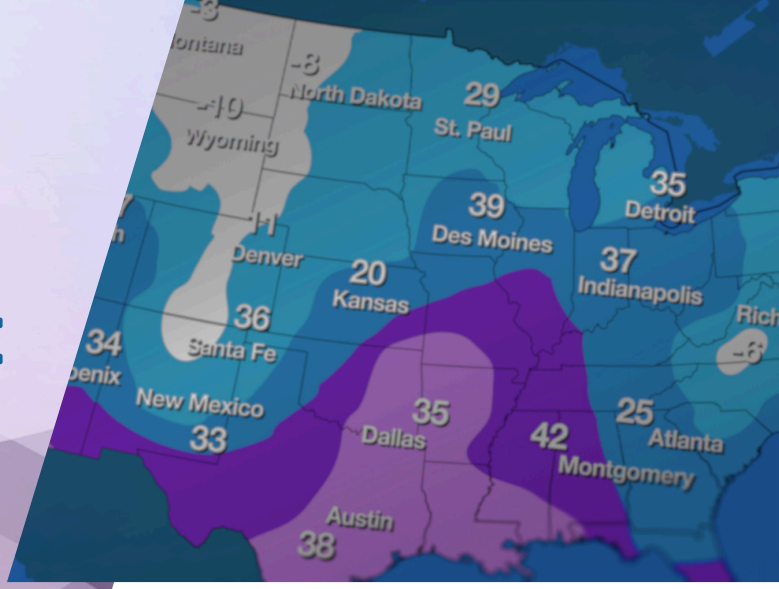
KNOWLEDGE FOR A COMPETITIVE AMERICA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

IMPACTS AT A GLANCE



INVESTMENTS IN EARTH SCIENCE AND WEATHER INTELLIGENCE KEEP AMERICANS COMPETITIVE, PROSPEROUS, AND SECURE.

Through investments in U.S earth science and weather intelligence, we can support all sectors of America's economy and society. Farmers protecting their crops, builders securing homes, and airlines keeping flights safe all rely on NOAA's research and programs. A better understanding of weather leads to better predictions that will help save trillions of dollars.

WHAT ARE THE EARTH SCIENCE AND WEATHER INTELLIGENCE PROGRAMS AT NOAA?

Across NOAA, thousands of experts conduct cutting-edge research that help us monitor, understand, and predict the environmental factors that affect our economy and day-to-day lives. From foundational weather and atmospheric science produced by NOAA OAR to cutting-edge earth observations conducted by NOAA NESDIS, earth science and weather intelligence programs shape our understanding of the world.

AMERICAN STRENGTH AND PROSPERITY DEPENDS ON NOAA

10%

OF US JOBS

U.S. agriculture contributed more than 10% of US jobs and $1.53 trillion to U.S. GDP in 2023.

$1 BILLION

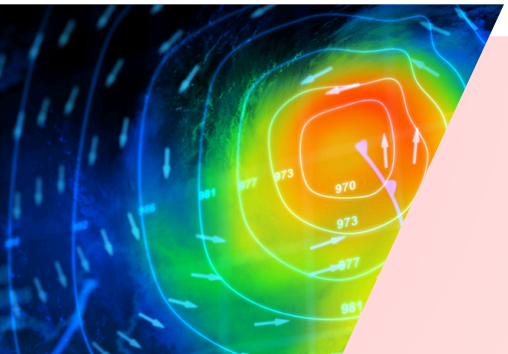
ANNUALLY

Economic losses from weather related flight delays and cancellations exceed $1 billion annually.

44%

OF US HOMES

44.8% of U.S. homes face at least one type of severe weather or climate risk from floods, winds, wildfires, heat, or air quality.



AMERICANS ARE MORE SECURE, COMPETITIVE, AND PROSPEROUS BECAUSE OF REASONABLE AND MEANINGFUL INVESTMENTS IN FEDERAL EARTH SCIENCE AND WEATHER INTELLIGENCE.

NOAA OCEANIC AND ATMOSPHERIC RESEARCH (OAR)

OAR is to enhance our awareness, anticipation, and support for decision-makers regarding Earth's systems. Through various projects nationwide, OAR organizes data to assist in understanding El Niño and La Niña seasons, early warning signs of drought, UV exposure forecasts via ozone monitoring, and leading global research on ocean acidification.

NOAA NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE (NESDIS)

NESDIS manages all weather and earth science satellites, recording large amounts of data used across all departments of NOAA. NESDIS has revolutionized our understanding of weather over the last 50 years, providing accurate forecasting of hurricanes, supporting aviation through Automated Surface Observing Systems (ASOS), and agricultural management and planning.

NOAA COOPERATIVE INSTITUTES (CIS)

Research and partnership between the federal government and university and nonprofit research institutions help NOAA achieve its mission. In 33 states across the country, Cooperative Institutes provide localized information and support. Tools like the National Drought and Climate Information Systems, Data Stewardship and Coastal Resilience are examples of the beneficial partnership between the federal government and local communities when it comes to the study of earth sciences.

NOAA OFFICE OF EDUCATION

Understanding earth science and weather intelligence data can be intimidating. The Office of Education focuses on preparing and retaining the next generation of earth science experts. Through their Environmental Literacy Program (ELP), NOAA directly funds local communities through their competitive grants, supporting place-based solutions. The NOAA Education Portal provides a central nexus for all Americans to discover NOAA's vast resources and products.

WANT TO GET INVOLVED?

Reach out to
info@usacompetes.org

Learn more on our website:
usacompetes.org

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