

NOAA Education

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NOAA STRATEGIC GOAL 01

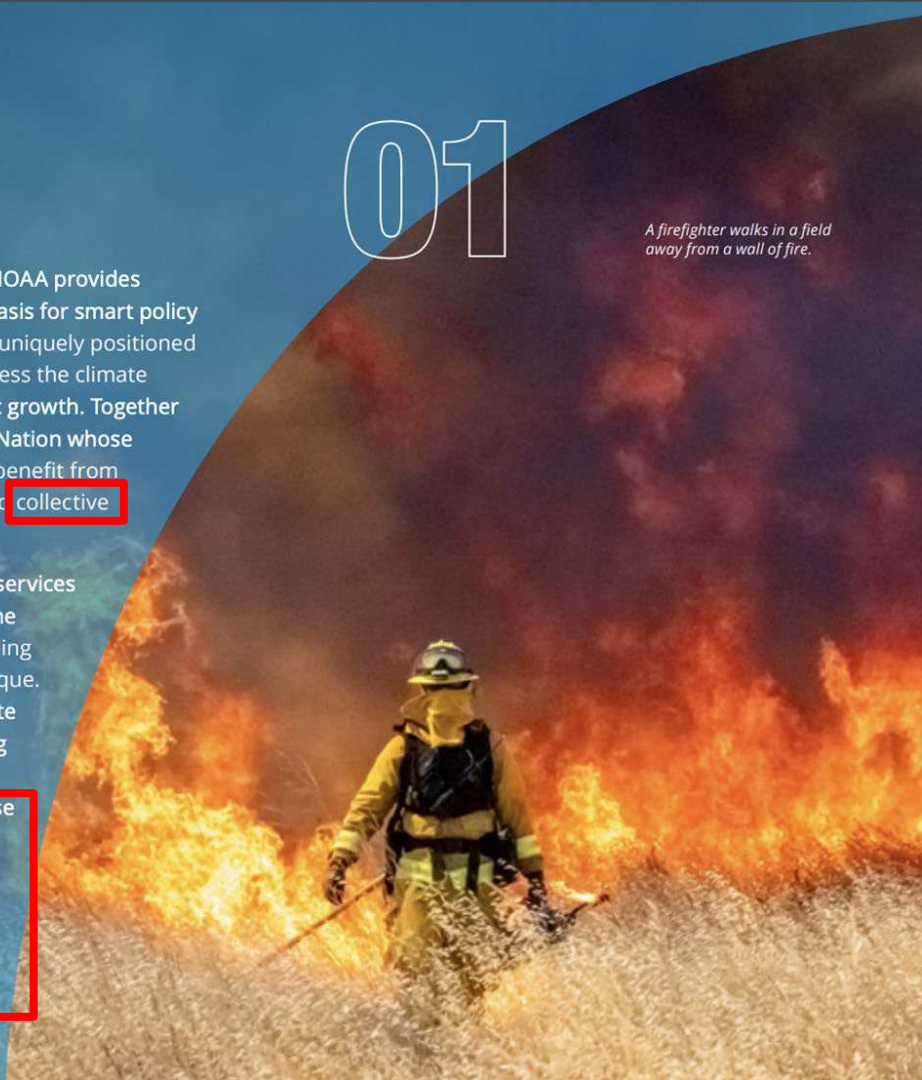
BUILD A CLIMATE READY NATION

01

A firefighter walks in a field away from a wall of fire.




As a world leader in climate science and services, NOAA provides actionable environmental information that is the basis for smart policy and decision-making in a changing world. NOAA is uniquely positioned to support the whole-of government effort to address the climate crisis, strengthen resilience and promote economic growth. Together with its partners, NOAA will build a Climate Ready Nation whose prosperity, health, security and continued growth benefit from and depend upon a shared understanding of — and collective action to reduce — the impacts of climate change.

NOAA will deploy the full breadth of its integrated services and capabilities to build a Climate Ready Nation. The climate goal is organized into five objectives according to NOAA's value chain which makes the agency unique. This end-to-end value chain for authoritative climate and weather data and services starts with investing in observational infrastructure and culminates in delivering comprehensive services to meet a diverse set of missions. NOAA's partners — including businesses, federal agencies, emergency managers and underserved and vulnerable communities — can gain insights and take decisive action based on NOAA's data, tools and services.





NOAA's Mission



NOAA's mission of science, **service and stewardship** are the three pillars supporting the agency's leadership in understanding and predicting changes in climate, weather, oceans and coasts — and **getting actionable environmental information in the hands of *decision makers***.



When it comes to climate, weather, oceans and coasts often we are all decision makers.





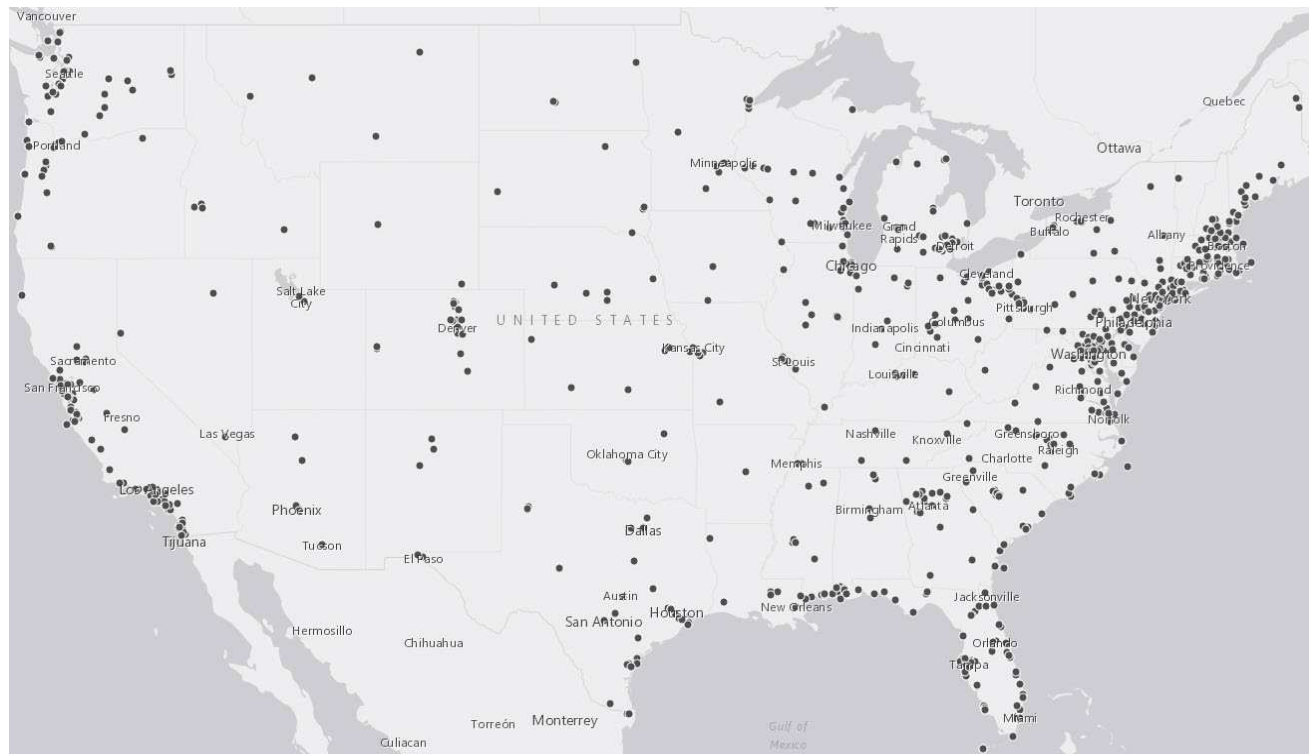
EDUCATION SUPPORTS NOAA'S MISSION

Education Mission: To educate and inspire the Nation to use science toward improving ocean and coastal stewardship, increasing safety and resilience to environmental hazards, and preparing a future workforce to support NOAA's mission



NOAA Education and Partners

Many facilities in diverse locations throughout the U.S.



NOAA Education Coordination

The NOAA Education Council coordinates education activities across NOAA and is a resource for the NOAA education community.

NOAA Education Council Members

National Ocean Service (NOS): Ed, MDP, OCM, ONMS,

National Weather Service (NWS): Ed, WCM

NOAA Fisheries (NMFS): Ed, TAS,

NOAA Satellites (NESDIS): Ed

NOAA Research (OAR): Ed, CPO, NSGC, OE

Office of Education (OEd): B-WET, ELG, EPP,

NOAA Education Strategic Plan



NOAA Education Impacts (FY21)

Over **1.2 million people** visited informal education institutions (due to COVID)

Nearly **496 institutions** increased educational capacity

Over **1.2 million youth and adults** participated in NOAA supported informal education programs

Over **331,000 (down from 450,000) preK -12 students** participated in NOAA supported formal education programs

Over **44,000 educators** participated in NOAA supported professional development programs

Over **48.7 million people** visited NOAA Education websites

Over **4,300 postsecondary students** trained in NOAA-mission related sciences through NOAA-funded higher education programs

Nearly **783 postsecondary degrees** in NOAA-related disciplines awarded to students

K-12 and Informal Grant Programs

Environmental Literacy Program

- Helps communities use education to become more resilient to extreme weather environmental hazards

Bay Watershed Education and Training (B-WET)

- Supports locally relevant, authentic experiential STEM learning for K-12 students and teachers



<https://www.noaa.gov/office-education>



Informal Education Networks



Science On a Sphere Network

- [175+ learning institutions](#) showcasing SOS and reaching over **60 million visitors a year ***



Coastal Ecosystem Learning Centers

- 25 aquariums and learning centers focusing on increasing the public's understanding of ocean issues and reaching **20 million visitors a year**



Citizen Science

- Citizen scientists help NOAA collect information
- NOAA and Federal Citizen Science Community of Practice coordination