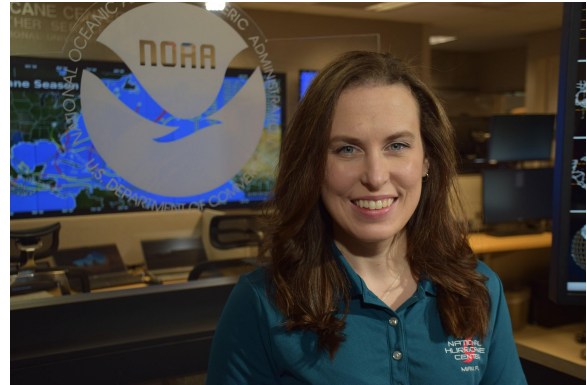# Lisa Bucci, Ph.D.

Hurricane Specialist
National Hurricane Center

Lisa Bucci is a hurricane specialist at the National Hurricane Center in Miami, Florida.

Dr. Bucci received her Bachelor's degree (2007) in Earth Systems Engineering with an Atmospheric Science concentration from University of Michigan followed by her Master's degree in Meteorology from Florida State University (2010). Her graduate research explored the use of a statistical model to predict the location of global cloud coverage. Dr. Bucci later returned to graduate school at the University of Miami and received her Doctorate in Meteorology in 2020. Her doctoral research studied the use of an airborne and space-based technology, called a Doppler Wind Lidar, in tropical cyclone analysis and prediction.

Previously, Dr. Bucci worked in the Hurricane Research Division at NOAA's Atlantic Oceanographic and Meteorological Laboratory from 2012 through 2022, both as a University of Miami Cooperative Institute affiliated scientist and as a federal employee. There 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 reconnaissance 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 in 2018 for her work in Irma. In 2020, Dr. Bucci served as the director of NOAA's Hurricane Field Program.

Dr. Bucci has authored or co-authored several peer-reviewed publications. In 2016, she received the AMS Banner Miller award as a co-author on a study of a high-resolution, simulated tropical cyclone. She also regularly presents at scientific meetings, including conferences of the American Meteorological Society and the American Geophysical Union.

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