OCEAN OBSERVATORIES INITIATIVE
Pioneer Array
Irminger Sea Array
Endurance Array
Regional Cabled Array
Station PAPA Array
POLAR PROGRAMS - ARCTIC
Toolik Field Station, Alaska
Summit Station, Greenland
NATIONAL SUPERCONDUCTING CYCLOTRON LABORATORY
U.S. ACADEMIC RESEARCH FLEET: NSF-OWNED RESEARCH VESSELS
R/V Sikuliaq
R/V Oceanus (Retiring 2021), R/V Taani (Online 2023)
R/V Endeavor (NSF divesting 2022), R/V Resolution (online 2023)
R/V Marcus G. Langseth (NSF divesting 2022)
R/V Gilbert R. Mason
NATURAL HAZARDS ENGINEERING RESEARCH INFRASTRUCTURE
NATIONAL ECOLOGICAL OBSERVATORY NETWORK
LARGE HADRON COLLIDER
A Toroidal LHC AppartuS
Compact Muon Solenoid
GROUND-BASED ASTRONOMY AND ASTROPHYSICS
NATIONAL RADIO ASTRONOMY OBSERVATORY
Atacama Large Millimeter/submillimeter Array
Very Large Array
Very Long Baseline Array
NATIONAL DEEP SUBMERGENCE FACILITY
NATIONAL SOLAR OBSERVATORY
Daniel K. Inouye Solar Telescope
NSF'S NATIONAL OPTICAL-INFRARED ASTRONOMY RESEARCH LABORATORY
Kitt Peak National Observatory
Gemini North and South Telescopes
Cerro Tololo Inter-American Observatory
Vera C. Rubin Observatory
Community Science and Data Center
SEISMOLOGICAL FACILITY FOR THE ADVANCEMENT OF GEOSCIENCES
NATIONAL CENTER FOR ATMOSPHERIC RESEARCH
NSF/NCAR HIAPER
NSF/NCAR C-130
Earth Observing Laboratory's Research Aviation Facility
Yellowstone NCAR/Wyoming Supercomputing Facility
High Altitude Observatory (NCAR/UCAR)
Laser Interferometer Gravitational-Wave Observatory
Arecibo Observatory
Green Bank Observatory
IceCube Neutrino Observatory
GEODETIC FACILITY FOR THE ADVANCEMENT OF GEOSCIENCES
INTERNATIONAL OCEAN DISCOVERY PROGRAM
JOIDES Resolution (deep sea drilling ship)
NATIONAL HIGH MAGNETIC FIELD LABORATORY
RV Nathaniel B. Palmer (icebreaker)
RV Laurence M. Gould (ice-strengthened vessel)
Amundsen-Scott South Pole Station
McMurdo Station
Palmer Station
POLAR PROGRAMS - ANTARCTIC
NSF

NATIONAL ECOLOGICAL OBSERVATORY NETWORK

NEON is a continental-scale ecological observatory that enables fundamental research on biological responses to shifting environmental conditions, land-use changes and invasive species.

NATIONAL HIGH MAGNETIC FIELD LABORATORY

Funded by NSF and the State of Florida, MagLab is the largest and highest-powered magnet laboratory in the world, used by thousands of scientists every year who are probing fundamental questions about materials, energy and life.

NATIONAL SUPERCONDUCTING CYCLOTRON LABORATORY

This NSF-funded nuclear science research facility allows researchers around the world to explore the inner workings of atoms and their role in the universe.

NATURAL HAZARDS ENGINEERING RESEARCH INFRASTRUCTURE

The NHERI network of university-based, experimental facilities provides researchers with state-of-the-art tools to investigate earthquake, wind and water hazards, and test ground-breaking concepts to protect individuals, communities and infrastructure.

OCEAN OBSERVATORIES INITIATIVE

NSF installed a network of instruments, undersea cables and moorings to span the Western Hemisphere and measures physical, chemical, geological and biological phenomena in key coastal, regional and global areas. Woods Hole Oceanographic Institute operates OOI.

POLAR PROGRAMS: ANTARCTIC AND ARCTIC

NSF's Office of Polar Programs supports world-class Arctic and Antarctic science through grants to researchers across the U.S. and by providing polar facilities and operational support.

SEISMOLOGICAL FACILITY FOR THE ADVANCEMENT OF GEOSCIENCES

SAGE is a distributed, multiuser, national facility for the development, deployment and operational support of modern digital seismic and related geophysical instrumentation that serve national goals in basic research and education in the Earth sciences.

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National Science Foundation

MAJOR MULTI USER FACILITIES ENABLING BASIC RESEARCH

To sustain the nation's scientific enterprise, NSF supports a wide array of research infrastructure throughout the country and around the world, from polar research stations and telescopes to research vessels, ocean instruments and long-term ecological research sites.

ACADEMIC RESEARCH FLEET

NSF, in partnership with other federal agencies, supports the U.S. Academic Research Fleet, including the four NSF-owned vessels.

GEODETIC FACILITY FOR THE ADVANCEMENT OF GEOSCIENCES

GAGE is a distributed, multiuser, national facility for the development, deployment and operational support of modern geodetic instrumentation that serve national goals in basic research and education in the Earth sciences.

GROUND-BASED ASTRONOMY AND ASTROPHYSICS

NSF funds a suite of ground-based telescopes and observatories that use cutting-edge technology to explore the universe and advance astronomical research. Many of the world's most renowned telescopes are operated by NSF.

INTERNATIONAL OCEAN DISCOVERY PROGRAM

The *JOIDES Resolution*, an ocean-drilling research vessel that is part of the IODP, conducts sea drilling to study Earth's oceans and paleoclimate and maintains several ocean drill sites around the world.

LARGE HADRON COLLIDER

NSF supports two particle physics detectors—ATLAS and CMS—at the LHC in Switzerland, the world's largest, most powerful particle accelerator.

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

NCAR is a research and development center devoted to understanding and transferring knowledge about the behavior of the atmosphere and related Earth and geospace systems.

NATIONAL DEEP SUBMERGENCE FACILITY

With funding from NSF, the Woods Hole Oceanographic Institute operates three deep-sea exploration vehicles: Alvin, a human-occupied vehicle; JASON, a remotely-operated vehicle; and SENTRY, an autonomous underwater vehicle.