IDAHO

• FY 2021 Fast Facts

- $34,790,000 Total NSF Awards to Idaho
- $30,534,000 Invested in Fundamental Research in Idaho
- $4,256,000 Invested in STEM Education in Idaho

• Top NSF-funded Academic Institutions for FY 2021

- $21,855,000 University of Idaho
- $10,931,000 Boise State University
- $1,265,000 Idaho State University

• NSF By The Numbers

The National Science Foundation (NSF) is an $8.8 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.

- 93% Funds research, education and related activities
- $8.8B FY 2022 Enacted
- 43,600 Proposals evaluated
- 2,000 NSF-funded institutions
- 11,300 Number of awards NSF funds each year
- 318K People NSF supported
- $1.5B STEM education
- $181M To seed public/private partnerships
- 253 NSF-funded Nobel Prize winners
NSF-funded COVID-19 Research and Recovery
Researchers at the University of Idaho will use computational modeling and empirical research to identify animal cell receptors associated with SARS-CoV-2 susceptibility in animal species that may serve as intermediate hosts for the virus between its likely origination in bats and its transmission to humans. By identifying animal populations susceptible to the virus causing the current pandemic, this research will help identify species that could potentially act as conduits for viruses that may cause future outbreaks.

STEM Education & Broadening Participation
A project funded by NSF’s Advancing Informal STEM Learning, or AISL, program and led by the Nez Perce Tribe will support and study climate science learning experiences grounded in traditional ecological knowledge, culturally relevant pedagogy and land education pedagogy. The tribal research team will collaborate with curriculum developers and Indigenous graduate students from the University of Idaho and Northwest Youth Corps to explore how a STEM curriculum — centered on cultural identity and traditional knowledge — can align with Indigenous youths’ identities, resource responsibilities and understanding and interest in STEM career pathways within the tribe and in the region. As part of its overall strategy to enhance learning in informal environments, the AISL program seeks to advance new approaches to, and evidence-based understanding of, the design and development of STEM learning in informal environments.

Research Driving Innovation
With support from NSF’s Mid-scale Research Infrastructure-1, or Mid-scale RI-1, program, the University of Idaho is leading the implementation of the Deep Soil Ecotron facility. The facility will provide research infrastructure the U.S. currently lacks, accelerate research on deep soils and the role these soils play in the broader biosphere, and lead to the development of novel technologies aimed at assessing belowground structure and function. Additionally, the Deep Soil Ecotron will serve as the central hub for a network of researchers from NSF’s Established Program to Stimulate Competitive Research, who are focused on questions related to deep soils. The goal of NSF’s Mid-scale RI-1 program is to fulfill a community-defined need to enable current and next-generation U.S. researchers to be competitive in a global research environment.

Learn More
COVID RELIEF - Congress provided NSF with funding to prevent, prepare for, and respond to COVID-19 in the CARES Act of 2020 and the American Rescue Plan (ARP) Act of 2021. For more information on NSF-funded COVID-19 research and recovery, visit NSF’s award database for CARES Act and ARP awards, and NSF’s Toolkit for COVID funding updates.

EPSCoR
COMPETITIVE RESEARCH | Idaho is one of 28 U.S. states or territories under NSF’s Established Program to Stimulate Competitive Research (EPSCoR). Over $12,380,000 in awards have been made to Idaho academic institutions through EPSCoR in FY 2021. For more information, visit Idaho’s EPSCoR state web page.

NCSES
According to the National Center for Science and Engineering Statistics (NCSES), which is housed in NSF, 36% of Science, Engineering and Health doctorates conferred in Idaho are made in Life sciences.

- 4.34% of Idaho’s workforce are employed in S&E occupations.
- 27.62% of Idaho’s higher education degrees are concentrated in S&E fields.

NSF FACT SHEETS – NSF provides fact sheets about the agency and its bold investments in basic research. These fact sheets profile NSF investments in research across all fields of science and engineering, including quantum, artificial intelligence, and advanced manufacturing, and the NSF-supported research and computing infrastructure powering the U.S. response to COVID-19.

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