



# OFFICE OF WEATHER AND AIR QUALITY

National Oceanic and Atmospheric Administration

## Research Grant Opportunities, NOAA-OAR-OWAQ-2020-2006188

The **Office of Weather and Air Quality (OWAQ)** supports world-class weather and air quality research to save lives, reduce property damage, and enhance the national economy. In pursuit of its vision and mission, OWAQ works closely with the National Weather Service (NWS) to help develop and transition weather and air quality research, including hurricanes, severe thunderstorms, heavy precipitation, and air pollution.

### Current Opportunities

There are three grant competitions in the “FY2020 Office of Weather and Air Quality Research Programs” (<http://bit.ly/2U4RCko>) grant opportunity valued at approximately \$7,000,000. Eligible applicants are U.S. institutions of higher education; other nonprofits; U.S.-based commercial organizations; state, local and Indian tribal governments in the U.S.; and other U.S. non-profit organizations. Federal Government employees (including NOAA federal employees) may serve as co-PIs or co-Investigators (co-Is) but are ineligible for their salary costs and are required to partner with one or more eligible non-federal institution(s) who would submit the application for the competition through Grants.gov per instructions in Section IV.G “Other Submission Requirements.”

### Due Dates

-  **LOIs Due** - September 17, 2019
-  **Expected Response Date** – October 16, 2019
-  **Full Proposals Due** - November 20, 2019

Summary of Grant Opportunities	Program Descriptions
<b>Climate Testbed (CTB)</b>	<b>CTB</b> projects are intended to test and demonstrate the potential for scientific advances from the external research community to improve operational climate predictions, and to enhance the public benefits derived from these research activities. The CPC delivers real-time products and information that predict and describe climate variations on timescales from weeks to years thereby promoting effective management of climate risk and a climate-resilient society.
<b>Joint Technology Transfer Initiative (JTII)</b>	<b>JTII</b> focuses on furthering the development, testing, and evaluation of mature weather research that has potential for improving NOAA’s NWS operational capabilities, particularly in the areas of advancing numerical weather prediction capabilities in that seamlessly integrate in the NOAA Unified Forecast System (UFS), water prediction capabilities, and forecasting extreme precipitation and flooding events.
<b>Verification of the Origins of Rotation in Tornado Experiment in the Southeast U.S. (VORTEX-SE)</b>	<b>Verification of the Origins of Rotation in Tornado Experiment in the Southeast U.S. (VORTEX-SE)</b> is a research program intended to improve tornado forecasts and warnings in the southeastern United States by examining historical data (special datasets collected in the field as supported by VORTEX-SE) and applying state-of-the-art numerical weather prediction and data assimilation systems. VORTEX-SE will also explore avenues for more effectively communicating tornado forecasts to the public, and evaluate aspects of public vulnerability, risk perception and response to these forecasts.

