

Ezra M. Markowitz

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Associate Professor of Environmental Decision-Making
Department of Environmental Conservation
University of Massachusetts Amherst
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Education

2012 **Ph.D.** Environmental Sciences, Studies & Policy. University of Oregon.
2008 **M.S.** Psychology. University of Oregon.
2007 **B.A.** Psychology. Vassar College.

Appointments

2019-present **Associate professor.** University of Massachusetts Amherst.
2014-2019 **Assistant professor.** University of Massachusetts Amherst.
2013-present **Fellow.** FrameWorks Institute. Washington, DC.
2013-2014 **Postdoctoral research fellow.** Earth Institute. Columbia University.
2013-2014 **Visiting postdoctoral fellow.** PIIRS. Princeton University.
2012-2013 **Postdoctoral research associate.** PIIRS. Princeton University.
2011-2012 **Scholar-in-residence.** American University.

Professional Experience

2018-present **Science advisor.** DearTomorrow. New York, NY.
2014-2017 **Technical advisor.** PolicyInteractive. Eugene, OR.
2008-2013 **Senior staff.** PolicyInteractive. Eugene, OR.
2012-2013 **Consultant.** ecoAmerica. Washington, DC.
2010-2012 **Research scholar.** Gallup. Princeton, NJ.

Courses Offered

Environmental Decision-Making (undergraduate)
Public Engagement & Communication (graduate)
Environmental Social Science (graduate)

Grants

Post-Tenure

- 2023-2025 “SAI-R: Equitable residential electrification through Community-Engaged Design” (\$741,543). National Science Foundation. (Submitted, Senior Personnel).
- 2023-2026 “EPA STAR: Community-engaged co-design for a just and sustainable energy transition”. (\$1,111,421). U.S. EPA (Submitted, Senior Personnel).
- 2020-2021 “RAPID: A multi-level analysis of social and behavioral responses to COVID-19” (\$198,187). National Science Foundation. (Awarded, Co-I).
- 2019-2021 “Our shared home: Redefining environmental discourse” (\$22,000). National Geographic (Awarded, Co-PI).
- 2019-2021 “Visualizing hope: Investigating the effect of public art on public perceptions of climate adaptation” (\$21,977). Institute for Social Science Research & Institute for Diversity Science, UMass (Awarded, Co-PI).
- 2019-2020 “Testing the potential of sustainable local seafood species for innovative value-added products in a changing climate” (\$6,000). Institute for Social Science Research, UMass (Awarded, Co-PI).
- 2019-2023 “Development of a sustainable recreational fishery for Golden Dorado in South America” (\$398,410). IGFA (Awarded, Co-PI).

Pre-Tenure

- 2017-2019 “Examining and improving energy-related decision-making among resource constrained Massachusetts households” (\$59,930). Clean Energy Extension Seed Grant, UMass (Awarded, PI).
- 2017-2018 “The Fresh Air Project: Profiling Children’s Environmental Exposures” (\$14,850). Public Service Endowment Grant, UMass. (Awarded, Co-I).
- 2017-2018 “The Fresh Air Project: Using the exposome to personalise asthma management” (\$15,000). Healthy Development Initiative, UMass Amherst. (Awarded, Co-I).
- 2016-2019 “Psychological distance and the mitigation of interpersonal risks” (\$435,708). National Science Foundation. (Awarded, Co-I).
- 2016-2017 “RAPID: A real-world opportunity to study responsibility, social identity, signaling and collective mobilization among diesel engine owners” (\$124,975). National Science Foundation. (Awarded, PI).
- 2014-2017 “Early career climate communications and networking” (\$122,466). U.S. Geological Survey. (Awarded, PI).
- 2014-2018 “Understanding and informing family forest owner decisions of intergenerational land transfer to ensure working forested landscapes” (\$500,000). National Institute of Food and Agriculture, USDA. (Awarded, Senior Personnel)

Refereed Publications (53)

^ indicates graduate student co-author

Post-Tenure Publications (20 since 2019)

Peters, E., Boyd, P.E. Cameron, L.D., Contractor, N., Diefenbach, M.A., Fleszar-Pavlovic, S., **Markowitz**, E.M., Salas, R.N., & Stephens, K.K. (2022). Evidence-based recommendations for communicating the impacts of climate change on health. *Translational Behavioral Medicine*, 12, 543-553.

Casselberry[^], G.A., **Markowitz**, E.M., Alves, K., Russo, J., Skomal, G.B., Danylchuk, A.J. (2022). When fishing bites: Understanding angler responses to shark depredation. *Fisheries Research*, 246, 106174.

Epanchin-Niell, R.S., Jackson-Smith, D.B., Wilson, R.S., Ashenfarb, M., Dayer, A.A., Hillis, V., Iacona, G.D., **Markowitz**, E.M., Marquart-Pyatt, S.T., Treakle, T. (2022). Private land conservation decision-making: An integrative social science model. *Journal of Environmental Management*, 302, 113961.

Syropoulos[^], S. & **Markowitz**, E.M. (2021d). Mechanisms of intergenerational environmental stewardship activated by COVID-19: Gratitude, fairness and legacy motives. *Frontiers in Sustainable Cities*, 3, 707888.

Syropoulos[^], S. & **Markowitz**, E.M. (2021c). Perceived responsibility towards future generations and environmental concern: Convergent evidence across multiple outcomes in a large, nationally representative sample. *Journal of Environmental Psychology*, 76, 101651.

Syropoulos[^], S. & **Markowitz**, E.M. (2021b). A grateful eye towards the future? Dispositional gratitude relates to consideration of future consequences. *Personality and Individual Differences*, 179, 110911.

Schneider, C., Zaval, L., **Markowitz**, E.M. (2021). Climate change and positive emotions. *Current Opinion in Behavioral Sciences*, 42, 114-120.

Guckian, M. L., **Markowitz**, E.M., Tucker, C.S., Kiekebushc, E., Klemm, T., Middleton, L., Wootten, A., Staudinger, M.D. (2021). Assessing the impact of an online climate science community: The Early Career Climate Forum. *Weather, Climate & Society*, 13, 315-325.

- Quartuch, M., Markowski-Lindsay, M. Catanzaro, P., **Markowitz**, E.M., Allred, S.B. (2021). Applying the transtheoretical model of change to legacy planning decisions. *Small-Scale Forestry*, 20, 457-478. JIF = 1.8
- Syropoulos[^], S. & **Markowitz**, E.M. (2021a). Prosocial Responses to COVID-19: Examining the role of gratitude, fairness and legacy motives. *Personality and Individual Differences*, 171, 110488.
- Syropoulos[^], S., Watkins, H.M., Shariff, A.F., Hodges, S.D., & **Markowitz**, E.M. (2020). The role of gratitude in motivating intergenerational environmental stewardship. *Journal of Environmental Psychology*, 72, 101517.
- Brough, A.R., Griskevicius, V., Trudel, R., Donnelly, G., **Markowitz**, E.M., Raimi, K., Reeck, C., Waldman, K., Winterich, K., Wolske, K. (2020). Understanding how sustainable initiatives fail: A Framework to aid design of effective interventions. *Social Marketing Quarterly*, 26, 309-324.
- Mah[^], A.Y., Chapman, D.A., **Markowitz**, E.M., Lickel, B. (2020). Coping with climate change: Three insights for research, intervention, and communication to promote adaptive coping to climate change. *Journal of Anxiety Disorders*, 75, 102282.
- Shrum, T., **Markowitz**, E.M., Buck, H., Gregory, R., van der Linden, S., Attari, S. & van Boven, L. (2020). Behavioural frameworks to understand public perceptions of and risk response to carbon dioxide removal. *Interface Focus*, 10, 20200002.
- Orlove, B., Shwom, R., **Markowitz**, R.M., Cheong, S. (2020). Climate decision-making. *Annual Review of Environment and Resources*, 45, 271-303.
- Feygina, I., Chapman, D., Markowitz, E. (2020). Climate change: A challenge to human rights, justice, equality, and human well-being. In N. Rubin & R. Flores (Eds.), *The Cambridge Handbook of Psychology and Human Rights* (Cambridge Handbooks in Psychology, pp. 443-458). Cambridge: Cambridge University Press.
doi:10.1017/9781108348607.031.
- Guckian, M., **Markowitz**, E.M., Lickel, B., & Chapman, D. (2020). From absolutism to action: Examining Americans' reactions to high-profile corporate scandals. *Analyses of Social Issues and Public Policy*, 20, 166-194.

Rose[^], K., **Markowitz**, E.M., Brossard, D. (2020). Scientists' incentives and attitudes towards public communication. *Proceedings of the National Academies of Sciences*, 117, 1274-1276.

Markowski-Lindsay, M., Catanzaro, P., Zimmerer[^], R., Kittredge, D., **Markowitz**, E.M., Chapman[^], D.A. (2020). Northeastern family forest owner gender differences in land-based estate planning and the role of self-efficacy. *Journal of Forestry*, 118, 59-69.

Howe[^], L., MacInnis, B., Krosnick, J.A., **Markowitz**, E.M., & Socolow, R. (2019). Acknowledging uncertainty impacts public acceptance of climate scientists' predictions. *Nature Climate Change*, 9, 863-867.

Pre-Tenure Publications (33 since 2012)

Chapman[^], D., Gagne[^], T., Ovitz[^], K.L., Griffin[^], L.P., Danylchuk, A.J., **Markowitz**, E.M. (2018). Modeling intentions to sanction among anglers in a catch-and-release recreational fishery for golden dorado (*Salminus brasiliensis*) in Salta, Argentina. *Human Dimensions of Wildlife*, 4, 391-398.

Markowski-Lindsay, M., Bell., K., Catanzaro, P., Kittredge, D., Leahy, J., Butler, B., **Markowitz**, E.M., Milman, A., Allred, S., & Sisock, M. (2018). In-forest & in-tact: Designating future use of FFO land. *Journal of Forestry*, 116, 357-366.

Guckian[^], M., Danylchuk, A., & Cooke, S., **Markowitz**, E.M. (2018). Assessing anglers' intentions to communicate best practices in a catch-and-release fishery for steelhead in British Columbia, Canada. *Journal of Environmental Management*, 219, 252-259.

Wang[^], S., Chapman[^], D., Corner, A. & **Markowitz**, E.M. (2018). Public engagement with climate change imagery in a changing digital landscape. *WIREs Climate Change*, 9, e509.

Guckian[^], M.L., Chapman[^], D.A., Lickel, B. & **Markowitz**, E.M. (2018). "A few bad apples" or "rotten to the core": Perceptions of corporate culture drive brand engagement after corporate scandal. *Journal of Consumer Behavior*, 17, e29-41.

Sokoloski[^], R., **Markowitz**, E. M., & Bidwell, D. (2018). Public estimates of support for offshore wind energy: False consensus, pluralistic ignorance, and partisan effects. *Energy Policy*, 112, 45-55.

- Schneider[^], C., Zaval, L., Weber, E.U. & **Markowitz**, E.M. (2017). The influence of anticipated pride and guilt on pro-environmental decision making. *PLOS ONE* <https://doi.org/10.1371/journal.pone.0188781>
- Chapman[^], D., Lickel, B. & **Markowitz**, E.M. (2017). Reassessing emotion in climate change communication. *Nature Climate Change*, 7, 850-852.
- Markowitz**, E.M., Chapman[^], D.A., Guckian[^], M.L. & Lickel, B. (2017). A corporate scandal that hits close to home: Examining owners' responses to the Volkswagen diesel emissions scandal. *Environmental Communication*, 6, 740-755.
- Hopkins, D. & **Markowitz**, E.M. (2017). Geographies of climate change belief. In M.C. Nisbet (Ed.), *The Oxford Encyclopedia for Climate Change Communication* (pp. 691-717). Oxford and New York: Oxford University Press.
- Markowski-Lindsay, M., Catanzaro, P., Bell, K., Kittredge, D., Leahy, J., Butler, B., **Markowitz**, E.M., Milman, A., Zimmerer[^], R., Allred, S., Sisock, M. (2017). Estate planning as forest stewardship tool. *Forest Policy and Economics*, 83, 36-44.
- Yoeli, E., Budescu, D., Carrico, A., Delmas, M., DeShazo, J., Ferraro, P., Forester, H., Kunreuther, H., Larrick, R. Lubell, M., **Markowitz**, E.M., Ronn, B., Vandenberg, M., Weber, E.U. (2017). Behavioral science tools for energy and environmental policy. *Behavioral Science & Policy Journal*, 3, 69-80.
- Markowitz**, E.M., Danylchuk, A.J., Nisbet, M.C., Engelbourg[^], S.I. (2017). What's that buzzing noise? Public opinion on the use of drones for conservation science. *BioScience*, 67, 382-385.
- Chapman[^], D., Corner, A., Webster, R., & **Markowitz**, E.M. (2016). Climate visuals: A mixed methods investigation of public perceptions of climate images in three countries. *Global Environmental Change*, 41, 172-182.
- Milfont, T.L. & **Markowitz**, E.M. (2016). Sustainable consumer behavior: A multilevel perspective. *Current Opinion in Psychology*, 10, 112-117.
- Zaval, L.* , **Markowitz**, E.M.* , & Weber, E.U. (2015). How will I be remembered? Conserving the environment for legacy's sake. *Psychological Science*, 26, 231-236.
*Shared first authorship

- Lee, T., **Markowitz**, E.M., Leiserowitz, A., Howe, P., & Ko, C. (2015). Predictors of public climate change awareness and risk perception around the world. *Nature Climate Change*, 5, 1014-1020.
- Markowitz**, E.M., Grasso, M., Jamieson, D. (2015). Climate ethics at a multidisciplinary crossroads: Four directions for future scholarship. *Climatic Change*, 130, 465-474.
- Grasso, M. & **Markowitz**, E.M. (2015). The moral complexity of climate change and the need for a multidisciplinary perspective on climate ethics. *Climatic Change*, 130, 327-334.
- Nisbet, M.C. & **Markowitz**, E.M. (2015). Experts in an age of polarization: Evaluating scientists' engagement with politics and civic life. *Annals of the American Academy of Political and Social Science*, 658, 36-154.
- Nisbet M.C. & **Markowitz** E.M. (2014). Understanding public opinion in debates over biomedical research: Looking beyond political partisanship to focus on beliefs about science and society. *PLoS ONE* 9(2):e88473.
- Corner, A., **Markowitz**, E.M., Pidgeon, N. (2014). Public engagement with climate change: The role of human values. *WIREs Climate Change*, 5, 411-422.
- Markowitz**, E.M., Slovic, P., Vastfjall, D. & Hodges, S.D. (2013). Compassion fade and the challenge of environmental conservation. *Judgment & Decision Making*, 8, 397-406.
- Howe, P.D., **Markowitz**, E.M., Lee, T., Ko, C., Leiserowitz, A. (2013). Global perceptions of local temperature change. *Nature Climate Change*, 3, 352-356.
- Markowitz**, E.M. & Bowerman, T. (2012). How much is too much? Examining the public's beliefs about consumption. *Analyses of Social Issues and Public Policy*, 12, 167-189.
- Bowerman, T. & **Markowitz**, E.M. (2012). The attitude-action gap: Toward a better understanding of "how much is enough." *Analyses of Social Issues and Public Policy*, 12, 230-238.
- Nisbet, M.C., **Markowitz**, E.M., Kotcher, J.E. (2012). Winning the climate change conversation: Framing and moral messaging in public campaigns. In L. Ahern &

D.S. Bortree (Eds.), *Talking green: Exploring contemporary issues in environmental communications*. New York: Peter Lang.

Yang, Y. & **Markowitz**, E.M. (2012). Direct and indirect effects of parental attitudes on children's active school travel: Evidence from a community sample. *Transportation Research Record*, No. 2318.

Markowitz, E.M. (2012). Is climate change an ethical issue? Exploring young adults' beliefs about climate and morality. *Climatic Change*, 114, 479-495.

Markowitz, E.M., Goldberg, L.R., Ashton, M.C. & Lee, K. (2012). Profiling the 'pro-environmental individual': A personality perspective. *Journal of Personality*, 80, 81-111.

Markowitz, E.M. & Malle, B.F. (2012). Did you just see that? Making sense of environmentally relevant behavior. *Ecopsychology*, 4, 37-50.

Markowitz, E.M. & Shariff, A.F. (2012). Climate change and moral judgment. *Nature Climate Change*, 2, 243-247.

Swim, J., **Markowitz**, E.M., & Bloodhart, B. (2012). Psychology and global climate change. In S. Clayton (Ed.), *The Oxford Handbook of Environmental Psychology*. New York, NY: Oxford University Press.

Edited Volumes and Book-Length Publications (2)

Nisbet, M.C. (Editor), Ho, S., **Markowitz**, E., O'Neill, S., Schafer, M., Thaker, J.T. (Assoc. Editors) (2017). *The Oxford Encyclopedia of Climate Change Communication, Volumes 1-3*. New York and Oxford: Oxford University Press.

Markowitz, E.M., Center for Research on Environmental Decisions, & ecoAmerica. (2014). *Connecting on Climate: A Guide to Effective Climate Change Communication*. New York and Washington, D.C.: CRED & ecoAmerica.

Book Chapters and White Papers (11)

Markowitz, E.M. & Monroe, A. (2021). Is climate justice feasible? A psychological perspective on challenges and opportunities for achieving a just climate regime.

In S. Kenenhan & C. Katz (Eds.), *Climate justice and feasibility*. Lanham, MD: Rowman & Littlefield.

Rose, K.M., Holesovsky, C.M., Brossard, D., and **Markowitz**, E.M. (2019). *Faculty Public Engagement Attitudes and Practices at Land-Grant Universities in the United States*. University of Wisconsin-Madison. Madison, WI: Department of Life Sciences Communication. Available: <http://scimep.wisc.edu/projects/reports/>

Markowitz, E.M. & Chapman, D.A. (2019). *Engaging diverse audiences on climate change adaptation: Key insights for effective communication from across the social sciences*. Rotterdam, Netherlands: Global Center on Adaptation.

Babutsidze, Z., Bradley, G., Chai, A., Dietz, T., Hales, R., **Markowitz**, E.M., Nesta L. (2018). *Public perceptions and responses to climate change in France*. Universite Cote D'Azur: France.

Markowitz, E.M. & Guckian, M. (2018). Climate change communication: Challenges, insights and opportunities. In S. Clayton & C. Manning (Eds.), *Psychology and climate change*. San Diego, CA: Elsevier.

Nisbet, M.C., **Markowitz**, E.M. & Kristiansen, S. (2017). *Science and Inequality: Why More Than Public Engagement is Needed*. Cambridge, MA: American Academy of Arts & Sciences.

Markowitz, E.M. (2017). *Leveraging existing values to promote social change: A different way to think about the role of values*. Washington, D.C.: FrameWorks Institute.

Nisbet, M. C. & **Markowitz**, E.M. (2016). *Strategic Science Communication on Environmental Debates*. Washington, DC: American Association for the Advancement of Science.

Nisbet, M. C. & **Markowitz**, E.M. (2016). *Science Communication Research: Bridging Theory and Practice*. Washington, DC: American Association for the Advancement of Science.

Nisbet, M. C. & **Markowitz**, E.M. (2016). *Americans' Attitudes about Science and Technology: The Social Context for Public Communication*. Washington, DC: American Association for the Advancement of Science.

Nisbet, M. C. & **Markowitz**, E.M. (2015). *Public Engagement Research and Major Approaches*. Washington, DC: American Association for the Advancement of Science

Publications In Preparation (14)

Shrum, T., Platt, N., Syropoulos, S.^, **Markowitz**, E.M. (Resubmitted). Effects of parenthood on climate change engagement. *WIREs Climate Change*.

Burrows^, B., Abellera^, C., **Markowitz**, E.M. (Revise & Resubmit). Coronavirus lessons for climate change: Six psychological challenges and corresponding strategies. *WIREs Climate Change*.

Syropoulos, S.^, & **Markowitz**, E.M. (Revise & Resubmit). Perceived responsibility consistently predicts increased pro-environmental attitudes, behaviors and policy support: Evidence across 23 countries. *Journal of Environmental Psychology*.

Huff, E.S., de Oliveira, A.C.M., **Markowitz**, E.M., Guckian, M., Lomonoco, L. (Revise & Resubmit). Family forest owner perceptions of wildfire and invasive pest risk: the role of psychological distance. *International Journal of Disaster Risk Reduction*.

Starr, J. Nicolson, C., Ash, M., **Markowitz**, E.M. (Under review). Assessing U.S. consumers carbon footprints reveals outsized impact of the top 1%. *Ecological Economics*.

de Oliveira, A.C.M., **Markowitz**, E.M., Huff, E.S., Grazier, E. (Under review). Yours, mine and ours: Paying to mitigate risk to self and others.

Mah, A., Aragon, C., **Markowitz**, E.M. (Under review). Visualizing hope: Investigating the effect of public art on risk perception and awareness of climate adaptation. *Climatic Change*.

Syropoulos, S.^, Watkins, H., Goodwin, G. P., & **Markowitz**, E.M. (In prep). Disentangling the effects of impact-oriented versus reputation-focused legacy motives on intergenerational concern and action.

Ginn, J.^, **Markowitz**, E.M., Chapman, D., Guckian, M., Suh, S.M., Schmidt, R., & Lickel, B. (In prep). Systemic or individual change as a climate change solution: Psychological antecedents and behavioral outcomes.

Syropoulos, S.[^], Mah, A.Y.J.[^], Dixon-Gordon, K., **Markowitz**, E.M., Reid, A., Ginn, J.[^], Min, S.S.[^], Lickel, B. (In prep). Changes in dangerous and competitive worldviews during the coronavirus epidemic: Evidence from a large-scale U.S. panel study.

Neupane[^], N. & **Markowitz**, E.M. (In prep). Mindfulness and household energy behaviors.

Starr[^], J. Nicolson, C., Ash, M., **Markowitz**, E.M., Moran, D. (In prep). Income-Based U.S. Household Carbon Footprints (1996 - 2019).

Guckian[^], M. & **Markowitz**, E.M. (In prep). Communicating for conservation: Interpersonal communication and collective action.

Syropoulos[^], S. Claessens, S., Crimston, C. R., **Markowitz**, E.M., Milfont, T. L., & Rottman, J. (in prep.). Universal patterns of moral concern attribution towards human and natural entities.

Popular Press and Other Publications (6)

Syropoulos, S. & **Markowitz**, E.M. (2021, August 23). Taking responsibility for future generations promotes personal action on climate change. *LSE Business Review*.

Markowitz, E.M. & Graves, L. (2020, December 30). After 2020, we need to talk about how we talk about catastrophe. [Editorial]. *The Washington Post*.

Markowitz, E.M. & Corner, A. (2019, September 27). Climate change is really about prosperity, peace, public health and posterity—not saving the environment. *The Conversation*.

Markowitz, E.M. & Sweetland, J. (2018, July 10). Entering a polarized issue through a “side door.” *Stanford Social Innovation Review*.

Markowitz, E.M. & Zaval, L. (2016, January 4). Here’s the secret to making people care about climate change. [Editorial]. *The Washington Post*.

Staudinger, M. & **Markowitz**, E.M. (2015, June 24). Introducing the revamped Early Career Climate Forum: What, why, how and where. [Editorial]. *Early Career Climate Forum*.

Special Issues Convened (1)

Multi-disciplinary perspectives on climate ethics. (2015). Grasso, M. & **Markowitz**, E.M. (Eds.), *Climatic Change*.

Conferences, Symposia, Panels and Workshops Organized (12 since 2014)

Community engagement and collaboration core workshop: Developing your message. (2021, November). Two-hour workshop run for faculty and staff at UMass Medical. Co-facilitator.

Climate change communication. (2021, February). Two-hour workshop offered with AAAS for state and federal fish and wildlife agency staff via U.S. Fish & Wildlife Service National Conservation Training Center. Co-facilitator.

Community engagement and collaboration core workshop: Developing your message. (2020, October). Two-hour workshop run for faculty and staff at UMass Medical. Co-facilitator.

Strategic public engagement for social psychologists. (2020, February). Half-day workshop run for faculty, post-docs, and graduate students at Society for Personality and Social Psychology annual meeting (competitive selection process). Co-facilitator.

De-mystifying public engagement: A two-day crash course in using research to change the world. (2019, June). 2-day workshop run for faculty, post-docs, graduate students and staff at UMass Amherst. Co-facilitator.

Science Communication Workshop. (2018, April). Half-day workshop run for staff and visitors at US Fish and Wildlife Service, Hadley Branch.

Environmental Social Science Research: Commonalities and Conundrums. (2018, March). One-day workshop held at UMass Amherst, co-hosted with Anita Milman (ECO).

Sustainability Psychology Pre-Conference. (2016, January). Pre-conference held at Society for Personality and Social Psychology annual conference, San Diego, CA. Co-chair.

Civic science lab: Wind power and climate change (2015, May). One-day public engagement and communication workshop co-developed and led with Matt Nisbet for UMass Amherst Offshore Wind IGERT fellows and faculty.

Sustainability Psychology Pre-Conference. (2015, February). Pre-conference held at Society for Personality and Social Psychology annual conference, Long Beach, CA. Lead organizer.

Media savvy psychologists: Work with the press so they say what you mean, and you mean what you say. (2014, August). Panel session convened at American Psychological Association Annual Convention. Co-chaired with Jerri Lynn Hogg (Fielding Graduate University).

Sustainability Psychology Pre-Conference. (2014, February). Pre-conference held at Society for Personality and Social Psychology annual conference, Austin, TX. Co-organized with Cindy Frantz (Oberlin), Alex Maki (University of Minnesota), Sandra Rodegher (Arizona State) and Vera Colaco (Lisbon).

Conference Presentations and Invited Lectures (53)

Post-Tenure

Syropoulos, S., **Markowitz**, E.M., & Shrum, T. (2022, August). Legacy motivation as a means for increasing proenvironmental behaviors. In Markowitz, E. M. (Chair) Understanding and targeting individual factors that promote support for climate-related action. Talk to be given at Division 34, 2022 APA Convention.

Mah, A., Syropoulos, S., **Markowitz**, E.M., Dixon-Gordon, K., Reid, A. & Lickel, B. (2022, August) Parenthood, proenvironmental behaviors and climate change concern. In Markowitz, E. M. (Chair) Understanding and targeting individual factors that promote support for climate-related Action. Talk given at Division 34, 2022 APA Convention.

Syropoulos, S., Watkins, H., Goodwin, G. P., & **Markowitz**, E.M. (2022, June). A Two-Dimensional Model of Legacy Motivation: Evidence for the Existence of Impact-Oriented and Reputation-Focused Legacy Motives. Flash talk to be given at the Social Psychology of the Future Virtual Mini-Conference.

Syropoulos, S. & **Markowitz**, E.M. (2022, June). Perceived responsibility towards future generations: An important antecedent of proenvironmental action and behavior. Flash talk to be given at the APA Division 34 Online conference.

- Syropoulos, S., & **Markowitz**, E.M. (2022, April). Perceived responsibility to address climate change: A pathway to proenvironmental action. Talk given at the 2022 Environmental Conservation Graduate Student Symposium, University of Massachusetts Amherst.
- Syropoulos, S., & **Markowitz**, E.M. (2021, March). A social psychological perspective on factors that can alleviate temporal discounting in intergenerational environmental action and concern. Talk given at the Environmental Conservation Graduate Student Symposium, University of Massachusetts Amherst.
- Syropoulos, S., & **Markowitz**, E.M. (2021, August). A grateful eye towards the future? Dispositional gratitude relates to consideration of future consequences. Talk given at Northeastern University.
- Casselberry, G.A., E.M. **Markowitz**, G.B. Skomal, Danylchuk, A.J. (2020, November). When fishing bites: Quantifying angler response to shark depredation. Oral presentation for the Virtual Meeting of the American Elasmobranch Society. November 14, 2020.
- Markowitz**, E.M., Lickel, B., Chapman, D., & Guckian, M. (2020, June). From boycotting to badmouthing: Examining Americans' responses to corporate wrongdoing. Talk presented at: The Sustainable Consumption Research and Action Initiative Conference; 2020 June 10-12; Virtual.
- Mah, A., **Markowitz**, E.M., Lickel, B., Chapman, D., & Guckian, M. (2020, June). Disaster Experience, Political Ideology, and Climate Change Concern among Americans. Talk presented at: The Sustainable Consumption Research and Action Initiative Conference; 2020 June 10-12; Virtual.
- Syropoulos, S., Watkins, H., & **Markowitz**, E.M. (2020, June). Impact and not Reputation-based Legacy Motives Predict Environmental Action. Talk presented at: The Sustainable Consumption Research and Action Initiative Conference; 2020 June 10-12; Virtual.
- Mah, A., Lickel, B., **Markowitz**, E.M., Chapman, D., Guckian M., & Roberto González (2020). Disaster Experience and Climate Change Concern among Chileans and Americans. Poster accepted at: The Society for the Psychological Study of Social Issues. (Conference cancelled due to COVID).

Markowitz, E.M. (2019, October). *So we want to save the world? What the behavioral sciences can (and can't) offer the sustainability movement.* Invited lecture. Vassar College. Poughkeepsie, NY.

Vesel, L., Ginn, J., Chapman, D., **Markowitz, E.M.**, Lickel, B. (2019, June). *Community preferences for climate change resilience strategies.* Poster. Society for Community Research & Action 2019. Chicago, IL.

Rose, K., Brossard, D., **Markowitz, E.M.** (2019, May). *Scientists as decision-makers: How science faculty members view the public and contributions to decisions about science.* Accepted paper. International Communication Association 2019 Conference. Washington, D.C.

Markowitz, E.M. (2019, April). *Americans' beliefs about top-down versus bottom-up approaches to solving societal challenges: New insights.* Invited guest seminar. SciMEP research group at University of Wisconsin-Madison. Madison, WI.

Guckian, M., Lickel, B. & **Markowitz, E.M.** (2019, January). *From badmouthing to boycotting: Exploring Americans' reactions to high profile corporate scandals.* Invited talk. Sustainability Psychology Pre-conference at Society for Personality and Social Psychology annual meeting. Portland, OR.

Ginn, J., **Markowitz, E.M.**...Lickel, B. (2019, January). *Individual preferences for climate change solutions as a top-down vs. bottom-up process.* Poster. Sustainability Psychology Pre-conference at Society for Personality and Social Psychology annual meeting. Portland, OR.

Pre-Tenure

Markowitz, E.M. (2018, September). *Examining Americans' beliefs about top-down versus bottom-up approaches to solving societal challenges.* Invited lecture. Indiana University School of Public and Environmental Affairs. Bloomington, IN.

Markowitz, E.M., Guckian, M., Chapman, D., Lickel, B. (2018, June). *Will consumers step up when corporations let us down? Examining Volkswagen owners' responses to the diesel emissions scandal.* Talk. Sustainable Consumption Research and Action Initiative 2018 conference. Copenhagen, Denmark.

- Markowitz, E.M.** (2017, November). *Climate change communication workshop*. Invited lecture. Massachusetts Ecosystem Climate Adaptation Network inaugural meeting. Westborough, MA.
- Markowitz, E.M.** (2017, November). *Overcoming our (bad) environmental habits*. Invited lecture. Western Mass Youth Climate Summit. Easthampton, MA.
- Markowitz, E.M. & Guckian[^], M.L.** (2017, August). *Using non-environmental frames to increase social sanctioning of environmental behavior*. Talk. American Psychological Association Annual Convention. Washington, DC.
- Markowitz, E.M.** (2017, August). *Ten years later: Reflecting on my first decade as an environmental social scientist*. Invited lecture. American Psychological Association annual convention. Washington, D.C.
- Markowitz, E.M.** (2017, July). *A brief introduction to climate skepticism: What, where and why*. Invited lecture. RISCC Management Conference. Amherst, MA.
- Chapman, D. A., Guckian, M. G., Lickel, B., & **Markowitz, E. M.** (2017, June). *Identities interact to influence responses to the Volkswagen emissions scandal*. Talk. Society for the Psychological Study of Social Issues annual meeting. Albuquerque, NM.
- Nisbet, M.C. & **Markowitz, E.M.** (2017, June). *Science and Inequality: Why More Than Public Engagement is Needed*. Invited lecture. Meeting of the Public Face of Science project, American Academy of Arts & Sciences. Cambridge, MA.
- Chapman[^], D. A., Lickel, B., & **Markowitz, E.** (2017, May 13). *The Effect of Ideology on Interpersonal Communication of Polarized Public Risks*. Invited data blitz presentation. "From Micro-Level Cognitive Phenomena to Large-Scale Social Dynamics" Small Group Conference. Princeton, NJ.
- Markowitz, E. & Chapman[^], D. A.** (2017, May 9). *Does discussing adaptation "subtract from prevention"? Perceived tradeoffs between adaptation and mitigation-based policy planning*. Poster. National Adaptation Forum. Saint-Paul, MN.
- Markowitz, E.M.** (2017, February). *What motivates scientists to engage with the public?* Invited lecture. Annual meeting of the American Association for the Advancement of Science. Boston, MA.

Markowitz, E.M. (2017, January). *Why we'll need sustainability psychologists more than ever, after tomorrow*. Invited lecture. Sustainability Psychology preconference for the 2017 meeting of the Society for Personality and Social Psychology. San Antonio, TX.

Markowitz, E.M. (2016, November). *Signaling and Sanctioning: Old solutions to a new (climate) problem?* Invited paper and lecture. Social Sciences Research Council Democracy and Climate Change meeting. Princeton, NJ.

Chapman, D., **Markowitz, E.M.**, & Corner, A. (2016, July). *Climate visuals: developing an evidence-based library of climate change imagery*. Invited lecture. Society for Conservation Biology Annual Meeting. Madison, Wisconsin.

Chapman, D., **Markowitz, E.M.**, & Corner, A. (2016, June). *Climate visuals: developing an evidence-based library of climate change imagery*. Invited lecture. Society for the Psychological Study of Social Issues. Minneapolis, Minnesota.

Guckian, M.L., **Markowitz, E.M.**, & Lickel, B. (2016, June). *Signaling de-consumption: Identifying the affective and cognitive bases of obligation to signal consumption choices to others*. Talk. International Sustainable Consumption Research and Action Initiative Conference conference. Orono, ME.

Markowitz, E.M. (2016, April). *Leveraging psychological insights to promote conservation*. Invited seminar. Harvard Forest. Petersham, MA.

Chapman, D., **Markowitz, E.**, Corner, A., & Webster, R. (2016, January). *Climate Visuals: Developing an Evidence-Based Online Library of Climate Change Imagery*. Data blitz talk. Sustainability Psychology preconference for the 2016 meeting of the Society for Personality and Social Psychology. San Diego, CA.

Guckian M.L. & **Markowitz, E.M.** (2016, January). *Examining the drivers of interpersonal communication in environmentally relevant behavior*. Poster. Sustainability Psychology preconference for the 2016 meeting of the Society for Personality and Social Psychology. San Diego, CA.

Sokoloski, R. & **Markowitz, E.M.** (2016, January). *Investigating potential rebound effects of electricity **generation** reports*. Poster. Sustainability Psychology preconference for the 2016 meeting of the Society for Personality and Social Psychology. San Diego, CA.

- Zaval, L., **Markowitz**, E.M., Weber, E. (2015, November). *How will I be remembered? Conserving the Environment for the Sake of One's Legacy*. Talk. Society for Judgment and Decision Making annual meeting. Chicago, IL.
- Schneider, C., Zaval, L., Weber, E., **Markowitz**, E.M. (2015). *How will you feel tomorrow? Anticipated emotions and environmental behavior*. Poster. Society for Judgment and Decision Making annual meeting. Chicago, IL.
- Crookes, R., **Markowitz**, E.M., Weber, E.U. (2015). *Now that we have saved lives, let's save the environment! Defaults and their effect on behavioral spillover*. Poster. Society for Judgment and Decision Making annual meeting. Chicago, IL.
- Markowitz**, E.M., Guckian, M. (2015, November). *Doing the right thing...again and again. Developing a web-based platform to study repeated proenvironmental action*. Invited lecture. Laboratory for Sustainable Societies, Columbia University.
- Markowitz**, E.M. (2015, September). *Going back to the future: Leveraging psychological insights to promote conservation*. Invited seminar. Ohio State University. Columbus, Ohio.
- Markowitz**, E.M., Nisbet, M.C., Danylchuk, A. (2015, August). *What's that buzzing noise? Public acceptance of drone use for environmental conservation*. Invited lecture. American Psychological Association Annual Convention. Toronto, Canada.
- Markowitz**, E.M. (2015, June). *Promoting sustainability with a positive vision of the future*. Invited lecture. Seizing an Alternative Toward an Ecological Civilization. Claremont, CA.
- Zaval, L., **Markowitz**, E.M., Weber, E.U. (2015, May). *Conserving the Environment for Legacy's Sake*. Invited panelist. Psychological Responses to Climate Change Symposium. Association for Psychological Science Annual Convention. New York, NY.
- Markowitz**, E.M., Guckian, M. (2015, May). *Communicating about climate adaptation: Opportunities and potential pitfalls*. Poster. National Adaptation Forum. St Louis, MO.
- Markowitz**, E.M. (2015, January). *Putting the cart before the horse: Effective climate change communication starts with people, values and solutions*. Invited lecture. Georgetown University, Washington, DC.

St. John, C., **Markowitz**, E.M., Marx, S. (2014, December). *Using Social Science Research to Inform and Improve the Practice of Climate Change Communication*. Talk. Meeting of the American Geophysical Union, San Francisco, CA.

Crookes, R., **Markowitz**, E.M., Weber, E.U. (2014, November). *After the nudge: Effects of decision architecture on behavioral spillover*. Poster. Society for Judgment and Decision Making Annual Conference.

Markowitz, E.M. (2014, October). *Public engagement and decision-making: Implications for managing risk in global agriculture*. Invited lecture. Systemic Risk in Global Agriculture meeting. Princeton University. Princeton, NJ.

Markowitz, E.M. (2014, August). *Presenting a new guide to climate change communication*. Invited lecture. American Psychological Association annual convention. Washington, DC.

Awards, Honors, Scholarships (Selected)

2021	Climate Change Communication Award . CMCC.
2019	Sustainability Curriculum Fellow . UMass Amherst
2017	Early Career Achievement Award . Division 34, APA.
2015-2016	Student-Centered Teaching & Learning Fellow . UMass Amherst.
2014-2015	Next Generation Hazards & Disasters Fellow . Nat'l Sci Foundation.
2014-2015	Civic Engagement & Service Learning Fellow . UMass Amherst.
2013	DISCCRS VIII Symposium (invited, attended). DISCCRS.org.
2012	Outstanding student paper award . APA Divisions 9 & 34.
2011	Best paper award . 9 th Biennial Conference on Enviro. Psychology.
2007-2012	National Science Foundation Graduate Research Fellowship . NSF.

Graduate Student Advisees

* Committee Chair or Co-Chair

Shannon Callahan*	Current	PhD Student, Environmental Conservation
Andrea Mah*	Current	PhD Student, Psychology
Jared Starr	Current	PhD Student, Environmental Conservation
Joel Ginn	Current	PhD Student, Psychology
Stelios Syropoulos	Current	PhD Student, Psychology
Brooke Burrows	Current	PhD Student, Psychology
Grace Cassleberry	Current	PhD Student, Environmental Conservation

Nischal Neupane*	2020	MS Student, Environmental Conservation
Amanda Davis	2020	MS Student, Environmental Conservation
Kate Rose	2019	PhD Student, Communications (UW-Madison)
Meaghan Guckian*	2019	PhD Student, Environmental Conservation
Dan Chapman*	2018	PhD Student, Psychology
Raymond Crookes	2017	PhD Student, Psychology (Columbia University)
Ana Emlinger	2016	PhD Student, Regional Planning
Meghna Marjadi	2016	MS Student, Organismic & Evolutionary Biology
Rebekah Zimmerer	2016	MS Student, Environmental Conservation
Tyler Gagne	2016	MS Student, Environmental Conservation
Sarah Lang	2016	MS Student, Regional Planning

University and Professional Service (since 2014)

University

2021	Member. Fellowship Committee, CNS Summer COVID Fund.
2019-2020	Member. Search Committee, CNS Director of Communications.
2018-2021	Co-Director. UMass Public Engagement Project.
2018-2020	Founder. UMass Climate Change, Disparities & Diversity Group.
2017-present	Member. UMass Public Engagement Project Steering Committee.
2015-present	Co-Chair. Environmental Policy & Human Dimensions Graduate Program, Department of Environmental Conservation.

Professional

2021-2023	Chapter Author. 5 th National Climate Assessment.
2020-2022	Member. Am. Psych. Assoc. Climate Change Task Force.
2020-2022	Member. Soc. Behav. Medicine Climate Change Task Force.
2018-2022	Member. Research Advisory Board, <i>Climate Outreach</i> .
2018-2021	President-Elect/President/Past. Am. Psych. Assoc., Division 34.
2018-2020	Member. <i>How We Respond</i> Project Advisory Board, AAAS.
2017-2019	Associate Deputy Editor. <i>Climatic Change</i> .
2016-2018	Council Representative. Am. Psych. Assoc., Division 34.
2015-2017	Associate Editor. <i>Encyclopedia of Climate Change Communication</i> .
2014-2016	Awards Committee Chair. Am. Psych. Assoc., Division 34.
2013-2016	Member-at-Large. American Psychological Association Division 34.
2014-2016	Conference Chair. SPSP Sustainability Psychology preconference.

Ad hoc journal reviewer (partial list)

Climatic Change

Current Research in Ecological and Social Psychology

Ecosystem Services

Environmental Communication

Environmental Studies and Sciences

Global Environmental Change

Global Planetary Change

Journal of Environmental Psychology

Journal of Exp. Psychology: Applied

Journal of Exp. Social Psychology

Nature Climate Change

Nature Energy

Nature Human Behavior

Nature Sustainability

PLOS One

PNAS

Sustainability Science

WIREs Climate Change