

SPARKING ECONOMIC GROWTH: UNIVERSITY-BASED BASIC SCIENTIFIC RESEARCH

Basic research is conducted in order to learn, not with a specific application in mind.

When basic research is conducted:



Knowledge is gained that helps us understand the world around us, and why things happen.



The next generation of scientists, engineers, doctors, teachers and leaders is trained.



Discoveries are made with tremendous implications for health, energy, the environment, safety and security.



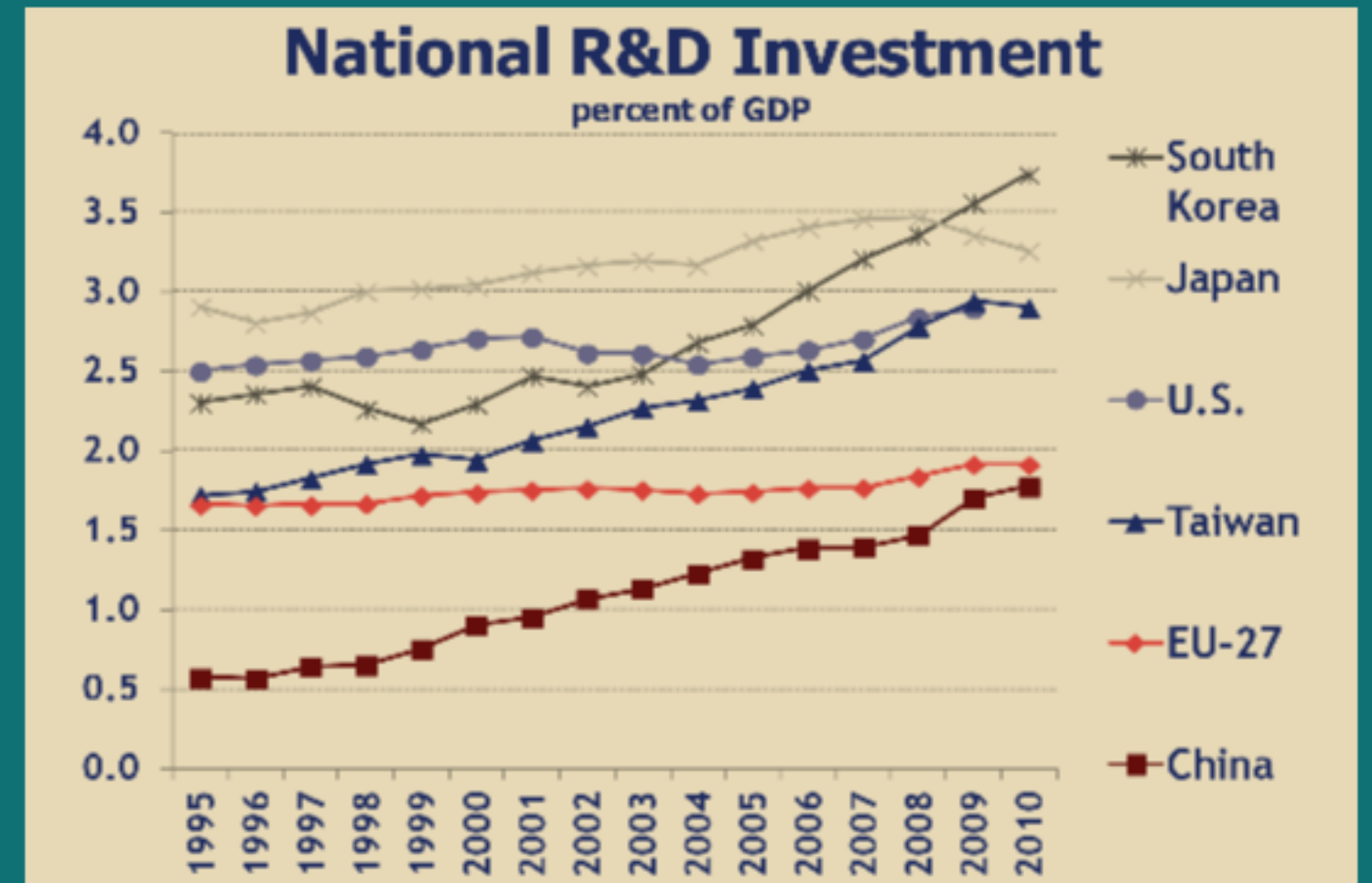
The economy grows, and America's innovation pipeline is kept primed.



Basic Research accounts for just 0.85% of the federal budget.



America's global economic competitiveness depends on a strong foundation of basic scientific research.

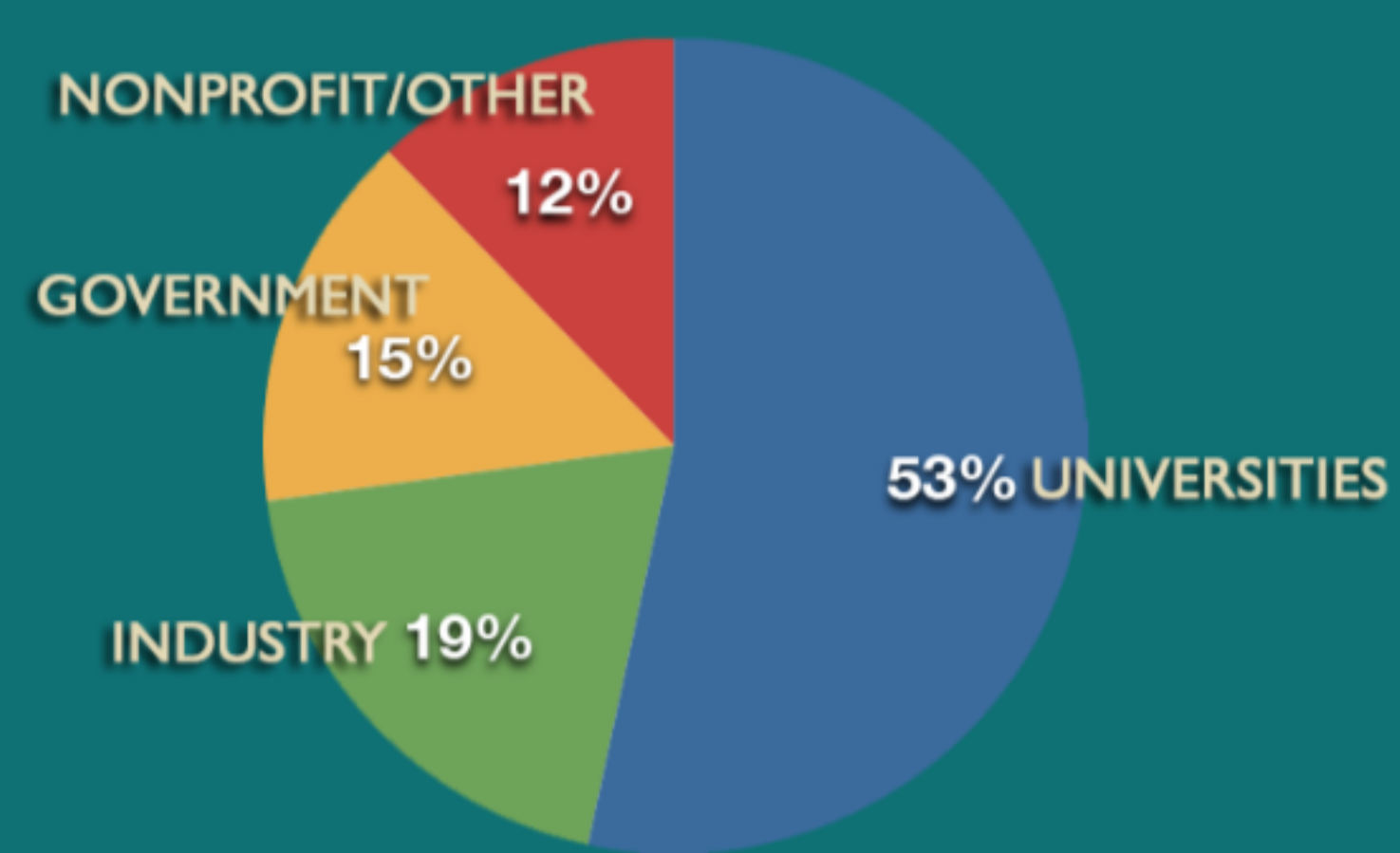


Source: AAAS



Industry relies on basic research to fuel development and drive product flow.

More than half of American basic research takes place in universities.



Basic scientific research holds the key to problems that cost the U.S. economy billion of dollars every year.



CANCER

Cost to U.S.: \$201.5 billion/year



ALZHEIMER'S

Cost to U.S.: \$203 billion/year

Projected to be \$1.2 trillion by 2050



CYBERCRIME

Cost to U.S.: \$140 billion/year

Federally funded university researchers are working every day to solve these problems.

COMPANIES CREATED FROM UNIVERSITY-BASED BASIC SCIENTIFIC RESEARCH:

DRIVING INNOVATION:

Established companies rely on research startups for new product flow.

CREATING JOBS:

Sparking Economic Growth 2.0 companies are mostly small businesses which have collectively created more than 7,000 new jobs.

FUELING LOCAL ECONOMIES:

89 of 100 Sparking Economic Growth 2.0 companies are located near their founding universities.

BREEDING SUCCESS:

University research-based companies may do better than other startups. Of 20 young companies profiled in Sparking Economic Growth 1.0 in 2010, 16 are still in business in 2013.

SPARKING ECONOMIC GROWTH 2.0

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ScienceCoalition.org/SuccessStories
for the report.