

K. L. Akerlof, PhD
George Mason University
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EDUCATION

- 2012 Ph.D., Environmental Science & Public Policy, George Mason University
Dissertation: *Risky business: Engaging the public in policy discourse on sea-level rise and inundation*
Committee: Katherine E. Rowan (Co-Chair), Edward W. Maibach (Co-Chair), Robert Jonas, Todd La Porte, Dann Sklarew
- 2009 M.S., Environmental Science & Policy, George Mason University
Thesis: *Models: The missing piece in climate change coverage*
Committee: Katherine E. Rowan (Chair), Lee Talbot, Ronald Yaros
- 1991 B.A., Political Science, University of Michigan, Ann Arbor
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ACADEMIC POSITIONS

- Aug. 2019- Assistant Professor, Dept. of Environmental Science & Policy, George Mason University
- Sept. 2018-Aug. 2019 Affiliate Faculty, Dept. of Environmental Science & Policy, George Mason University
- Aug. 2018-Nov. 2019 Senior Research Scientist, Decision Research
- Sept. 2017-Dec. 2018 Visiting Scholar, American Association for the Advancement of Science
- May 2013-Aug. 2018 Research Assistant Professor, Center for Climate Change Communication, Dept. of Communication, George Mason University (*member of graduate faculty*)
- Sept. 2015-May 2018 Adjunct Faculty, Energy Policy and Climate Program, Johns Hopkins University
- Sept. 2016-Aug. 2017 Congressional Science Fellow, U.S. Senate, American Geophysical Union/American Association for the Advancement of Science
- Nov. 2012-May 2013 Research Associate, Center for Climate Change Communication, Dept. of Communication, George Mason University
- Jul. 2007-May 2010 Graduate Research Assistant, Center for Climate Change Communication, Dept. of Communication, George Mason University
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FUNDING

- 2023-2024 **Akerlof, K. L.** & Schenk, T. *Bridging science and policy in the states: A study of emerging mechanisms to train scientists and engineers.* 4-VA@Mason Collaborative Research Grant. \$19,820.
- 2021-2023 **Akerlof, K.,** Pfoser, D., & Goldman, E. *LegisSciT: A cooperative longitudinal data tracking platform for the international study of legislative science advice.* [Seed

- grant] Institute for Digital InnovAtion, George Mason University. \$37,233.50.
- 2022-2023 **Akerlof, K.**, Wingfield, A., Campbell, J., & Caruso, M. *Teaching systems thinking and civic engagement as core skills for global problem-solving*. Office of the Provost and Executive Vice President, George Mason University. \$34,400.
- 2021-2023 **Akerlof, K.**, & Timm, K. T. [EAGER] *Equity in scientific co-production processes: Creation of a framework*. Science of Science: Discovery, Communication, and Impact (SoS:DCI), National Science Foundation. \$206,765.
- 2020-2023 **Akerlof, K.** *Testing strategies to encourage sun protection behaviors that protect visitors and aquatic ecosystems*. National Park Service, Chesapeake Watershed Cooperative Ecosystem Studies Units. \$59,996.
- 2019-2022 **Akerlof, K.**, Sherman, E., & Downs, C. *Sun protection without ecological harm: Promoting reef-friendly visitor behavior in National Parks*. Resource Systems Group, Inc. & National Park Service. \$266,628.
- 2020-2021 Salerno, J., Rosenberg, J., **Akerlof, K.**, Solomon, L., & Blair, P. *Preparing rising scientists to navigate the science policy interface: Developing a cross-disciplinary minor in science and technology policy*. Office of the Provost and Executive Vice President, George Mason University. \$31,915.
- 2019-2020 **Akerlof, K.**, Clarke, C., Rowan, K., & Olds, J. *Conservation and environmental science communication: Development of a transdisciplinary curriculum*. Office of the Provost and Executive Vice President, George Mason University. \$38,750.
- 2018-2019 **Akerlof, K.**, & Tyler, C. [RAPID] *Legislative science advice: Formative research to develop an international research agenda*. Science of Science Innovation and Policy, National Science Foundation. \$96,543.
- 2017-2018 **Akerlof, K.**, Lemos, M. C., Cloyd, E., Heath, E., & Kempinski, R. *Barriers and opportunities in communicating science to Congress*. National Oceanic and Atmospheric Administration, \$37,400.
- 2012-2016 **Akerlof, K.**, & Maibach, E. W. *Research support for the Climate Communication Consortium of Maryland*. Town Creek Foundation. \$900,000.
- 2014-2016 Rowan, K., & **Akerlof, K.** *Science communication education for Virginia Sea Grant fellows*. Virginia Sea Grant. \$55,000.
- 2014-2016 **Akerlof, K.** *Research and assessment for Pickering Creek Center's saltmarshes and community engagement program*. Audubon Maryland-DC / National Audubon Society and Town Creek Foundation. \$20,000.
- 2012-2013 **Akerlof, K.**, & Kennedy, C. *Harnessing social science to promote conservation: Mechanisms of decision making and behavioral change*. Gordon and Betty Moore Foundation. \$20,000.
- 2011-2012 **Akerlof, K.**, La Porte, T., Rowan, K., Batten, B., Rajasekar, M., Ernst, H., Nataf, D., & Dolan, D. *Community adaptation to sea-level rise and inundation (CASI)*. National Oceanic and Atmospheric Administration, Mid-Atlantic Sea Grant. \$135,000.
- 2010 **Akerlof, K.** *Engaging Pictured Rocks National Lakeshore gateway communities on climate change: A survey of Alger County, Michigan*. Superior Watershed Partnership and Land Trust; Pictured Rocks National Lakeshore. \$20,000.
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METRICS

[h-index, 15; i10-index, 18; 2,479 citations since 2011; cited in 43 policy documents in 13 countries](#)

PUBLICATIONS

Refereed Journal Articles

- Akerlof, K. L.**, Loevenich, J., Melena, S., & Lipsky, C. A. (2023). Behaviorally segmented audiences for managing sunscreen chemical pollution risk in protected coastal natural resource areas. *Risk Analysis*, risa.14152. (Early access online)
- Akerlof, K. L.**, Timm, K. M. F., Chase, A., Cloyd, E. T., Heath, E., McGhghy, B. A., Bamzai-Dodson, A., Bogard, G., Carter, S., Garron, J., Gavazzi, M., Kettle, N., Labriole, M., Littell, J. S., Madajewicz, M., Reyes, J., Rivers III, L., Sheats, J. L., Simpson, C. F., & Toohey, R. C. (2023). What does equitable co-production entail? Three perspectives. *Community Science*, 2(2), e2022CSJ000021.
- Akerlof, K. L.** (2023). Promoting environmentally friendly sun-protection behaviors among coastal state residents. *Environmental Science & Policy*, 142, 121–130.
- Lad, N., & **Akerlof, K. L.** (2022). Assessing campus sustainability literacy and culture: How are universities doing it and to what end? *Frontiers in Sustainability*, 3, 927294.
- Akerlof, K.**, Tyler, C., Allegra, A., Webler, T., Heath, E., Cloyd, E., & Washbourne, C. L. (2022). Global perspectives on scientists' roles in legislative policymaking. *Policy Sciences*, 55(2), 351–367.
- Akerlof, K.**, Timm, K. M. F., Rowan, K. E., Olds, J. L., & Hathaway, J. (2022). The growth and disciplinary convergence of environmental communication: A bibliometric analysis of the field (1970-2019). *Frontiers in Environmental Science*, 9, 814599.
- Byron, L., & **Akerlof, K. L.** (2021). Climate and health concerns of Montana's public and environmental health professionals: A cross-sectional study. *BMC Public Health*, 21(1), 1778.
- Hathaway, J. R., Dueterhoeft, E., Leavey, N. J., **Akerlof, K. L.**, Mims, S. L., & Rowan, K. E. (2021). Teaching audience analysis through worksheets: Approaching audience analysis as qualitative research. *Journal of Public Relations Education*, 7(2), 221-228.
- Akerlof, K. L.**, Bromser-Kloeden, T., Timm, K., Rowan, K. E., Olds, J. L., Clarke, C., Rohring, E. B., Cloyd, E. T., Curran, K., Dueterhoeft, E. C., Farooque, M., Goldman, E., Gring-Pemble, L., Hampton, S. E., Kim, S. C., Kotcher, J., Milligan, D., Brenes, C. L. M., Sandoval, C., ... Zhao, X. (2021). Categorizing professionals' perspectives on environmental communication with implications for graduate education. *Environmental Communication*, 15(4), 447–464.
- Akerlof, K.**, Allegra, A., Webler, T., Heath, E., Cloyd, E., & Washbourne, C. L., & Tyler, C. (2020). New methods in creating transdisciplinary science-policy research agendas: The case of legislative science advice. *Science and Public Policy*, 47(4), 536-547.
- Rohring, E., & **Akerlof, K.** (2020). Perceptions of social consensus at the regional level relate to prioritization and support of climate policy in Maryland, USA. *Regional Environmental Change*, 20(3), 72.
- Akerlof, K.**, Boules, C., Rohring, E., Rohring, B., & Kappalman, K. (2020). Governmental communication of climate change risk and efficacy: Moving audiences toward “danger control.” *Environmental Management*, 65(5), 678-688.
- Akerlof, K.**, Tyler, C., Foxen, S. E., Heath, E., Soler, M. G., Allegra, A., ... & Yarime, M. (2019). A collaboratively derived international research agenda on legislative science advice. *Palgrave Communications*, 5(1), 1-13.

- Akerlof, K.,** Merrill, J., Yusuf, J.-E., Covi, M., & Rohring, E. (2019). Key beliefs and attitudes for sea level rise policy. *Coastal Management*, 47(4), 406-428.
- Akerlof, K.,** Covi, M., & Rohring, E. (2017). Communicating sea level rise: Media, public opinion, and engagement. *Oxford Research Encyclopedia of Climate Science*. Oxford University Press.
- Akerlof, K.,** Rowan, K., La Porte, T., Batten, B., Ernst, H., & Sklarew, D. (2016). Risky business: Engaging the public on sea-level rise and inundation. *Environmental Science & Policy*, 66, 314-323.
- Akerlof, K.,** Delamater, P., Boules, C., Romeo, C., & Mitchell, C. S. (2015). Vulnerable populations perceive their health as at risk from climate change. *International Journal of Environmental Research and Public Health*, 12, 15419-15433.
- Myers, T. A., Maibach, E. W., Roser-Renouf, C., **Akerlof, K.,** & Leiserowitz, A. (2013). The relationship between personal experience and belief in the reality of climate change. *Nature Climate Change*, 3(4), 343-347.
- Akerlof, K.,** Maibach, E. W., Fitzgerald, D., Cedeno, A. Y. & Neuman, A. (2013). Do people “personally experience” global warming, and if so how, and does it matter? *Global Environmental Change*, 23(1), 81-91.
- Akerlof, K.,** Rowan, K. E., Fitzgerald, D., & Cedeno, A. Y. (2012). Communicating climate projections in U.S. media: Politicization of model uncertainty. *Nature Climate Change*, 2(9), 648-654.
- Akerlof, K. &** Maibach, E. W. (2011). A rose by any other name? What members of the general public prefer to call “climate change.” *Climatic Change*, 106(4), 699.
- Akerlof, K.,** DeBono, R., Berry, P., Leiserowitz, A., Roser-Renouf, C., Clarke, K., Rogaeva, A., Nisbet, M. C., Weathers, M. R., & Maibach, E. W. (2010). Public perceptions of climate change as a human health risk: Surveys of the United States, Canada and Malta. *International Journal of Environmental Research and Public Health*, 7(6), 2559-2606.
- Maibach, E. W., Nisbet, M. C., Baldwin, P. K., **Akerlof, K.,** & Diao, G. (2010). Reframing climate change as a public health issue: An exploratory study of public reactions. *BMC Public Health*, 10, 299.

Book Chapters

- Akerlof, K. L.** (2022). Beyond the sheltering academic silo: Norms for scientists’ participation in policy. In Bolsen, T. & Palm, R. (Eds.), *Progress in molecular biology and translational science: Molecular biology and clinical medicine in the age of politicization*. Academic Press.
- Akerlof, K. L.,** Timm, K., Ebbin, S. A., Gambill, J. M., Grifman, P. M., Miller, T., & Moser, S. (2021). Asking questions for adaptation: Using public and stakeholder surveys as a tool within coastal climate change policy processes. In Yusuf, J. E. & St. John, B. (Eds.), *Communicating about climate change: Making environmental messaging accessible*. Routledge.
- Rowan, K. E., Engblom, A., Hathaway, J., Lloyd, R., Vorster, I., Anderson, E. Z., & **Akerlof, K. L.** (2021). Overcome the deficit model by applying the CAUSE model to climate change communication. In Botan, C. H. (Ed.), *The handbook of strategic communication* (pp. 225-261). John Wiley & Sons.
- Akerlof, K.** (2017). When should environmental awareness be a policy goal? In V. Loreto, M. Haklay, A. Hotho, V. C. P. Servedio, G. Stumme, J. Theunis, & F. Tria (Eds.), *Participatory sensing, opinions and collective awareness* (pp. 305–336). Springer.
- Maibach, E. W., Leiserowitz, A., Roser-Renouf, C., **Akerlof, K.,** & Nisbet, M. (2010). Saving energy is a value shared by all Americans: Results of a global warming audience segmentation analysis. In K. Ehrhardt-Martinez & J.A. Laitner (Eds). *People-centered initiatives for increasing energy savings*. Pgs. 8-1 to 14. Washington, DC: American Council for an Energy Efficient Economy.

Other Publications

- Akerlof, K. L.** (2022). *Visitor sun protection in the National Parks: A report to the National Park Service*. Fairfax, VA: George Mason University.
- Akerlof, K., & Belman, D.** (Dec. 2019). *National Park visitor sun protection behaviors & ecological effects: A literature review*. Dept. of Environmental Science & Policy, George Mason University.
- Tyler, C., & **Akerlof, K.** (2019). Three secrets of survival in science advice (Commentary). *Nature*, 566(7743), 175.
- Akerlof, K. L.** (Jun. 2019). *A review of social norms for informing the reduction of corruption in natural resources management*. Fairfax, VA: George Mason University.
- Akerlof, K.** (2018). *Congress's use of science: Considerations for science organizations in promoting the use of evidence in policy*. Washington, DC: American Association for the Advancement of Science.
- Akerlof, K.** (2017, Nov. 13). Taking science to Capitol Hill. *Science & Technology Policy Fellowships News, American Association for the Advancement of Science*.
- Akerlof, K.** (2017, Jul. 26). Blame Congress? Try reaching out first. *The Bridge: Connecting Science and Policy*. American Geophysical Union. Available at <http://thebridge.agu.org/2017/07/26/district-days-series-blame-congress-try-reaching-first/>
- Akerlof, K.** (2016). *Perceptions of community resilience: A Maryland community pilot study, 2016*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Su, J., **Akerlof, K.**, Parker, C., & Winch, P. (2016). *Public perceptions of climate change: A Maryland statewide survey, fall 2016*. Fairfax, VA: Center for Climate Change Communication, George Mason University, & PSRAI.
- Su, J., **Akerlof, K.**, Parker, C., & Winch, P. (2016). *Public knowledge, behaviors & preferences about energy & transportation: A Maryland statewide survey, fall 2016*. Fairfax, VA: Center for Climate Change Communication, George Mason University, & PSRAI.
- Su, J., **Akerlof, K.**, Parker, C., & Winch, P. (2016). *Public health, energy & climate change: A Maryland statewide survey, fall 2016*. Fairfax, VA: Center for Climate Change Communication, George Mason University, & PSRAI.
- Akerlof, K.** (2016). *U.S. media coverage of sea level rise and climate change: Coverage in national and local newspapers, 2001-2015*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K.** (2016). *Promoting community involvement and opinion leadership in protection of the salt marshes of Blackwater National Wildlife Refuge*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K.**, Winch, P., Parker, C., & Buckland, A. (2015). *Public health, energy & climate change: A survey of Maryland residents, fall 2015*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K.**, Winch, P., Parker, C., & Buckland, A. (2015). *Public perceptions of climate change: A Maryland statewide survey, fall 2015*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K.**, Winch, P., Parker, C., & Buckland, A. (2015). *Public knowledge, behaviors & preferences about energy: A Maryland statewide survey, fall 2015*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K.** (2015). *Engaging Eastern Shore communities in protection of the salt marshes of Blackwater National Wildlife Refuge*. Fairfax, VA: Center for Climate Change Communication, George Mason University.

- Akerlof, K., & Maibach, E. W.** (2015). *Public health, energy & climate change: A survey of Maryland residents, 2014*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., Maibach, E. W., & Boules, C.** (2014). *Public perceptions of climate change: A Maryland statewide survey, fall 2014*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., Maibach, E. W., & Boules, C.** (2014). *Public beliefs, behaviors and preferences about energy: A Maryland statewide survey, fall 2014*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., & Maibach, E. W.** (2014). *Adapting to climate change & sea level rise: A Maryland statewide survey, fall 2014*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., Grutter, B., & Maibach, E. W.** (2014). *Maryland's six climate change audiences: A Global Warming's Six Americas audience segmentation*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., Maibach, E. W., & Mitchell, C. S.** (2013). *Public health, energy and climate change: A survey of Maryland residents, summer 2013*. Fairfax, VA: Center for Climate Change Communication, George Mason University; Baltimore, MD: Maryland Department of Health and Mental Hygiene.
- Akerlof, K., Maibach, E. W., & Mitchell, C. S.** (2013). *Climate change & energy – Public attitudes, behaviors and policy support: A survey of Maryland residents, summer 2013*. Fairfax, VA: Center for Climate Change Communication, George Mason University.
- Akerlof, K., & Kennedy, C.** (2013). *Nudging toward a healthy environment: How behavioral change research can inform conservation*. White paper for the Gordon and Betty Moore Foundation. Fairfax, VA: George Mason University.
- Akerlof, K. L., Batten, B. K., Rajasekar, M., & Cutshall, C.** (2013). *Final project report: Findings, lessons learned, and replicability of a model for sea-level rise public engagement*. Fairfax, VA: George Mason University.
- Akerlof, K., La Porte, T., Rowan, K., Ernst, H., Nataf, D., Batten, B. K., Rajasekar, M., & Dolan, D.** (2012). *Public opinion and policy preferences on coastal flooding and sea-level rise, Anne Arundel County, Maryland*. Fairfax, VA: George Mason University.
- Akerlof, K.** (2011). A vast machine: Computer models, climate data, and the politics of global warming by Paul Edwards [book review]. *Science Communication*, 33(2), 266-267.
- Akerlof, K., Bruff, G., & Witte, J.** (2011). Audience segmentation as a tool for communicating climate change: Understanding the differences and bridging the divides. *ParkScience*, 28(1), 56-64.
- Maibach, E. W., Leiserowitz, A., Roser-Renouf, C., Mertz C. K., & **Akerlof, K.** (2011). *Global Warming's Six Americas screening tools: Survey instruments; instructions for coding and data treatment; and statistical program scripts*. Yale University and George Mason University. Yale Project on Climate Change Communication, New Haven, CT.
- Akerlof, K.** (Mar. 2011). When news media pass on covering complexity: The case of missing coverage of models. *The Yale Forum on Climate Change & The Media*. Available at <http://www.yaleclimatemediaforum.org/2011/03/the-case-of-missing-coverage-of-models/>
- Akerlof, K.** (Jan. 2011). Contested predictions: The significance of modeling to public climate debates. *Weather and Society Watch*. Available at <http://www.sip.ucar.edu/news/focus2.php>.
- Akerlof, K.** (2010). *Assessing household energy use and global warming opinion: Alger County 2010* [Prepared for Superior Watershed Partnership and Pictured Rocks National Lakeshore]. Fairfax, VA: George Mason University.

- Leiserowitz, A., & Akerlof, K. (2010). *Race, ethnicity and public responses to climate change*. Yale University and George Mason University. New Haven, CT: Yale Project on Climate Change.
- Akerlof, K., & Maibach, E. W. (2008). "Sermons" as a climate change policy tool: Do they work? Evidence from the international community. *Global Studies Review*, 4(3), 4-6.
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REFEREED CONFERENCE PAPERS & PRESENTATIONS

- Akerlof, K. L., Kovacevic, L., Pfoser, D., & Goldman, E. (2023, May 24). *Detecting evidence citation and quotation in the U.S. Congress: A methodological case study*. 2023 Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology.
- Akerlof, K. L., Timm, K. M. F., Chase, A., Cloyd, E. T., Heath, E., Bogard, G., Bamzai-Dodson, A., Garron, J., Jefferson, D., Madajewicz, M., Sheats, J. L., & Simpson, C. (2023, May 24). *What does equitable co-production entail? Three Perspectives*. 2023 Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology.
- Akerlof, K. L., Timm, K. M. F., Chase, A., Cloyd, E. T., Heath, E., Bogard, G., Bamzai-Dodson, A., Garron, J., Jefferson, D., Madajewicz, M., Sheats, J. L., & Simpson, C. (2022, Dec. 14). *What does equitable co-production entail? Three Perspectives*. American Geophysical Union 2022 Fall Meeting. Chicago, IL.
- Akerlof, K. & Timm, K. (2021, Dec. 14). *Co-production & equity: Creating a research-based framework*. [Poster] American Geophysical Union 2021 Fall Meeting. New Orleans, LA.
- Akerlof, K., Nackerman, C., & Ivancic, J. (2021, Dec. 8). *Risk perception and relative deprivation in relationship to student interest in social and environmental political participation during COVID-19*. Society for Risk Analysis, 2021 Annual Conference.
- Akerlof, K., Timm, K., Rowan, K. E., Olds, J., & Olds., J. (2021, Aug. 6). *The growth and disciplinary convergence of environmental communication: A bibliometric analysis of the field (1970-2019)*. [Conference paper]. Association for Education in Journalism and Mass Communication, 2021 Annual Conference.
- Akerlof, K., Tyler, C., Foxen, S. E., Heath, E., Soler, M. G., Allegra, A., & Cloyd, E. (2019, Oct. 15). *A collaboratively derived international research agenda on legislative science advice*. Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, Atlanta, GA.
- Akerlof, K., Lemos, M. C., Cloyd, & E., Heath. (2018, Dec. 13). *The invisible policymaker: Congressional staff members as users and producers of science communication*. 2018 American Geophysical Union Fall Meeting, Washington, DC.
- Akerlof, K., Lemos, M. C., Cloyd, E., Heath, E., Nelson, S., Hathaway, J., & Timm, K. (2018, Aug. 6-9). *Barriers in communicating science for policy in Congress*. Association for Education in Journalism and Mass Communication, 2018 Annual Conference, Washington, DC.
- Akerlof, K., Lemos, M. C., Cloyd, E., & Heath, E. (2018, June 7-9). *Who isn't biased?: Perceived bias as a dimension of trust and credibility in communication of science with policymakers*. Iowa State University Summer Symposium on Science Communication, Ames, IA.
- Akerlof, K., Moser, F. C., Baja, K., Dindinger, J. M., Rohring, B., Rowan, K. E., & Chanse, V. (2016, Dec.13). *Engaging with underserved urban communities on climate resilience*. 2016 American Geophysical Union Fall Meeting, San Francisco, CA.
- Pennington, A., & Akerlof, K. (2016, Oct. 12). *Inclusion for impact: Discourse on diversifying the sustainability movement [Workshop]*. The Association for the Advancement of Sustainability in Higher Education Conference & Expo, Baltimore, MD.

- Akerlof, K.** (2015, Nov. 3). *Public perceptions of sea-level rise and coastal adaptation policies*. Geoscience in the public square: Meeting the challenges and seizing the opportunities. Geological Society of America Annual Meeting, Baltimore, MD.
- Akerlof, K.,** Boules, C., Romeo, C., Maibach, E. W., & Mitchell, C. S. (2015, Feb. 6). *Specters of vulnerability: Who thinks they are at risk from the health effects of climate change?* University of Maryland Climate and Energy Workshop, College Park, MD.
- Akerlof, K.,** Johnson, B., Nackerman, C., & Maibach, E. W. (2014, Dec. 19) *Opportunities and challenges in using research to facilitate climate communication collaborations*. American Geophysical Union Fall Meeting, San Francisco, CA.
- Akerlof, K.,** Rowan, K., La Porte, T., Ernst, H., & Batten, B. (2014, Feb. 19). *Meet the neighbors: It just might change how they think. Communicating about the science of sea-level rise*. NOAA 2014 Social Coast Forum, Charleston, SC.
- Akerlof, K.** (2013, Dec. 9). *Risky business: Engaging the public in policy discourse on sea-level rise and inundation*. Society for Risk Analysis 2013 Annual Meeting, Baltimore, MD.
- Akerlof, K.** (2012, Aug. 4). *Evaluating the influence of cultural worldviews on sea-level rise risk perceptions, and a potential communicative counter strategy*. Psychological factors shaping the perception of climate change [Submitted panel]. American Psychological Association 2012 Convention, Orlando, FL.
- Akerlof, K.** (2012, Apr. 27). *Catalyzing public attitudinal and behavioral change: A social science research-based approach to conservation*. Eastern Communication Association 103rd Annual Convention, Boston, MA.
- Akerlof, K.** (2010, Aug. 6). *Models: The missing piece in climate change coverage*. Communicating Science, Health, Environment and Risk Division, Association for Education in Journalism and Mass Communication Convention, Denver, CO.
- Akerlof, K.,** & Maibach, E. W. (2011, Dec. 6). *Experiencing the changing climate on the shores of Lake Superior*. [Poster] Regional climate impacts: States of change – climate change and impacts in the United States. American Geophysical Union Fall Meeting, San Francisco, CA.
- Maibach, E. W., **Akerlof, K.,** Stenhouse, N., Myers, T., & Roser-Renouf, R. (2011, Nov. 30). *Some people say: "I have personally experienced the effects of global warming." What does that mean, and does it matter?* Behavior, Energy & Climate Change Conference, Washington, DC.
- Akerlof, K.,** Rowan, K. E., Fitzgerald, D., & Ceden, A. Y. (2011, Jun. 25). *Explanation and value judgments in media communication of climate model science*. Association for Environmental Studies and Sciences Annual Conference, University of Vermont, Burlington, VT.
- Akerlof, K.,** & Maibach, E. W. (2011, Jun. 25). *What members of the general public prefer to call climate change*. Association for Environmental Studies and Sciences Annual Conference, University of Vermont, Burlington, VT.
- Akerlof, K.,** Rowan, K., Fitzgerald, D., Ceden, A., & Neuman, A. (2011, Apr. 17). *Explanation and value judgments in media communication of climate science*. Eastern Communication Association 102st Annual Convention, Arlington, VA.
- Akerlof, K.** (2011, Jan. 24). *Models: The missing piece in climate change coverage*. Sixth Symposium on Policy and Socio-economic Research, American Meteorological Society 91st Annual Meeting, Seattle, WA.
- Akerlof, K.** (2010, Apr. 25). *Exploring the power of "experience" for climate change messaging*. Eastern Communication Association 101st Annual Convention, Baltimore, MD.

INVITED PRESENTATIONS (PAST 5 YEARS)

- Akerlof, K. L.** (2022, Aug. 19). *Good trouble (Convocation featured faculty speaker)*. George Mason University, Fairfax, VA.
- Akerlof, K. L.** (2022, July 27). *What do we know—and what don't we know—about use of research evidence in congresses?* Parliamentary TA around the World. 5th European Technology Assessment Conference, Karlsruhe, Germany.
- Akerlof, K. L.** (2022, May 6). *What do we know—and what don't we know—about use of research evidence in congresses?* Workshop: Next steps to advance the use of scientific evidence in the congresses of Latin America, Parliamentary Office of Science and Technology (POST).
- Akerlof, K.** (2021, Nov. 17). *Congress's use of science*. 2021 AAAS Leadership Seminar in S&T Policy. American Association for the Advancement of Science.
- Akerlof, K., & Melena, S.** (2021, Oct. 30). *Designing sun protection behavioral interventions to protect public health and the environment*. Conservation Marketing and Engagement Working Group (ConsMark), Society for Conservation Biology. (Virtual Conference)
- Akerlof, K.** (2021, Jun. 2). *Stationarity is dead: Adaptation to a changing world*. ISC 2021 Summer School, Cognition & Climate. The University of Quebec at Montreal.
- Akerlof, K.** (2020, Nov. 18). *Congress's use of science*. 2020 AAAS Leadership Seminar in S&T Policy. American Association for the Advancement of Science.
- Akerlof, K.** (2020, Oct 15). *How Congress accesses and uses science advice* [Federal panel]. NCSE Science Dialogues. National Council for Science and the Environment.
- Akerlof, K.** (2020, Jan. 7). *Congress's use of science in environmental policymaking*. National Council for Science and the Environment Annual Conference, Washington, DC.
- Akerlof, K., Lemos, M. C., Cloyd, E., & Heath, E.** (2019, Nov. 14). *Congress's use of science*. Canadian Science Policy Conference.
- Akerlof, K.** (2019, Nov. 13). *Effective communication around slow-burning issues*. International Network for Government Science Advice North American Workshop, Canadian Science Policy Conference.
- Akerlof, K.** (2019, Feb. 15). *Congress's use of science*. American Association for the Advancement of Science Annual Meeting, Washington, DC.
- Akerlof, K.** (2018, Nov. 8). *What you told us: Research themes*. Parliamentary Science Advice Workshop, International Network for Government Science Advice Conference, National Graduate Institute for Policy Studies, Tokyo.
- Akerlof, K.** (2018, Feb. 15). *Understanding the cognitive dimensions of using narrative*. American Association for the Advancement of Science Annual Meeting, Austin, TX.
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TEACHING AND MENTORSHIP

Courses

Taught fall/spring *Tackling wicked problems in society & the environment / Human dimensions of the environment*, EVPP 336, Dept. of Environmental Science & Policy, George Mason University. EVPP 336 has been designated the university's first Community Engagement and Civic Learning (CECiL) impact course. The course

	takes a socio-ecological systems approach to understanding the different ways that people interact with their environments and manage resources. Students engage in project-based learning, working in teams to solve problems and make recommendations to external audiences.
Taught every fall	<i>Evidence-based environmental policymaking</i> , EVPP 530, Dept. of Environmental Science & Policy, George Mason University. I developed this course for the department in fall 2020. The course explores the meaning of “evidence-based policymaking,” the value of science in decision-making and its limitations, and ways that individuals and organizations can build capacity in creating usable science and using science in policy.
Taught every spring	<i>Environmental science communication</i> , EVPP 429/529, Dept. of Environmental Science & Policy, George Mason University. The syllabus for this cross-listed undergraduate and graduate course has been redesigned to focus on communication dimensions that are commonly encountered by scientists engaging in environmental decision-making processes and promoting community behavior change.
Fall 2017, Fall 2015	<i>Understanding public attitudes and behaviors for the communication of climate and energy policy</i> , Energy Policy and Climate master’s degree program, Johns Hopkins University. Elective graduate course which I developed on the use of social science research in informing and evaluating the communication of climate change and energy policies.
Spring 2016	<i>Environmental communication</i> , COMM 433, Dept. of Communication, George Mason University. Undergraduate course that explores environmental discourses and the use of social and behavioral science in the effective communication of environmental science and policy. Students experimentally tested the effects of university promotional signage in influencing recycling attitudes and behaviors in collaboration with the university’s Office of Sustainability.
Fall 2013	<i>Research methods</i> , COMM 400, Dept. of Communication, George Mason University. Mandatory undergraduate course in social science basic statistics, quantitative and qualitative research methodology, and research writing. Adapted course structure to emphasize text-based learning over the first half of the course, followed by hands-on learning conducting research to benefit a campus sustainability project on permaculture.
Fall 2011	<i>Communicating the environment: Discourses on science and policy in the public sphere</i> , EVPP 490, Dept. of Environmental Science & Policy, George Mason University. Undergraduate course which I developed. Course included a student survey research component resulting in a presentation on undergraduate biodiversity awareness, attitudes, and knowledge.
2012-2014	<i>Climate change communication</i> , CONS 697, Smithsonian-Mason School of Conservation. Daylong module for <i>Applied climate change: Gaining practical skills for climate change adaptation</i> . Instructors: J. Kolowski, A. Fenech. Co-developed and taught class to conservation professionals on research-based lessons for effective climate communication.

Mentorship and Advising

Current	Doctoral advisor, Nikita Lad, Environmental Science & Public Policy, George Mason University
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Doctoral advisor, Meaghan Caruso, Environmental Science & Public Policy, George Mason University
 Doctoral advisor, Christopher Round, Environmental Science & Public Policy, George Mason University
 Master's advisor, Colin Nackerman, Master of Arts in Interdisciplinary Studies, Energy and Sustainability Concentration, George Mason University
 Master's advisor, Katherine Rose Saylor, Environmental Science & Policy, George Mason University
 Doctoral committee member, Sarah Weber Hertel, Environmental Science & Policy, George Mason University
 Doctoral committee member, Kiel Stone, Environmental Science & Policy, George Mason University
 Doctoral external committee member, Afagh Mulazadeh, Department of Science, Technology, Engineering and Public Policy (STeAPP), University College London (UCL)
 Doctoral external committee member, Henriette Ruhrmann, Department of Science, Technology, Engineering and Public Policy (STeAPP), University College London (UCL)
 Doctoral committee member, Kelly J. Vanderbrink, Geography & Geoinformation Science Department, George Mason University
 Master's committee member, Samantha Howard, School for Resource and Environmental Studies, Dalhousie University, Halifax, Nova Scotia, Canada
 2023 Master's advisor, Alyssa Chase, Environmental Science & Policy, George Mason University
 Doctoral advisor*, Krista Shires, Environmental Science & Public Policy, George Mason University *Advisor of record; primary advisor, Dr. Travis Gallo, University of Maryland
 2022 Master's committee member, Matthew Titlow, Environmental Science & Policy, George Mason University
 Master's committee member, Eleanor King, Environmental Science & Policy, George Mason University
 Master's committee member, Jeff Nagel, Environmental Science & Policy, George Mason University
 2021 Master's committee member, Jackie Davis, Environmental Science & Policy, George Mason University.
 2019 Capstone Project Advisor, Lori Byron, Master's Degree, Energy Policy and Climate Program, Johns Hopkins University
 2018 Capstone Project Advisor, Shruti Kuppa (spring), Cheryl Chan (fall), Master's Degree, Energy Policy and Climate Program, Johns Hopkins University
 2014-2016 Dissertation Committee Member, Allison Richards, Dept. of Environmental Science and Policy, George Mason University
 2014-2015 Bachelor of Independent Studies Mentor, George Mason University
 2013-2015 Internship Supervisor, NCLC 390/490, New Century College, George Mason University. Provided research learning opportunities for undergraduate students on Maryland grant and other projects.
 2012-2016 Supervised graduate research assistants and interns, George Mason University
 2010-2011 Service Learning Mentor, New Century College, George Mason University. Provided research learning opportunities for two undergraduate students in Fall 2010 and

one student in Fall 2011. Work resulted in two peer-reviewed publications with students as authors.

Doctoral Dissertation Reviews

2021 Graduate Research School, The University of Western Australia

HONORS, AWARDS, & INVITED PARTICIPATION

- 2023 Committee Report Reviewer, *Review of the Draft Fifth National Climate Assessment*, The National Academies of Sciences, Engineering, and Medicine.
- 2022 Committee Report Reviewer, *Review of Fate, Exposure, and Effects of Currently Marketed Sunscreens in Aquatic Environments and Implications of Potential Changes in Sunscreen Usage on Human Health*, The National Academies of Sciences, Engineering, and Medicine.
- 2021 Invited Participant. Virtual meeting on co-production of environmental knowledge. [Concept paper for a National Academies consensus study]. National Academies Board on Environmental Change and Society.
- 2021 Committee Report Reviewer, *Advancing a Systems Approach to Studying the Earth: A Strategy for the National Science Foundation*, The National Academies of Sciences, Engineering, and Medicine.
- 2021 3rd Place, Top Faculty Paper, Communicating Science, Health, Environment and Risk (ComSHER), A Division of the Association for Education in Journalism and Mass Communication.
- 2021 “Great Ideas for Teaching” (GIFT award), Association for Education in Journalism and Mass Communication. (Author team: Hathaway, J. R., Duesterhoeft, E., Leavey, N. J., Akerlof, K. L., Mims, S.L., & Rowan, K. E.)
- 2019 Invited Participant. University of Virginia – *Nature Sustainability* Expert Panel on Behavioral Science for Design. [Action plan for research and application] Columbia University.
- 2017 Invited Participant. Rising to Coastal Challenges: Social Science Perspectives on Research Needs for Responding to Rising Seas. [Scoping meeting] U.S. National Academies of Science, Engineering, and Medicine.
- 2013 DISCCRS VIII Symposium Scholar. Dissertations Initiative for the Advancement of Climate Change Research. [NSF-funded interdisciplinary early career climate change research symposium] Colorado Springs, CO.
- 2010 Eason Award for Graduate Student Research. Communicating Science, Health, Environment and Risk Division, Association for Education in Journalism and Mass Communication (AEJMC). Denver, CO.
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PROFESSIONAL ACTIVITIES

The National Academies of Sciences, Engineering, and Medicine, Climate Communications Initiative (CCI) Advisory Committee (2020-2023)

Co-Chair, Parliamentary Special Interest Division, International Network for Government Science Advice, (2019-)

American Geophysical Union, Chair, Congressional Science Fellowship Committee (2022-2023)

American Geophysical Union, Co-chair, Science Policy, Science & Society Section (2022-2023)

American Geophysical Union, Congressional Science Fellowship Committee (2020-2021)

Associate Deputy Editor, *Climatic Change* (2014-2015)

University Service

Faculty Advisor, Science Policy Network at Mason (2021-)

Member of George Mason University Faculty Senate, representing College of Science (2020-)

Faculty lead, Good Trouble Conversation Circles, Office of Community Engagement and Civic Learning (2022-)

Faculty and Curricular Activities Committee (2020-)

Faculty lead, Society, Culture, & Environment Seminar Series (2021-2022)

Reviewer

National Science Foundation

Evidence & Policy

Community Science

Climate Risk Management

Journal of Environmental Psychology

Environmental Communication

Environment and Behavior

Memberships

Behavioral Science & Policy Association

American Geophysical Union

American Association for the Advancement of Science

Association for Education in Journalism and Mass Communication

Society for Risk Analysis