

**NOAA**  
**WEATHER**  
PROGRAM OFFICE

# Innovative Science Powering a Weather-Ready Nation

The Weather Program Office (WPO) funds research to improve weather forecasts, save lives, and reduce property damage. We work throughout the Weather Enterprise to foster research that can be transitioned into operations, knowledge, and other applications so the public can better be prepared for extreme weather.



## Division Spotlight Science, Technology, and Society

WPO's Science, Technology, and Society Division funds weather and water research and development (R&D) projects that are useful, usable, and used through codevelopment between researchers, operational meteorologists, and external users.

WPO works across the Weather Enterprise to enhance the economic and societal value of weather information through understanding societal needs and decision-making processes across a wide variety of populations. Those needs are then addressed through R&D funding opportunities.

To ensure R&D projects have value, the Division focuses on transitioning research into operations, applications, and knowledge utilizing a variety of resources, including NOAA Testbeds, that allow researchers and practitioners to collaborate to improve products and services together.

### WPO Divisions

Management and Administration

Observations and Research Support

Earth System research and Modeling

**Science, Technology, and Society**

The division also serves as the lead for **Goal 2** of WPO's Strategic Plan:

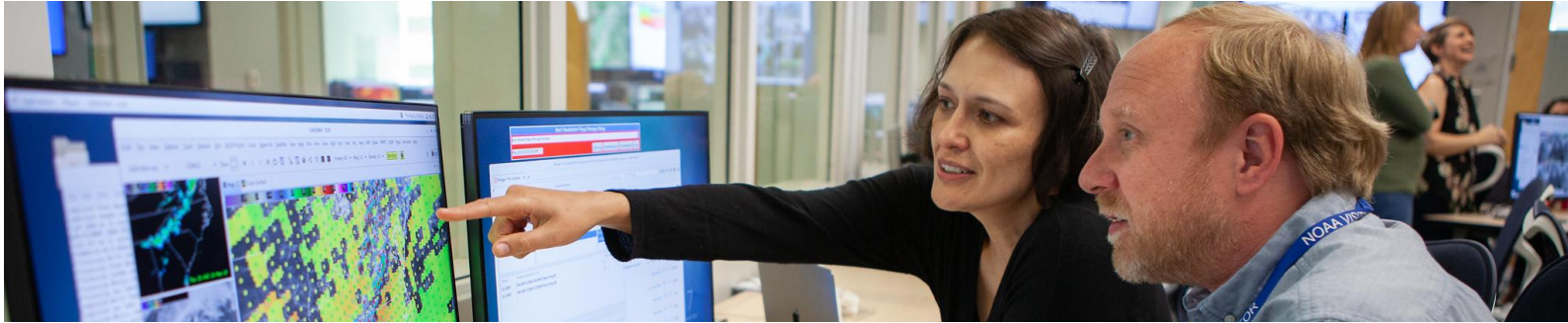
*Improve high-impact weather forecasts, products, and services and their delivery, use, and value to the public.*

**We Fund Research to Improve Your Weather Forecasts**



## Testbeds Program

Funds projects that enables researchers and forecasters to work together to integrate new observing systems into models, test and streamline data assimilation methods, test model improvements, and strategize new developments for the benefit of the public.



## Social Science

Funds social, behavioral, and economic research that plays a critical role in connecting improvements of NOAA's weather forecast information to the public's growing forecast needs, including an emphasis on SBES data and knowledge transfer.

## Joint Technology Transfer Initiative (JTII)

Funds projects that focus on more mature research, advancing the latest science and technology, especially the UFS, into operations.

## System for Public Access to Research Knowledge (SPARK)

The ST&S Division has supported over 300 physical and social science research projects. SPARK is a centralized online repository where researchers and practitioners can filter ST&S-funded projects based on hazards and topic areas.

