

ANDREW J. PERSHING

Climate Central, Inc. | Princeton, New Jersey, USA

EMPLOYMENT HISTORY

2024–present	Chief Program Officer, Climate Central, Inc., Princeton, NJ
2023–2024	Vice President for Science, Climate Central, Inc., Princeton, NJ
2020–2023	Director of Climate Science, Climate Central, Inc., Princeton, NJ
2014 – 2020	Chief Scientific Officer, Gulf of Maine Research Institute, Portland, ME
2010 – 2013	Associate Professor, School of Marine Sciences, University of Maine, Orono, ME and Research Scientist, Gulf of Maine Research Institute, Portland, ME
2006 – 2010	Research Assistant Professor, School of Marine Sciences, University of Maine, Orono, ME and Research Scientist, Gulf of Maine Research Institute, Portland, ME
2003 – 2006	Assistant Professor, Department of Earth and Atmospheric Sciences and Faculty of Computing and Information Science, Cornell University, Ithaca, NY
2001 – 2003	Research Associate, Department of Earth & Atmospheric Sciences and Lecturer, Faculty of Computing and Information Science, Cornell University, Ithaca, NY

DEGREES

Ph.D., Ecology and Evolutionary Biology, Cornell University, 2001

Sc.B., Aquatic Biology, Brown University, 1995

NARRATIVE OF RESEARCH EXPERIENCE

My research examines how climate variability and climate change affect marine ecosystems and the communities that depend on them. I have worked across biological and physical oceanography, ecosystem modeling, fisheries science, and climate science to develop approaches for understanding, forecasting, and communicating environmental change.

At Cornell University and the University of Maine, I built interdisciplinary research programs combining oceanography, ecology, atmospheric science, and computational modeling. My work helped establish the Gulf of Maine as a model system for marine climate impacts. I led the team that documented the first marine heatwave in U.S. waters, organized projections for cod and lobster, and studied the process of adaptation of human systems to climate trends.

As Chief Scientific Officer at the Gulf of Maine Research Institute, I led scientific strategy and expanded research on climate adaptation, fisheries, and ocean observing while

strengthening partnerships with federal agencies and universities. I organized the Gulf of Maine 2050 conference and workshop that brought together scientists, tribal representatives, community leaders, and industry members from New England and the Canadian Maritimes to envision a sustainable and prosperous future for the region.

At Climate Central, I led the development of the first operational climate change attribution systems. This provides daily assessments of how climate change has made conditions in the air and in the ocean more likely and more severe. I now oversee our strategy to communicate the local effects of climate change to the public and to build tools that support climate-informed decision-making.

SELECTED PUBLICATIONS

Pershing, A.J., J.F. Bruno, J. Giguere, and A. Khrizman. 2026. Quantifying the role of climate change in driving mass coral bleaching. *Oceanography* 39(2):12-16. <https://doi.org/10.5670/oceanog.2026.e210>.

Roman, J., A.J. Abraham, J.J. Kiszka, D.P. Costa, C.E. Doughty, A. Friedlaender, L.A. Hückstädt, M. Marcondes, E. Wetsel, and A.J. Pershing. 2025. Migrating baleen whales transport high-latitude nutrients to tropical and subtropical ecosystems. *Nature Communications* 16:2125.

Giguere, J., D.M. Gilford, and A.J. Pershing. 2024. Attributing daily ocean temperatures to anthropogenic climate change. *Environmental Research: Climate* 3:035003.

Pershing, A.J., N.R. Record, B.S. Franklin, B.T. Kennedy, L. McClenachan, K.E. Mills, A.C. Thomas, J.D. Scott, and N.H. Wolff. 2019. Challenges to natural and human communities from surprising ocean temperatures. *Proceedings of the National Academy of Sciences* 116:18378-18383.

Pershing, A.J., M.A. Alexander, C.M. Hernandez, L.A. Kerr, A. Le Bris, K.E. Mills, J.A. Nye, N.R. Record, H.A. Scannell, J.D. Scott, G.D. Sherwood, and A.C. Thomas. 2015. Slow adaptation in the face of rapid warming leads to collapse of the Gulf of Maine cod fishery. *Science* 350:809-812.

HONORS

Yentsch-Schindler Early Career Award, Association for the Sciences of Limnology and Oceanography, 2014

National Defense Science and Engineering Graduate Fellowship, U.S. Department of Defense, 1996

Honors in Aquatic Biology, Brown University, 1995

PROFESSIONAL SOCIETY MEMBERSHIPS

American Geophysical Union

American Meteorological Society

The Oceanography Society