



U.S. National
Science Foundation



OREGON

FY 2023 Fast Facts



\$121,385,000

Total NSF Awards
to Oregon



\$98,013,000

Invested in Fundamental
Research in Oregon



\$23,221,000

Invested in STEM
Education in Oregon



\$5,209,000

Invested in Oregon
Businesses

Top NSF-funded Academic Institutions for FY 2023

Oregon State University
\$61,309,000

University of Oregon
\$32,626,000

Portland State University
\$7,478,000

NSF By The Numbers

The U. S. National Science Foundation (NSF) is an [\\$9.06 billion](#) independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense. NSF's vital role is to support basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **261** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

93%
Funds research,
education and
related activities



11K
Awards



1.9K
Institutions



353K
People

**Data represents FY 2023 Actuals unless otherwise indicated*



www.nsf.gov

2415 Eisenhower Avenue | Alexandria, VA 22314



Expanding the Frontiers of Science

Effective solutions to mitigate climate change are urgently needed and require adaptive strategies implemented on immediate and long-term timelines. Federal, state and local governments have made major investments in biological carbon sequestration for climate change mitigation, but these investments are often at odds with community priorities to adapt to climate-induced disturbances such as drought, wildfire and sea level rise. To address this challenge, the **University of Oregon**, through funding from the NSF Using the Rules of Life to Address Societal Challenges program, is undertaking the Convergence to Accelerate Research on Biological Sequestration (CARBS) project. This approach builds on existing investments to ensure U.S. leadership in climate change mitigation and adaptation. CARBS combines Indigenous knowledge, artificial intelligence and environmental DNA into carbon capture research focused on working landscapes — farmlands, ranchlands, and forests — in the mountainous and coastal ecosystems of the Pacific Northwest. The project seeks to understand how carbon sequestration projects can be coordinated across diverse social and ecological contexts and how to present land management, restoration and conservation to communities as a range of options rather than a single mandatory model.



STEM Education and Broadening Participation

The polar regions inspire wonder, awe and fascination. But they are also icons of fragility that have provided global audiences with unforgettable images of glacial melt, shrinking permafrost and the resiliency of Indigenous communities in the face of changing Arctic climates. Scientific activity at the poles addresses these urgent global challenges; explores the mysteries of Earth's history, the solar system and the universe; and investigates the wonder of life in extreme environments. Through NSF funding, **Oregon State University** is facilitating a Polar Science, Technology, Engineering, Arts and Mathematics (Polar STEAM) program that aims to increase the visibility and impact of polar science, and to increase access to polar science for faculty and students from minority-serving institutions and two-year colleges, by integrating arts- and education-based elements to polar science research. Two programs define Polar STEAM: (1) the Polar Educators program facilitates deployments to both the Arctic and the Antarctic and virtual experiences connected to the polar expeditions for both formal and informal educators and (2) the Antarctic Artists and Writers program facilitates deployments to the Antarctic for creative practitioners within the arts and humanities to interact with polar researchers.



Regional Innovation Engines

NSF Regional Innovation Engines (NSF Engines) Development Awards help organizations create connections and develop their local innovation ecosystem within two years to prepare a strong proposal for becoming a future NSF Engine. A Development Award led by **Oregon State University** is focused on creating a semiconductor ecosystem in Oregon, Idaho and Washington. The semiconductor ecosystem encompasses use-inspired research related to the semiconductor industry, expands innovation and entrepreneurship, creates workforce training programs and increases access and awareness within diverse groups. Partner institutions include semiconductor manufacturing and supply chain industries, national laboratories, state and local governments and educational institutions.

NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, Oregon ranks 15th in the nation for utility patents issued to state residents. Visit Oregon's science and engineering state profile to learn more!

- 41.15%** of Oregon's [higher education degrees are concentrated in S&E fields.](#)
- 5.36%** of Oregon's [workforce is employed in S&E occupations.](#)
- 7.43%** of Oregon's [total employment is attributable to knowledge - and technology - intensive industries.](#)

Learn More

CHIPS & SCIENCE – The CHIPS and Science Act's investments in the U.S. National Science Foundation will help the United States remain a global leader in innovation. Implementation of this legislation will be key to ensuring that ideas, talent and prosperity are unleashed across all corners of the nation. [For more information, please visit the NSF CHIPS and Science website.](#)

RESEARCH SECURITY – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. [To learn more, please visit the NSF Research Security website.](#)

CONNECT WITH NSF – For more information on NSF's impact in your state, please contact the NSF Office of Legislative and Public Affairs at congressionalteam@nsf.gov.