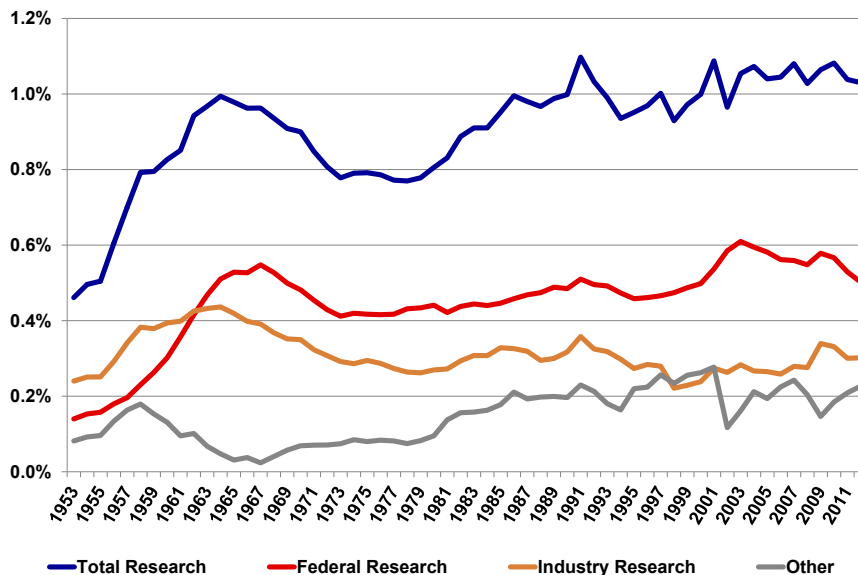


Research & Development drives economic growth

Research as a Share of GDP by Funder



- Insights derived from basic research lead to innovations that impact our lives daily
 - MRI machines rely on basic research on the structure of atoms
 - Modern GPS systems rely on basic research into gravity and atomic physics
 - Today's ubiquitous touch screens derive from basic research into capacitive sensing and human computer interfaces

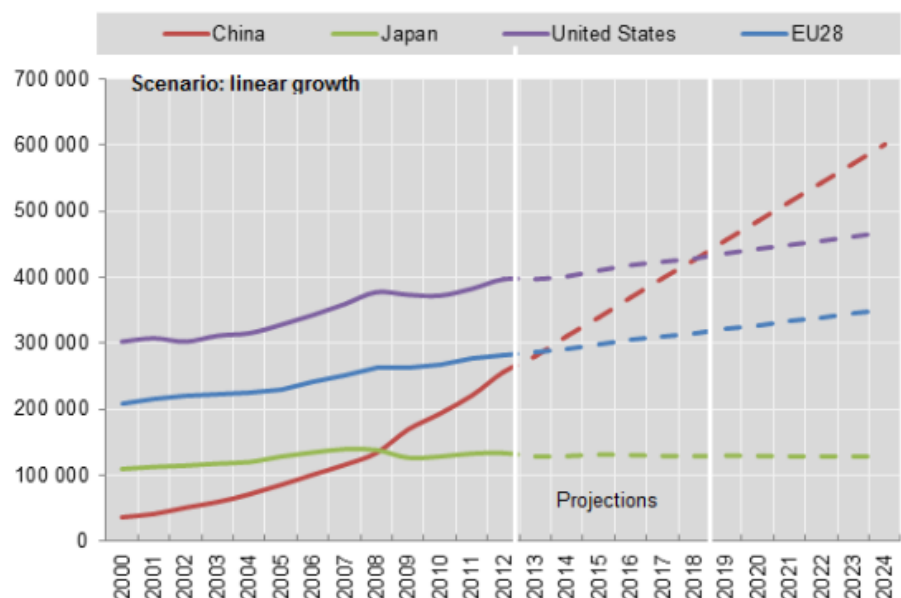
Source: National Science Foundation, *National Patterns of R&D Resources* series. © 2015 AAAS

We are at risk of ceding our global leadership in supporting R&D

- US leadership in science & technology is important to our economic and national security
- Federal funding for R&D has been declining for the past decade
- US ranks 10th in total R&D funding (from all sources) as a percent of GDP
- Sequestration-level funding for discretionary programs will continue the downward trend in federal R&D funding

China poised to outpace the US in R&D spending around 2019

GERD, millions of 2005 USD PPP, 2000-12 and projections to 2024



Source: OECD Science, Technology and Industry Outlook 2014; © OECD 2014