

## Building a Weather-Ready Nation

### Know your risk.

Hurricanes, droughts, tornadoes, snow storms, flooding—severe weather impacts every part of the country. The first step to becoming **weather ready** is to understand your weather risk.

### Take action.

Be a Force of Nature by making sure that you and your family are prepared for severe weather. Create a disaster supplies kit and make sure that you can receive emergency messages.

### Be an example.

Be a positive influence on your community by sharing your weather preparedness story and by letting your friends and family know what you did to become **weather ready**.

## NWS Employees Help Ensure Public Safety



The NWS employs a variety of scientific and technical professionals to meet its mission to protect lives. Learn more at: [www.weather.gov/careers](http://www.weather.gov/careers)



Careers in **Meteorology**



Careers in **Hydrology**



Careers in **Physical Science**



Careers in **Information Technology**



Careers in **Electronics Maintenance**



Careers in **Operational Support**

## CONNECT

Follow the NWS on social media @nws



Or visit [www.weather.gov/socialmedia](http://www.weather.gov/socialmedia) to find your local office!

## Your National Weather Service



Provides weather, water, and climate data, forecasts and warnings for the protection of life and property and enhancement of the national economy

# Observations

Quality data observations are the foundation of the forecast process and are an integral component of numerical weather prediction. Billions of observations are collected each day from a vast array of observing platforms, such as satellite, radar, radiosonde (weather balloons), aircraft-based observations, and near-ground sensors.



satellites  
aircraft  
radiosondes  
radar  
weather stations



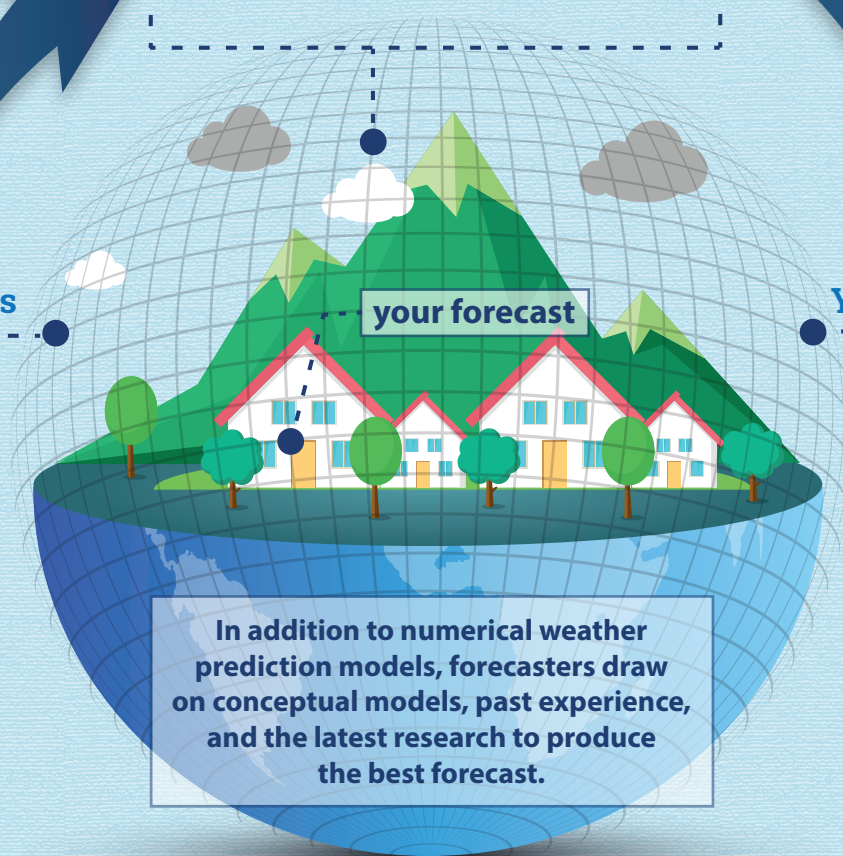
# Forecasting



numerical  
weather  
prediction



scientific  
expertise



**We Collect Billions  
of Observations**

**your forecast**

**Your Forecast is Only  
the Starting Point**

In addition to numerical weather prediction models, forecasters draw on conceptual models, past experience, and the latest research to produce the best forecast.

# Decision Support

NWS provides Impact-based Decision Support Services (IDSS) to emergency managers and other government agencies. IDSS helps these government partners make better weather, water, or climate decisions that directly affect local communities.



briefings  
partnerships  
outreach  
watches  
warnings

