

JENNIFER R. MARLON

Senior Research Scientist & Lecturer
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EDUCATION

- 2009 Ph.D., Geography, Paleoclimatology, University of Oregon
- 2003 M.S., Geography, Paleoecology, University of Oregon
- 1991 B.S., Business Administration/Financial Decision Systems, University at Albany, State University of New York

PROFESSIONAL EXPERIENCE

- 2018 – present Senior Research Scientist, Yale School of the Environment; Director of Data Science at the Yale Program on Climate Change Communication; Secondary appointments since 2020 as Lecturer in the School of the Environment and in the Department of Molecular, Cellular and Developmental Biology. Yale University, New Haven, CT
- 2013 – 2018 Associate Research Scientist, Yale School of the Environment. Yale University, New Haven, CT
- 2009 – 2010 Postdoctoral Research Assoc., Dept. of Political Science, University of Oregon, OR
- 2003 – 2008 Research Assistant, Dept. of Geography, University of Oregon, OR
- 2001 – 2002 Instructor, Geographic Information Systems, Dept. of Geography, University of Oregon
- 1999 – 2000 Project Manager, Broadcast Software International, Eugene, Oregon
- 1995 – 1997 Quality Assurance Manager (CA & NY offices), Electronic Legal Publishing, West Group, San Francisco, CA (managed 40 developers and staff)
- 1994 – 1995 Digital Production Manager (CA), Electronic Legal Publishing, Bancroft-Whitney, San Francisco, CA (managed 6 software engineers)
- 1992 – 1993 Analyst, Sierra Health Services, Las Vegas, NV
- 1991 – 1992 Management Consultant, Ernst & Young, New York, NY

RESEARCH GRANTS & AWARDS

- 2023 Yale Environmental Data Science Grant: An examination of the American public's role in reducing microplastics (synthetic microfiber) emissions from clothing and laundry to inform industry sustainability strategies and government policies. Led by YSE Master's student Soma Barsen (\$5000).
- 2022 Yale Institute for Biospheric Studies (YIBS) Climate Seed Grant: Paleofire-climate variation in Africa: data-model comparisons since the Last Glacial Maximum for improved estimation of wildfire in the Earth system with co-PI Carla Staver (\$199,918).
- 2021 Yale Institute for Biospheric Studies (YIBS) G. Evelyn Hutchinson Postdoctoral Environmental Fellowship Grant: The trophic ecology of African savanna ecosystems with co-PIs Vanessa Ezenwa and Carla Staver (\$432,000).
- 2020 Frank Prize Finalist for Public Interest Communications: How hope and doubt affect climate change mobilization (\$1,500)
- 2018 Directorate for Social, Behavioral and Economic Sciences/NSF Award (Co-P.I.): CNH-L: Volcanism, Hydrology and Social Conflict: Lessons from Hellenistic and Roman-Era Egypt and Mesopotamia (\$85,244)
- 2018 Department of Defense, Broad Agency Announcement (BAA) General Coastal Engineering, Coastal Geology, and Dredging Investigations (Subaward): Communicating sea-level rise risks to US publics in high-risk FEMA flood zones (\$72,095)
- 2016 City of Milford Health Department (P.I.): Medical Reserve Corps Volunteer Survey for Emergency Preparedness (\$10,000)
- 2015 - 2017 NSF Award (Co-P.I.): Collaborative Research: Multi-scale Modeling of Public Perceptions of Heat Wave Risk (\$223,141)
- 2014 - 2017 NSF Award (Lead P.I.): Collaborative Research: Testing hypotheses about fire using paleodata syntheses and fire modeling (\$114,291)
- 2014 - 2015 NOAA Award (Lead P.I.): An audience segmentation analysis of Connecticut coastal residents to support storm preparedness (\$149,883)
- 2013 - 2016 NSF Award (Co-P.I.): Collaborative Research and NEON: MSB Category 2: PaleON – a PaleoEcological Observatory Network to assess terrestrial ecosystem models (\$98,897)
- 2010 - 2012 NSF EAR Postdoctoral Fellowship Award: Understanding the coupled response of vegetation and fire to climatic variation since the Last Glacial Maximum (\$170,000)

2008	University of Oregon Doctoral Research Fellowship: Fires of the past: syntheses from sedimentary charcoal data (\$18,000)
2008	University Scholarship (\$1800)
2007 - 2008	National Science Foundation: Doctoral Dissertation Improvement Grant: Global fire since the Last Glacial Maximum (\$7585)
2007	National Science Foundation travel award for early-career scientists to attend the XVII INQUA Congress, Cairns, Australia (\$2300)
2007	Department of Geography Summer Field Work Scholarship (\$500)
2005 - 2006	University Scholarship (\$1800)
2004	AAG Biogeography Specialty Group Award: Best Ph.D. Paper/Poster (\$100)
2004	Department of Geography Travel Award (\$500)
2002 - 2003	University Scholarship (\$1500)
2001 - 2002	University Scholarship (\$2800)
2001	Department of Geography Travel Award (\$500)

PEER-REVIEWED PUBLICATIONS

80. Bergquist, P., Vandeweerd, C., Mildener, M., Howe, P., Marlon, J. (accepted). Global geographic variation in climate concern at national and sub-national scales. *Nature Climate Change*.
79. Evaluation of global fire simulations in CMIP6 Earth system models. Li, F., Song, X., Harrison, S.P., Marlon, J.R., Lin, Z., Leung, L.R., Schwinger, J., Maréchal, V., Wang, S., Ward, D.S., Dong, X., Lee, H., Nieradzik, L., Rabin, S., Séférian, R. (in review). *Geoscientific Model Development*.
78. Moldovan, E., Cort, T., Leiserowitz, A., Marlon, J. (submitted). The Evolving Climate Change Investing Strategies of Asset Owners. *Nature Climate Action*.
77. Ayers, M., Ballew, M., Maibach, E., Rosenthal, S., Roser-Renouf, C., Leiserowitz, A., Marlon, J. (in review). Changes in global warming's Six Americas: An analysis of repeat respondents. *Climatic Change*.
76. Carman, J., Psaros, M., Rosenthal, S., Marlon, J., Verner, M., Lee, S., Lu, D., Goldberg, M., Ballew, M., Leiserowitz, A. (accepted). Geeks versus climate change: Understanding American video gamers' engagement with global warming. *Games and Culture*.
75. Moldovan, E., Cort, T., Marlon, J., Goldberg, M., Leiserowitz, A., (in review). Fiduciary duty and climate change: American investment in a sustainable future.
74. Xia, Z., Ye, J., Marlon, J., Dong, X., Xie, J., Tian, X., Xu, M., Yang, J., Zhang, C., Liu, M. (in review). Growing climate change concern but rising regional disparities in China.
73. Mildener, M., Sahn, A., Miljanich, C., Hummel, M., Lubell, M., Marlon, J.R. (2024). Unintended consequences of using maps to communicate sea-level rise. *Nature Sustainability*.
72. Holliday, V., Daulton, T.L., Bartlein, P.J., Boslough, M.B., Breslawski, R.P., Fisher, A.E., Jorgeson, I.A., Scott, A.C., Koeberl, C., Marlon, J.R., Severinghaus, J., Petaev, M.I., Clayes, P.

- (2023). Comprehensive refutation of the Younger Dryas Impact Hypothesis (YDIH). *Earth-Science Reviews* (247) 104502. <https://doi.org/10.1016/j.earscirev.2023.104502>
71. Karp, A., Uno, K.T., Berke, M.A., Russell, J.M., Scholz, C.A., Marlon, J., Faith, T., Staver, C. (2023). Nonlinear rainfall effects on savanna fire activity across the African Humid Period. *Quaternary Science Reviews*, 304, p.107994.
 70. Marlon, J.R., Wang, X., Bergquist, P., Howe, P., Leiserowitz, A., Maibach, E., Mildenerger, M., Rosenthal, S. (2022). Change in US state-level public opinion about climate change: 2008-2020. *Environmental Research Letters*. DOI:10.1088/1748-9326/aca702.
 69. Harrison, S.P., Villegas-Diaz, R., Cruz-Silva, E., Gallagher, D., Kesner, D., Lincoln, P., et al. (2022). The Reading Palaeofire database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. *Earth System Science Data*, 14(3), 1109-1124.
 68. Marlon, J., Neyens, E., Everett-Lane, B., Rosenthal, S., Maibach, E., Leiserowitz, A. (2022). How do climate change views differ by generation? *Generations Journal*, 46(2), 1-11.
 67. Schoessow, F. S., Li, Y., Marlon, J. R., Leiserowitz, A., & Howe, P. D. (2022). Sociodemographic factors associated with heatwave risk perception in the United States. *Weather, Climate, and Society*. <https://doi.org/10.1175/WCAS-D-21-0104.1>.
 66. Carman, J., Rosenthal, S., Marlon, J.R., Leiserowitz, A. (2022). Measuring Americans' support for adapting to 'climate change' or 'extreme weather'. *Environmental Communication*. DOI: [10.1080/17524032.2022.2087709](https://doi.org/10.1080/17524032.2022.2087709). Data: <https://osf.io/qeaws/>.
 65. Bergquist, P., Goldberg, M.H., Gustafson, A., Rosenthal, S., Leiserowitz, A., Marlon, J.R. (2022). Information about the human causes of global warming influences causal attribution, concern, and policy support related to global warming. *Thinking & Reasoning*. DOI:10.1080/13546783.2022.2030407.
 64. Ballew, M.B., Marlon, J.R., Goldberg, M.H., Maibach, E.W., Rosenthal, S.A., Aiken, E., Leiserowitz, A. (2022). Changing minds about global warming: Predictors of self-reported attitude change in the U.S. *Climatic Change*. DOI: 10.1007/s10584-022-03397-w.
 63. Karp, A.T., Faith, J.T., Marlon, J.R., Staver, A.C. (2021). Global response of fire activity to late Quaternary grazer extinctions. *Science* 374 (6571), 1145-1148.
 62. Leiserowitz, A., Roser-Renouf, C., Marlon, J.R., Maibach, E. (2021). Global Warming's Six Americas: A review and recommendations for climate change communication. *Current Opinion in Behavioral Sciences* 42, 97-103.
 61. Peng, W., Iyer, G., Binsted, M., Marlon, J., Clarke, L., Edmonds, J.A., Victor, D.G. (2021). To achieve deep cuts in US emissions, state-driven policy is only slightly more expensive than nationally uniform policy. *Nature Climate Change* 11 (11), 911-912.
 60. Peng, W., Iyer, G., Binsted, M., Marlon, J., Clarke, L., Edmonds, J.A., Victor, D. (2021). The surprisingly inexpensive cost of state-driven emission control strategies. *Nature Climate Change*. DOI: <https://www.nature.com/articles/s41558-021-01128-0>.
 59. Marlon, J.R., Wang, X., Mildenerger, M., Bergquist, P., Swain, S., Hayhoe, K., Howe, P.D., Maibach, E., Leiserowitz, A. (2021). Hot dry days increase perceived experience with global warming. *Global Environmental Change*, 68, 102247.

58. Marlon, J.R. (2020). What the past can say about the present and future of fire. *Quaternary Research*, 96, 66-87.
57. Goldberg, M., Marlon, J.R., Wang, X., van der Linden, S., Leiserowitz, A. (2020). Oil and gas companies invest in legislators that vote against the environment. *Proceedings in the National Academy of Sciences*, 117(10), 5111-5112.
56. Gustafson, A., Marlon, J.R., Goldberg, M.H., Wang, X., Ballew, M.B., Rosenthal, S.A., Leiserowitz, A. (2020). Many Americans Support Suing Fossil Fuels Companies for Global Warming Damages. *Environment*, 62(2), 30-35.
55. Han, Y., An, Z., Marlon, J.R., Bradley, R.S., Zhan, C., Arimoto, R., Sun, Y., Zhou, W., Wu, F., Wang, Q., Burr, G.S., Cao, J. (2020). Asian inland wildfires driven by glacial-interglacial climate change. *Proceedings of the National Academy of Sciences*. 117 (10) 5184-5189
<https://doi.org/10.1073/pnas.1822035117>.
54. Ballew, M.T., Leiserowitz, A., Roser-Renouf, C., Rosenthal, S.A., Kotcher, J.E., Marlon, J.R., Lyon, E., Goldberg, M.H., Maibach, E.W. (2019). Climate change in the American mind: Data, tools, and trends. *Environment: Science and Policy for Sustainable Development*, 61(3), 4-18.
53. Buma, B., Harvey, B.J., Gavin, D.G., Kelly, R., Loboda, T., McNeil, B.E., Marlon, J.R., Meddens, A.J.H., Morris, J.L., Raffa, K.F., Shuman, B., Smithwick, E.A.H., McLauchlan, K.K. (2019). The values of linking paleoecological and neoecological perspectives to understand spatially-explicit ecosystem resilience. *Landscape ecology* 34 (1), 17-33. doi: 10.1007/s10980-018-0754-5.
52. Cutler, M. J., Marlon, J., Howe, P., Leiserowitz, A. (2019). 'Is global warming affecting the weather?' Evidence for increased attribution beliefs among coastal versus inland US residents. *Environmental Sociology*, 1-13.
51. Daniau, A-L., Desprat, S., Aleman, J., Naughton, R., Montade, V., Bremond, L., Davis, B., Marlon, J., Marquer, L., Fletcher, W., Morales del Molino, C., Rius, D., Urrego, D.H. (2019). Terrestrial plant microfossils in paleoenvironmental studies, pollen, microcharcoal and phytolith. Towards a comprehensive understanding of vegetation, fire and climate changes over the past one million years. *Revue de micropaléontologie* 63, 1-35. doi: 10.1016/j.revmic.2019.02.001.
50. Esplin, E., Marlon, J.R., Leiserowitz, A., Howe, P.D. (2019). Can you take the heat? Heat-induced health symptoms influence protective behaviors. *Weather, Climate, and Society*, 11(2), 401-417.
49. Goldberg, M., Marlon, J.R., Rosenthal, S., Leiserowitz, A. (2019). A Meta-cognitive approach to predicting hurricane evacuation behavior. *Environmental Communication*. doi: 10.1080/17524032.2019.1687100.
48. Holliday, V., Bartlein, P.J., Scott, A.C., Marlon, J.R. (2019). Extraordinary biomass-burning episode and impact winter triggered by the Younger Dryas cosmic impact ~12,800 years ago, Parts 1 and 2: A Discussion. *Journal of Geology*, 128(1), 69-94.
47. Howe, P.D., Marlon, J.R., Mildenerger, M., Shield, B.S. (2019). How will climate change shape climate opinion? *Environmental Research Letters*, 14(11), 113001.
<http://doi.org/10.17605/OSF.IO/UN7ZG>.
46. Howe*, P.D., Marlon*, J.R., Wang, X., Leiserowitz, A. (2019). Public perceptions of the health risks of extreme heat across US states, counties, and neighborhoods. *Proceedings of the National Academy of Sciences*, 116(14), 6743-6748. *Both authors contributed equally.

45. Marlon, J.R., Bloodhart, B., Ballew, M., Rolfe-Redding, J., Leiserowitz, A., Maibach, E. (2019). How hope and doubt affect climate change mobilization. *Frontiers in Communication*. doi: 10.3389/fcomm.2019.00020.
44. Chryst, B., Marlon, J.R., Van der Linden, S., Leiserowitz, A., Maibach, E., Roser-Renouf, C. (2018). Six Americas Short Survey. *Environmental Communication* 12 (8), 1109-1122.
43. Cutler, M., Marlon, J.R., Howe, P., Leiserowitz, A. (2018). The influence of political ideology and socioeconomic vulnerability on perceived health risks of heat waves in the context of climate change. *Weather, Climate and Society* 10(4), 731-746.
42. Fischer, H., Meissner, K.J., Mix, A.C., Abram, N.J., Austermann, J., Brovkin, V., Capron, E., Colombaroli, D., Daniau, A-L., Dyez, K.A., Felis, T., Finkelstein, S.A., Jaccard, S.L., McClymont, E. L., Rovere, A., Sutter, J., Wolff, E.W., Affolter, S., Bakker, P., Ballesteros-Cánovas, J.A., Barbante, C., Caley, T., Carlson, A.E., Churakova, O., Cortese, G., Cumming, B.F., Davis, B.A.S., Vernal, A-D., Emile-Geay, J., Fritz, S.C., Gierz, P., Gottschalk, J., Holloway, M.D., Joos, R., Kucera, M., Loutre, M-F., Lunt, D. J., Marcisz, K., Marlon, J.R., Martinez, P., Masson-Delmotte, V., Nehrbass-Ahles, C., Otto-Bliesner, B., Raible, C.C., Risebrobakken, B., Sánchez Goñi, M.F., Saleem Arrigo, J., Sarnthein, M., Stocker, T.F., Velasquez Álvarez, P.A., Tinner, W., Vogel, H., Wanner, H., Yan, Q., Yu, Z., Ziegler, M., Zhou, L. (2018). Paleoclimate constraints on a future warmer world. *Nature Geoscience*, 1.
41. Leys, B., Marlon, J.R., Umbanhowar, C., Vanniere, B. (2018). Global fire history of grassland biomes. *Ecology and Evolution* 8 (17), 8831-8852. <https://doi.org/10.1002/ece3.4394>
40. Marlon, J.R., van der Linden, S., Howe, P.D., Leiserowitz, A., Woo, S.H.L., Broad, K. (2018). Detecting local environmental change: The role of experience in shaping risk judgments about global warming. *Journal of Risk Research*, 1-15.
39. Zhang, B., Mildenerger, M., Howe, P.D., Marlon, J.R., Rosenthal S., Leiserowitz A. (2018). Quota sampling using Facebook advertisements can generate nationally representative opinion estimates. *Political Science Research Methods*, doi:10.1017/psrm.2018.49.
38. Zhang B., Mildenerger, M., van der Linden S., Marlon, J.R., Howe, P.D., Leiserowitz A. (2018). Experimental effects of climate messages vary geographically. *Nature Climate Change*, 1.
37. Mildenerger, M., Marlon, J.R., Howe, P.D., Leiserowitz, A. (2017). The spatial distribution of U.S. Republican climate and energy opinions at state and local scales. *Climatic Change*, 145(3-4), 539-548.
36. Manning, J., Stine, A., Boos, W., Sigl, M., Marlon, J.R. (2017). Volcanic forcing triggers revolt and constraints interstate conflict in ancient Egypt. *Nature Communications*, 8.
35. Hawthorne, D., Mustaphi, C.J.C., Aleman, J., Blarquez, O., Colombaroli, D., Daniau, A-L., Marlon, J.R., Power, M., Vanniere, B., Carcaillet, C., Githumbi, E.N., Han, Y., Hantson, S., Kehrwald, N. Magi, B., Marchant, R., Ayodele, O., Muriuki, R., Yue, X. (2017). The modern Global Charcoal Database (mGCD): a tool to examine fire-proxy relationships, emissions, and spatial patterns of biomass burning. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2017.03.046>
34. Itter, M., Finley, A.O., Hooten, M.B., Higuera, P.E., Marlon, J.R., Kelly, R., McLachlan, J.S. (2017). A model-based approach to wildland fire reconstruction using sediment charcoal records. *Environmetrics*, 28(7), e2450. <https://doi.org/10.1002/env.2450>

33. Marlon, J.R., Pederson, N., Nolan, C., Goring, S., Shuman, B., Booth, R., Bartlein, P., Berke, M.A., Clifford, M., Cook, E., Dieffenbacher-Krall, A., Dietz, M.C., Hessel, A., Hubeny, J.B., Jackson, S.T., Marsicek, J., McLachlan, J., Mock, C.J., Moore, D.J.P., Nichols, J., Robertson, A., Schaefer, K., Trouet, V., Umbanhowar, C., Williams, J.W., Yu, Z. (2017). Climatic history of the northeastern United States during the past 3000 years. *Climate of the Past*, 13(10), 1355.
32. van Marle, M.J.E., Kloster, S., Magi, B., Marlon, J.R., Daniau, A-L, Field, R.D., Arneth, A., Forrest, M., Hantson, S., Kehrwald, N.M., Knorr, W., Lasslop, G., Li, F., Mangeon, S., Yue, C., Kaiser, J.W., van der Werf, G.R. (2017). Historic global biomass burning emissions based on merging satellite observations with proxies and fire models (1750-2015). *Geoscientific Model Development* 10, 3329-3357. <https://www.geosci-model-dev.net/10/3329/2017/>.
31. Marlon, J.R., Kelly, R., Daniau, A-L., Vanniere, B., Power, M.J., Bartlein, P., Higuera, P., Blarquez, O., Brewer, S., Brucher, T., Feurdean, A., Gil Romera, G., Iglesias, V., Maezumi, Y., Magi, B., Mustaphi, C., Zhihai, T. (2016). Reconstructions of biomass burning from sediment-charcoal records to improve data-model comparisons. *Biogeosciences*, 13, 3225-3244. doi:10.5194/bg-13-3225-2016
30. Kehrwald, N., Aleman, J. C., Coughlan, M., Mustaphi, C. J. C., Githumbi, E. N., Magi, B. I., Marlon, J.R., Power, M. J. (2016). One thousand years of fires: Integrating proxy and model data, *Frontiers of Biogeography*, 8(1).
29. Mildenerger, M., Howe, P.D., Lachapelle, E., Stokes, L., Marlon, J.R., Gravelle, T.B. (2016). The distribution of climate change public opinion in Canada. *PLoS ONE*, <http://dx.doi.org/10.1371/journal.pone.0159774>.
28. Boslough, M., Nicoll, K., Daulton, T., Scott, A., Claeys, P., Gill, J.L. Marlon, J.R., Bartlein, P.J. (2015). Incomplete Bayesian model rejects contradictory radiocarbon data for being contradictory. *Proceedings of the National Academy of Sciences*, 112(49), E6722-E6722.
27. Howe, P., Mildenerger, M., Marlon J.R., Leiserowitz, A. (2015). Modelling US climate change opinion at state and local scales. *Nature Climate Change*, 5(6), 596-603. doi:10.1038/nclimate2583.
26. Walsh, M., Marlon J.R., Goring, S., Brown, K., Gavin, D. (2015). Climatic and human influences on Holocene fire activity in the Pacific Northwest region of North America. *Annals of the Association of American Geographers*, 105(6), 1135-1157.
25. Williams, A., Mooney, S., Sisson, S., Marlon J.R. (2015). Exploration of the human-fire relationship in Australia over the last 20,000 years. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 432: 49-57.
24. Zennaro, P., Kehrwald, N., Marlon, J.R., Ruddiman, W., Brucher, T., Agostinelli, C., Dahl-Jensen, D., Zangrando, R., Gambaro, A., Barbante, C. (2015) Europe on fire three thousand years ago: Arson or climate? *Geophysical Research Letters*, 42, 5023–2033, doi: [10.1002/2015GL064259](https://doi.org/10.1002/2015GL064259).
23. Blarquez, O., Bartlein, P.J., Vannière B., Marlon J.R., Daniau A. -L., Power M. J., Brewer S., Paleofire: An R package to analyse sedimentary charcoal records from the Global Charcoal Database to reconstruct past biomass burning (2014). *Computers & Geosciences*, 72, 255-261.
22. Brucher, T., Brovkin, V., Kloster, S., Marlon, J.R., Power, M.J., Comparing modelled fire dynamics with charcoal records for the Holocene (2014). *Climate of the Past*, 10, 811-824. doi:10.5194/cp-10-811-2014.

21. McLauchlan, K.K., Higuera, P.E., Gavin, D.G., Perakis, S.P., Mack, M.M., Alexander, H., Battles, J., Biondi, F., Buma, B., Colombaroli, D., Enders, S., Engstrom, D.R., Hu, F.S., Marlon, J.R., Marshall, J., McGlone, M., Morris, J., Nave, L., Shuman, B., Smithwick, E., Urrego, D., Wardle, D., Williams, C., Williams, J.J. (2014). Reconstructing disturbances and their biogeochemical consequences over multiple timescales. *Bioscience*, bit017. doi: 10.1093/biosci/bit017.
20. Zennaro, P., Natalie Kehrwald, N., McConnell, J.R., Schüpbach, S., Maselli, O., Marlon, J.R., Vallelonga, P., Leuenberger, D., Zangrando, R., Spolao, A., Borrotti, M., Barbaro, E., Gambaro, A., Barbante, C. Fire in ice: Two millennia of boreal forest fire history from the Greenland NEEM ice core (2014). *Climate of the Past*, 10(5), 1905.
19. Boslough, M. Nicoll, K., Holliday, V., Daulton, T.L., Meltzer, D., Pinter, N., Scott, A.C., Surovell, T., Claeys, Ph., Gill, J., Paquay, F., Marlon, J., Bartlein, P., Whitlock, C., Grayson, D., Jull, T. (2012). Arguments and Evidence against a Younger Dryas Impact Event. In: Giosan, L., Clift, P., Fuller, D., Flad, R., and Nicoll, K. (eds.) 2013. *Climates, Past Landscapes, and Civilizations*, (Vol. 198), John Wiley & Sons.
18. Daniau, A-L. ,Sánchez Goñi, M.F., Martinez, P., Urrego, D.H., Bout-Roumazeilles, V., Desprat, S., Marlon, J.R. (2013). Orbital-scale climate forcing of grassland burning in southern Africa. *Proceedings of the National Academy of Sciences*, 110(13) doi: 10.1073/pnas.1214292110.
17. Marlon, J.R., Bartlein, P.J., Daniau, A-L., Harrison, S.P., Power, M.J., Tinner, W., Tracy, S. Global biomass burning: A synthesis and review of Holocene paleofire records and their controls (2013). *Quaternary Science Reviews*, 65, 5-25. <https://doi.org/10.1016/j.quascirev.2012.11.029>
16. Quintana Krupinski, N.B., Marlon, J.R., Nishri, A., Street, J.H., Paytan, A., Climatic and human controls on the late Holocene fire history of northern Israel (2013). *Quaternary Research* 80(3) 396–405.
15. Daniau, A.-L., Bartlein, P.J., Harrison, S.P., Prentice, I.C., Brewer, S., Friedlingstein, P., Harrison-Prentice, T.I. , Inoue, J., Marlon, J.R., Mooney, S., Power, M.J., Stevenson, J., Tinner, W., Andrić, M., Atanassova, J., Behling, H., Black, M., Blarquez, O., Brown, K.J., Carcaillet, C., Colhoun, E.A., Colombaroli, D., Davis, B.A.S., D’Costa, D., Dodson, J., Dupont, L., Eshetu, A., Gavin, D.G., Genies, A., Gebru, T., Haberle, S., Hallett, D.J., Horn, S., Hope, G., Katamura, F., Kennedy, L., Kershaw, P., Krivonogov, S., Long, C., Magri, D., Marinova, E., McKenzie, G.M., Moreno, P.I., Moss, P., Neumann, F.H., Norström, E., Paitre, C., Rius, D., Roberts, N., Robinson, G., Sasaki, N., Scott, L., Takahara, H., Terwilliger, V., Thevenon, F., Turner, R.B., Valsecchi, V.G., Vannièrè, B., Walsh, M., Williams, N., Zhang, Y. Predictability of biomass burning in response to climate changes (2012). *Global Biogeochemical Cycles*, 26(4).
14. Gill, J.L., Blois, J.L., Goring, S., Marlon, J.R., Bartlein, P.J., Nicoll, K., Scott, A.C., Whitlock, C., (2012) Paleoecological changes at Lake Cuitzeo were not consistent with an extraterrestrial impact. *Proceedings of the National Academy of Sciences*, 109 (34):E2243-E2243.
13. Goring, S., Williams, J.W., Blois, J.L., Jackson, S.T., Paciorek, C., Booth, R.K., Marlon, J.R., Blaauw, M., Christen, A. (2012). Deposition times in the northeastern United States during the Holocene: establishing valid priors for Bayesian age models. *Quaternary Science Reviews*, 48, 54-60.
12. Han, Y.M., Marlon, J.R., Cao, J.J., Jin, Z.D., An, Z.S. Synchronous variations in soot, char and climate in Asia. (2012). *Global Biogeochemical Cycles*, 26(4) DOI: 10.1029/2011GB004197.

11. Marlon, J.R., Bartlein, P.J., Long, C., Gavin, D.G., Anderson, R.S., Briles, C. Brown, K.J., Colombaroli, D., Hallett, D.J., Power, M.J., Scharf, E.A., Walsh, M.K. A long-term perspective on wildfires in the western U.S. (2012). *Proceedings of the National Academy of Sciences*, 109(9), E535-E543.
10. Power, M.J., Mayle, F., Bartlein, P.J., Marlon, J.R., Anderson, R.S., Behling, H., Brown, K.J., Carcaillet, C., Colombaroli, D., Gavin, D.G., Hallett, D.J., Horn, S.P., Kennedy, L.M., Lane, C., Long, C., Moreno, P.I., Paitre, C., Robinson, G., Taylor, Z., Walsh, M. Biomass burning decline in the Americas after 1500 AD: population collapse or climate change? (2012). *The Holocene*. DOI: 10.1177/0959683612450196.
9. Harrison, S.P., Marlon, J.R. and Bartlein, P.J. (2010). *Fire in the Earth system*. In Changing Climates, Earth Systems and Society. (J. Dodson, Ed.). International Year of Planet Earth. Springer, Dordrecht, The Netherlands.
8. Power, M. J., Marlon, J.R., Bartlein, P. J., Harrison, S. P. (2010). Fire History and the Global Charcoal Database: A new tool for hypothesis testing and data exploration. *Paleogeography, Paleoclimatology, Paleoecology*, 291(1), 52-59.
7. Marlon, J.R., Bartlein, P.J., Walsh, M.K., Harrison, S.P., Brown, K.J., Edwards, M.E., Higuera, P.E., Power, M.J., Anderson, R.S., Briles, C., Brunelle, A., Carcaillet, C., Daniels, M., Hu, F.S., Lavoie, M., Long, C., Minckley, T., Richard, P.J.H., Shafer, D.S., Tinner, W., Umbanhowar, C.E. Jr. Wildfire responses to abrupt climate change in North America (2009). *Proceedings of the National Academy of Sciences* 106(8) 2519-2524.
6. Marlon, J.R., Bartlein, P.J., Carcaillet, C., Gavin, D.G., Harrison, S.P., Higuera, P.E., Joos, F., Power, M.J., Prentice, I.C. (2008) Climate and human influences on global biomass burning over the past two millennia. *Nature Geoscience*. DOI:10.1038/ngeo313.
5. Power, M.J., Marlon, J., Ortiz, N., Bartlein, P.J., Harrison, S.P., Mayle, F.E., Ballouche, A., Bradshaw, R., Carcaillet, C., Cordova, C., Mooney, S., Moreno, P., Prentice, I.C., Thonicke, K., Tinner, W., Whitlock, C., Zhang, Y., Zhao, Y., Anderson, R.S., Beer, R., Behling, H., Briles, C., Brown, K.J., Brunelle A, Bush, M., Camill, P, Chu, G.Q., Clark, J., Colombaroli, D., Connor, S., Daniels, M., Daniau, A.-L., Dodson, J., Doughty, E., Edwards, M.E., Fisinger, W., Foster, D., Frechette J., Gaillard, M.-J., Gil-Romera, G. Gavin, D.G., Gobet, E., Haberle, S., Hallett, D.J., Higuera, P., Hope, G., Horn, S., Impagliazzo, S., Inoue, J., Kaltenrieder, P., Kennedy, L., Kong, Z.C., Larsen, C., Long, C.J., Lynch, J., Lynch, B., McGlone, M., Meeks, S., Mensing, S., Meyer, G., Minckley, T., Mohr, J., Nelson, D., New, J., Newnham, R., Noti, R., Oswald, W., Pierce, J., Richard, P.J.H., Rowe, C., Sanchez Goñi, M.F., Shuman, B.J., Takahara, H., Toney, J., Turney, C., Umbanhowar, C., Vandergoes, M., Vanniere, B., Vescovi, E., Walsh, M., Wang, X., Williams, N., Wilmshurst, J., Zhang, J.H. (2008). Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. *Climate Dynamics*, 30, 887-907. DOI: 10.1007/s00382-007-0334-x.
4. Whitlock, C., Marlon, J., Briles, C., Brunelle, A., Long, C., Bartlein, P.J. (2008). Long-term relations between fire, fuel, and climate in the northwestern U.S. *International Journal of Wildland Fire*, 17(1) 72–83.
3. Whitlock, C., Bianchi, M.M., Bartlein, P.J., Marlon, J., Walsh, M., and McCoy, N. (2006). Postglacial vegetation, climate, and fire history along the east side of the Andes (lat 41-42 S), Argentina. *Quaternary Research*, 66(2), 187-201.
2. Marlon, J., Bartlein, P.J., and Whitlock, C. (2006). Fire-fuel-climate linkages in the northwestern United States during the Holocene. *The Holocene*, 16(8), 1059-1071.

1. Whitlock, C., Shafer, S.L., and Marlon, J. (2003). The role of climate and vegetation change in shaping past and future fire regimes in the northwestern U.S. and the implications for ecosystem management. *Forest Ecology and Management*, 178, 5-21.

OTHER JOURNAL PUBLICATIONS

- Brücher, T., Brovkin, V., Kloster, S., Marlon, J. R., & Power, M. J. (2015). How to compare modeled fire dynamics with charcoal records? *Past Global Changes Magazine*, 23, 16-17.
- Marlon, J.R., Farmer, E. C., Moran, S. (2015). Communicating hurricane risks: Challenges and recommendations, *Eos*, 96, [doi:10.1029/2015EO039443](https://doi.org/10.1029/2015EO039443).
- Kehrwald, N.M., Whitlock, C., Barbante, C., Brovkin, V., Daniau, A.-L., Kaplan, J.O., Marlon, J.R., Power, M.J., Thonicke, K., Van der Werf, G.R. (2013). Fire research: Linking past, present, and future data. *Eos* 94(46), 421-422.
- LeDec, O.E., Barnes, R.T., Emanuel, R., Fisher, P.B., Henkel, S.K., Marlon, J.R. Training a New Scientist to Meet the Challenges of a Changing Environment. (2011). *Eos* 92(16) 135-136.
- Marlon, J.R., Bartlein, P.J. (2010). Toward multiple working hypotheses. Invited comment in Holliday, V.T. & D.J. Meltzer, The 12.9-ka ET Impact Hypothesis and North American Paleoindians. *Current Anthropology*, 51:593-594.
- Marlon, J.R., Patenaude, G., Barnes, B. (2010). Catalyzing interdisciplinary research on climate change. *Eos* 91(34) 299.

OP-EDS, REPORTS, AND OTHER PUBLICATIONS

2023

- Leiserowitz, A., Carman, J., Rosenthal, S., Neyens, L., Marlon, J., Goldberg, M., Finegan, S., Cotter, E., O'Mahony, J., Reaper, L. (2023). *Climate Change's Four Irelands: An Audience Segmentation Analysis*. Yale University. New Haven, CT: Yale Program on Climate Change Communication
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Goddard, E., Carman, J., Verner, M., Ballew, M., Marlon, J., Lee, S., Myers, T., Goldberg, M., Badullovich, N., & Thier, K. (2023). *Climate Change in the American Mind: Politics & Policy*, Fall 2023. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Verner, M., Goddard, E., Wood, E., Carman, J., Ordaz Reynoso, N., Thulin, E., Rosenthal, S., Marlon, J. & Buttermore, N. (2023). *International Public Opinion on Climate Change, 2023*. New Haven, CT: Yale Program on Climate Change Communication.
- Carman, J., Ballew, M., Verner, M., Lu, D., Low, J., Rosenthal, S., Maibach, E., Kotcher, J., Marlon, J., and Leiserowitz, A. (2023). *Who supports climate justice in the U.S.?* Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

- Marlon, J., Ballew, M., Verner, M., Carman, J., Rosenthal, S., Kotcher, J., Maibach, E., & Leiserowitz, A. (2023). *What do Americans think is the biggest threat from global warming?* Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Rosenthal, S., Verner, M., Lee, S., Ballew, M., Carman, J., Goldberg, M., Marlon, J., Paramita, E., Chamim, M., Mohamad, P., & Daggett, M. (2023). *Climate Change in the Indonesian Mind.* Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Verner, M., Marlon, J., Carman, J., Rosenthal, S., Ballew, M., Leiserowitz, A., Buttermore, N., & Mulcahy, K. (2023). *Global Warming's Six Audiences: A cross-national comparison in nearly 200 countries and territories worldwide.* Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Ballew, M., Marlon, J., Harrington, S., Rosenthal, S., Maibach, E., Kotcher, J., & Leiserowitz, A. (2023). Does climate change make you sneeze? Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Ballew, M., Marlon, J., Rosenthal, S., Carman, J., Kotcher, J., Maibach, E., & Leiserowitz, A. (2023). *Americans are becoming more worried about extreme heat* Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Goddard, E., Ballew, M., Marlon, J., Verner, M., Lee, S., Carman, J., Myers, T., Goldberg, M., & Badullovich, N. (2023). Climate Change in the American Mind: Politics & Policy, Spring 2023. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Lee, S., Verner, M., Ballew, M., Carman, J., Myers, T., Goldberg, M., Badullovich, N., & Marlon, J. (2023). Climate Change in the American Mind: Beliefs & Attitudes, Spring 2023. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Thaker, J., Goldberg, M., Ballew, M., Rosenthal, S., Carman, J., Neyens, L., Lee, S., Deshmukh, Y., Shukla G., & Marlon, J. (2023). Global Warming's Four Indias, 2022: An Audience Segmentation Analysis. Yale University. New Haven, CT: Yale Program on Climate Change Communication.

2022

- Marlon, J., Rosenthal, S., Goldberg, M., Ballew, M., Maibach, E., Kotcher, J., Leiserowitz, A. (2022). Younger Americans are growing more worried about global warming. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Goldberg, M., Carman, J., Rosenthal, S., Neyens, L., Marlon, J., Finegan, S., Cotter, E., Desmond, M., Smith, S., Rochford, M. F., Quinlan, C., O'Mahony, D., O'Mahony, J., and Reaper, L. (2022). Climate Change's Four Irelands: An Audience Segmentation Analysis. New Haven, CT: Yale Program on Climate Change Communication.
- Carman, J., Danning, L., Low, J., Leiserowitz, A., Barendregt-Ludwig, K., Marlon, J., Rosenthal, S., Goldberg, M., Maibach, E., Kotcher, J., Torres, G. (2022). Exploring support for climate justice policies in the United States. Climate Note. Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL:

<https://climatecommunication.yale.edu/publications/exploring-support-for-climate-justice-policies-in-the-united-states/>

Leiserowitz, A., Carman, J., Buttermore, N., Neyens, L., Rosenthal, S., Marlon, J., Schneider, J.W., Mulcahy, K. (2022) International Public Opinion on Climate Change. Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL:

<https://climatecommunication.yale.edu/publications/international-public-opinion-on-climate-change-2022/>

Marlon, J., and Manning, J. (2022). The volcanic eruption in Alaska that rocked ancient Egypt. Yale Climate Connections. July 18, 2022. URL: <https://yaleclimateconnections.org/2022/07/the-volcanic-eruption-in-alaska-that-rocked-ancient-egypt/>

Marlon, J., Neyens, L. Jefferson, M., Howe, P., Mildenerger, M., Leiserowitz, A. (2022) 2021 Climate Opinion Factsheets. Climate Note. Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL:

<https://climatecommunication.yale.edu/publications/perceived-harm-ycom-2021/>

Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Myers, T., Goldberg, M., Campbell, E., Lacroix, K., & Marlon, J. (2022). Politics & Global Warming, April 2022. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

Leiserowitz, A., Carman, J., Buttermore, N., Neyens, L., Rosenthal, S., Marlon, J., Schneider, J., & Mulcahy, K. (2022). International Public Opinion on Climate Change, 2022. New Haven, CT: Yale Program on Climate Change Communication and Data for Good at Meta.

Lacroix, K., Goldberg, M., Marlon, J., Rosenthal, S., Ballew, M., Wang, X., Jefferson, M., Semaan, J., Leiserowitz, A. (2022). Understanding differences in Americans' motivations for eating plant-rich foods. Climate Note. Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL: <https://climatecommunication.yale.edu/publications/understanding-differences-in-americans-motivations-for-eating-plant-rich-foods/>

Marlon, J., Neyens, L., Jefferson, M., Rosenthal, S., Howe, P., Mildenerger, M., Leiserowitz, A. (2022). Perceived harm from global warming is becoming more widespread. Climate Note. Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL: <https://climatecommunication.yale.edu/publications/perceived-harm-ycom-2021/>

Leiserowitz, A. Maibach, E., Rosenthal, S., Kotcher, J., Neyens, L., Marlon, J., Carman, J., Lacroix, K., & Goldberg, M. (2022). Global Warming's Six Americas, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

2021

Marlon, J.R. (April 14, 2021). Climate policy is important, but the bigger challenge is cultural change. The Hill. <https://thehill.com/opinion/energy-environment/548242-climate-policy-is-important-but-the-bigger-challenge-is-cultural/>

Peach, S. and Marlon, J. (2021). How to talk about climate change: Ask questions. Yale Climate Connections. URL: <https://yaleclimateconnections.org/2021/11/how-to-talk-about-climate-change-ask-questions/>

- Marlon, J. (2021). How to effectively show climate change in 25 images. Shutterstock. URL: <https://www.shutterstock.com/blog/climate-change-in-25-images>
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Marlon, J., Lacroix, K., & Goldberg, M. (2021). Climate Change in the American Mind, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Neyens, L., Carman, J., Marlon, J., Lacroix, K., & Goldberg, M. (2021). Consumer Activism on Global Warming, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Carman, J., Rosenthal, S., Neyens, L., Marlon, J., Desmond, M., Smith, S., Rochford, M. F., O'Mahony, J., & Reaper, L. (2021). Climate Change in the Irish Mind. New Haven, CT: Yale Program on Climate Change Communication.
- Marlon, J., Extreme weather may not lead to increased support for climate action. June 16, 2021. Yale Climate Connections. URL: <https://yaleclimateconnections.org/2021/06/study-extreme-weather-may-not-lead-to-increased-support-for-climate-action/>
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Marlon, J., Lacroix, K., & Goldberg, M. (2021). Climate Change in the American Mind, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Public Support for International Climate Action, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Politics & Global Warming, September 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Carman, J., Lacroix, K., Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Neyens, L., Wang, X., Marlon, J., & Goldberg, M. (2021). Americans' Actions to Limit and Prepare For Global Warming, March 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Carman, J., Buttermore, N., Wang, X., Rosenthal, S., Marlon, J., & Mulcahy, K. (2021). International Public Opinion on Climate Change. New Haven, CT: Yale Program on Climate Change Communication and Facebook Data for Good.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Wang, X., Marlon, J., Lacroix, K., & Goldberg, M. (2021). Climate Change in the American Mind, March 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Wang, X., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Politics & Global Warming, March 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Wang, X., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Public Support for International Climate Action, March 2021. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Wang, X., Carman, J., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Climate activism: A Six-Americas analysis, December 2020. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Wang, X., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Climate Change in the American Mind: December 2020. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Wang, X., Goldberg, M., Lacroix, K., & Marlon, J. (2021). Politics & Global Warming, December 2020. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

2020

- Ballew, M., Bergquist, P., Goldberg, M., Gustafson, A., Kotcher, J., Marlon, J., Roess, A., Rosenthal, S., Maibach, E., & Leiserowitz, A. (2020). Americans' Risk Perceptions and Emotional Responses to COVID-19, April 2020. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Carman, J., Rosenthal, S., Maibach, E., Kotcher, J., Wang, X., Marlon, J., & Leiserowitz, A. (2020). Shifting views of an ideal society in the U.S. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Leiserowitz, A., Marlon, J., Wang, X., Bergquist, P., Goldberg, M., Kotcher, J., Maibach, E., Rosenthal, S. (2020). Global Warming's Six Americas in 2020. New Haven, CT: Yale Program on Climate Change Communication.
- Maibach, E., Leiserowitz, A., Marlon, J.R. (2017). Should the US stay in the Paris Agreement? A majority of Democrats and Republicans think so, *The Conversation*, May 14, 2017, <https://theconversation.com/should-the-us-stay-in-the-paris-agreement-a-majority-of-democrats-and-republicans-think-so-77455>.
- Leiserowitz, A., Marlon, J., Wang, X., Bergquist, P., Goldberg, M., Kotcher, J., Maibach, E., Rosenthal, S. (2020). Global Warming's Six Americas in 2020. New Haven, CT: Yale Program on Climate Change Communication.
- Kim, L., Ballew, M., Lacroix, K., Leiserowitz, A., and Marlon, J. (2020). How does the American public perceive climate disasters? New Haven, CT: Yale Program on Climate Change Communication.
- Talaty, U., Ballew, M., Leiserowitz, A., and Marlon, J. (2020). Are hurricane-prone states more concerned about climate change? New Haven, CT: Yale Program on Climate Change Communication.

- Leiserowitz, A.; Ballew, M.; Lacroix, K.; Marlon, J.; Talaty, U. (2020). Exploring Gender Differences in the American Diet. New Haven, CT: Yale Program on Climate Change Communication.
- Marlon, J. (2020). 7 Ways You're Already Paying for Climate Change. Barron's Commentary. Sept. 13. <https://www.barrons.com/articles/7-ways-youre-already-paying-for-climate-change-51599995430>.
- Ballew, M., Bergquist, P., Goldberg, M., Gustafson, A., Kotcher, J., Marlon, J., Roess, A., Rosenthal, S., Maibach, E., & Leiserowitz, A. (2020). American Public Responses to COVID-19, April 2020. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.
- Ballew, M., Maibach, E., Kotcher, J., Bergquist, P., Rosenthal, S., Marlon, J.R., Leiserowitz, A. (2020). Which racial/ethnic groups care most about climate change? Yale University. New Haven, CT: Yale Program on Climate Change Communication.

2019 and prior

- Deeg, K., Leiserowitz, A., Maibach, E., Kotcher, J., Marlon, J.R. (2019). Who is changing their mind about global warming and why? Yale University. New Haven, CT: Yale Program on Climate Change Communication. URL: <https://climatecommunication.yale.edu/publications/who-is-changing-their-mind-about-global-warming-and-why/>
- Ballew, M., Marlon, J.R., Leiserowitz, A., Maibach, E. (2018). Gender Differences in Public Understanding of Climate Change. Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Ballew, M., Marlon, J.R., Wang, X., Leiserowitz, A., Maibach, E. (2018). Importance of Global Warming as a Voting Issue in the U.S. Depends on Where People Live and What People Have Experienced. Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Gustafson, A., Goldberg, M., Marlon, J.R. (2018). As Hurricanes Grow More Severe, Many Coastal Residents Remain Unwilling to Evacuate. Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Cheskis, A., Marlon, J.R., Wang, X., Leiserowitz, A. (2018). Americans Support Teaching Children about Global Warming. Yale University. New Haven, CT: Yale Program on Climate Change Communication.
- Marlon, J.R. (2016). Bridging Data and Models. PAGES Workshop Report.
- Marlon, J.R., Rosenthal, S., Feinberg, G., Pal, S. and Leiserowitz, A. (2015). Hurricane Attitudes of Coastal Connecticut Residents: A Segmentation Analysis. June 29, 2015. Yale University. New Haven, CT: Yale Project on Climate Change Communication.
- Marlon, J., Rosenthal, S., Feinberg, G., Pal, S. and Leiserowitz, A. (2014). Hurricane Perceptions of Coastal Connecticut Residents: October, 2014. Yale University. New Haven, CT: Yale Project on Climate Change Communication.
- Leiserowitz, A., Maibach, E., Roser-Renouf, C., Feinberg, G., Rosenthal, S., & Marlon, J. (2014) Climate change in the American mind: Americans' global warming beliefs and attitudes in

November, 2013. Yale University and George Mason University. New Haven, CT: Yale Project on Climate Change Communication.

Marlon, J.R., Leiserowitz, A., and Feinberg, G. (2013). Scientific and Public Perspectives on Climate Change. Yale University. New Haven, CT: Yale Project on Climate Change Communication. <http://environment.yale.edu/climate/notes/consensus.html>.

Marlon, J.R., Cui, Q., Gaillard, M.-J., McWethy, D., Walsh, M.K. (2010). Humans and fire: Consequences of anthropogenic burning during the past 2 ka. PAGES news 18(2) 80-82.

Leiserowitz, A., Smith, N., Marlon, J.R. (2011). American Teens' Knowledge of Climate Change. Yale University. New Haven, CT: Yale Project on Climate Change Communication. <http://environment.yale.edu/climate/news/american-teens-knowledge-of-climate-change/>.

Leiserowitz, A., Smith, N., Marlon, J.R. (2010). Americans' Knowledge of Climate Change. Yale University. New Haven, CT: Yale Project on Climate Change Communication. <http://environment.yale.edu/climate/files/ClimateChangeKnowledge2010.pdf>

Weiler, C.S., Mitchell, R. and Marlon, J. (2009). DISCCRS IV Symposium Report. Online: http://www.disccrs.org/reports/DISCCRS_IV_Symposium_Report.pdf

Power, M.J., Marlon, J., Bartlein, P.J., and Harrison, S.P. (2008). Fire in the Earth system: The Global Palaeofire Working Group. Totnes, UK, 22-26 October 2007. Workshop Report. PAGES News 16(1), 39-40.

Marlon, J. (2003). A meta-analysis of charcoal-based fire history records from the northwestern United States. Thesis, University of Oregon, Eugene, Oregon.

Whitlock, C., Mohr, J., Minckley, T., and Marlon, J. (2001). Holocene vegetation and fire history from Cedar Lake, northern California. A Final Report for Cooperative Agreement USFS PSW-99-0010CA, Pacific Southwest Research Station, USDA Forest Service, CA.

INVITED PRESENTATIONS

- 2023 Prescott University, Global Warming's Six Americas, Keynote speaker at 2023 Sustainability Education Symposium, May 11.
Briefing on Climate Change Communication for staff of Senator Tammy Baldwin, Wisconsin. April 20.
Ceres, Communicating Climate Change in the Private Sector, Annual Retreat. Jan. 25.
- 2022 YSE PhD Seminar (Prof. Raymond); Science Communication and the "Message Box". Nov. 9.
National Flood Insurance Program (FEMA), Integrating climate change into agency messaging on disaster preparedness. Jul. 27.
Public Voices of the Climate Crisis (Op-Ed), Misperception-based learning about climate change, Jun. 29.
Yale Class of 1960 Reunion, Climate change: facts versus fiction, Jun. 2.
Yale University-New Asia (YUNA), Climate change & society, Apr. 8.
Yale Institute for Biospheric Studies (YIBS) Advisory Board meeting, The evolution of Americans' climate opinions over time, Mar. 18.

- EverestRe (Reinsurance), What climate science can say about extreme weather, Feb. 2.
- 2021 Google, Public views of climate in the Anthropocene, Dec. 16.
- Egyptology Series, Climate & society in the Hellenistic era, Dec. 16.
- Institute for Public Research, Public perceptions of climate change, Dec. 2.
- Laudato Si, Nov. 29. From Climate anxiety to action.
- Boise State University, Western views of climate change, Nov. 8.
- Citizens Climate Lobby, Motivating climate action, Nov. 7.
- Yale University, Architecture, Cartographies of disaster, Oct 20.
- Southern Oregon Climate Action Network, Difficult climate conversations, June 29.
- United States Fish & Wildlife Service, Global warming's Six Americas, June 2.
- University of Wyoming, Climate conversations: challenges and opportunities, June 2.
- Metropolitan Mayors Caucus, What Mayors need to know about climate, April 20.
- Sierra Club, Americans' changing opinions of climate change, April 17
- International Institute of Finance, [Commonsense conversations on climate change](#), April 7
- University of Montana, Climate conversations: challenges and opportunities March 25.
- Mark Ashton's class, Wildfire history from paleoecological records March 22.
- Madison Women's Club, The evolution of Americans' climate views March 9.
- Climate Access, Climate Change in the American Mind March 16.
- 2020 Global Climate Action Symposium, Ecosystems & Climate, Georgia Tech, Oct. 6.
- 2019 Yale's Gateway to Global Affairs, Public Perception of Climate Change, Nov. 21
- How to Talk About Climate Change to Your Friends and Family, American Museum of Natural History, NY, USA, Sept. 26 (URL: <https://www.amnh.org/calendar/how-to-talk-about-climate-change>).
- Global Perceptions of Climate Change, Heidelberg Laureate Forum. Heidelberg, Germany, Sept. 24 (URL: <https://www.heidelberg-laureate-forum.org/forum/7th-hlf-2019/hot-topic-2019.html>).
- 2018 Climate Change Communication: Challenges & Opportunities, Guest speaker, American Association of University Women, Essex, CT, USA, Nov. 14.
- Talking Climate: Challenges & Opportunities, Keynote for Connecticut Science Teachers Association annual conference, Southbury, CT, USA, Nov. 10.
- Climate Change & Extreme Weather, Climate Initiative Coffee Chat, F&ES, New Haven, CT, USA, Nov. 8.
- Using the Yale Climate Opinion Maps to Educate Your Decision-Maker, Guest speaker for Citizens Climate Lobby, New Haven, CT, USA, Oct. 18.

- Hurricane Attitudes & Risk Perceptions of Coastal Residents, New York Center for Emergency Management, Brooklyn, NY, USA, Oct. 14.
- Crisis Communication, Guest lecture, Univ. of Rhode Island, USA, Oct. 4.
- Communicating Climate Change, Yale Energy Sciences Institute Symposium, Yale Univ., New Haven, CT, USA, May 23.
- Public Perceptions of Climate Change, Climate Literacy & Energy Awareness Network (CLEAN), NOAA, USA, May 15.
- Public Understanding of Climate Change, Climate Science & Democracy, Univ. of Chicago, IL, USA, April 26.
- Wildfires in a Changing Climate, Guest lecture, Dept. of Ecology & Evolutionary Biology, Yale Univ., New Haven, CT, USA, April 7.
- Reconstructions of Fire Activity in North America and Europe over the Past 250 Years: a comparison of the Global Charcoal Database with Historical Records, American Association of Geographers, New Orleans, LA, USA, April.
- 2017 The Yale Climate Opinion Maps, Keynote for GIS Day, Yale Univ., New Haven, CT, USA, Nov. 15.
- Predicting fire outside the range of modern environmental conditions, Fire Prediction Across Scales, Columbia Univ., New York, NY, USA, Oct. 23-25.
- Perceived health risks of extreme heat across US states, counties, and neighborhoods, Center for Climate Change Communication, George Mason Univ., Fairfax, VA, USA, Sept. 27 (webinar).
- Public Opinions on Climate Change in the US, Dept. of Geosciences, Univ. of Massachusetts, Amherst, MA, USA, Sept. 15.
- Climate Change in the American Mind, King School, Stamford, CT, USA, April 18.
- Wildfire in a changing climate, Earth, Environmental, and Planetary Sciences, Brown Univ., Providence, RI, USA, March 2.
- 2016 Global Syntheses of Charcoal Data, Early Human Impacts workshop, Venice, Italy, Nov. 24-25.
- Climate Change in the American Mind: Communication Challenges and Opportunities. University of Colorado (class lecture), Oct. 11.
- Global Syntheses of Charcoal Data, PAGES workshop, Bordeaux, France, Sep. 25-30.
- Should I stay or should I go? Communicating Risk when the Storm comes Documentary discussion panel member. Long Beach, NY, July 14.
- Effectively Communicating Climate Change to the American Public. NOAA, Silver Spring, MD, June 2.
- Climate Change Communication: Challenges and Opportunities. Univ. of New Haven, New Haven, CT, April 20.
- Safer to Stay, or Safer to Go? National Hurricane Conference, Orlando, FL, March 24.
- Climate Change in the American Mind: Communication Challenges and Opportunities. NASA Goddard, Greenbelt, MD. Feb. 17.

- 2015 Multi-decadal to millennial-scale reconstructions of biomass burning and its responses to changes in climate, vegetation, and anthropogenic forcings. AGU, San Francisco, Dec. 14-18.
- Should I stay or should I go? Hurricane perceptions of CT coastal residents. Sea Grant Assembly – Communications, Mystic, CT, Dec. 2.
- Should I stay or should I go? Hurricane perceptions of CT coastal residents. League of Women Voters, Branford, CT, Nov. 11.
- Mapping Climate Conversations Yale School of Forestry and Environmental Studies, GeoSig guest speaker. New Haven, Nov. 5.
- The Global Charcoal Database. FireMIP Workshop, Garmisch Partenkirshen, Germany, October 28-30.
- Climate Change in the American Mind. Assumption College, Worcester, MA, October 19.
- Climate Change in the American Mind. NAC SETAC Annual Meeting, Freeport, ME, June 11-12, 2015.
- Should I Stay or Should I Go? NOAA Sea Grant Connecticut Congressional Roundtable, Avery Point, CT, July 21.
- Hurricane Perceptions of Coastal Connecticut Residents. Coastal Storm Awareness Program, NOAA Sea Grant Workshop, Newark, NJ, May 26-27.
- Fire, Humans, & Climate, Stonybrook University, NY, May 1.
- 2014 Wildfire in a Changing Climate, School of Biology and Ecology / Climate Change Institute, University of Maine, ME.
- Climate Change in the American Mind, School of Biology and Ecology / Climate Change Institute, University of Maine, ME.
- Paleofire from Charcoal: State of the Science. PaleON Workshop, Boulder, CO, June 2-4.
- Paleoclimate of the Northeastern US. PaleON Workshop, Boston, MA, March 7-9.
- Response of Biomass Burning to Climate Changes and Human Activities During the Past 12,000 Years in Eastern North America. Fire Ecology of the Northeast workshop, New Haven, CT, February 20-22.
- 2013 Climate Change in the American Mind, Peabody Museum Summer Teacher Workshop, New Haven, CT.
- Synthesizing Fire History from Charcoal in Lakes, Bogs, and other Sediments, Webinar for Wildfire PIRE, Montana State University, MT.
- 2012 The Global Charcoal Database: Making Fire From Mud, Paleofire Workshop, Venice, Italy.
- The Limits of Experience in Predicting Climate Change Risk Perceptions, Yale Project on Climate Change Communication (YPCCC) Project Meeting, Washington, DC.
- Fire History of the Western United States, NSF PROBE Research Coordination Network, Manhattan, KS.
- Regional to Global-scale Trends in Fire: A Long-term Perspective, Department of Geography, University of Toronto, Canada.

- 2011 The Geography of Fire: A Global Paleo Perspective, Department of Earth & Environmental Sciences, Lehigh University, PA.
 Biomass Burning During the Last Millennium, PalaeoCarbon Modeling Intercomparison (PCMIP) Workshop, Sydney, Australia.
 Sustainable Fire Regimes: Lessons from Paleofire Records, Pyrogeography Working Group 4: Towards Sustainable Fire Regimes, NCEAS, Santa Barbara, CA.
 Reconstructing Fire From Sedimentary Charcoal Records, Institute for the Earth Environment, Xi'an, China.
 Fire as a Benchmark Dataset, International Union for Quaternary Research, Bern, Switzerland.
- 2010 The Geography of Fire: A Paleo Perspective, Lamont-Doherty Earth Observatory, NY.
- 2009 Global Fire History Since the Last Glacial Maximum, Yale Institute for Biospheric Studies, New Haven, CT.
 The Geography of Fire, Brown University, Geological Sciences Department, Providence, RI.
 Climate and Human Impacts on Biomass Burning During Past Millennia, Past Global Changes (PAGES) Open Science Meeting, Corvallis, OR.
- 2008 Global Fire History During the Past 21,000 Years, Paleoclimate Modelling Intercomparison Project Phase II Workshop, Estes Park, CO.
- 2007 The Long-term Fire History of North America, Brown University, Providence, RI.
- 2005 The Fire History of the Pacific Northwest, Fire History & Climate Synthesis in the Western United States, Flagstaff, AZ.

TEACHING

- Spring 2019-2023 YSE 603, Env. Data Visualization & Communication (co-taught), Yale University, CT
- Spring 2021-2023 Professional Skills Module – Data Visualizations, Yale University, CT
- Fall 2020-2023 MCDB 105, Biology, the World, and Us (co-taught), Yale University, CT
- Fall 2019 F&ES 611, Introduction to Environmental Data Science (co-taught), Yale University, CT
- Summer 2009 Quaternary Ecosys. Science Training, Franche-Comté, France
- Summer 2006 Introduction to Physical Geography (co-taught), University of Oregon
- Summers 01-02 Instructor: Introduction to Geographic Information Systems, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow for five classes including Geographic Data Analysis, Climatology, Geomorphology, Geographic Information Systems and Biogeography, University of Oregon

RESEARCH SKILLS

Software/Coding: R, Python, Bash, SQL, SPSS, GCP, ArcGIS, Tableau
Labwork: charcoal / pollen microscopy
Fieldwork: Lake sediment coring, Open Water Diver certified (PADI)

SELECTED OUTREACH

- 2024 NBC interview with Dinah Voyles Pulver. What is the biggest fire to burn in the US? The answer requires a journey through history. April 29.
<https://www.usatoday.com/story/news/nation/2024/04/29/list-of-biggest-fires-in-us-these-20-fires-were-massive/73100978007/>
BBC World Television on Earth Day interview, April 22.
- 2023 BBC Reel interview with Sanjana Bhambhani. Are we bracing for a new hurricane Sandy?
<https://www.bbc.co.uk/reel/video/p0g8hx9j/are-we-bracing-for-a-new-hurricane-sandy-> Aug. 25.
CNN interview with Ray Sanchez. These factors are making it hard to combat the deadly Maui wildfires. <https://www.cnn.com/2023/08/10/us/factors-fueling-maui-fires-climate/index.html>. Aug. 10.
Effects of experience with heat on climate change views, Texas Tribune, June 12.
Why wildfires smoke turns the sky orange, according to scientists, by Maham Javaid, Washington Post, June 9.
<https://www.washingtonpost.com/weather/2023/06/08/orange-sky-explained-wildfire-smoke/>
- 2022 Texas flooding and heat waves. Interview with KAGS, Bryan, Texas, Sept. 16
Moderator, The Fight for Climate After COVID-19 with Alice Hill, Sept. 16.
CNN interview with Rachel Ramirez, Northeastern drought, Aug. 21.
Vox News interview with Muiz Akhtar, Extreme weather preparedness, July 8.
<https://www.vox.com/even-better/23196757/summer-disaster-weather-preparation-community-hurricane-wildfire-drought-heatwave-flood>
Panel moderator, Communicating the Financial Risk of Climate Change, Apr. 1.
- 2021 Cheddar News, Hena Doba, Dec. 21.
<https://cheddar.com/media/climate-change-and-its-impact-on-weather-conditions>
Background Briefing, Ian Masters, Climate & weather, Dec. 13.
Christiane Amanpour, CNN, Tornadoes & climate, Dec. 13.
Boston Globe, Tornadoes & climate, Dec. 13.
YCEC/EDSY Moderator for Chris Mooney, Dec. 10.
E360, Jacques Leslie, Climate Science & History, Dec. 9.
BIOMES Discussant, Yale School of the Environment, Sept. 22.
- 2020 New York Times (risk maps), New York, NY. Sept. 16.

- KQED (climate denialism), San Francisco, CA. Sept. 18.
- Al-Arabiya News Channel (wildfires), Washington, D.C. Bureau. Sept. 17.
- CBS Verify (wildfires), Washington, D.C. Bureau, Sept. 16.
- Joy Benedict on the California heatwave, CBS 2, Los Angeles. Sept. 4.
- Warm Regards Podcast (public opinion), Jacqueline Gill. Sept. 3.
- Australian Museum for new Environmental Solutions Center, Tim Flannery et al.. Aug. 25.
- Factcheck.org. Setting the Record Straight on Climate Change and Arson in Australia's Bushfires. Jan. 17. <https://www.factcheck.org/2020/01/setting-the-record-straight-on-climate-change-and-arson-in-australias-bushfires/>.
- The Human Element. Movie screening panelist. Jan. 22. CT Women's Consortium.
- Panel Moderator, GIS Day Conference, Keynote with Deidre Dalpiaz Bishop, Chief, Geography Division, United States Census Bureau
- 2019 Panel Moderator, The New Reality of Wildfire in North America, sponsored by Island Press. October 11. Webinar, <https://islandpress.org/videos/webinar-new-reality-wildfire>.
- 2018 Mothers of Invention. Podcast. Jan. 21. Hosted by Mary Robinson, former President of Ireland and author of Climate Justice.
- WSHU Public Radio. Dec. 7. Curbing Climate Change. <http://www.wshu.org/post/curbing-climate-change>. Hosted by Ron Ropiak.
- Medium. Sept 14. The Life-or-Death Science of Evacuation Psychology by Tim McDonnell. <https://medium.com/s/story/why-people-refuse-to-evacuate-hurricane-florence-carolinas-flood-87e921882aea>.
- 2017 The New York Times. December 14. How Republicans Think About Climate Change — in Maps by Nadja Popovich and Livia Albeck-Ripka. <https://www.nytimes.com/interactive/2017/12/14/climate/republicans-global-warming-maps.html>.
- HuffPost. August 28. Hurricane Harvey Is Testing Our Ability To Communicate Natural Disaster Risks by Chris D'Angelo. https://www.huffingtonpost.com/entry/hurricane-harvey-communication-weather-disasters_us_59a41f8ae4b0821444c4a4ba.
- The New York Times. August 6. Let Forest Fires Burn? What the Black-Backed Woodpecker Knows by Justin Gillis. <https://www.nytimes.com/2017/08/06/science/let-forest-fires-burn-what-the-black-backed-woodpecker-knows.html>.
- Hartford Courant. June 4. Connecticut Faces Changes From Global Warming Regardless of Trump Climate Change Decision by Gregory Hladky. <http://www.courant.com/news/connecticut/hc-global-warming-hitting-long-island-sound-20170602-story.html>.

- Bloomberg. June 2. Trump's Climate View Is Closely Held Secret at Leaky White House by Jennifer A. Dlouhy and Christopher Flavelle.
<https://www.bloomberg.com/news/articles/2017-06-02/trump-s-views-on-climate-change-seem-a-closely-guarded-secret>
- WNYC Radio. March 22. The Takeaway, interview.
- 2016 The New York Times. March 21. How Americans Think About Climate Change — in Six Maps by By Nadja Popovich and Livia Albeck-Ripka.
<https://www.nytimes.com/interactive/2017/03/21/climate/how-americans-think-about-climate-change-in-six-maps.html>
- 2015 NOAA Coastal Storm Awareness Program & Connecticut Sea Grant. July 25. Interview.
- 2013 Fox News. July 10. Hurricane season and your kids: Why you and your family need an evacuation plan by Janice Dean.
<http://www.foxnews.com/opinion/2015/07/10/hurricane-season-is-here-why-and-your-family-need-evacuation-plan.html>
- The New York Times. August 29. The Yosemite Inferno in the Context of Forest Policy, Ecology and Climate Change by Andrew Revkin.
<https://dotearth.blogs.nytimes.com/2013/08/29/the-yosemite-rim-fire-in-the-context-of-forest-policy-ecology-and-climate-change/>
- 2012 Climate Nexus. June 4. Current Wildfires: Climate Context, Webinar.
- Climate Nexus. September 18. Climate & Wildfires, Teleconference for the Media.

PROFESSIONAL SERVICE

- 2023 Communications Committee, National Cohesive Wildland Fire Strategy & Wildland Fire Leadership Council
- 2022 Yale Planetary Solutions Generator Mentor
- 2022 Yale China Mentor
- 2021 NSF Panel Reviewer – Dynamics of Integrated Socio-Environmental Systems (DISES)
- 2021 Yale Institute for Biospheric Studies Donnelly Postdoctoral Fellows Committee
- 2019 - 2021 Yale YSE Research Committee
- 2020 Career award nomination committee. American Quaternary Association (AMQUA)
- 2017 Proposal review panel, 2018 National Oceanic and Atmospheric Administration (NOAA) Climate Program Office (CPO) Sectoral Applications Research Program
- 2016-2019 Member, U.S. National Committee for INQUA, US National Academies of Sciences, Engineering, and Medicine, Board on International Scientific Organizations (BISO).
- 2016-2018 Councilor, Paleobiology, American Quaternary Association (AMQUA)

2015-2019	Vice President, INQUA Palaeoclimate Commission (PALCOM)
2015	Panelist, Communicating Biogeographic Research: Outreach, the Press and Social Media. April 25, 2015, American Assoc. of Geographers, Chicago, IL
2014	Electorate Nominating Committee (ENC) of the Section on Geology & Geography, American Association for the Advancement of Science
2013	Mentor, DISsertations initiative for the advancement of Climate Change ReSearch (DISCCRS) VIII Symposium, Colorado Springs, CO
2013	Applicant Reviewer: DISsertations initiative for the advancement of Climate Change ReSearch (DISCCRS)
2012-2014	Chair, Early Career Research (ECR) Committee of the International Union for Quaternary Research (INQUA)
2012	Session Co-Organizer: Fire, Humans & Climate – Untangling relationships, causes and consequences, American Association of Geographers, New York, NY
2011-2015	Co-Secretary, Palaeoclimate Commission (PALCOM) of INQUA
2010-2012	Secretary, Paleoecology Section, Ecological Society of America
2009-2014	Created and maintained websites for DISCCRS, INQUA PALCOMM, INQUA ECR
2009-present	Proposal Reviewer: National Science Foundation; National Geographic; National Oceanic and Atmospheric Administration; Natural Sciences and Engineering Research Council of Canada; National Research Foundation of South Africa
2009	Applicant reviewer: DISsertations initiative for the advancement of Climate Change ReSearch (DISCCRS)
2009-present	Manuscript reviewer for 20+ journals: Annals of the Association of American Geographers, The Anthropocene, The Anthropocene Review, Bulletin of the American Meteorological Society, Climatic Change, Ecography, Environmental Politics, Environmental Research Letters, Forest Ecology and Management, Global Ecology and Biogeography, Geophysical Research Letters, The Holocene, Journal of Biogeography, Journal of Ecology, Journal of Quaternary Science, Journal of Vegetation Science, Nature, Nature Climate Change, Nature Communications, Palaeogeography, Palaeoclimatology, Palaeoecology, Proceedings of the National Academy of Science, Quaternary Research, Quaternary Science Reviews, Weather, Climate & Society,
2008	Session Organizer and Chair: Succeeding as a Biogeographer, AAG, Boston, MA
2007	Graduate Student Representative: AAG Biogeography Specialty Group
2006-2019	PAGES Global Palaeofire Working Group (GPWG) Steering committee

SYNERGISTIC ACTIVITIES (RECENT)

2023	NCAR Earth System Science and Technology hubs (NESTs) workshop invited speaker with the U.S. National Science Foundation National Center for Atmospheric Research (NSF NCAR) team
2020-present	Idaho Climate Literacy Education Engagement & Research (i-CLEER), Executive Committee
2021	Op-Ed Fellow on the Climate Crisis
2020	Connecticut Sea Grant, Advisory Panel
2019-2020	California Air Resources Board (CARB), Science Advisory Panel
2019-present	Co-leader of Yale School of the Environment Data Science Initiative
2020	Co-Organizer, INV03 - Climate Change and the Coronavirus: Promoting Emerging Leaders Through Crucial Conversations, American Geophysical Union, 1-17 December
2018-2019	Mentor, Reality of Climate Change Hackathon

UNIVERSITY SERVICE

Yale School of the Environment AI Committee (2024)

Yale School of the Environment Research Committee (2023-2024)

Yale School of the Environment Online Course Committee (2023-2024)

Three Cairns Proposal Review (2023)

Yale Institute for Biospheric Studies Hutchinson Fellowship Proposal Review (2023)

Yale Institute for Biospheric Studies Donnelly Fellowship Proposal Review (2022)

ADVISING/MENTORING

Post-graduate (Post-doc)

Nicholas O'Mara, Columbia Univ., Hutchinson Fellow (Geology/Geochemistry)

Graduate (PhD)

Christine Stevenson (Prescott Univ. 2023), PhD External Advisor (Sustainability Education)

Nicholas O'Mara (Columbia Univ., 2022), PhD External Advisor (Geology/Geochemistry)

Richard Vachula (Brown Univ., 2019), PhD External Advisor (Paleoecology)

Emily Aiken (Univ. of Delaware, 2021), PhD Externship Advisor (Geography)

Graduate (Masters)

Danielle Marquette (Boise State University, Geoscience, MS 2022)

Arunima Sircar (Yale SOE, expected 2022), MEdS, Thesis Advisor (Interdisciplinary)

Sally Donovan (Yale F&ES, 2020), F&ES Independent study (Interdisciplinary)

Sophie Robinson (Harvard Extension School, 2019), MS Thesis Advisor (Interdisciplinary)

Undergraduate Thesis

Benjamin Everett-Lane (Yale College, expected 2024), Senior Thesis (EVST)

Spencer Blackwood (Yale College, expected 2024), Senior Thesis Co-Advisor, Applied Math

Stella Sekoff (Yale College, 2023), Cognitive Psychology, Senior Thesis (Psychology)

Nick Begotka (Yale College, 2022), S&DS 491 Senior Thesis (Interdisciplinary)

James Sun (Yale College, 2021), S&DS 491 Senior Thesis (Interdisciplinary)

Lauren Kim (Yale College, 2021), EVST Thesis (Interdisciplinary)

Neehaar Gandhi (Yale College, 2021), S&DS/EVST Thesis (Interdisciplinary)

Khaya Klanot (Yale College, 2021), S&DS 491 Senior Thesis (S&DS)

Supervision & Independent Study Advising

Tammy Tran (Yale College '23); Isobel Campbell (YSE, PhD expected 2022); Lia Eggleston (Yale College '22); Topher Allen (Yale College '25); Nat Markey (Yale College '24); Megan Ayers (PhD, S&DS expected '25); Spencer Blackwood (Yale College '25); Joshua Zeitlin (Yale College '25); Raffaella Sindoni (MEM '23); Nick Begotka (Yale College, '24); Yihan Liu (MPH '23); Katherine Tucker (MEM '22); Benjamin Everett-Lane (EVST '23); Andry Rajaoberison (MEM '19); Pallavi Sherikar (MEM '20); Erik Lyon (MEM '19); Breanne Chryst (PhD, Statistics '18); Shuran Yao (Biostat. '19); Baobao Zhang (PhD, Pol. Sci. '18); Jingxi Chen (Biostat. '18); Swetha Kolluri (MEM '18); Ann Robertson (MESC '17); Lucia Woo (MESC '17)

PROFESSIONAL MEMBERSHIPS

Association of American Geographers (AAG)

American Association for Public Opinion Research (AAPOR)

American Meteorological Society (AMS)

American Geophysical Union (AGU)

American Quaternary Association (AMQUA)

International Union for Quaternary Research (INQUA)