ANNUAL CONFERENCE

EPSCoR Updates

DART Annual Conference 2023

Brief History of Arkansas NSF EPSCoR

EPSCoR First Established in 1979

Mission to build the research competitiveness and STEM capacity of each jurisdiction using investments in research capacity, workforce development, and local infrastructure.

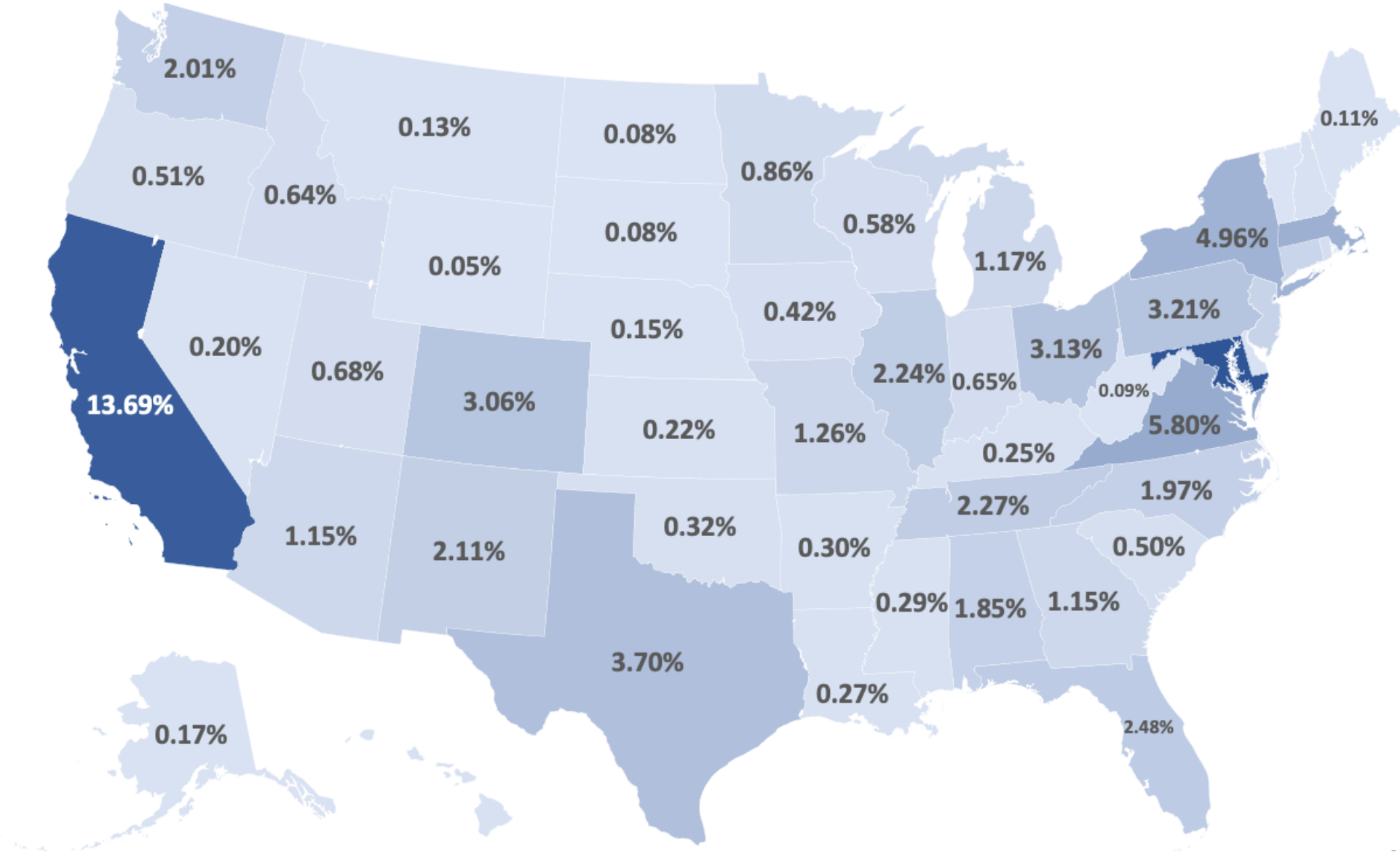
A Measure of Success

Arkansas has successfully competed for and been awarded EPSCoR Track-1 awards since the inaugural award.

Track-1 Project Administration

Determined by the State EPSCoR Committee (Science Advisory Committee - SAC) and administered from ASTA / AEDC / Department of Commerce. We are the only state that administers the Track-1 projects from a state government agency.

FY20 Federal R&D Obligations by State

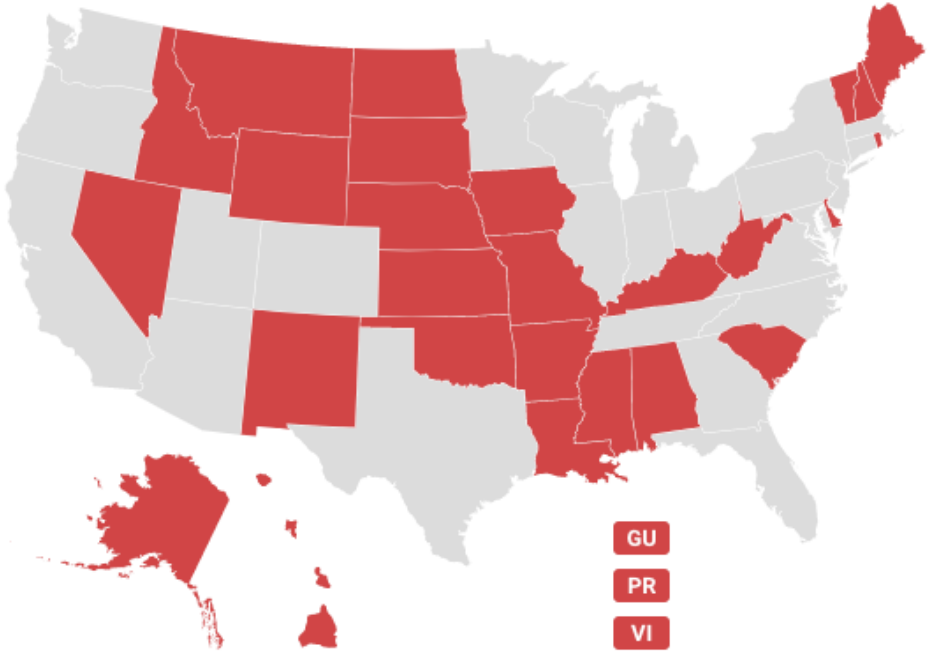


Eligible Jurisdictions

The highlighted states and territories all have EPSCoR or IDeA programs.

More information about each eligible state/jurisdiction.

Track EPSCoR/IDeA eligibility by federal agency.



Participating Agencies

EPSCoR or EPSCoR-like programs exist at several federal agencies:

NSF

Department of Energy

USDA

NASA

NIH

Department of Defense

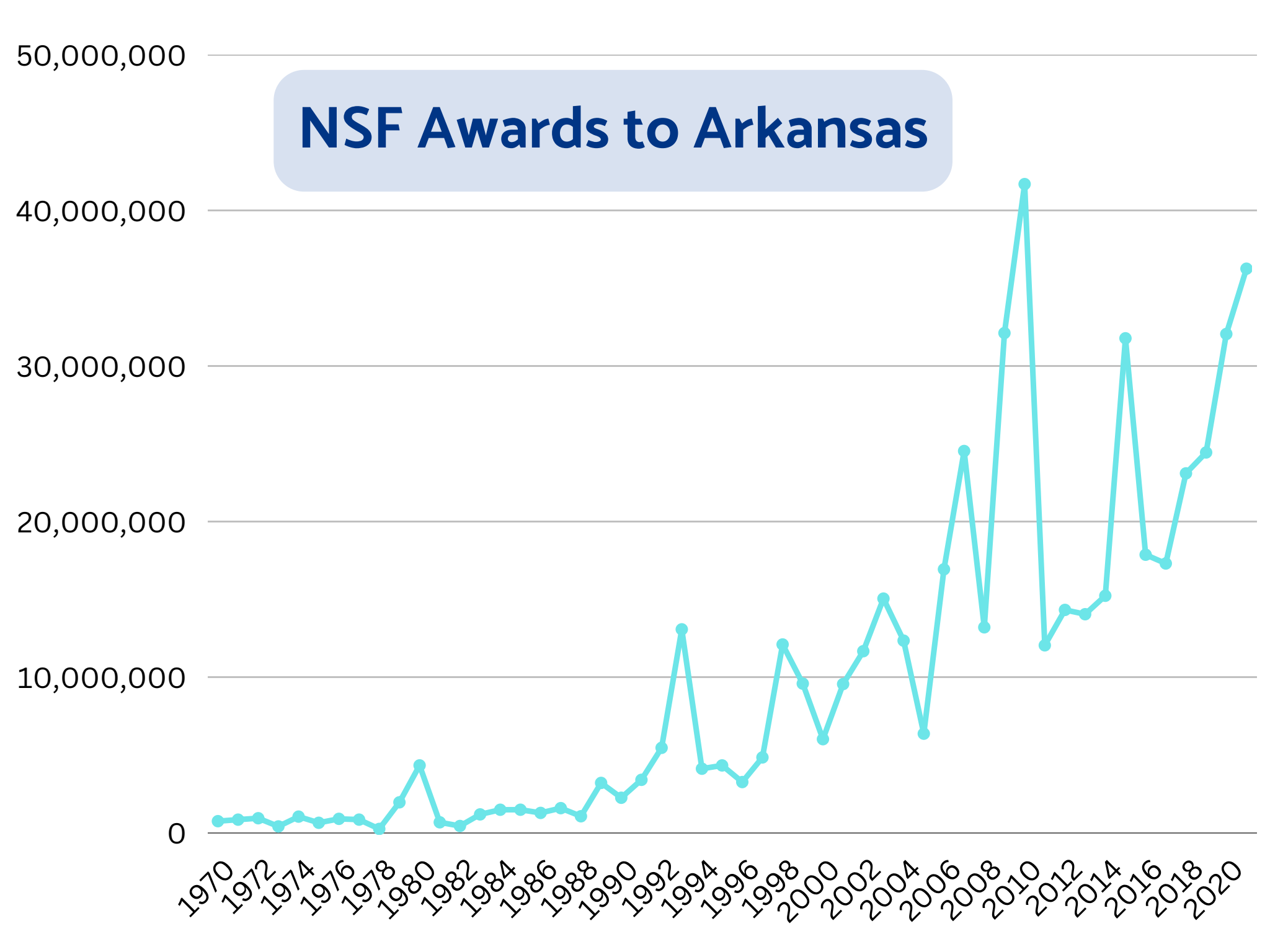
Envisioning the Future of NSF EPSCoR

COMMITTEE ON THE FUTURE OF NSF EPSCoR

FINAL REPORT

August 2022

- New solicitation language will be announced in May
- Lots more money available through CHIPS act
- Next AR Track-1 will be submitted summer of 2024
- Likely no-cost extension through 2026 for DART


NSF Awards to Arkansas
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
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1996
1998
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2004
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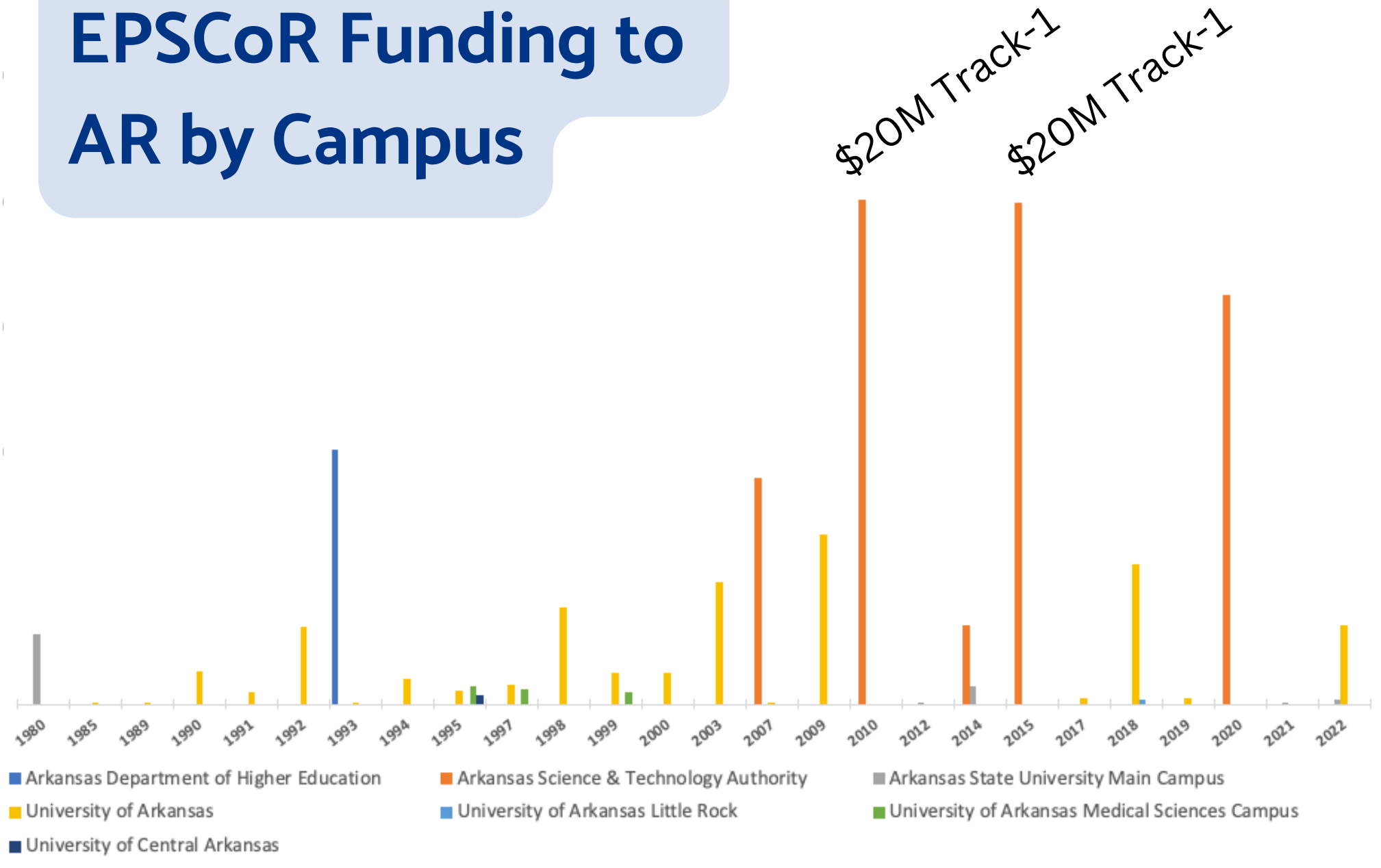
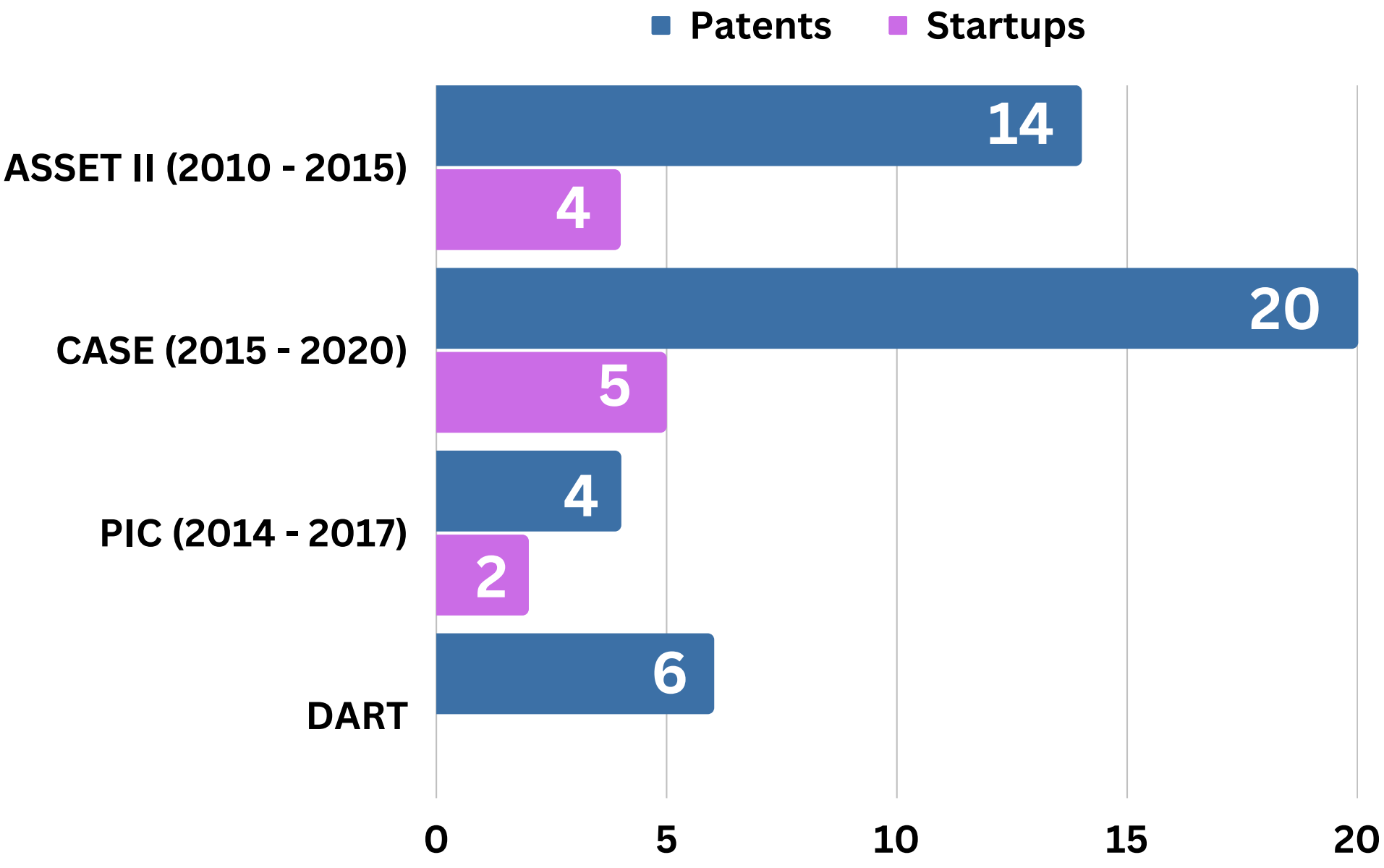
2008
2010
2012
2014
2016
2018
2020

EPSCoR Funding to AR by Campus

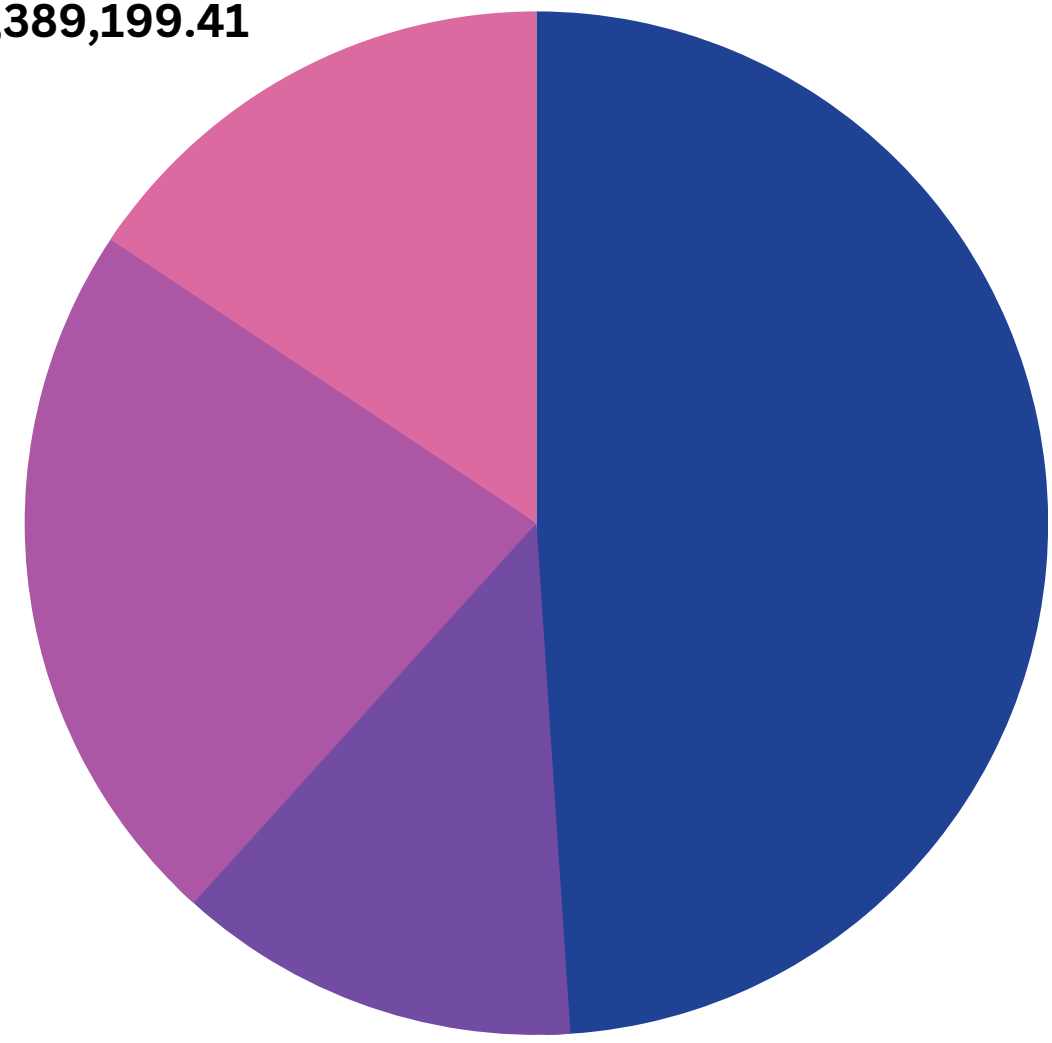


EPSCoR & Innovation

Patents & Startups by Project



Additional Funds Secured by Project



As of March 2023

Little Rock, Ark. (July 18, 2022) - Recent data from the National Science Foundation (NSF) shows that Arkansas now ranks No. 1 in the number of national I-Corps teams among the 28 states and U.S. territories, including Guam, Puerto Rico and U.S. Virgin Islands, eligible for the Established Program to Stimulate Competitive Research (EPSCoR) funding. Previously, Arkansas was ranked No. 16, climbing 15 positions to the No. 1 spot in the past two years.

Among EPSCoR-eligible states, Arkansas now has nearly twice as many teams as No.-2 ranked Alabama and is ranked No. 15 among all states, regardless of EPSCoR funding. This ranking is up from No. 43 in recent years and surpasses states such as Colorado, Arizona and Virginia.

FY20 Investments in EPSCoR Jurisdictions

- NSF EPSCoR invested $191.57M (~2%)
- Other NSF Programs invested $982.64M
- Combined = 13% of NSF's FY20 $8.8B Budget
- CHIPS+ Act increase EPSCoR investment to 20% of NSF Budget by 2030

NATIONAL SCIENCE BOARD

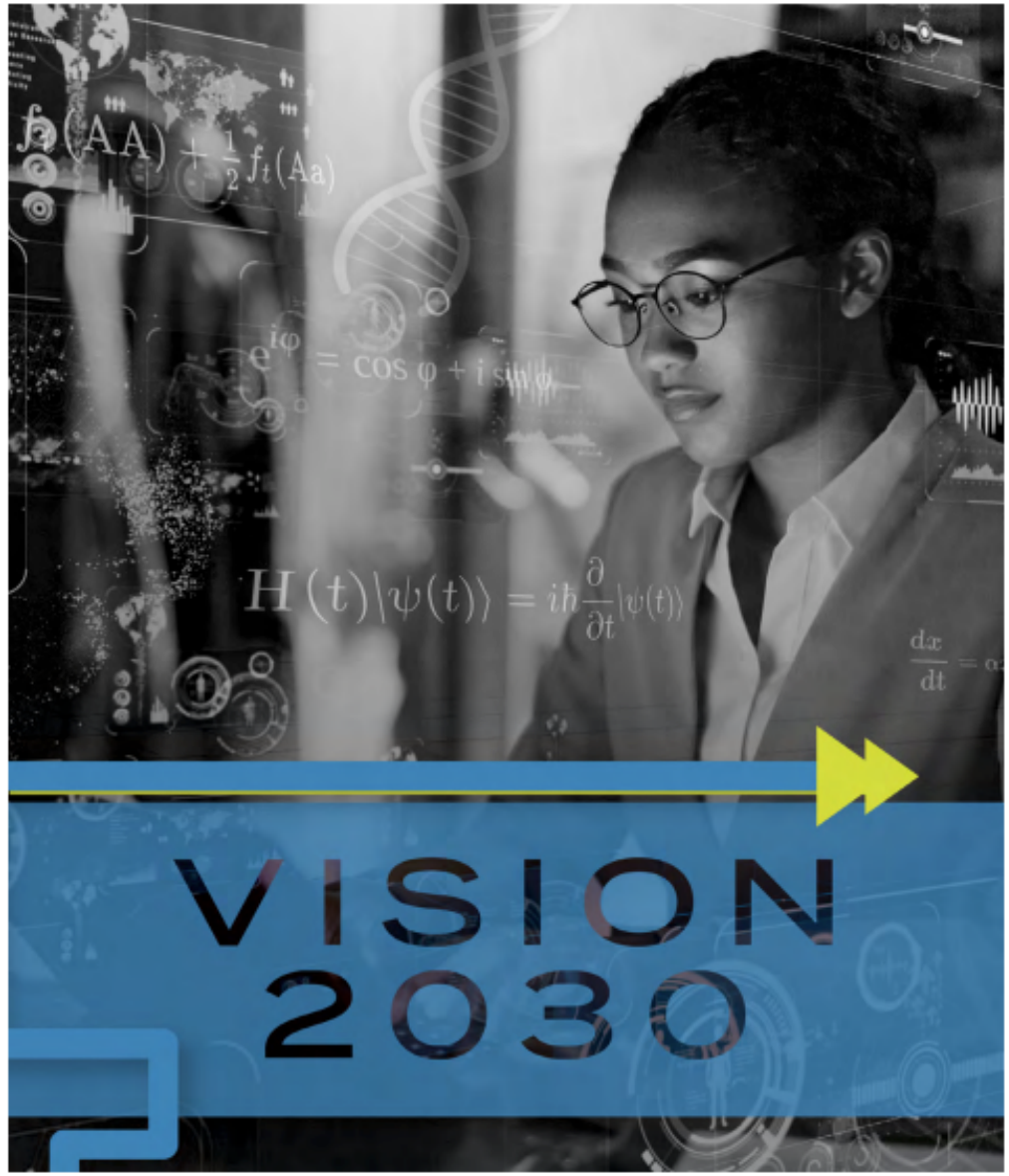
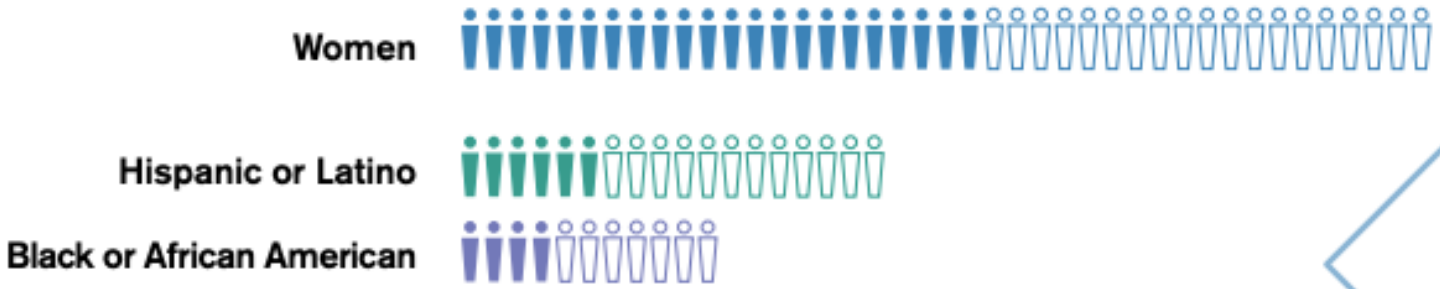


FIGURE 2: MISSING MILLIONS: FASTER PROGRESS IN INCREASING DIVERSITY NEEDED TO REDUCE SIGNIFICANT TALENT GAP

While the number of people from under-represented groups in the S&E workforce has grown over the past decade, much faster increases will be needed for the S&E workforce to be representative of the U.S. population in 2030. To achieve that goal, the NSB estimates that the number of women must nearly double, Black or African Americans must more than double, and Hispanic or Latinos must triple the number that are in the 2020 U.S. S&E workforce. These estimates are based on projections from the U.S. Census and Bureau of Labor Statistics, together with data from the National Center for Science and Engineering Statistics, and assume that participation of these groups in the S&E workforce increases at current rates.



New NSF Director Dr. Sethuraman Panchanathan (Panch) is extremely passionate about broadening participation, equity, and innovation.

First new NSF directorate in 30+ years

TIP was created to address the missing millions and the impact created on our economy.

TIP's mission: Harness the nation's vast and diverse talent pool to advance critical and emerging technologies, address pressing societal and economic challenges, and accelerate the translation of research results from lab to market and society. TIP improves U.S. competitiveness by growing the U.S. economy and training a diverse workforce for future, high-wage jobs.

EXPAND THE GEOGRAPHY OF INNOVATION

Americans from every state must benefit from the progress of science and engineering and have access to high-quality STEM education and S&E careers.

Empowering American workers, entrepreneurs, and businesses will require strategically building S&E capacity and infrastructure across the nation and actively seeding and nurturing innovation clusters.

NSF Regional Innovation Engines

Innovation, Workforce, and Research Conference (IWRC)

13-15 September 2023 @ Little Rock, AR

Stakeholders from academia, government, and industry are invited to attend and explore strategies to support the U.S. innovation economy and 21st century workforce. Featuring panel discussions focused on CHIPS+ Act and tracks for leaders from industry, researchers, and tech transfer professionals.

CHIPS for AMERICA

NSF ARKANSAS EPSCoR

IEEE-USA


THANK YOU ALL FOR YOUR PARTICIPATION, ENGAGEMENT, AND COLLABORATION!