



U.S. National Science Foundation



2025 marks the 75th anniversary of NSF. Throughout the year, the agency will host in-person and virtual activities to commemorate this significant milestone. For more information, visit: [nsf.gov/75years](https://www.nsf.gov/75years)



ALASKA

● FAST FACTS



\$47,742,000

Total NSF Awards to Alaska



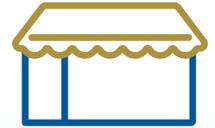
\$42,802,000

Invested in Fundamental Research in Alaska



\$4,940,000

Invested in STEM Education in Alaska



\$913,000

Invested in Alaska Businesses

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

University of Alaska Fairbanks

\$40,792,000

University of Alaska Anchorage

\$1,023,000

● NSF BY THE NUMBERS

The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. To fulfill this vital role, NSF supports basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **268** Nobel Prize winners over 75 years.



\$9.06B

FY 2024 Total Enacted

92% Funds research, education and related activities



11K Awards



1.9K Institutions



358K People

"Data represents FY 2024 Actuals unless otherwise indicated"



www.nsf.gov



INNOVATION | *Generating new knowledge that provides a greater understanding of the world around us*

Through the NSF EPSCoR Research Infrastructure Improvement Program Track-1, the **University of Alaska Fairbanks**, in partnership with the **University of Alaska Anchorage** and the **University of Alaska Southeast**, is building use-inspired research capacity on seaweeds, shellfish and mariculture across Alaska. The research team uses remote sensing, modeling, environmental data, field surveys and lab and field experiments to assess the impact of climate-induced changes on marine resources important to Alaskan industry. It also develops web-based tools to inform adaptive community solutions to sustainably wild-harvest and farm marine species. These solutions are informed by addressing traditional seaweed harvesters' concerns regarding optimal harvest timing and location as well as the effects of increased glacial discharge on seaweed harvest. Additionally, the team engages subsistence harvesters and farmers to characterize changes to community use of marine species. These research efforts span the academic, Tribal, federal, state and private sectors.

EXPANDING FRONTIERS | *Generating institutional capacity, new technologies and societal impact*

The rural AI Solutions and Engagement (RAISE) project is a collaboration between the **University of Alaska Anchorage**, Salisbury University, and Valdosta State University to build sustainable and strategic partnerships centered around Artificial Intelligence (AI) with industry, non-profit, indigenous, and government stakeholders in their respective regions. This project is addressing the challenges rural communities are facing to fully leverage AI by building capacity at each institution to collaborate and partner with the community, strengthen research capabilities, and ultimately develop innovative AI solutions to rural problems. Utilizing these capacities, each institution will leverage AI to advance practical solutions in fields such as agriculture, energy, and education. To achieve this, the University of Alaska is creating the Alaska AI Solutions Consortium that will integrate disparate AI efforts, solicit feedback from the community, and advance research through a mini-grant program which will facilitate use-inspired AI translational research.

EDUCATION AND WORKFORCE | *Supporting our STEM talent of today and tomorrow*

Over a six-year duration, an NSF Scholarships in Science, Technology, Engineering, and Mathematics Program project at the **University of Alaska Fairbanks** is funding scholarships to 40 full-time students who are pursuing bachelor's degrees in geoscience. The project aims to increase degree persistence and graduation rates by embedding scholarship recipients in the Geo Learning Community, which promotes the success of students through cohort building, supplemental instruction, near-peer mentoring and social activities. To increase retention of first- and second-year students, the project also supports their participation in an introductory field course designed to build students' skills and confidence through hands-on projects early in the degree program.

COMPETITIVE RESEARCH

ALASKA is one of 28 U.S. states or territories under the NSF Established Program to Stimulate Competitive Research (EPSCoR). For more information, visit [ALASKA'S EPSCoR state web page](#).

NCSES

The [National Center for Science and Engineering Statistics \(NCSES\)](#) within the U.S. National Science Foundation is the nation's leading provider of statistical data on the U.S. science and engineering enterprise. As a principal federal statistical agency, NCSES conducts nationally representative surveys and publishes objective data and reports on topics related to research and development, the science and engineering workforce, and STEM education. For example, in FY 2024, **Alaska** invested **\$543,000,000** on research and development.

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

LEARN MORE

- **BROUGHT TO YOU BY NSF** – NSF has invested in discoveries, inventions, and innovations that have shaped the modern world, including the internet, 3D printing, American Sign Language, Magnetic Resonance Imaging (MRI), deep sea exploration, Doppler radar and more. For more information on NSF impacts, please visit: [nsf.gov/impacts](https://www.nsf.gov/impacts).
- **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 [NSF's Research Security website](#).
- **FOSTERING INNOVATION** – Every year, NSF funds around 400 companies across nearly all technology areas to create prototypes and commercialize technologies. Learn more at [seedfund.nsf.gov](https://www.seedfund.nsf.gov).