



America's Seed Fund: SBIR/STTR Funding Opportunities for Water Nanotechnologies

August 2022

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America's Seed Fund:

Seeding innovation through U.S. small businesses

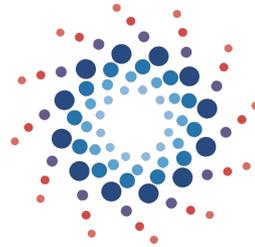
- Provides early-stage capital to support technology innovation and commercialization
- Two competitive award programs:
 1. Small Business Innovation Research (SBIR)
 2. Small Business Technology Transfer (STTR)
- Congressionally mandated: Federal agencies set aside small % of their R&D budget
- Coordinated by the SBA



U.S. Small Business
Administration



Participating federal agencies



**AMERICA'S
SEED FUND**
SBIR • STTR

Powered by _____

National
Science
Foundation
(NSF)

Department of
Agriculture
(USDA)

Department of
Commerce
(DOC)
NIST, NOAA

Department of
Defense
(DOD)

Department of
Education (Ed)

National Aeronautics
and Space
Administration
(NASA)

Department of Energy
(DOE)

Dept of Health and
Human Services
(HHS)
NIH, FDA, CDC, ACL

Department of
Homeland Security
(DHS)

Department of
Transportation
(DOT)

Environmental
Protection Agency
(EPA)



America's Seed Fund:

Seeding innovation through U.S. small businesses

Program goals:

- Stimulate technological innovation
- Meet Federal R&D needs
- Increase private-sector commercialization of innovations derived from Federal R&D funding
- Encourage women and socially/economically disadvantaged individuals to participate in innovation and entrepreneurship



What is a Small Business?

- The company:
 - For-profit
 - U.S. owned/operated
 - Employ under 500 people
- The project
 - Work must be done in the U.S
 - Funds are for research and development



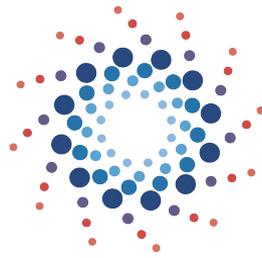
Program Structure: Three Phase Process



Differences between SBIR and STTR

	SBIR	STTR
Partnering Requirement	Permits partnering	Requires a non-profit research institution partner
Principal Investigator	Primary employment (>50%) must be with the small business	PI may be employed by either the research institution partner or small business
Work Requirement	May subcontract up to: 33% (Phase I) 50% (Phase II)	Minimum: 40% Small Business 30% Research Institution Partner
Majority VC ownership	Allowed by some agencies	Not allowed





**AMERICA'S
SEED FUND**
— SBIR —

POWERED BY



America's Seed Fund powered by NOAA:

Small Business Innovation Research (SBIR) Program

National Oceanic and Atmospheric Administration (NOAA)



Science

Understand and predict changes in climate, weather, oceans, and coasts

Service

Share that knowledge and information with others

Stewardship

Conserve and manage coastal and marine ecosystems and resources



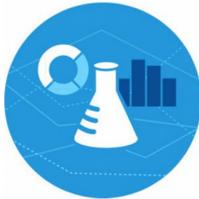
SBIR at NOAA



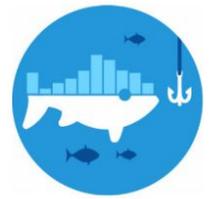
Weather



Climate



Research



Fisheries



Marine & Aviation



Charting



Oceans & Coasts



Sanctuaries



Education



Satellites

NOAA's SBIR program seeks proposals for **highly innovative** products and services with **strong commercial potential** that fit within the **NOAA mission areas.**



FY22 Topic Areas

NOAA's four main goals:

- Climate Adaptation and Mitigation
- Weather-Ready Nation
- Healthy Oceans
- Resilient Coastal Communities and Economies

*Past requests for proposals and previously funded projects with abstracts are available on our website.



Water nanotechnology

- Improved coastal water quality supporting human health and coastal ecosystems
- Sustainable fisheries and safe seafood for healthy populations and vibrant communities
- Improved freshwater resource management
- Healthy habitats that sustain resilient and thriving marine resources and communities
- Healthy people and communities due to improved air and water quality services
- Recovered and healthy marine and coastal species



NOAA SBIR Fit: Letter of Intent



Program Overview

Estimated Annual Budget: ~\$11M

Applications open: Fall

Award type: Grants

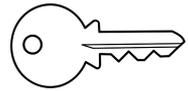
Proposals due: Late Winter

Solicitations per FY: One per phase

Apply on [Grants.gov](https://www.grants.gov)



NOAA SBIR Tips for Success



Science, Innovation, Commercialization, Team



Read and follow the instructions.



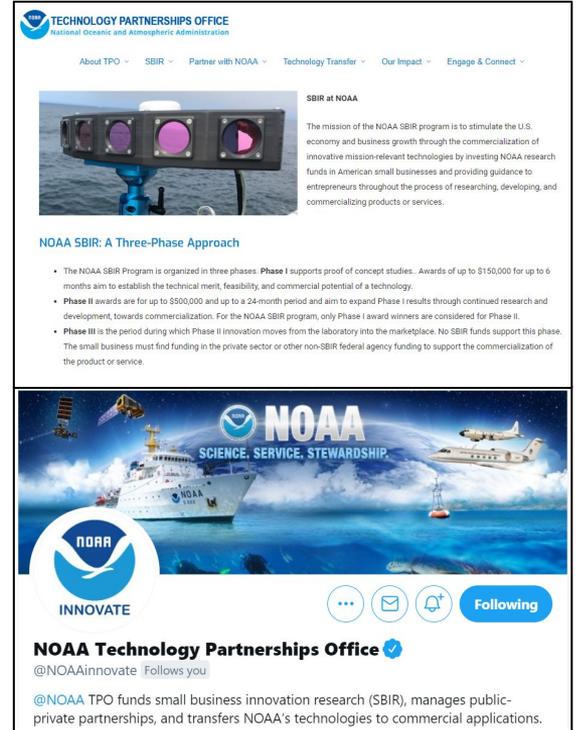
Get started early and submit early.



Know the agency specifics.

Connect with us

- Email us at noaa.sbir@noaa.gov
- NOAA SBIR website: techpartnerships.noaa.gov/sbir
- We are developing more resources and training opportunities
- Follow the NOAA Technology Partnerships Office on [LinkedIn](#) and on [Twitter](#) @NOAAinnovate
- genevieve.lind@noaa.gov



The image shows two screenshots. The top screenshot is from the NOAA Technology Partnerships Office website, featuring a navigation menu with links like 'About TPO', 'SBIR', 'Partner with NOAA', 'Technology Transfer', 'Our Impact', and 'Engage & Connect'. Below the menu is a photo of a scientific instrument on a boat, with the text 'SBIR at NOAA' and a paragraph describing the program's mission. Underneath is a section titled 'NOAA SBIR: A Three-Phase Approach' with a bulleted list of details about the program's phases and funding. The bottom screenshot is a Twitter profile for 'NOAA Technology Partnerships Office' (@NOAAinnovate), showing the NOAA logo, a bio, and a 'Following' button.



NOAA Summary Table

Program name	NOAA SBIR Program
URL	https://techpartnerships.noaa.gov/sbir/
Contact Information	genevieve.lind@noaa.gov noaa.sbir@noaa.gov
Next deadline	Fall 2023
Mechanisms funded	SBIR grants: Phase I, Phase II
Award amounts	Phase I: \$150K Phase II: \$500K

