

Lisa Bucci, Ph.D.

Meteorologist National Hurricane Center

Lisa Bucci is a meteorologist with the Technology and Science Branch (TSB) at the National Hurricane Center in Miami, Florida. She served as a hurricane specialist at NHC during the 2022–2025 hurricane seasons.

Dr. Bucci earned her Bachelor's degree (2007) in Earth Systems Engineering from University of Michigan, followed by her Master's degree in Meteorology from Florida State University (2010). Her master's research focused on the development of a statistical model to predict the spatial distribution of global cloud coverage. She later returned to graduate school at the University of Miami, where she earned her Ph.D. in Meteorology in 2020. Her doctoral research investigated the application of airborne and space-based Doppler Wind Lidar observations to tropical cyclone analysis and prediction.

From 2012 to 2022, Dr. Bucci worked in the Hurricane Research Division at NOAA's Atlantic Oceanographic and Meteorological Laboratory (AOML), serving both as a University of Miami Cooperative Institute–affiliated scientist and later as a federal employee. During that time, she helped develop NOAA's Hurricane Observing System Simulation Experiment framework to study the impacts of new observing technologies



on tropical cyclone forecasts. Dr. Bucci also often served as a scientist onboard NOAA's hurricane hunter aircraft. She has flown through notable storms such as Sandy (2012), Matthew (2016), and Irma (2017) and was recognized as NOAA's Employee of the Month for her work in Irma. Dr. Bucci served as the director of NOAA's 2020 Hurricane Field Program.

Dr. Bucci has authored or co-authored several peer-reviewed scientific publications. She received the American Meteorological Society's Banner I. Miller Award (2016) as a co-author of a study on a high-resolution simulated tropical cyclone. She also received the Silver Sherman Award (2022) and the NHC Peer Award (2025). Dr. Bucci regularly presents her work and has served as a keynote speaker at a variety of scientific conferences and professional meetings.



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