



## SUPERCHARGING AMERICAN SCIENCE & TECHNOLOGY

The Science & Technology Action Committee (STAC) is a **non-partisan group of non-profit, academic, foundation, and corporate leaders working to dramatically strengthen U.S. science and technology (S&T)**. Since 2020, STAC has called for:

- Doubling federal investments in S&T research relative to U.S. GDP
- Elevating scientific leadership to the highest levels of the government
- Increasing coordination on S&T policy across federal agencies

## THE STATE OF PLAY

### AN ERA OF UNPRECEDENTED GLOBAL COMPETITIVENESS

With the U.S. engaged in fierce competition with China for world leadership in science, technology and innovation, the stakes couldn't be higher. Without significant increases in federal funding of U.S. S&T, China could win the global competitiveness race. The runner-up position would be devastating for the U.S., resulting in fewer jobs, a weaker economy, more intrusive and unethical uses of technology and great national security concerns.

### FALLING BEHIND + A CALL FOR A NATIONAL STRATEGY

STAC's State of Science in America Report found that 75% of respondents believe the U.S. is losing or has already lost the race for global S&T leadership. Three in five respondents said China, not the U.S., will be the leader within 5 years. Based on the findings in the report, STAC recommended creating a national strategy for advancing S&T innovation.

### IMPORTANCE OF THE BUSINESS COMMUNITY

Our nation's public-private partnership is critical to ensuring we keep our leadership position. The government supports fundamental research, which fuels applied research necessary for private sector progress. We need government policies that enable businesses to innovate and develop discoveries, not only keeping the pipeline open, but also widening it. The stagnation of federal funding stifles this process and threatens our position as the world's leading innovator.

## A VISION FOR AMERICAN SCIENCE AND TECHNOLOGY

STAC released the **Vision for American Science and Technology (VAST)** to be an actionable game plan to maintain and expand the U.S.'s global innovation leadership – leadership that today stands on a precipice. VAST is a set of recommendations to unleash the full power of the U.S. S&T enterprise and ensure we maintain our competitive edge, protect our national security, address societal challenges, and nurture economic prosperity. If we do not take action to preserve and strengthen our S&T enterprise, the U.S. risks being relegated to a follower on the global stage. At the core of VAST is an understanding that our global leadership stems from more than experiments in research laboratories and proceedings in Congressional hearing rooms.

***America is at a crossroads, and we need a new, all-of-America approach to bolster our ability to compete on the global stage.***

## VAST IS:



A set of **specific and actionable recommendations** with bipartisan support



An **all-of-America approach**, because everyone has a role to play in supercharging the S&T enterprise



The product of conversations among **an unprecedented array of perspectives**:

- 70+ leaders from across industry, academia, scientific societies, philanthropy, and government who came together to form the VAST Task Force
- Dozens of external individuals and organizations from the public and private sectors
- Congressional leaders and representatives from the Trump transition team

## THE VISION

Every element of VAST's recommendations will do three critical things:

Improve American competitiveness

Build + empower the vital workforce that is at the heart of our nation's success

Avoid counterproductive outcomes, such as unstable federal funding, that delay scientific progress

## THREE AVENUES FOR ACTION



Unleash the full power and potential of America's science and technology enterprise by reducing inefficiencies and breaking down barriers that hinder progress today.



Build and empower the strongest and most adaptable workforce in human history to benefit our people and sustain our leadership as science and technology innovators.



Drive breakthroughs, advance global competitiveness, address societal challenges, and strengthen our national security with commitments to fundamental discovery research, applied research, and research infrastructure.

Learn more and get involved:



[www.sciencetechaction.org](http://www.sciencetechaction.org)  
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