SBIR/STTR Programs: Seeding America's Innovations

Small Business Innovation Research &
Small Business Technology Transfer
(SBIR/STTR)

www.sbir.gov

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Mission of the SBIR and STTR Programs

> To support scientific excellence and technological innovation through the investment of Federal research funds in critical American priorities to build a strong national economy… one small business at a time

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Small Business Innovation Research (SBIR)

- Set-aside program for small business to engage in Federal R&D with potential for commercialization
- 3.2% of the extramural research budget for agencies with a budget greater than $100M per year

$2.2 billion set-aside each year

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Small Business Technology Transfer (STTR)

- Parallel set-aside program to facilitate cooperative R&D between small businesses and U.S. research institutions – with potential for commercialization

- 0.45% of the extramural research budget for agencies with a budget greater than $1B per year

$290 million set-aside each year

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Program Goals

- Meet Federal **research and development needs**
- Increase private-sector **commercialization** of innovation derived from Federal research and development funding
- Stimulate technological **innovation**
- Foster and encourage **participation** in innovation and entrepreneurship by socially and economically disadvantaged persons
- Foster **technology transfer** through cooperative R&D between small businesses and research institutions (STTR)

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Why We Work on America's Seed Fund

www.sbir.gov/news/testimonials

Front row seat to the future...

SBIR/STTR is a Gated Process w/ Three Phases

Phase I
Concept Development
6 months – 1 year
~ $150,000

Phase II
Prototype Development
24 months
~ $1,000,000

Phase III
Commercialization
No SBIR funding

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Who Qualifies as a Small Business?

- Organized as for-profit U.S. business
- 500 or fewer employees including affiliates
- Work must be done in the U.S.
- Greater than 50% U.S.-owned by individuals and independently operated

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Principal Investigator (PI)

- Must be employed by the SBC (SBIR/STTR) or partnering research institution (STTR) at **time of award**
- Should have appropriate expertise to oversee project scientifically and technically
- Is **not** required to have a Ph.D./M.D.

Differences Between SBIR and STTR

	SBIR	STTR
Partnering Requirement	**Permits** partnering	**Requires** a non-profit research institution partner

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Participating Agencies	11 agencies (extramural R&D budget > $100M)	5 agencies (extramural R&D budget > $1B)

The small business is ALWAYS the applicant and awardee!

Agencies that Participate in SBIR & STTR

Department of Agriculture (USDA)	Department of Commerce (DoC) NIST, NOAA	Department of Defense (DoD)	Department of Education (ED)
Department of Energy (DOE)	Department of Health and Human Services (HHS)	Department of Homeland Security (DHS)	Department of Transportation (DOT)
Environmental Protection Agency (EPA)	National Aeronautics and Space Administration (NASA)	National Science Foundation (NSF)	

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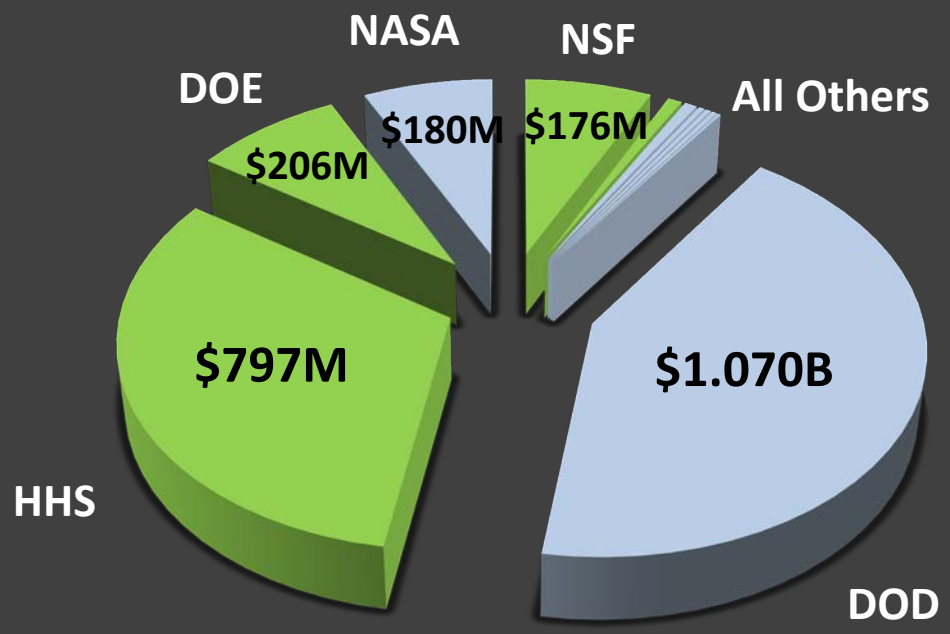
SBIR/STTR Budget by Agency, FY2015

Agencies with SBIR/STTR Programs	Budget
Department of Defense (DOD)	$ 1.070 B
Department of Health and Human Services (HHS), including the National Institutes of Health (NIH)*	$797.0 M
Department of Energy (DOE), including Advanced Research Projects Agency – Energy (ARPA-E)	$206.1M
National Aeronautics and Space Administration (NASA)	$ 180.1 M
National Science Foundation (NSF)	$176.0 M

Agencies with SBIR Programs	Budget
U.S. Department of Agriculture (USDA)	$20.3M
Department of Homeland Security (DHS): Science and Technology Directorate (S&T) and Domestic Nuclear Detection Office (DNDO)	$17.7 M
Department of Commerce*: National Oceanic and Atmospheric Administration (NOAA) and National Institute of Standards and Technology (NIST)	$8.4M
Department of Transportation (DOT)	$7.9 M
Department of Education (ED)	$7.5 M
Environmental Protection Agency (EPA)	$4.2 M

* Provides grants and contracts



$2.25B SBIR
$296M STTR

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Typical Application Process

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Required Registrations Vary by Agency

	NASA	HHS	NSF	DOE	DOD
DUNS	x	x	x	x	x
SAM.gov	x	x	x	x	x
Company Registry (SBIR.gov)	x	x	x	x	x
Grants.gov		x		x	
eRA Commons		x			
Electronic Handbook (EHB)	x				
NSF FastLane			x		
Portfolio Analysis and Management System (PAMS)				x	
fedconnect.net				x	
Funding Accountability and Transparency Act Sub-award Reporting System				x	
DoD Submission Website					x

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LEARN ABOUT

- Overview
- Policy Directive
- Authorization Act
- Intellectual Property
- Commercialization Successes
- FAQs
- Performance Benchmarks
- Participating Agencies
- How to Apply
- Report Fraud, Waste & Abuse

I'M A(AN)...

- Applicant
- Awardee
- Investor
- Large Business
- Agency Representative

I WANT TO...

- START A SMALL BUSINESS
- REGISTER MY COMPANY
- UPDATE MY COMPANY PROFILE/COMMERCIALIZATION
- SUBSCRIBE TO SOLICITATION POSTINGS
- CONTACT AN SBIR AGENCY
- SUBMIT AN SBIR/STTR RELATED EVENT
- FILE FOR IP PROTECTION
- LEARN MORE ABOUT GLOBAL INNOVATION EXCHANGE
- VIEW SELF HELP ONLINE TUTORIALS

STATE SERVICES

Locate Closest Resources & Events

Select state ...

NEWS

Jazz Up Your Knowledge of NIH at the Spring 2017 NIH Regional Seminar in New Orleans

SBIR Pulse: 2016 Tibbetts Awards Special Edition (Q&A with EnChroma CEO and

NASA Small Business @NASA_OSBP

#NASA #LaRC RFP Environmental Support Services (ESS). Women-Owned #SmallBiz Set-Aside. NAICS 541620. Due 5/1/17. goo.gl/pFkAWP

SBIR/STTR Program Retweeted

SBIR/STTR Program @sbirgov

On April 4th @SBAgov & @Microsoft have teamed up for a webinar on the #SBIR/STTR programs Join us!

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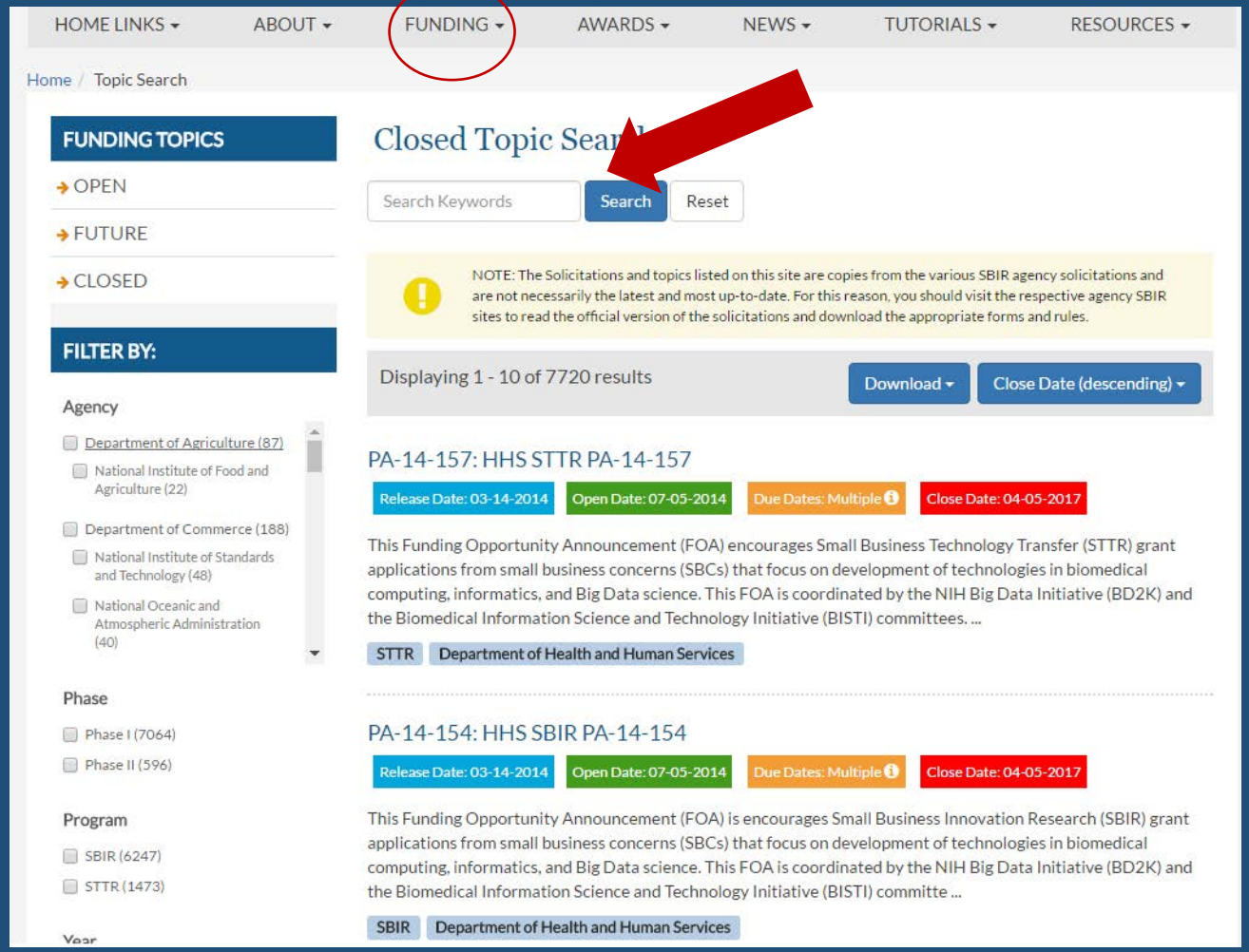
Where to the Begin? – Topic Searches



- → Topic Searches
  - → Keyword searches – **Learn which agencies fund your technology!**

www.sbir.gov/sbirsearch/topic/past

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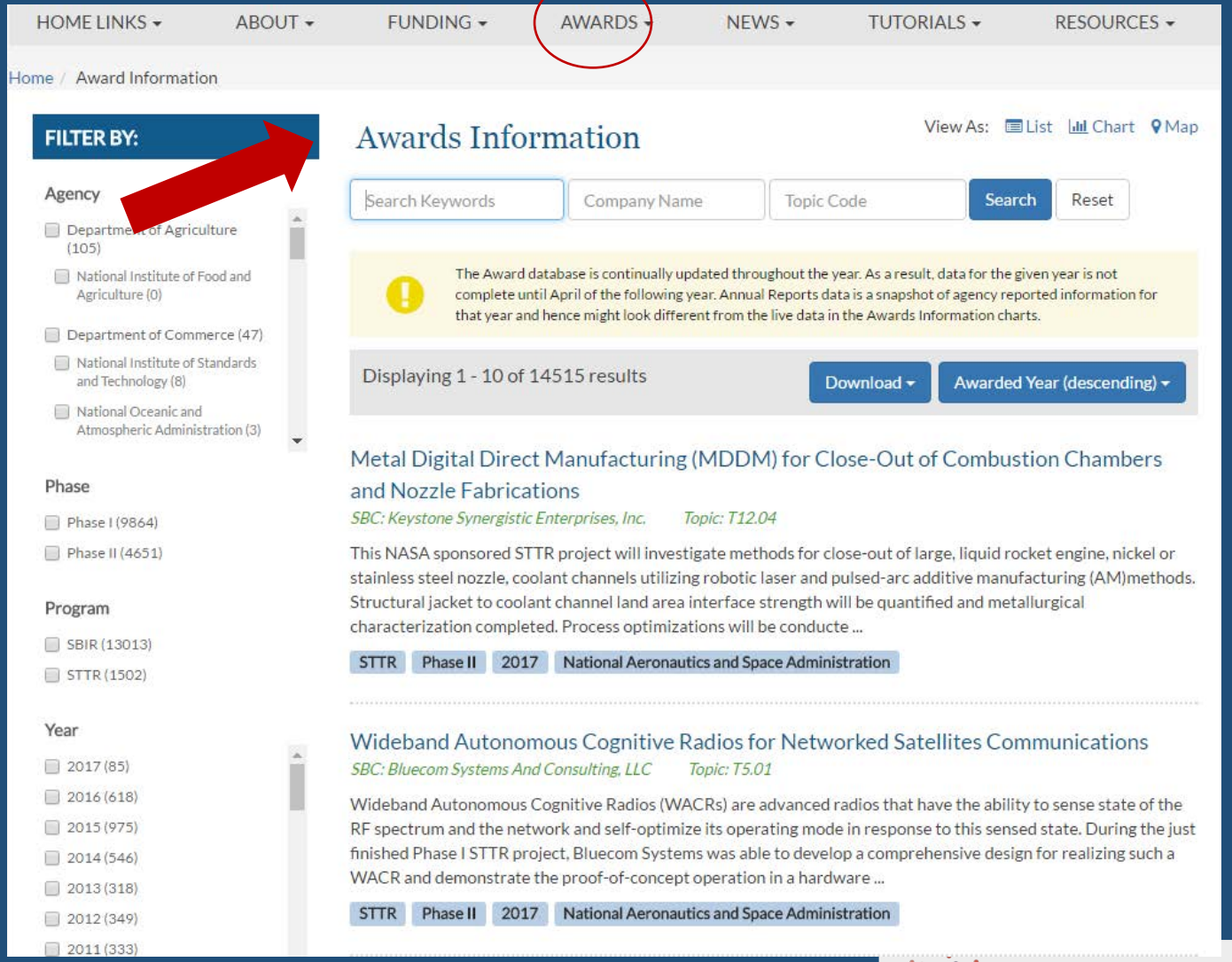
Where to the Begin? – Award Searches

- Keyword Award searches –
  - **Identify successful firms**
  - **Identify agency investments in technology areas**



www.sbir.gov/sbirsearch/award/all

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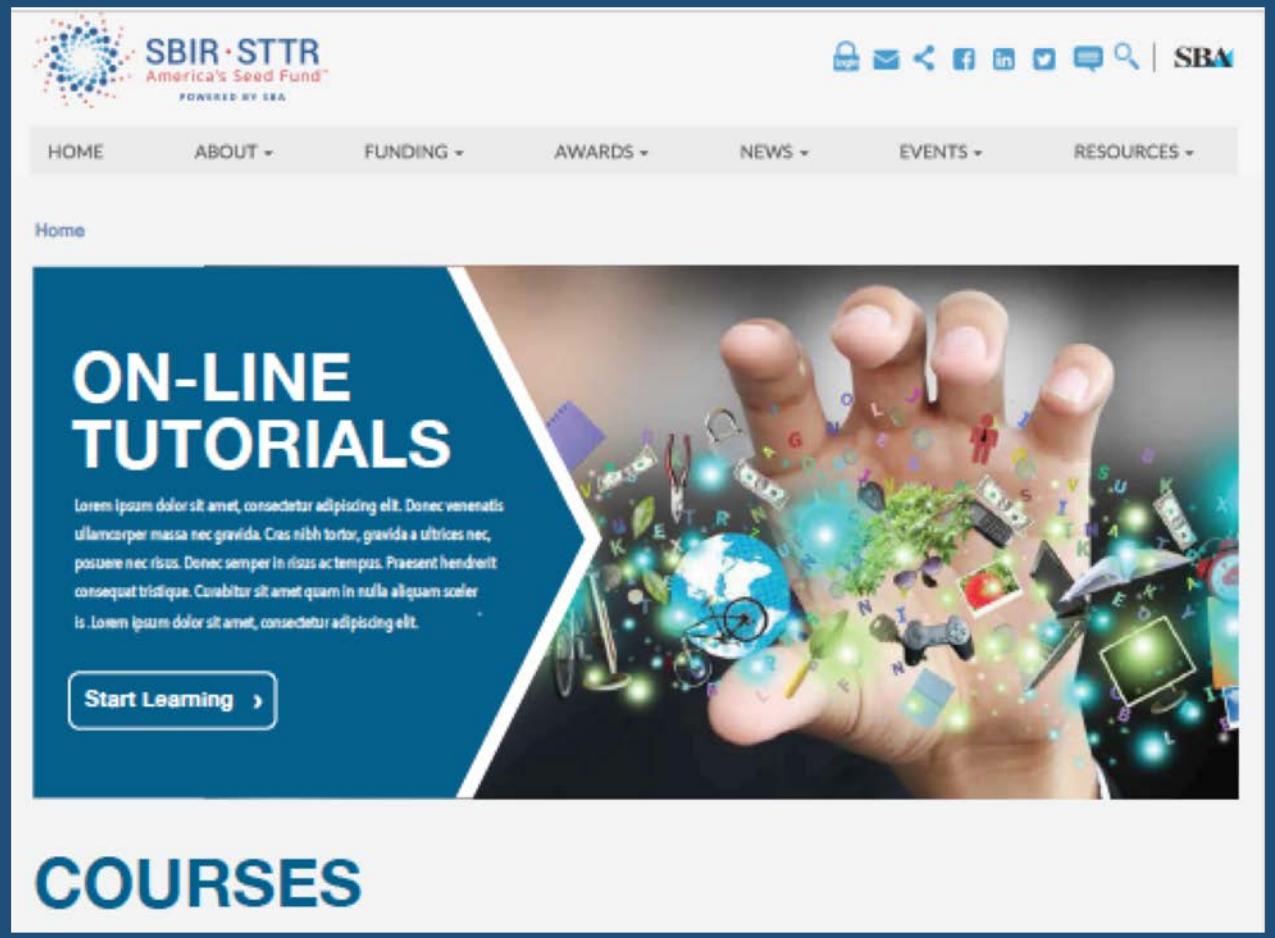
On-line Tutorials



- → Open to everyone
- → For those interested in learning more about SBIR/STTR
- → Agency Introductions
- → Program Basics
- → 11 Modules

www.sbir.gov/tutorials

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Connect to Your Network of Local Support

- → SBA District Offices
- → Small Business Development Centers (SBDCs)
- → Procurement Technical Assistance Centers (PTACs)
- → Women's Business Centers
- → SCORE Business Mentors
- → Veterans Business Outreach Centers (VBOCs)

www.sba.gov/tools/local-assistance

Stay In Touch

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