

# JENNIFER R. MARLON

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## EDUCATION

- 2009 Ph.D., Geography, University of Oregon  
2003 M.S., Geography, University of Oregon  
1991 B.S., Business Administration, University at Albany, State University of New York

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## PROFESSIONAL EXPERIENCE

- 2017 – present Research Scientist & Lecturer, School of Forestry & Environmental Studies, Yale Program on Climate Change Communication, Yale Univ., New Haven, CT  
2013 – 2017 Associate Research Scientist, School of Forestry & Environmental Studies, Yale Program on Climate Change Communication, Yale Univ., New Haven, CT  
2012 – 2013 Postdoctoral Research Associate, Botany, University of Wyoming, Laramie, WY  
2010 – 2012 NSF Earth Sciences Postdoctoral Research Fellow, Dept. of Geography, Univ. of Wisconsin-Madison, WI  
2009 – 2010 Postdoctoral Research Assoc., Dept. of Political Science, Univ. of Oregon, OR  
2003 – 2008 Research Assistant, Dept. of Geography, Univ. of Oregon, OR  
2000 – 2002 Instructor, Geographic Information Systems, Dept. of Geography, Univ. of Oregon  
1998 – 2000 Project Manager, Broadcast Software International, Eugene, Oregon  
1994 – 1997 Production Manager (CA & NY offices), Electronic Legal Publishing, West Group, San Francisco, CA  
1992 – 1993 Analyst, Sierra Health Services, Las Vegas, NV  
1991 – 1992 Management Consultant, Ernst & Young, New York, NY

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## RESEARCH GRANTS & AWARDS

- 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)

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## PEER-REVIEWED PUBLICATIONS

- 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), pp.4-18.
- 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.
- 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.
- 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](https://doi.org/10.1016/j.revmic.2019.02.001).
- 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.
- 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.
- Goldberg, M., Marlon, J.R., Wang, X., van der Linden, S., Leiserowitz, A. (accepted). Campaign contributions to congress: influence or investment? *Proceedings in the National Academy of Sciences*.
- Gustafson, A., Marlon, J.R., Goldberg, M.H., Wang, X., Ballew, M.B., Rosenthal, S.A., Leiserowitz, A. (in press). Many Americans Support Suing Fossil Fuels Companies for Global Warming Damages. *Environment*.

- 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.
- 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>.
- 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.*
- 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.
- Marlon, J.R., Wang, X., Mildenerger, M., Bergquist, P., Swain, S., Hayhoe, K., Howe, P.D., Maibach, E., Leiserowitz, A. (in review). Hot dry days increase perceived experience with global warming. *Global Environmental Change*.
- 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.
- 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.
- 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.
- Leys, B., Marlon, J.R., Umbanhowar, C., Vanniery, B. (2018). Global fire history of grassland biomes. *Ecology and Evolution* 8 (17), 8831-8852.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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>
- 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*, arXiv preprint arXiv:1612.02382.
- 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.
- 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/>.
- 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).
- Mildenberger, 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>.
- 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.
- Howe, P., Mildenberger, 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.
- 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.
- 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.
- Zennaro, P., Kehrwald, N., Marlon, J.R., Ruddiman, W., Brücher, 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).
- 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.
- Brücher, 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.
- McLachlan, 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.
- 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.
- 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.
- Daniau, A-L., Sánchez Goñi, M.F., Martinez, P., Urrego, D.H., Bout-Roumazelles, 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.
- 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.
- 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.
- 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).
- Gill, J.L., Blois, J.L., Goring, S., Marlon, J.R., Bartlein, P.J., Nicoll, K., Scott, A.C., Whitlock, C., (2012) Paleocological changes at Lake Cuitzeo were not consistent with an extraterrestrial impact. *Proceedings of the National Academy of Sciences*, 109 (34):E2243-E2243.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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## OTHER JOURNAL PUBLICATIONS

- 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>.
- 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.
- LeDee, 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.

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## **OTHER PUBLICATIONS**

- 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.
- 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>.



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- 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](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.

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## INVITED PRESENTATIONS

- 2019 "Public Perception of Climate Change," Gateway to Global Affairs guest lecture, Yale, CT, Nov. 21.
- 2019 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>).
- 2019 "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.
- 2018 "Talking Climate: Challenges & Opportunities," Keynote for Connecticut Science Teachers Association annual conference, Southbury, CT, USA, Nov. 10.
- 2018 "Climate Change & Extreme Weather," Climate Initiative Coffee Chat, F&ES, New Haven, CT, USA, Nov. 8.
- 2018 "Using the Yale Climate Opinion Maps to Educate Your Decision-Maker", Guest speaker for Citizens Climate Lobby, New Haven, CT, USA, Oct. 18.
- 2018 "Hurricane Attitudes & Risk Perceptions of Coastal Residents," New York Center for Emergency Management, Brooklyn, NY, USA, Oct. 14.
- 2018 "Crisis Communication," Guest lecture, Univ. of Rhode Island, USA, Oct. 4.
- 2018 "Communicating Climate Change," Yale Energy Sciences Institute Symposium, Yale Univ., New Haven, CT, USA, May 23.
- 2018 "Public Perceptions of Climate Change," Climate Literacy & Energy Awareness Network (CLEAN), NOAA, USA, May 15.
- 2018 "Public Understanding of Climate Change," Climate Science & Democracy, Univ. of Chicago, IL, USA, April 26.
- 2018 "Wildfires in a Changing Climate," Guest lecture, Dept. of Ecology & Evolutionary Biology, Yale Univ., New Haven, CT, USA, April 7.



- 2018 “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.
- 2017 “Predicting fire outside the range of modern environmental conditions,” Fire Prediction Across Scales, Columbia Univ., New York, NY, USA, Oct. 23-25.
- 2017 “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).
- 2017 “Public Opinions on Climate Change in the US,” Dept. of Geosciences, Univ. of Massachusetts, Amherst, MA, USA, Sept. 15.
- 2017 “Climate Change in the American Mind,” King School, Stamford, CT, USA, April 18.
- 2017 “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.
- 2016 “Climate Change in the American Mind: Communication Challenges and Opportunities.” University of Colorado (class lecture), Oct. 11.
- 2016 “Global Syntheses of Charcoal Data,” PAGES workshop, Bordeaux, France, Sep. 25-30.
- 2016 “Should I stay or should I go? Communicating Risk when the Storm comes” Documentary discussion panel member. Long Beach, NY, July 14.
- 2016 “Effectively Communicating Climate Change to the American Public”. NOAA, Silver Spring, MD, June 2.
- 2016 “Climate Change Communication: Challenges and Opportunities.” Univ. of New Haven, New Haven, CT, April 20.
- 2016 “Safer to Stay, or Safer to Go?” National Hurricane Conference, Orlando, FL, March 24.
- 2016 “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.
- 2015 “Should I stay or should I go? Hurricane perceptions of CT coastal residents.” Sea Grant Assembly – Communications, Mystic, CT, Dec. 2.
- 2015 “Should I stay or should I go? Hurricane perceptions of CT coastal residents.” League of Women Voters, Branford, CT, Nov. 11.
- 2015 “Mapping Climate Conversations” Yale School of Forestry and Environmental Studies, GeoSig guest speaker. New Haven, Nov. 5.
- 2015 “The Global Charcoal Database.” FireMIP Workshop, Garmisch Partenkirshen, Germany, October 28-30.
- 2015 “Climate Change in the American Mind.” Assumption College, Worcester, MA, October 19.
- 2015 “Climate Change in the American Mind.” NAC SETAC Annual Meeting, Freeport, ME, June 11-12, 2015.
- 2015 “Should I Stay or Should I Go?” NOAA Sea Grant Connecticut Congressional Roundtable, Avery Point, CT, July 21.
- 2015 “Hurricane Perceptions of Coastal Connecticut Residents.” Coastal Storm Awareness Program, NOAA Sea Grant Workshop, Newark, NJ, May 26-27.
- 2015 “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.

- 2014 "Climate Change in the American Mind," School of Biology and Ecology / Climate Change Institute, University of Maine, ME.
- 2014 "Paleofire from Charcoal: State of the Science." PalEON Workshop, Boulder, CO, June 2-4.
- 2014 "Paleoclimate of the Northeastern US." PalEON Workshop, Boston, MA, March 7-9.
- 2014 "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.
- 2013 "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.
- 2012 "The Limits of Experience in Predicting Climate Change Risk Perceptions," Yale Project on Climate Change Communication (YPCCC) Project Meeting, Washington, DC.
- 2012 "Fire History of the Western United States," NSF PROBE Research Coordination Network, Manhattan, KS.
- 2012 "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.
- 2011 "Biomass Burning During the Last Millennium," PalaeoCarbon Modeling Intercomparison (PCMIP) Workshop, Sydney, Australia.
- 2011 "Sustainable Fire Regimes: Lessons from Paleofire Records," Pyrogeography Working Group 4: Towards Sustainable Fire Regimes, NCEAS, Santa Barbara, CA.
- 2011 "Reconstructing Fire From Sedimentary Charcoal Records," Institute for the Earth Environment, Xi'an, China.
- 2011 "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.
- 2009 "The Geography of Fire," Brown University, Geological Sciences Department, Providence, RI.
- 2009 "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.

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## TEACHING

- Fall 2019 F&ES 611, Introduction to Environmental Data Science, Yale University, CT
- Spring 2019, 2020 F&ES 603, Environmental Data Visualization & Communication, Yale University, CT
- Summer 2009 Quaternary Ecosys. Science Training International Group, Franche-Comté, France
- Summer 2006 Co-instructor, Introduction to Physical Geography, University of Oregon
- Summers 2001-02 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

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## SELECTED OUTREACH

- 2020 The Human Element. Movie screening panelist. Jan. 22. Hosted by the CT Women's Consortium.
- 2019 The New Reality of Wildfire in North America. Webinar moderator. Oct. 10. Hosted by Island Press. <https://islandpress.org/videos/webinar-new-reality-wildfire>
- 2019 Mothers of Invention. Podcast. Jan. 21. Hosted by Mary Robinson, former President of Ireland and author of Climate Justice.
- 2018 Warm Regards. Podcast. Apr. 3. Hosted by Jacquelyn Gill, University of Maine.
- 2018 WSHU Public Radio. Dec. 7. Curbing Climate Change. <http://www.wshu.org/post/curbing-climate-change>. Hosted by Ron Ropiak.
- 2018 WSHU Public Radio. Nov. 27. The Changing Climate's Impact On Our Area. <http://www.wshu.org/post/li-sound-changing-climates-impact-our-area-and-meeting-migrant-caravan>. Hosted by Ron Ropiak.
- 2018 Science. Nov. 14. Massive crater under Greenland's ice points to climate-altering impact in the time of humans. <https://www.sciencemag.org/news/2018/11/massive-crater-under-greenland-s-ice-points-climate-altering-impact-time-humans>.
- 2018 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>.
- 2018 Treasures from the Yale Film Archive. July 18. Werner Herzog's "Encounters at the End of the World" opening remarks about Antarctica and climate change.
- 2018 The Real News Network. July 3. "Heat Waves and Climate Change: Mass Media Fails to Make the Connection." <https://therealnews.com/stories/heat-waves-and-climate-change-mass-media-fails-to-make-the-connection>.
- 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>.
- 2017 The Independent. October 17. "Ancient Egypt may have been brought down by volcanoes and climate change, researchers say" by Andrew Griffin. <http://www.independent.co.uk/news/science/ancient-egypt-volcanoes-climate-change-riots-unrest-nature-communications-study-a8005211.html>.
- 2017 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](https://www.huffingtonpost.com/entry/hurricane-harvey-communication-weather-disasters_us_59a41f8ae4b0821444c4a4ba).
- 2017 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>.
- 2017 North Atlantic Fire Science Exchange. July 30. "Response of Forests and Fire to Climate Change and Human Activities", Webinar.
- 2017 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>.
- 2017 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>

- 2017 WNYC Radio. March 22. “The Takeaway,” interview.
- 2017 The New York Times. March 21. “How Americans Think About Climate Change — in Six Maps” 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>
- 2016 NOAA Coastal Storm Awareness Program & Connecticut Sea Grant. July 25. Interview.
- 2015 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>
- 2013 National Resources Defense Council. November 13. “Long-term Context for Wildfires in the Western US”, Briefing.
- 2013 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/>
- 2013 Climate Nexus. June 4. “Current Wildfires: Climate Context”, Webinar.
- 2012 Climate Nexus. September 18. “Climate & Wildfires”, Teleconference for the Media.

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## PROFESSIONAL SERVICE

- 2019 - 2021 Yale F&ES Research Committee.
- 2019 Moderator, GIS Day Conference, Keynote with Deidre Dalpiaz Bishop, Chief, Geography Division, United States Census Bureau
- 2019 Moderator, The New Reality of Wildfire in North America, sponsored by Island Press. October 11. Webinar.
- 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, AMQUA
- 2015-2019 Vice President, INQUA Palaeoclimate Commission (PALCOM)
- 2015 Panelist, Communicating Biogeographic Research: Outreach, the Press and Social Media. April 25, 2015, American Association 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-present	PAGES Global Palaeofire Working Group (GPWG) Steering committee

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## SYNERGISTIC ACTIVITIES

2019	Co-leader of the F&ES Environmental Data Science Initiative
2019	Mentor, Reality of Climate Change Hackathon
2018	Amelia Deshmukh, Puerto Rico High School student (conducted a survey of post-hurricane energy attitudes in Mayagüez, Puerto Rico)
2016-present	Undergraduate and Graduate supervisor: Dea Koco (DSDS '21); 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)
2015	Organizer: Global Paleofire Data-Model Comparisons Workshop, 27 Sept. - 2 October 2015, Harvard Forest, Petersham, MA
2013	Co-Organizer: Paleofire Data Synthesis Using R: A Global Paleofire Working Group (GPWG) Workshop, 2-6 October 2013, Frasné, France
2013	Palaeofire Working Group Coordination Meeting, University of Utah, UT, May 13-17
2012	Scientific Leadership & Management Course, Yale University, CT
2012	PROBE Research Coordination Network: The Novus project for integrating paleo- and neoecosystem ecology - workshop and network participant, Manhattan, KS
2012	Session Organizer and Chair: Fire, Humans and Climate: Untangling Relationships, Causes and Consequences, Association of American Geographers, New York, NY
2011-present	Yale Project on Climate Change Communication, CT
2011	Pyrogeography Working Group 4: Towards Sustainable Fire Regimes (NCEAS) - workshop participant, Santa Barbara, CA
2011	PaleoEcological Observatory Network to assess terrestrial ecosystem models (PaleON) - workshop and network participant, Chicago, IL

2011 Neotoma Paleoecological Database - network participant, Madison, WI  
2009 - 2013 Organizer, Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS)

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## **STUDENT MENTORING & ADVISING**

Emily Aiken (University of Delaware, expected 2021), PhD Externship Advisor (geography)  
Richard Vachula (Brown University, 2019), PhD External Advisor (paleoecology/paleofire)  
Sophie Robinson (Harvard Extension School, 2019), MS Thesis Advisor (climate communication)

Neehaar Gandhi (Yale College, 2021), S&DS & EVST Independent Study (social media analysis)  
Sally Donovan (Yale F&ES, 2020), F&ES Independent Study (stream protection rules)  
Khaya Klanot (Yale College, 2021), S&DS 491 Senior Project (Twitter discourse analysis)

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## **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)