



National
Science
Foundation

***NSF STRATEGY INTO THE FUTURE
STRENGTHENING @ SPEED & SCALE***

Mission

Promote the progress of science



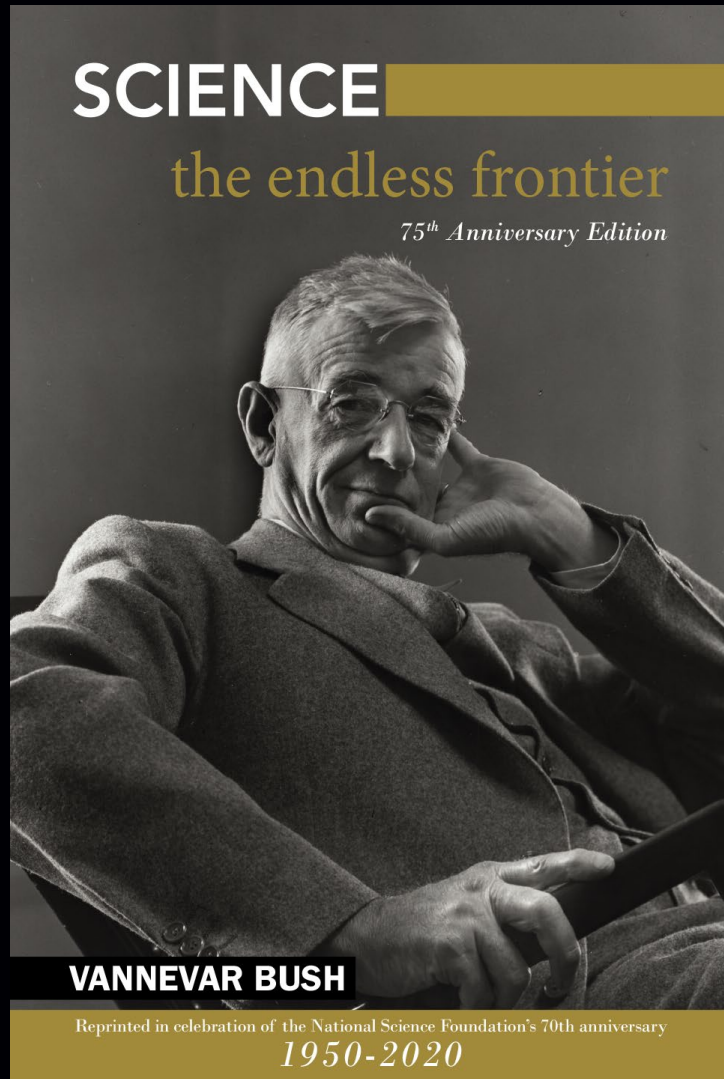
To promote the progress of science;
to advance the national health, prosperity,
and welfare; to secure the national defense.

Advance the national health, prosperity and welfare

Secure the national defense



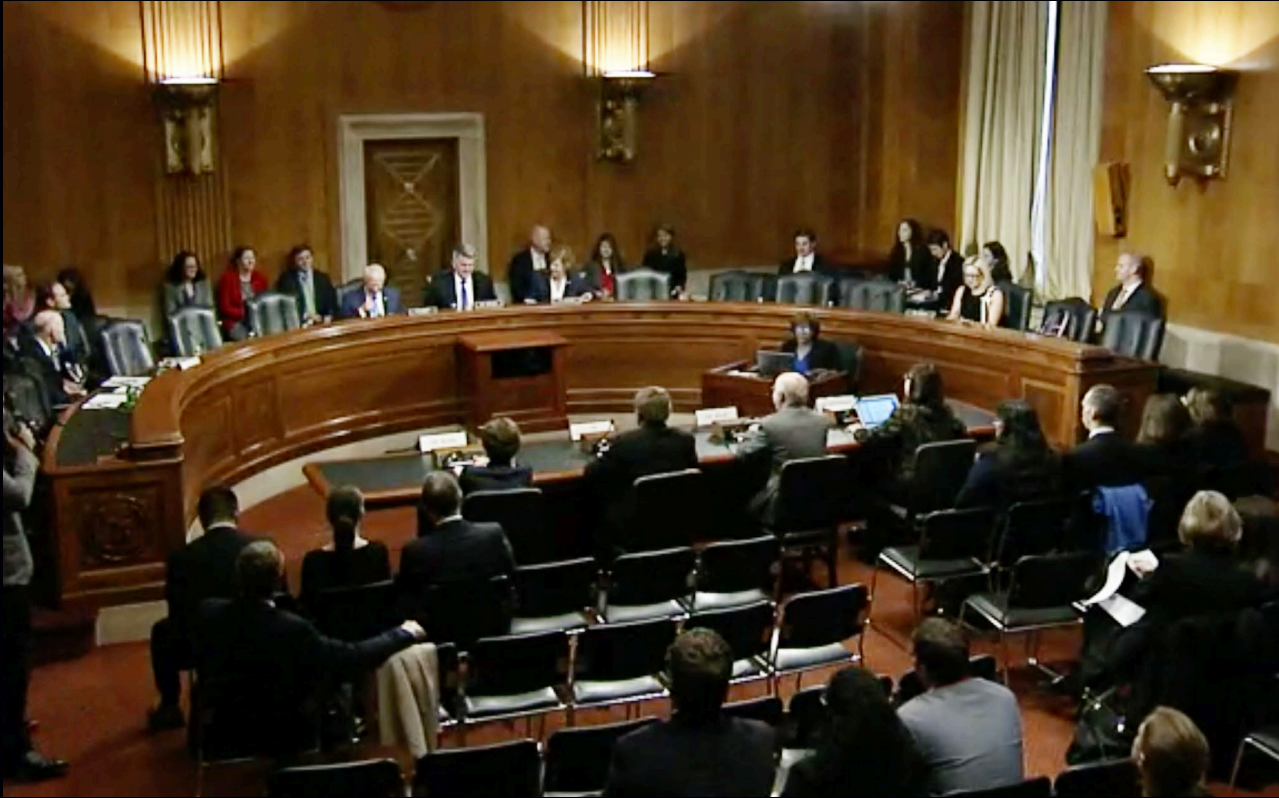
Founding



NSF would fund the high-risk, high-reward research that would seed growth across the entire U.S. enterprise.



Senate Commerce Committee Testimony



Strong Ecosystems:

Research and Development

Learner

Partnership

Economic Development



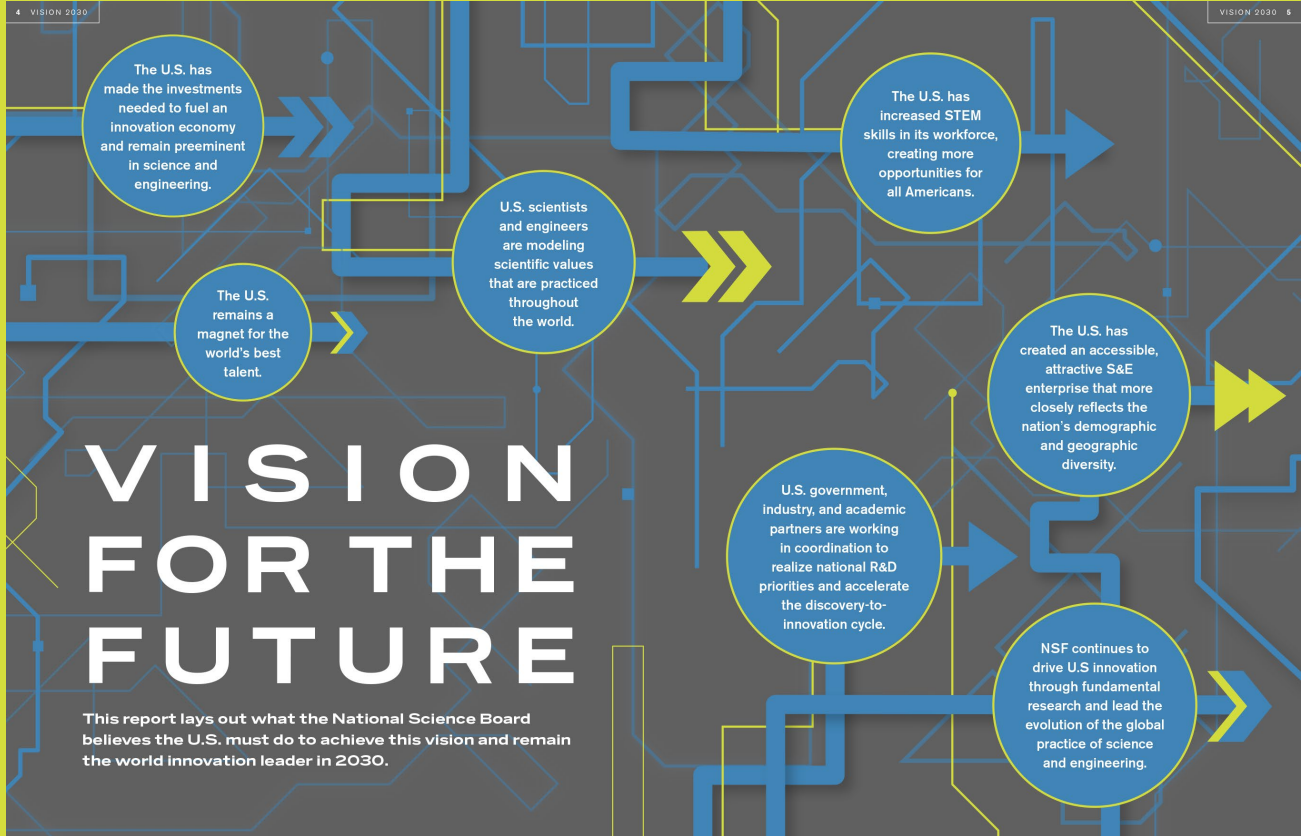
NSB 2030 Vision



NATIONAL SCIENCE BOARD



VISION
2030



Vision

Defining Moment

Global Competition

Missing Millions

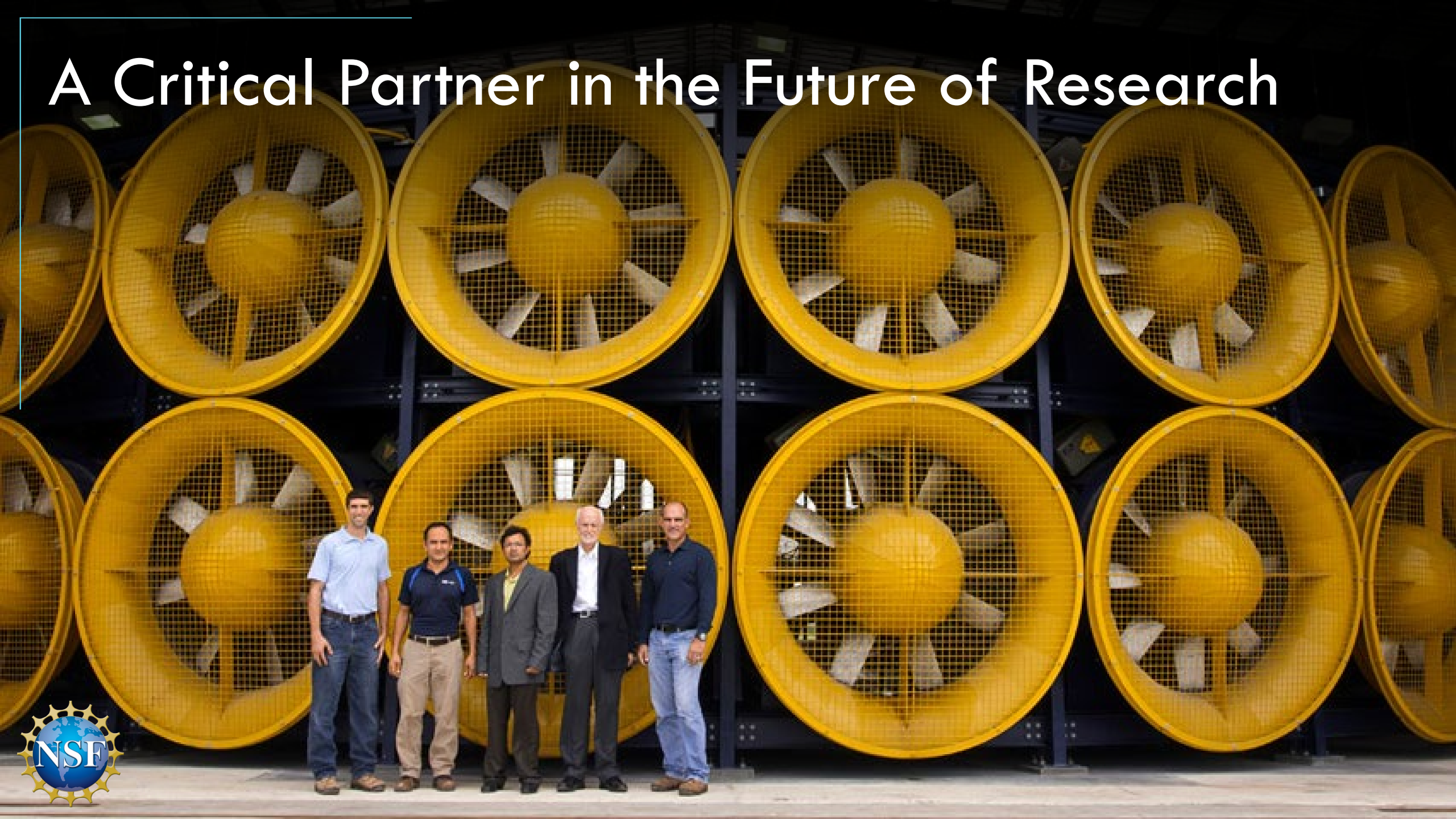
Bipartisan Support

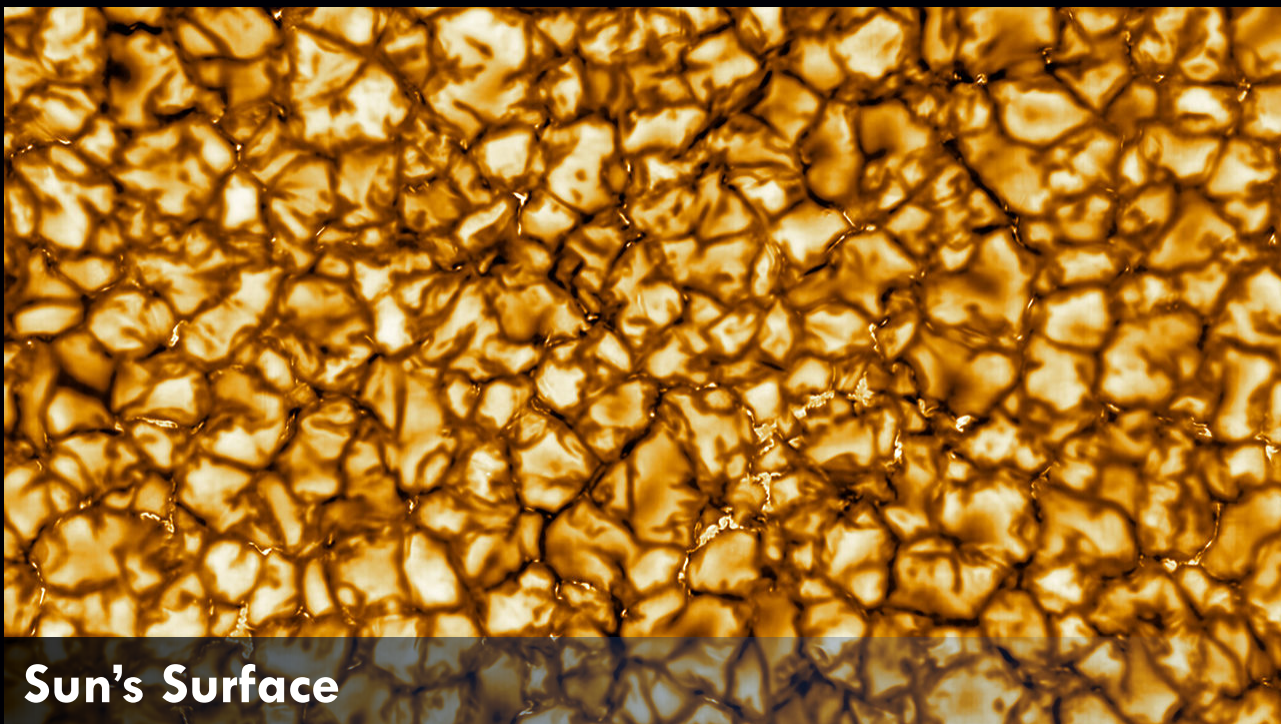


The Future of Research



A Critical Partner in the Future of Research





Sun's Surface

Curiosity
Driven
Research





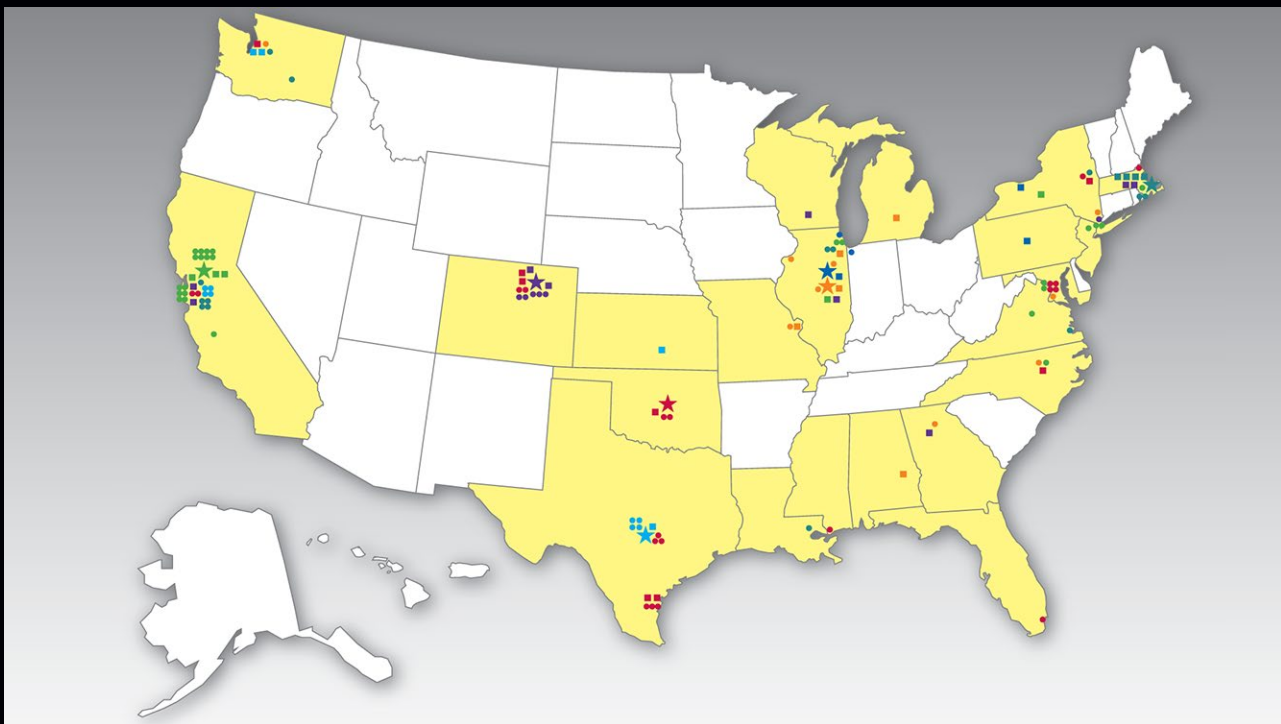
ERC for Advanced Technologies for
Preservation of Biological Systems

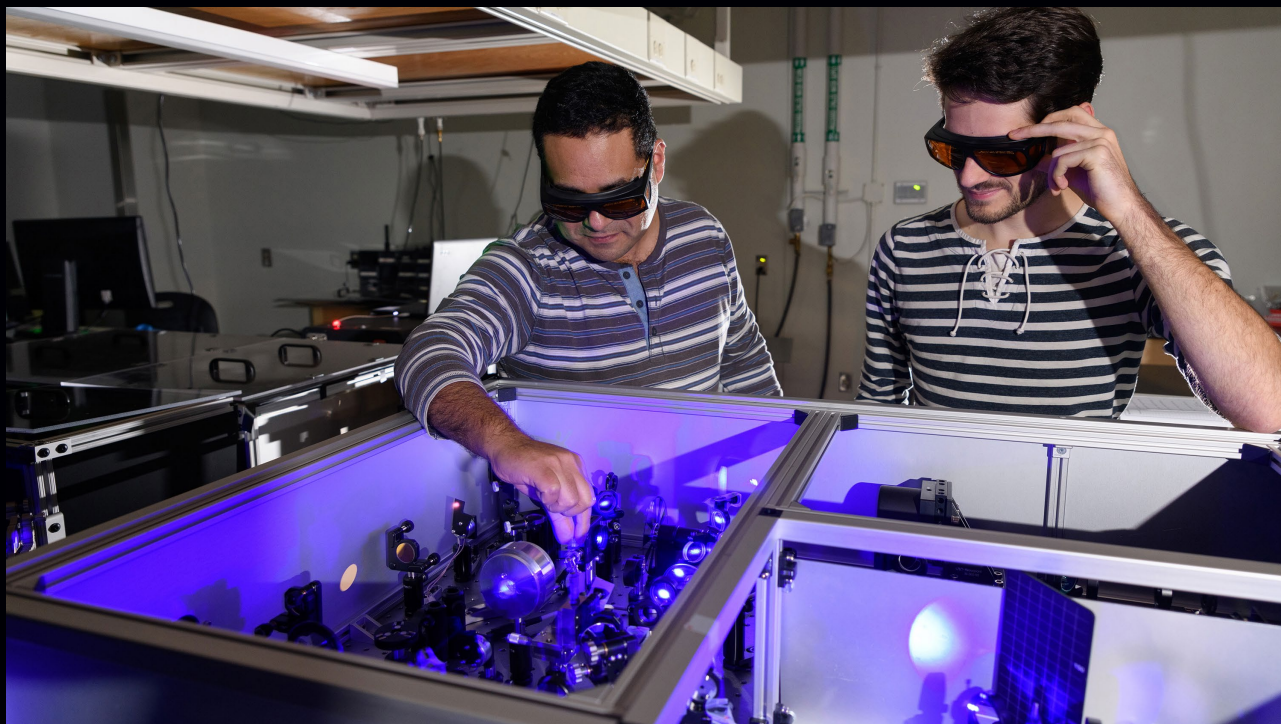
ERC for Advancing Sustainability through Powered
Infrastructure for Roadway Electrification

ERC for Quantum Networks

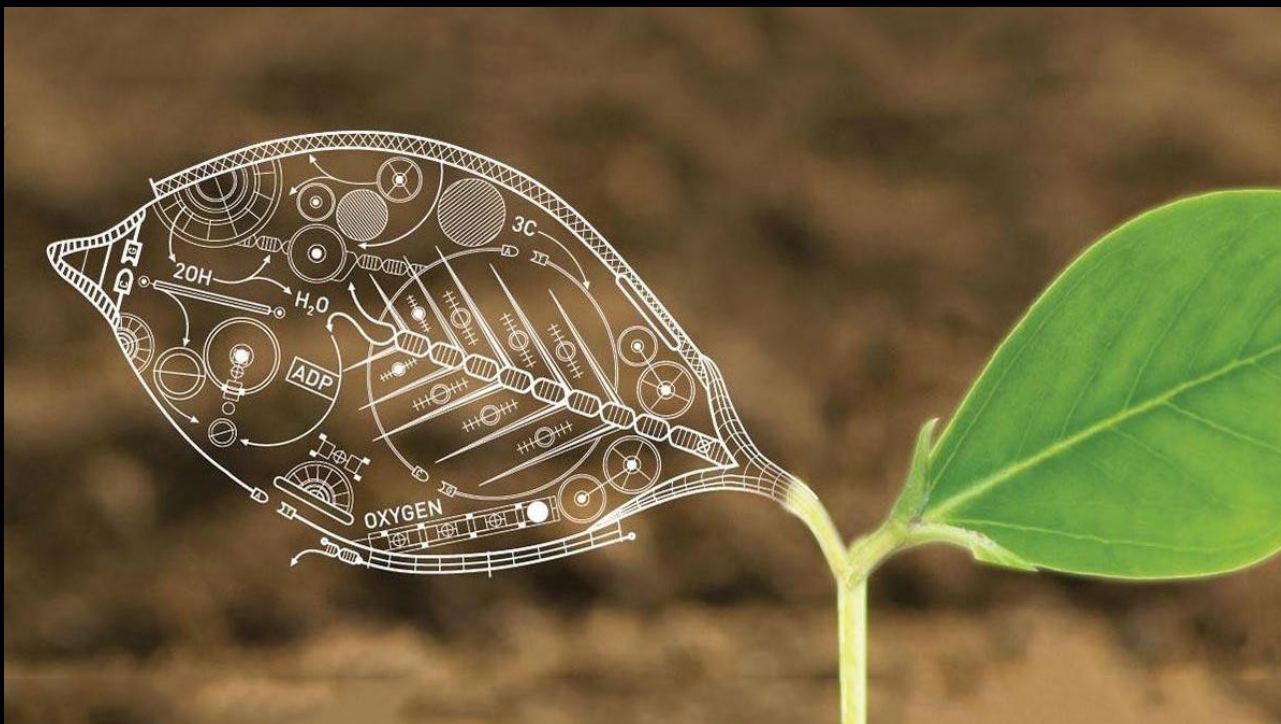
ERC for the Internet of Things
for Precision Agriculture



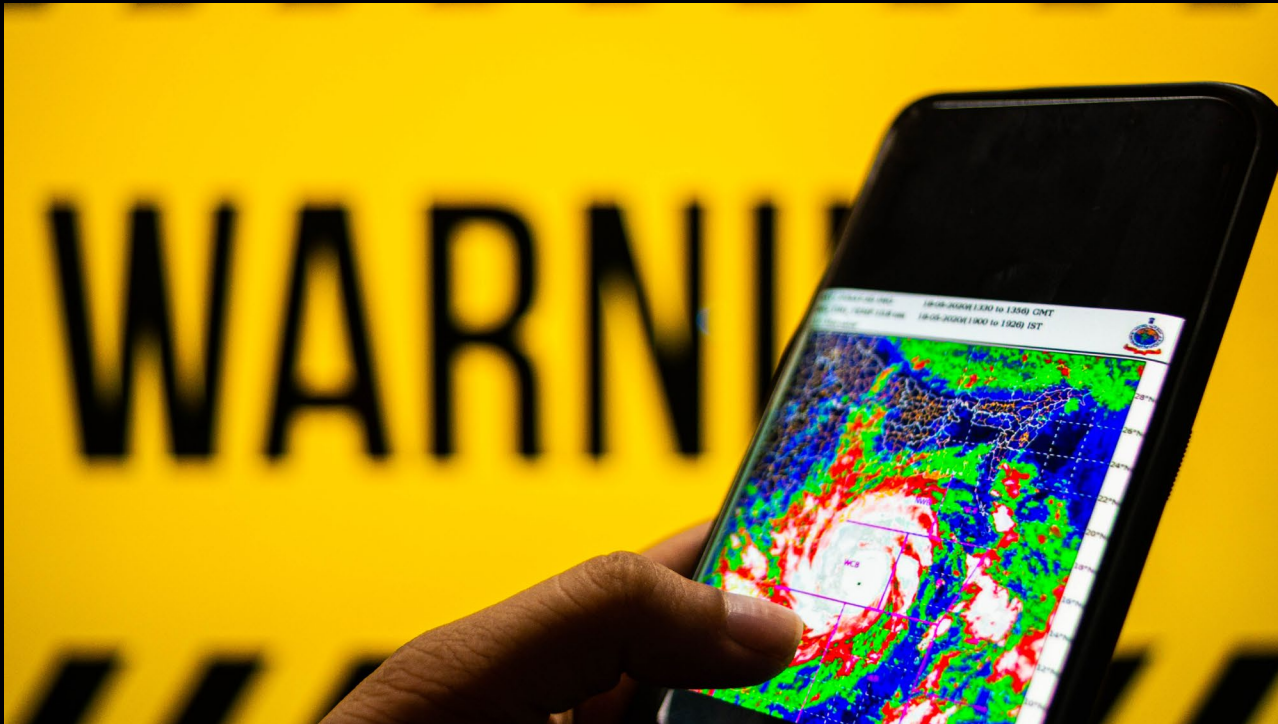












Advancing the Frontiers of Science

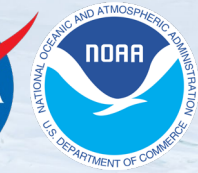
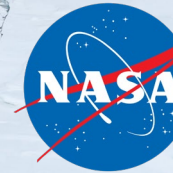




Intra-agency



Inter-agency



How? Industry

Aarna
NETWORKS

alef

AMERICAN TOWER

Anritsu

amazon

atis

BLACK & VEATCH

CARLSON
WIRELESS TECHNOLOGIES



COMMSCOPE

CROWN
CASTLE

ctia
Everything Wireless

ERICSSON



htc.

FACEBOOK

intel

INTERDIGITAL

APL JOHN'S HOPKINS
APPLIED PHYSICS LABORATORY

JUNIPER
NETWORKS

KEYSIGHT
TECHNOLOGIES

MathWorks
Accelerating the pace of engineering and science

NATIONAL
INSTRUMENTS

BOEING

ORACLE

Polaris
Networks
5G - Connecting the Future

QUALCOMM

SAMSUNG

sigfox
Make Things Come Alive

SIRADEL
ENGIC

Sprint

T-Mobile

ai

vmware

JRC

TIA

Vapar

verizon

VIAT



Other Partnerships and Many More



Foundations and Philanthropy

State and Municipality

K-12

Universities & Community

Colleges

International



Partnering for Success

THE FLORIDA HIGH TECH
CORRIDOR





Emerging Talent @ Scale



We need to inspire new generations across all communities to explore the wonders waiting to be discovered.



Missing Millions

Women



Hispanic or Latino



Black or African American

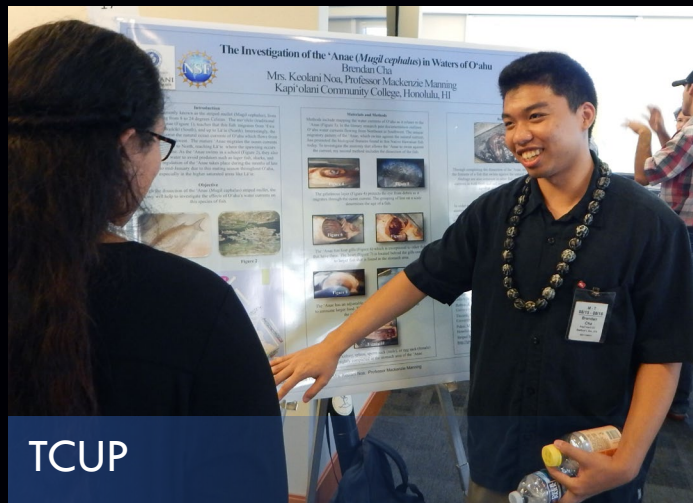


 x 100,000 people in 2020 in the S&E workforce

 x 100,000 additional people needed in 2030 for the S&E workforce to be representative of the U.S. population



Inspiring Talent Everywhere





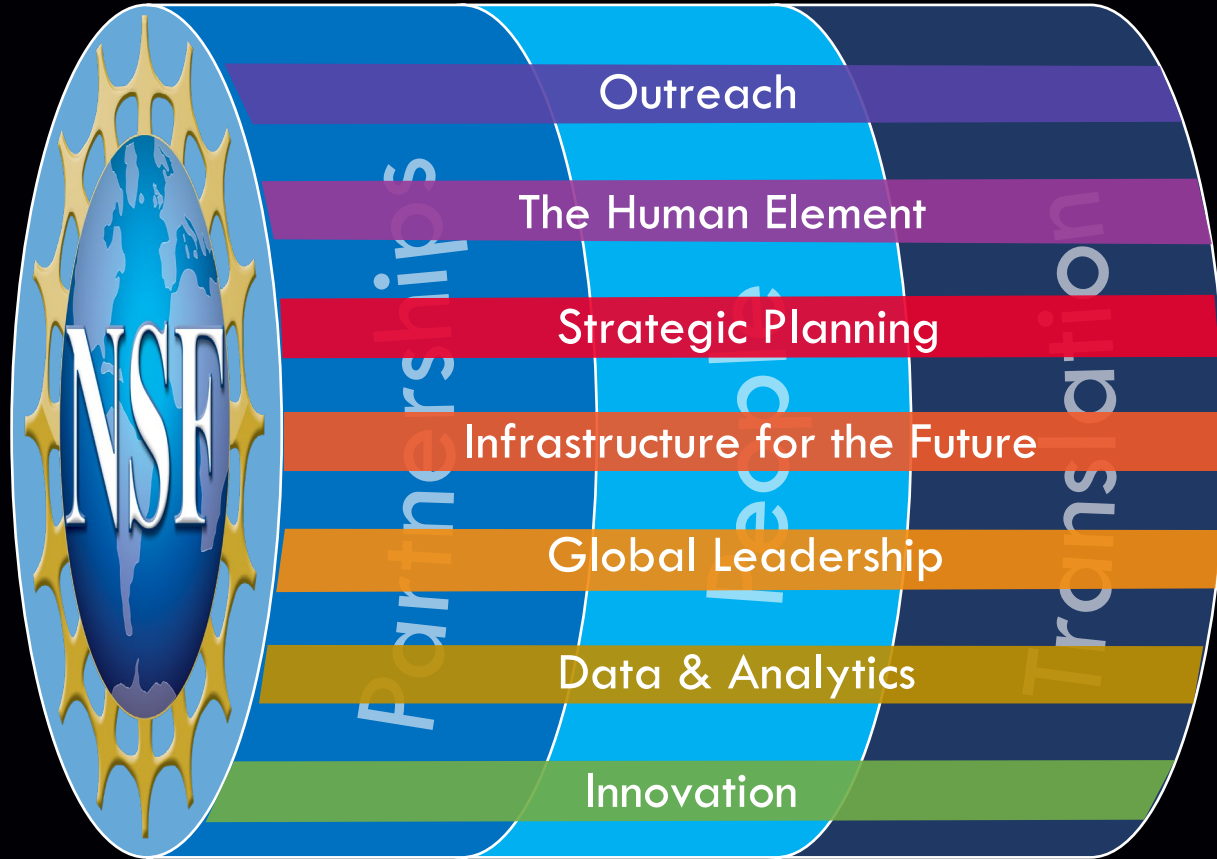
Knowledge Leads to Action



Inventing the Future

REGISTERED USE INNOVATION





Threads







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