Monica Bozeman
Meteorologist/Programmer
National Hurricane Center

Monica Bozeman is a meteorologist and programmer for the Technology and Science Branch (TSB) at NOAA's National Hurricane Center (NHC) in Miami, Fla.

She received a Bachelor of Science degree in Meteorology from North Carolina State University (2009) and a Master of Science degree in Atmospheric Science from Purdue University (2011). While an undergraduate, she worked for the State Climate Office of North Carolina in Raleigh where she was the lead undergraduate researcher of the Weather Research and Forecasting (WRF) Model Evaluation Project, evaluating its strengths and deficiencies with combinations of model physics packages, and producing improved forecast products to the National Weather Service (NWS). As a Masters student at Purdue, she spent a summer at NOAA's Hurricane Research Division with its hurricane modeling group, helping to improve the HWRF model from a land surface feedback perspective. Her Master's thesis was one of the first published theses that was supported by the Hurricane Forecast Improvement Project (HFIP).

Bozeman's professional career began in 2011 as the Manager of Meteorological Applications Development for the Commodity Weather Group, LLC, in Bethesda, MD. Her responsibilities included serving as the entire IT department, including webmaster, data procurement, and the development of new model products and services for clients. She began her career with NOAA in 2012 at NHC's Technology and Science Branch as a meteorologist and programmer.

Her many responsibilities include serving as the NHC liaison to NOAA's Center for Weather and Climate Prediction (NCWCP) and to NWS Headquarters in Maryland. She is also the ATCF and satellite data focal point for NHC, directly supporting NCEP, and the Central Pacific Hurricane Center in Hawaii, while collaborating with NESDIS GOES-R/JPSS Proving Ground(s), NWS Office of Observations, NASA, UK Met Office, US Navy, and numerous university affiliates . In addition, she trains forecasters on using new AWIPS tools and datasets, as well as supporting AWIPS2 at the NHC.

Bozeman has co-authored a number of scientific publications, presented at several national conferences, and is a reviewer for several American Meteorological Society (AMS) journals. She has received various Special Act Awards and the local level Isaac Cline Awards during multiple years. She enjoys doing outreach and providing guidance to students.

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