



Introduction to the NOAA Technology Partnerships Office

Michael Kruk

Deputy Director



NOAA
TECHNOLOGY
PARTNERSHIPS OFFICE

TPO: Mission and Vision



- Foster innovation and economic growth
- Transition research from lab to public
- Protect federal intellectual property
- Partner with private-sector innovators

TPO's programs are central to NOAA's innovation ecosystem



NOAA
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Small Business Innovation Research
(SBIR) Program

Technology Transfer Program





What is SBIR?

Congressionally mandated set-aside for small businesses to engage in federal R&D with potential for commercialization

Program Goals:

- Meet federal **research and development** needs
- Increase private-sector **commercialization** of innovation derived from federal research and development funding
- Stimulate technological **innovation**

Established in 1982 to give small businesses the chance to participate in federal research and development. Scheduled to be sunsetted on September 30, 2025 unless Congress acts soon.





Applicant Eligibility

- A Small Business Concern (SBC) or Company must be for profit, U.S. owned/operated, and less than 500 employees
- Proposed work must be done in the U.S.
- Focus on performing R&D, which will lead to a commercial product or service



NOAA's Mission Areas



Weather



Climate



Oceans & Coasts



Fisheries



Satellites



Research



Marine & Aviation



Charting



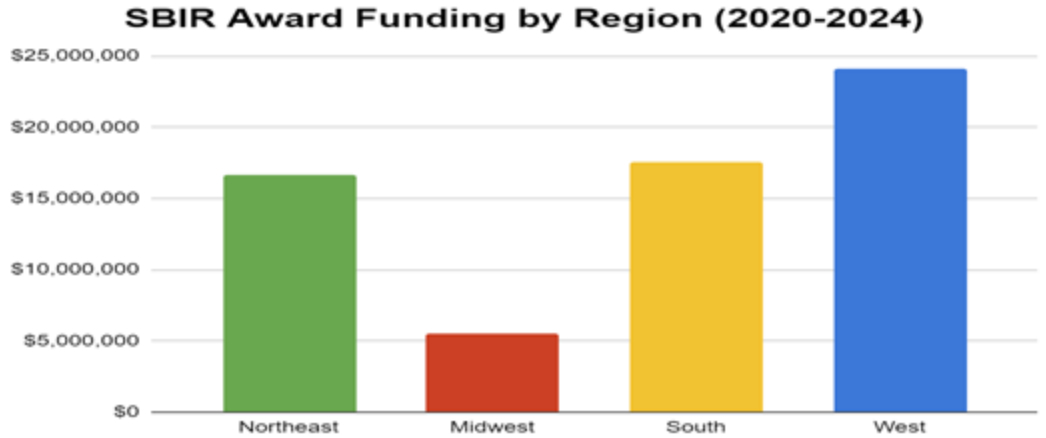
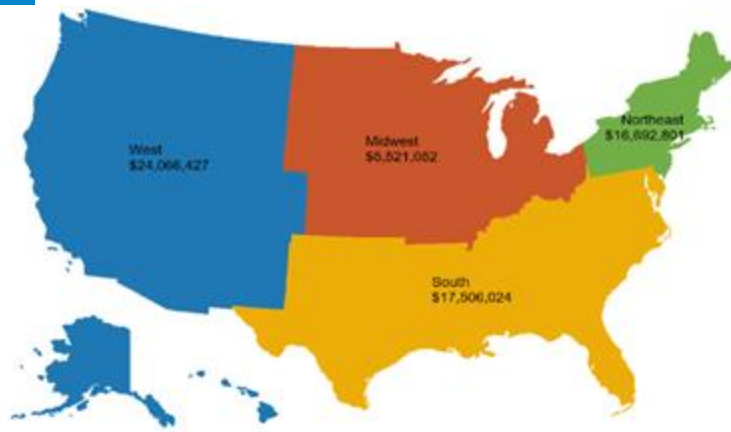
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Education

Program Structure: Three Phase Process





<u>Northeast:</u> Connecticut (CT), Maine (ME), Massachusetts (MA), New Hampshire (NH), Rhode Island (RI), Vermont (VT), New Jersey (NJ), New York (NY), and Philadelphia (PA)	Total Funding (FYs 20-24): \$16,692,801.00	Total # Awarded (FYs 20-24): 51
<u>Midwest:</u> Illinois (IL), Indiana (IN), Michigan (MI), Ohio (OH), Wisconsin (WI), Iowa (IA), Kansas (KS), Minnesota (MN), Missouri (MO), Nebraska (NE), N. Dakota (ND), S. Dakota (SD)	Total Funding (FYs 20-24): \$5,521,052.00	Total # Awarded (FYs 20-24): 20
<u>South:</u> Delaware (DE), Florida (FL), Georgia (GA), Maryland (MD), N.Carolina (NC), S. Carolina (SC), Virginia (VA), Washington D.C (DC), West Virginia (WV), Alabama (AL), Kentucky (KY), Mississippi (MS), Tennessee (TN), Arkansas (AR), Lousiana (LA), Oklahoma(OK), Texas (TX)	Total Funding (FYs 20-24): \$17,506,024.04	Total # Awarded (FYs 20-24): 58
<u>West:</u> Arizona (AZ), Colorado (CO), Idaho (ID), Montana (MT), Nevada (NV), New Mexico (NM), Utah (UT), Wyoming (WY), Alaska (AK), California (CA), Hawaii (HI), Oregon (OR), Washington (WA)	Total Funding (FYs 20-24): \$24,066,427.00	Total # Awarded (FYs 20-24): 77

SBIR technologies are available for sole source procurement



- View available technologies:
 - [NOAA Technology Marketplace](#)
 - [SBIR.gov](#)
- Participate in events to learn about available technologies

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Technology Transfer Program

Technology Transfer:

Increasing the impact of public investments in NOAA science

- Tech transfer means moving intellectual property from within NOAA to a secondary external user
 - Managing intellectual property, i.e. licenses (including open source), patents
 - Facilitating R&D partnership agreements
 - “Lab to market”
- Goal is to promote increased commercialization and use of NOAA’s innovative technologies
- NOAA employees must disclose new technologies to TPO





Transitioning research from the lab to the public



- **Protecting federal intellectual property helps NOAA ensure that our innovations are used and further developed in ways that best serve the U.S. public**
- TPO helps assess the commercial potential of NOAA inventions and transition technologies to the private sector
- Tools include licenses, open-source agreements, and patents



Cooperative Research and Development Agreements (CRADAs)

- CRADA = a written agreement between a private company and a NOAA Lab, Center, or Office to work together on a project.
- One of the principal mechanisms used by NOAA to collaborate with non-federal partners to achieve the goals of technology transfer.



Examples of NOAA CRADAs

- Tomorrow.io - Testing new satellite data to see if the data can benefit NOAA operations



- Microsoft - Testing of microsoft's ground systems to ping NOAA spacecraft



- Saildrone - Worked with Saildrone to improve and test their technology



- Google - Big data project pilot



How to begin a CRADA partnership

- Interested in starting a CRADA? Reach out to t2.noaa@noaa.gov
- The NOAA Tech Transfer team will provide guidance on whether the CRADA is the best option and next steps
- Learn more about CRADAs on the TPO website



[About TPO](#) - [SBIIR](#) - [Partner with NOAA](#) - [Technology Transfer](#) - [Our Impact](#) - [Engage & Connect](#)

CRADA Partnerships Frequently Asked Questions

- » [Why use a CRADA?](#)
- » [How is a CRADA different than an MOU or a Contract?](#)
- » [How do I Get Started?](#)
- » [What is the Review and Signature Process for a CRADA?](#)
- » [Does NOAA Allow Multi-Lab or NOAA-wide CRADAs?](#)
- » [Can I use a previous CRADA template?](#)
- » [Can the CRADA template be modified?](#)
- » [How long does it take to get a CRADA in place?](#)
- » [Can a NOAA lab receive and retain funds from a CRADA partner?](#)
- » [Is there reporting required for a CRADA?](#)
- » [How long do CRADAs last?](#)
- » [Can CRADAs be amended and/or extended?](#)
- » [Does a CRADA work as a sole source justification?](#)
- » [Can I have a CRADA and a Contract or a Grant with the same company?](#)

<https://techpartnerships.noaa.gov/partner-with-noaa/partnership-faqs/>



View NOAA's ongoing CRADAs on TPO's website

<https://techpartnerships.noaa.gov/partner-with-noaa/noaa-crada-partnerships/>



About TPO ▾ SBIR ▾ Partner with NOAA ▾ Technology Transfer ▾ Our Impact ▾ Engage & Connect ▾ 🔍

NOAA CRADA Partnerships

Public-private partnerships are vital for bringing private sector innovation and agility into NOAA's research and development enterprise. One of the key tools in NOAA's partnership toolkit is the CRADA, or Cooperative Research and Development Agreement. Learn more about CRADAs [here](#) and search NOAA's active CRADA partnerships below:

Search

Search Partnerships... 🔍

Sort

Sort by Start Date ▾

Partnership by Category

- ☐ Oceans (6)
- ☐ Fisheries (5)
- ☐ Satellites (3)
- ☐ Data (2)
- ☐ Uncrewed Systems (2)

See

2

[more](#)

Partnership by Type



Community Offshore Wind Environmental Monitoring Programs

Community Offshore Wind and NOAA Northeast Fisheries Science Center

08/03/2023 – 08/03/2028



NDBC & Sofar Partnership for Ocean Observation Innovation

Sofar Ocean and NOAA National Data Buoy Center

04/13/2023 – 12/31/2026



Improving Modeling of Oceans, Atmosphere, and Climate

Intel, Inc. and NOAA Geophysical Fluid Dynamics Lab

05/03/2023 – 05/03/2028



Shellfish Laboratory Space – NWFSC

Pacific Hybreed, Inc. and NOAA Northwest Fisheries Science Center



Offshore Wind and Ecosystem Science

University of Rhode Island and NOAA Northeast Fisheries Science Center



PROTEUS™ Underwater Saturation Facility

Proteus Ocean Group and NOAA National Data Buoy Center

04/13/2023 – 04/13/2026



Concluding Remarks

Technology Transfer mechanisms are meant to **empower** research to have the broadest impact possible. Technology transfer mechanisms such as CRADAs are a way to do more by accessing others' expertise and resources outside of traditional procurement style contracts. They are like a MOU on steroids. **TPO is a science support function that provides all these mechanisms at no additional cost to you.** We do the work so you can have increased capacity.

Connect with us

- Email us at noaa.t2@noaa.gov or noaa.sbir@noaa.gov for specific questions about our programs.
- Visit our website: techpartnerships.noaa.gov
 - Browse the NOAA Technology Marketplace
 - Read NOAA SBIR success stories
 - Learn more about NOAA's CRADA partnerships
- Follow the NOAA Technology Partnerships Office on [LinkedIn](#) and on X [@NOAAinnovate](#).

