICCCAD Seminar Series, Dhaka, Bangladesh.
 Environmental Protection Agency, Energy Star Brownbag Series, National Webinar
- 2017** Colorado School of Mines, Van Tuyl Lecture Series, Golden, CO
 Ministry of Disaster Management, Climate Change Risk of Dry Zone Farmers, Sri Lanka
- 2016** Society for Personality and Social Psychology, San Diego, CA
 Mahaweli Authority of Sri Lanka, Irrigation Management Division, Kurunegala, Sri Lanka
- 2015** Wilfrid Laurier University, Department of Psychology Seminar, Waterloo, Canada.
 Claremont College, Workshop: Wellbeing and its Ecological Implications, Claremont, CA
 Society for Personality and Social Psychology, Sustainability Preconference, Long Beach, CA
 International Water Management Institute, Colombo, Sri Lanka
 Vanderbilt University, Ethnosurvey in Global Contexts Workshop, Nashville, TN
- 2014** University of Colorado, School for the Environment and Sustainability Series, Boulder, CO
 National Building Research Organization, National Workshop, Colombo, Sri Lanka
- 2013** Columbia University, Workshop on Topics in Choice Architecture, New York, NY.
 Indiana University, Vincent and Elinor Ostrom Workshop, Bloomington, IN
 University of Virginia, Institutional Design for Conservation, Charlottesville, VA.
 University of Michigan, School of Natural Resources and Environment, Ann Arbor, MI
 University of Colorado, Environmental Studies Program, Boulder, CO
 George Mason University, Department of Environmental Science and Policy, Fairfax, VA
- 2012** EnergySavvy, Energy Summit, Seattle, WA
- 2011** University of Texas, Smart Grid Conference, Austin, TX
 Tennessee Solar Valley Coalition, Environmental Outreach Symposium, Nashville, TN.
- 2010** George Washington University Law School, Energy and the Law, Washington, D.C.

Symposia Organized

- 2020** Chair, Assessing and Responding to the Psychosocial Impacts of Climate Change. *Society for Personality and Social Psychology, New Orleans, LA.*
- 2017** Co-Chair, Net Gains for Pro-Environmental Behavior: Rebound Effects and Gateway Effects, *Public Workshop held at the University of Michigan.*
- 2016** Co-Chair, Interdisciplinary Approaches to Sustaining Agriculture in a Water-Poor World. *American Geophysical Union, San Francisco, CA.*
- 2013** Co-chair, Water, Energy and Food Security in a Changing World. *American Geophysical Union Union Session, San Francisco, CA.*

Talks Given at Refereed Professional Meetings

- 2021** Donato, K.M., Carrico, A.R., Schmeer, K., & Soni, M. (2021). Gender, Climate Change and Health in Bangladesh: Examining gender differences in relationship between climate change and self-rated health. *International Association for Population Health Science Annual Meeting (Baltimore, MD).*

- Carrico, A.R.**, Raimi, K. (2021). What Factors Drive Environmental Behavior Spillover?: A Meta-Analytic Examination of the Experimental Literature. *International Conference on Environmental Psychology (Siracusa, Italy)*.
- Carrico, A.R.**, Donato, K.M. Climate variability and the timing of marriage in coastal Bangladesh. *Population Association of America Annual Meeting (Kansas City; Virtual due to COVID pandemic)*.
- Donato, K.M., **Carrico, A.R.**, Valentine, L., Wilson, C., Rogers, K.G., Caron, L. Erosion, Accretion and Migration in Bangladesh. *Population Association of America Annual Meeting (Virtual due to COVID-19 pandemic)*.
- 2020 Carrico A.R.**, Rogers, K.G., Wilson, C., Donato, K. Gilligan, J. Livelihoods, Mobility, and Flood Infrastructure in the Ganges-Brahmaputra-Meghna Delta. *American Geophysical Union Annual Meeting (Virtual due to COVID-19 pandemic)*.
- Raja, U. & **Carrico, A.R.** Environmental Virtual Reality: An Exploration of First Time User Experiences. *American Geophysical Union Annual Meeting (Virtual due to COVID-19 pandemic)*.
- Valentine, L.A., Wilson, C.A., **Carrico A.R.** The effects of erosion on migration and sustainability of three barforms in the Lower Meghna River, Bangladesh. *Geological Society of America Annual Meeting (Virtual due to COVID-19 pandemic)*.
- Carrico, A.R.**, Donato, K.M., Best, K., Gilligan, J. Is climate change exacerbating gender inequality? *European Association for Social Psychology, Krakow Poland* [canceled due to COVID-19 pandemic]
- Donato K, **Carrico AR**, Valentine L, Wilson C, Rogers, K. Migration and the Changing Physical Landscape in Bangladesh. *Population Association of America, Washington DC* [canceled due to COVID-19 pandemic]
- Carrico, A.R.**, Donato, K.M., Best, K, Gilligan, J. Extreme Weather and the Probability of Marriage among Women in Bangladesh. *Society for Personality and Social Psychology, New Orleans, LA*.
- 2019 Osborne-Gowey, J.** & **Carrico, A.R.** The role of social networks in knowledge transmission and farming practices in Sri Lankan agricultural systems. *International Conference on Environmental Psychology, Plymoth, United Kingdom*.
- Carrico, A.R.**, Donato, K.M., Gilligan, J. Extreme Weather and the Probability of Marriage among Women in Bangladesh. *Population Association of America, Austin, TX*.
- Carrico, A.R.** & Donato, K.M.. The effects of social networks on environmentally induced migration in Bangladesh. *Gobeshana5: International Conference on Climate Knowledge, Dhaka, Bangladesh*.
- 2018 Best, K.**, Gilligan, J.M., Baroud, H., **Carrico, A.R.**, Donato, K., Ackerly, B., Mallick, B. A Machine Learning Analysis of Multiple Social Surveys to Understand Environmental Migration in Coastal Bangladesh. *Annual Meeting of the American Geophysical Union, Washington D.C*.
- Chambers, K., **Carrico, A.**, & Cook, S.M. Social Network Patterns of Latrine Re-adoption Following Flood Events, *North Carolina Water and Health Conference, Chapel Hill, NC.*
- Carrico, A.R.**, *Maki, A., Truelove, H.B., Raimi, K.T. Rebound or gateway effects? An investigation into pro-environmental spillover. *International Congress of Applied Psychology, Montreal, Canada*.

- Carrico, A.R. & Fried, E.** Increasing Recycling in an Organizational Setting: Results from Two Intervention Studies. *International Congress of Applied Psychology, Montreal, Canada.*
- Carrico, A.R. & Donato, K.** Do social ties moderate the effect of extreme weather on migration? Evidence from Bangladesh. *Annual Meeting of the Population Association of America, Denver, CO.*
- 2017** Riemer, M. & **Carrico, A.R.** Group Level Feedback & Peer Education in Office Buildings. *International Conference of Environmental Psychology, A Coruña, Spain.*
- 2016** **Carrico, A.R.,** Gilligan, J., Truelove, H.B. Actual vs. Perceived Climate Variability among Smallholding Rice Farmers. *Annual Meeting of the American Geophysical Union, San Francisco, CA.*
- Carrico, A.R.** How Does Policy Affect Our Attitudes and Beliefs About Climate Change? *Annual convention of the American Psychological Association, Denver CO.*
- Raimi, K. T., **Carrico, A. R.,** & Truelove, H. B. Climate change spillover: When does one pro-climate behavior affect subsequent climate action? *Annual meeting of Society for Experimental Social Psychology, Santa Monica, CA.*
- Piya, B., Donato, K., Sisk, B., **Carrico, A.R.** Migration, social capital, and the environment in Bangladesh. *Annual meeting of the Population Association of America, Washington, D.C.*
- Donato, K., **Carrico, A.R.,** Sisk, B., Piya, B. Different but the same: How legal status affects international migration from Bangladesh. *Annual meeting of the Population Association of America, Washington, D.C.*
- 2012** Hornberger, G.M. & **Carrico, A.R.** Determining paths by which farmers can adapt effectively to scarce freshwater resources. *American Geophysical Union Annual Meeting, San Francisco, CA.*
- Carrico, A.R.,** Riemer, M. Group level feedback & peer education in commercial buildings. *Climate, Mind and Behavior Symposium, The Garrison Institute, Garrison, NY.*
- 2011** **Carrico, A.R.,** Truelove, H.B., Vandenberg, M.P., Dana, D. Does information about adaptation to climate change affect support for mitigation? *Behavior, Energy and Climate Change Annual Meeting, Washington, D.C.*
- Carrico, A.R.,** Fraser, J., Bazuin, J. Exploring factors that shape household lawn fertilization. *Association of American Geographers Annual Meeting, Seattle, WA.*
- Bazuin, J.T., Fraser, J.C., **Carrico, A.R.** (2011). The use of spatialized social networks to analyze neighborhood influences on household decision making around yard care. *Association of American Geographers Annual Meeting, Seattle, WA.*
- Fraser, J., Bazuin, J., **Carrico, A.R.** The construction of neighborhood and its effects on lawn fertilization rates. *Association of American Geographer's Annual Meeting, Seattle, WA.*
- 2008** **Carrico, A.R. & Riemer, M.** Towards an evidence-based approach to environmental behavior change programs: a case study of Vanderbilt's "ThinkOne" energy conservation campaign. *Behavior, Energy and Climate Change Conference, Sacramento, CA.*
- Carrico, A.R.,** Wallston, K. A., Vandenberg, M. T. The effects of public education on pro-environmental attitudes and behavior: Results from Nashville's outreach efforts. *National Air Quality Conferences, Portland, OR.*
- 2006** **Carrico, A.R.,** Barry, B., Smith, W.P., & Goates, N. Ethics across the boundaries of social identity: The role of intergroup bias in the perception of unethical behavior. *International Association of Conflict Management, Montreal, Canada.*

Carrico, A.R., Artates, L.M., Vandenberg, M.P., Wallston, K.A., Cohen, M. Motivating individuals to action through psychology: Applying theories of behavior change to the development of a public awareness campaign. *National Air Quality Conference, San Antonio, TX.*

Posters Presented at Refereed Professional Meetings

- 2022 Carrico, A.R.** & Donato, K. (2022). Climate Stress and Child Marriage in Southwestern Bangladesh. *Wittgenstein Centre for Demography and Global Human Capital Annual Conference, Vienna, Austria.*
- Wilson Burns, H., Carrico, A.R., Donato, K., Best, K. Women's Internal Migration in Bangladesh: Investigating Type, Timing, and Environmental Intersections. *Population Association of America, Atlanta, GA.*
- Best, K., Mallick, B., Carrico, A.R., Donato, K. Place Attachment, Community Cohesion, and Migration in Southwestern Bangladesh. *Population Association of America, Atlanta, GA.*
- 2021 Raja, U. & Carrico, A.R. (2021).** Formative Experiences and the Role of Psychological Distance in the Lives of Highly Engaged Environmental Citizens (HEECs). *American Geophysical Union, New Orleans, LA.*
- 2018 Carrico, A.R.,** Donato, K. (2018). Human Migration as a Response to Extreme Temperature and Rainfall: Historical Evidence from Bangladesh. *American Geophysical Union, Washington D.C.*
- Valentine, L.A., Wilson, C., Rogers, K.G., **Carrico, A.R.,** Donato, K., Gilligan, J.M. (2018). Sediment Accretion and Erosion in Poldered and Non-Poldered Regions within the Ganges-Brahmaputra-Meghna Delta, Bangladesh: Implications for River Channel Migration and Flood Risk. *Annual Meeting of the American Geophysical Union, Washington D.C.*
- Lee-Ammons, N. & Carrico, AR (2018). Support for policies regulating genetically modified foods: The roles of risk, trust, and knowledge. *Society for Personality and Social Psychology, Sustainability Pre-conference.*
- 2017 Carrico, A.R.,** Donato, K., Piya, B. (2017). Cyclone impacts on migration in coastal Bangladesh. *Population Association of America, Chicago, IL.*
- 2016 *Williams, N.E. & Carrico, A.R.** (2016). Examining adaptations to water stress among farming households in Sri Lanka's dry zone. *American Geophysical Union Annual Meeting, San Francisco, CA.*
- 2012 Jacobi, J., Carrico, A.R.,** Gilligan, J., Hornberger, G. (2012). Diffusion of a sustainable farming technique in Sri Lanka: An agent-based modeling approach. *American Geophysical Union Annual Meeting, San Francisco, CA.*
- Truelove, H.B., **Carrico, A.R.,** Thabrew, L., Jacobi, J. & Hornberger, G. (2012). Agricultural adaptation in Sri Lanka: Psychological and Environmental Influences. *American Psychological Association Annual Meeting, Orlando, FA.*
- 2010 Carrico, A.R.,** Schlundt, D., Wallston, K., Buchowski, M. (2010). Commuter choices & carbon footprints: A feasibility study using GPS and accelerometry to measure transportation behavior. *Behavior, Energy and Climate Change Conference, Sacramento, CA.*
- Carrico, A.R.,** Wallston, K.A. (2010). Social desirability or acquiescence bias? A comparison of positively- and negatively-worded subscales within the Marlowe-Crowe Social Desirability Scale. *Society for Behavioral Medicine Annual Meeting, Seattle, WA*

- 2009 Carrico, A.R.** & Riemer, M. (2009). Motivating pro-environmental behavior in an organizational setting: the use of feedback and peer education to reduce energy use. *Behavior, Energy and Climate Change Conference, Washington, D.C.*
- Wallston, K.A., Osborn, C.Y., & **Carrico, A.R.** (2009). The problem with balanced scales: Factor analyses of the perceived expectancies index. *Society for Behavioral Medicine Annual Meeting, Montreal, Canada.*
- 2007 Carrico, A.R.**, Wallston, K., Cohen, M. & Vandenberg, M. (2007). Activating norms to change driving habits: An examination of persuasive communication techniques based on the norm activation model. *Behavior, Energy and Climate Change Conference, Sacramento, CA.*
- 2006 Smith, W.P., Carrico, A.R.,** Barry, B. (2006). The reciprocal relationship between political identity and politically relevant variables. *Society for Experimental and Social Psychology, Philadelphia, PA.*
- Carrico, A.R.,** Smith, W.P., & Barry, B. (2006). Political party identity and political action in a presidential election: A panel study. *International Society for Political Psychology, Barcelona, Spain.*
- Carrico, A.R.,** Smith, W.P. & Barry, B. (2006). Politics and identity: An examination of partisan identity and political behavior in a panel study of college undergraduates during the 2004 U.S. federal election. *Society of Personality and Social Psychology, Palm Springs, CA.*
- 2005 Smith, W. P., Carrico, A.R.,** & Barry, B. (2005). Political party identity, ideology, and activism among first-time voters in a presidential election: A preliminary report of a panel study. *Society of Experimental Social Psychology, San Diego, CA.*
- Smith, W. P., **Carrico, A.R.,** & Barry, B. (2005). The group roots of activism: A study of undergraduate student partisan identity and political activism during the fall, 2004 presidential campaign. *Society for the Psychological Study of Social Issues, Portland, OR.*
- Carrico, A.R.,** Barry, B., & Smith, W. P. (2005). Moral inconsistencies: The role of intergroup bias in the perception of unethical behavior. *Society of Personality and Social Psychology, New Orleans, LA.*
- 2004 Smith, W. P., Carrico, A.R.,** & Long, A. (2004). Related attributes and the social comparison of ability: The proxy effect and social identity processes. *Annual meeting of the Society for Experimental and Social Psychology, Fort Worth, TX.*
- 2003 Stetson, B.A., Beacham, A.O., Carrico, A.,** Ziegler, C.H. (2003). "Take Charge of Your Lifestyle": A pilot self-regulation intervention targeting cardiovascular disease risk reduction in adults with Diabetes Mellitus. *Association for the Advancement of Behavioral Therapy, Boston, MA.*
- 2002 Pergrem, A., Cunningham, G., Helweg-Larsen, M., & Carrico, A.** (March, 2002). Nonverbal communication and status: An observational study of subordination in male college students. *Kentucky Psychological Association Poster Conference, Louisville, KY.*

Professional Service and Leadership Activities

Professional service within the University of Colorado

2014 – present	ENVS Graduate Committee
2020 – 2021	Boulder Faculty Assembly, Student Affairs Committee
2020 – 2021	Representative, Boulder Faculty Assembly
2019 - 2020	Search Committee (Coupled Human Natural System)

2020 – 2021	Primary Unit Evaluation Committee (Peter Newton)
2017 – 2019	Associate Director of Environmental Studies, Director of Graduate Studies, University of Colorado at Boulder
2014 – 2019	ENVS Executive Committee / Merit Review Committee
2017	Primary Unit Evaluation Committee (Atreyee Bhattacharya)
2016 – 2017	Search Committee (Natural Resource Policy and Governance)

Professional service outside of the University of Colorado

2022 -	Board of Scientific Affairs, American Psychological Association (elected to 3-year term)
2021 -	Associate Deputy Editor, <i>Climatic Change</i>
2020 -	Executive Committee Member-At-Large / Membership Chair, Division 34, American Psychological Association
2018 – 2019	Guest Editor, Special Issue: Methodological, Theoretical and Applied Advances in Behavioural Spillover, <i>Frontiers in Psychology</i>
2018 – 2019	Awards Committee, APA Society for Environmental, Population, and Conservation Psychology
2017 – 2019	Invited Member, Committee on Grand Challenges and Opportunities in Environmental Engineering and Science for the 21 st Century, National Academies of Science, Engineering, and Medicine
2015 - 2018	Associate Deputy Editor, <i>Climatic Change</i>
2016	Invited Member, Behavioral Science and Policy Association (BPSA), Energy & Environment Working Group. (<i>Invited participant on a panel convened to make recommendations for the White House Behavioral and Social Science team on the design of environmental policy within the federal government</i>)
2015 – 2016	Divisional Programming Chair, 2016 APA Convention (Division 9: SPSSI)
2005 – 2013	Board of Directors, Clean Air Partnership of Middle Tennessee
2010 – 2013	Environmental Advisory Committee, Vanderbilt University
2007 – 2008	Environmental Mission Statement Working Group, Vanderbilt University

Grant reviews

NSF; USDA National Institute for Food and Agriculture; Research Council of Norway: Energy Research Program; Dissertation Initiative for the Enhancement of Climate Change Research (DISCCRS)

Journal reviews

PNAS; Population and Environment; Psychological Science; Nature Climate Change; American Psychologist; Journal of Environmental Psychology; Perspectives on Psychological Science; Environment and Behavior; American Journal of Community Psychology; Energy Policy; Ecopsychology; PLOS One; American Sociological Review; Climatic Change; American Journal of Public Health; Journal of Cleaner Production; International Journal of Disaster Risk Reduction

Discussant/Panelist

2020 Population Association of America (Environment and Population Behaviors, Discussant)

Teaching & Advising

Courses Taught

2018 - 2021	ENVS 3031: Environmental Psychology
2020 - 2021	ENVS 5004: Methods in Environmental Studies
2020	ENVS 4100: Applied Social Research
2018	ENVS 5100: Behavioral Insights for Sustainability

2014 - 2017	ENVS 3031: Energy and Human Behavior
2015 - 2017	ENVS 4800: Environment and Development in South Asia
2014 - 2019	ENVS 5120: Survey Methodology
2015	ENVS 5160: Loving it to Death? Measuring and Managing for the Human Carrying Capacity of Open Space Lands
2014	ENVS 4800: Human Behavior in the Commons

Graduate and Postdoctoral Advisees

2015 – 2016	Brianne Eby, MS, Primary Advisor (currently a policy fellow at the Eno Transportation
2015 – 2017	Nicholas Williams (currently Assistant Professor, Cal Poly)
2016 – 2021	Urooj Raja, PhD, Primary Advisor (current Assistant Professor at Loyola – Chicago)
2016 – 2019	Nathan Lee-Ammons, MS, Primary Advisor
2017 – 2021	Jeremiah Osborne-Gowey, PhD, Primary Advisor (currently Teaching Assistant Professor, University of Colorado, Boulder)
2016 – present	Victoria Stout, PhD Student, Primary Advisor
2020 – present	Helen Wilson Burns, PhD Student, Primary Advisor
2022 – present	Natalie Bennett, PhD Student, co-advised with Dr. Karen Bailey
2022 – present	Samina Islam, MS Student, co-advised with Dr. Karen Bailey

Undergraduate Honors Students

Completed: Aiden Jorgenson (Graduated 2021); Taylor Heisler (Graduated 2021); Mikaila Wahl (Graduated 2020); Brenna Wider (Graduated 2018); Rachel Halverson (Graduated 2018); Alejandra Pedraza (Graduated 2017); Kelly Buchanan (Graduated 2016); Sarah Egner (Graduated 2016); Joshua Temes (Graduated 2016); Mary O’Neill (Graduated 2015)

Secondary Advisees & Committees

Postdoctoral Fellows

Alexander Maki, Vanderbilt University (2015-2018, advising committee)
Kaitlin Raimi, Vanderbilt University (2014-2016, advising committee)

Graduate Students

Emily Burchfield (PhD Environmental Engineering 2017, advised secondary research project 2013-17)
Arielle Tozier de la Poterie (PhD Environmental Studies, advised as a graduate research fellow 2015-17)
Xi Wang (PhD student in Geography, advised as a graduate research fellow 2015-16)

Graduate Committees

Current: Anna Hermes, ENVS (PhD, committee member); Diana Dorman (PhD, committee member); Tim Molnar, ENVS (PhD, committee member). ***Completed:*** Casey White, Environmental Studies, (MS 2021, committee member); Katherine Chambers, Environmental Engineering (PhD 2021, committee member); James Harper, Environmental Engineering (PhD 2020, committee member); Allison Gray (PhD 2020, external committee member, U. of Windsor); Stefi Mitova, Environmental Studies (PhD 2020, committee member); Sarah Tabatabaie (PhD 2018, committee member); Marisa McNatt (PhD 2018, committee member); Bethany Rigles (PhD 2018, committee member); Arielle Tozier de la Poterie (PhD, 2017, project advisor & committee member); Lucy McAllister (PhD 2017, committee member); Chris Jochem (PhD 2016, committee member); Rebecca Schild (PhD 2016, committee member); Emily Burchfield (PhD 2017); John Jacobi (PhD 2014); John Crane (PhD 2015); Charlotte Buehler (MPH 2014)

Undergraduate Honors Committees

Lindsey Boudreau (2018); William Downie (2017-18); Aaron Charney (2015-16); Margaret Fryke (2014-15); Erica Jacobs (2014-15); Alison Shlom (2014-15)

Outreach and Communication

Research Covered By

Daily Camera (2021); CNN (2019); CBC News (2019); National Public Radio, PA affiliate (2019); APA Monitor (2019); Dhaka Tribune (2019); Vox (2018); Reader's Digest (2018); BBCNews (2017); Futurity (2017); Scientific American (2017); Washington Post (2016, 2015, 2014); Women's Health Magazine (2014); Miami Herald (2014); Smithsonian Magazine (2013); National Geographic (2013); Grist (2013); ThirdAge.com (2013); Futurity (2013); San Francisco Valley Sun (2013) Psychology Today (2013); The Tennessean (2011, 2010); Pacific Standard (2009); USA Today (2009)