



# AGGIE RESEARCH IMPACTS

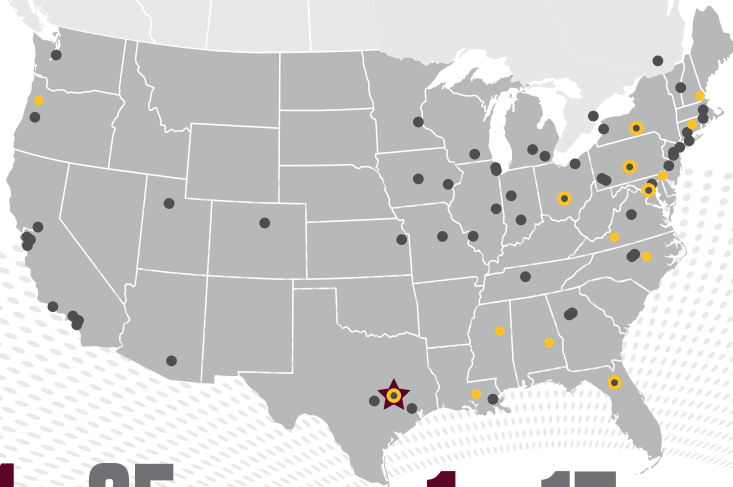
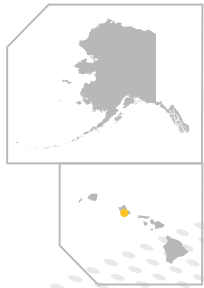


Conducted over 100 UAV flights during Hurricane Harvey and received NSF funding to enhance robotic response & recovery during disaster events



NIH and NSF-funded researchers found potential solution to fight *C. DIFFICILE*, the #1 hospital-acquired infection and related cause of death

Texas A&M University is a member of the **Association of American Universities (AAU)** and the **Association of Public and Land-Grant Universities (APLU)**



● **1 of 65**  
Association of American University member

● **1 of 17**  
Land-, Sea-, and Space-Grant Universities

## NATIONAL RANKINGS

(Among all private and public universities)

**#3**

IN NATIONAL SCIENCE FOUNDATION (NSF) FUNDING  
(NSF HERD, 2018)

**#12**

IN DEPARTMENT OF ENERGY FUNDING  
(NSF HERD, 2018)

**#20**

BASED ON \$922M IN TOTAL FY17 HIGHER EDUCATION RESEARCH & DEVELOPMENT EXPENDITURES  
(NSF HERD, 2018)

Texas A&M research **initiative** to improve the quality of teaching & students' academic achievement. Working with over **140,000 students**, more than **10,000 educators**, & over **500 school districts in Texas** (almost 50% of the state)



## INITIATIVE IMPACTS TO DATE

**15** schools rose to the top **25%** of all elementary schools in Texas  
**19** schools improved in overall rankings 2 years in a row

## STATE RANKINGS

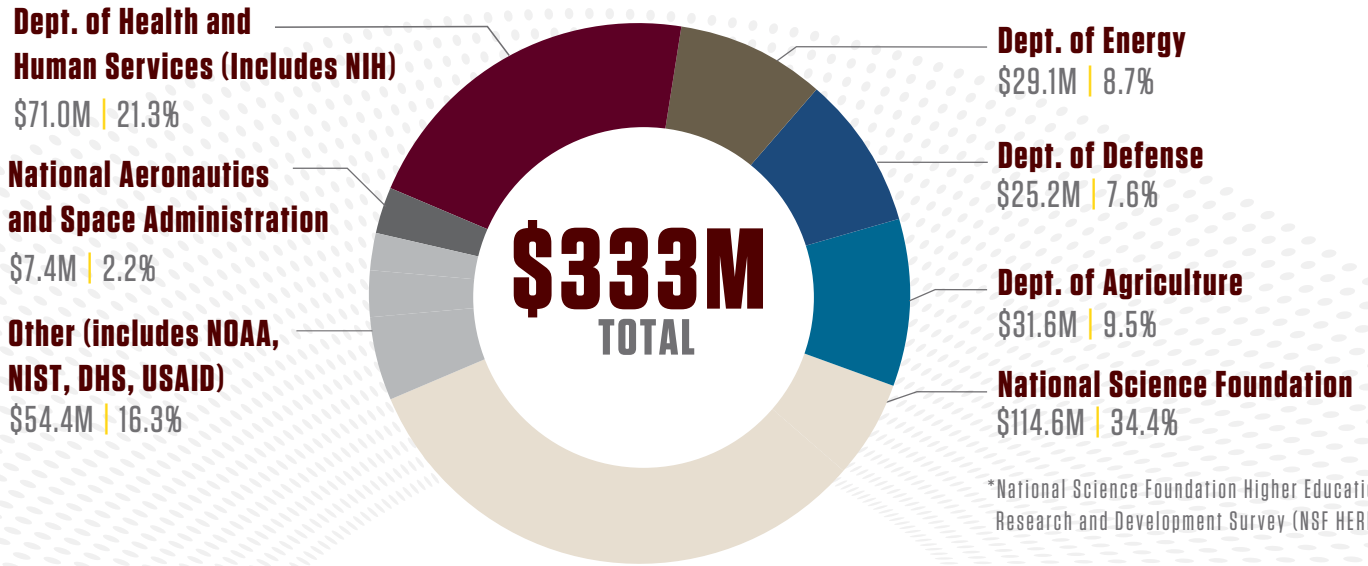
(Among all private and public universities)

**#1**

BASED ON \$922M IN TOTAL FY18 HIGHER EDUCATION RESEARCH & DEVELOPMENT EXPENDITURES  
(NSF HERD, 2018)

# TEXAS A&M UNIVERSITY FEDERAL RESEARCH EXPENDITURES

Federal sponsors as a total of federal research expenditures\* (FY18)



## RECENT EXAMPLES OF FEDERAL RESEARCH AWARDS

**International Ocean Discovery Program**  
National Science Foundation (\$337.1M)

**Texas A&M Center for Innovation in Advanced Development and Manufacturing**  
Biomedical Advanced Research & Development Authority  
U.S. Department of Health & Human Services (\$176.6M)

**Cyclotron Based Nuclear Science**  
U.S. Department of Energy (\$43.7M)

**Global Hunger and Food Security Research Strategy: Program Area 4. Small Scale Irrigation Technologies & Ag Water Mgmt**  
U.S. Agency for International Development (\$24.8M)

**Engineering Research Ctr for Precise Advanced Technologies and Health Systems for Underserved Populations (PATHS-UP)**  
National Science Foundation (\$20.1M)

**Center for Research Excellence on Dynamically Deformed Solids (CREDDS)**  
U.S. Department of Energy (\$12.5M)

**Structure-Based Discovery of Critical Vulnerabilities of Mycobacteria**  
National Institutes of Health (\$12.2M)

**Literacy-Infused Science Using Tech Innovation Opportunity**  
U.S. Department of Education (\$12.0M)

## TEXAS' INVESTMENT IN A&M RESEARCH

FEDERAL	\$333.7M	36.2%
INST. FUNDS	\$275.3M	29.9%
<b>STATE &amp; LOCAL</b>	<b>\$190.7M</b>	<b>20.7%</b>
NONPROFIT	\$58.7M	6.4%
BUSINESS	\$41.5M	4.5%
ALL OTHER	\$21.9M	2.4%
<b>TOTAL*</b>	<b>\$922.1M</b>	

(\*Total R&D Expenditures by Source for Texas A&M University, NSF HERD, 2018 )

## RESEARCH SPOTLIGHT

INTERNATIONAL OCEAN DISCOVERY PROGRAM (IODP)

▶ FUNDED BY THE NATIONAL SCIENCE FOUNDATION

▶ TEXAS A&M'S LARGEST FEDERAL RESEARCH GRANT

▶ EXPEDITIONS HAVE INVESTIGATED PAST OCEAN CONDITIONS, MONSOON SYSTEMS, MAJOR EXTINCTION EVENTS, AND CAUSES OF EARTHQUAKES