

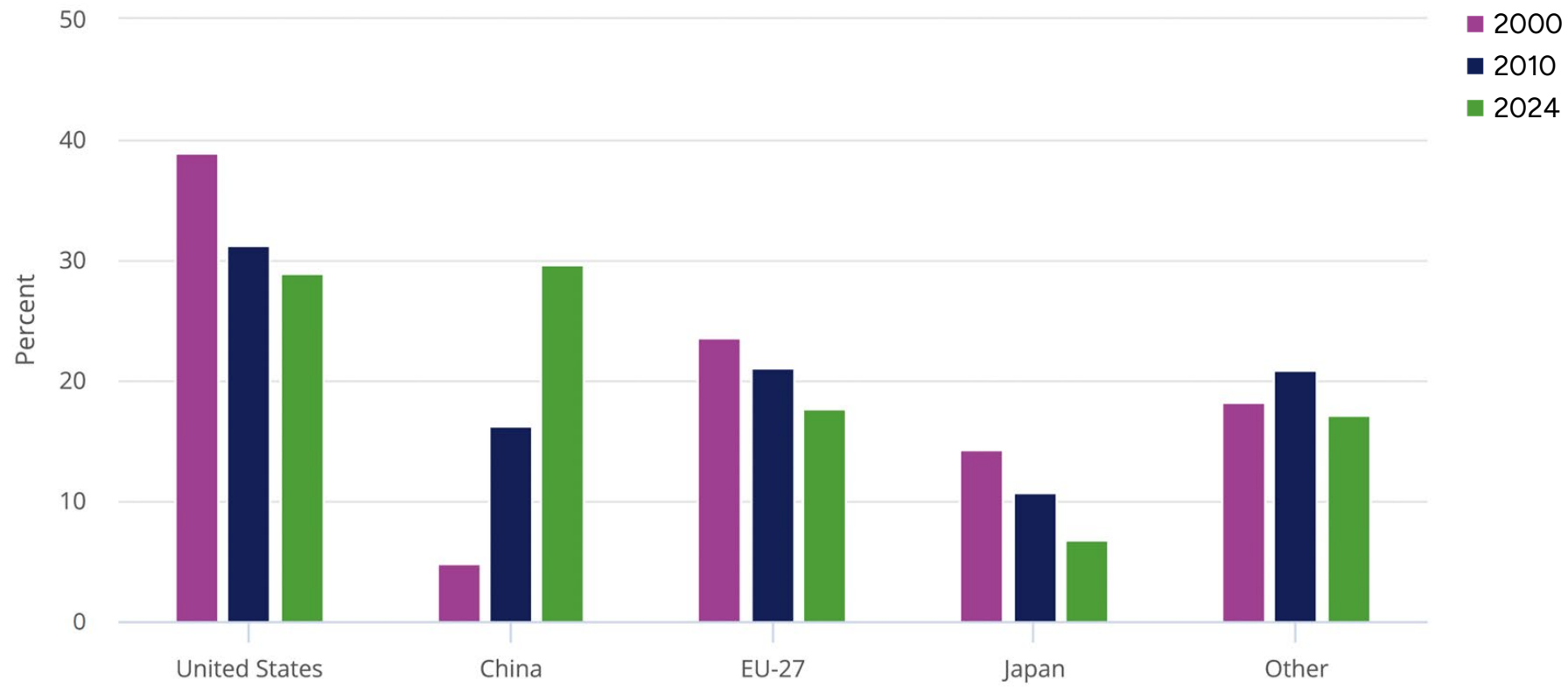
Meeting of the Office of Science Advisory Committee

Darío Gil
Under Secretary for Science

July 17, 2026

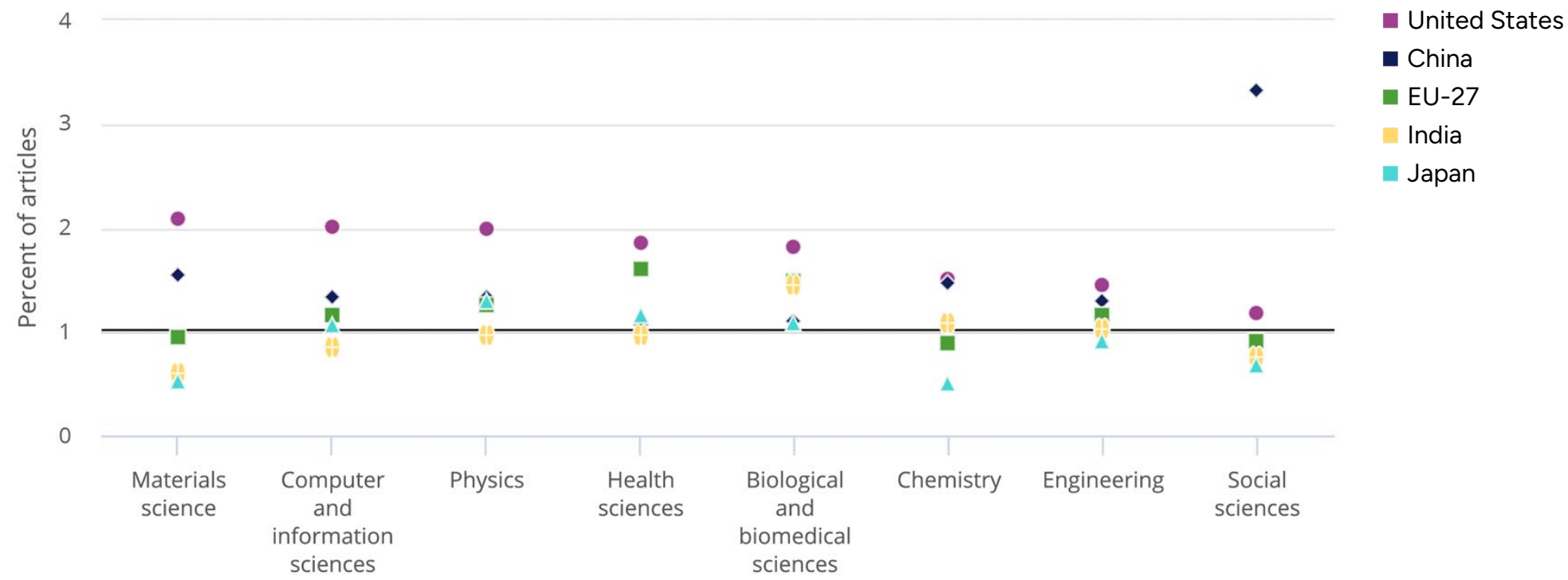


Share of global R&D expenditures, by selected region, country, or economy: 2000, 2010, and 2024



Source(s): NCSES, National Patterns of R&D Resources (2023–24 edition); OECD, MSTI, April 2026.

S&E publications in the top 1% most-cited journal articles as a share of all journal articles for selected S&E fields, by selected region, country, or economy: 2022



Source(s): NCSES; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed August 2025.

The logo consists of a stylized white circular icon with a central dot and a curved line, resembling a signal or a stylized 'G'.

Genesis Mission

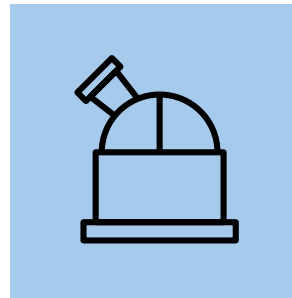
U.S. Department of Energy Office of Science

Mission areas →

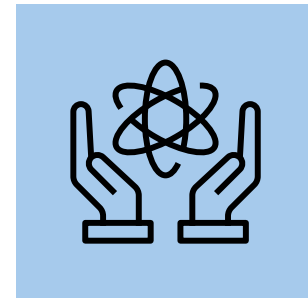
Foundational
research



Research
infrastructure

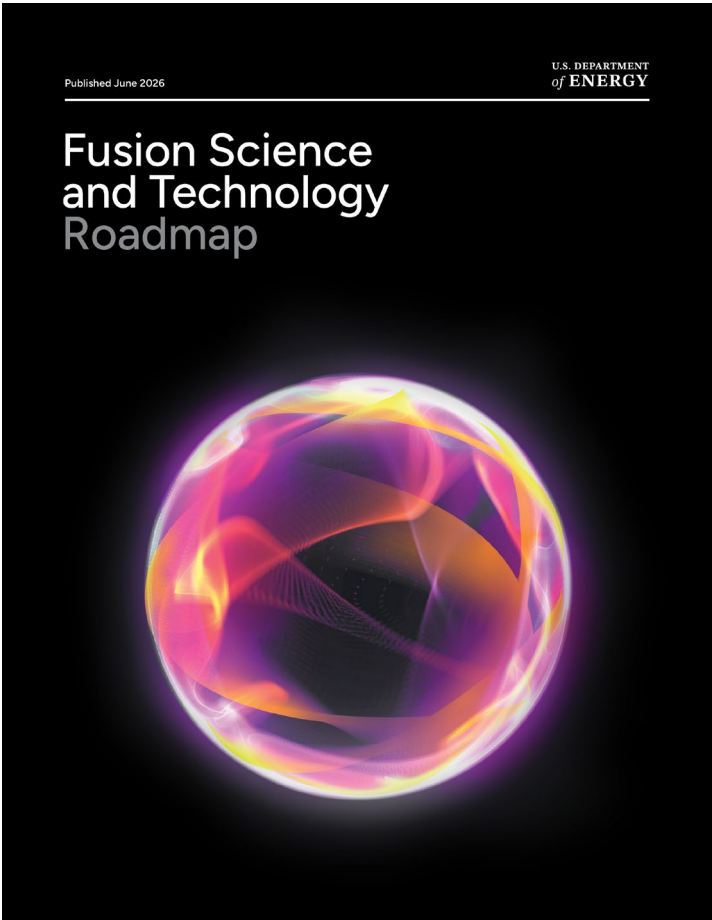


National Laboratory
stewardship



U.S. Department of Energy

The Fusion Science and Technology Roadmap → Build, Innovate, Grow



Build	1 Deliver FS&T Infrastructure
	2 Build the AI-Fusion Digital Convergence Platform
Innovate	3 Pursue Innovative and Transformative Research
	4 Advance Toward Cost-Competitive Fusion Power Plants
Grow	5 Expand Public-Private Partnership Programs
	6 Seed Fusion Supply Chains
	7 Foster Talent by Enabling Fusion Workforce Pathways
	8 Leverage Advanced Nuclear R&D and Deployment
	9 Support a Practical Path to Fusion Energy Adoption
	10 Provide a Path to Commercialization

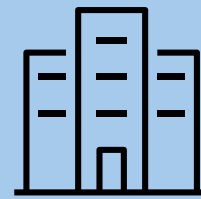
The Quantum Genesis Initiative

Three Pillars →

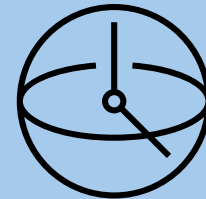
The Quantum Genesis
Competition



The National
Quantum
Supercomputing
User Facility



Focused R&D for
Quantum Computing
Applications



U.S.-Japan Genesis Partnership





orau.gov/GenesisSummit

Office of Science Advisory Committee Charges

Facilities
of the Future
Subcommittee

Genesis Mission
Subcommittee

Quantum
Subcommittee

Facilities for the Future of Science, 2003

“We believe that the 20-year vision of future scientific facilities currently being developed in the Office of Science is outstanding and could have a far-reaching, positive effect on the Nation’s leadership in science.”

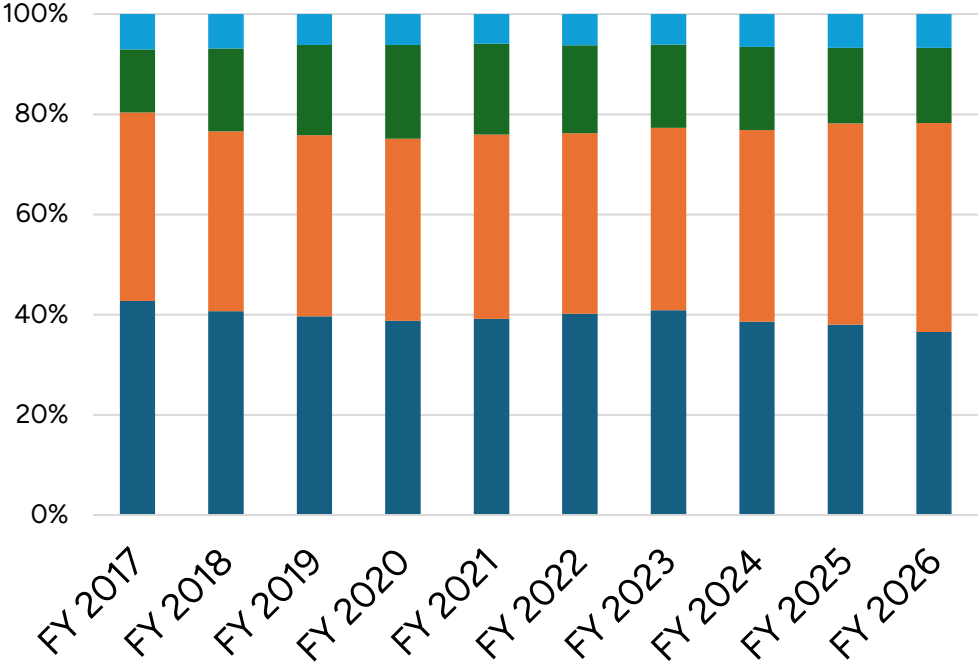
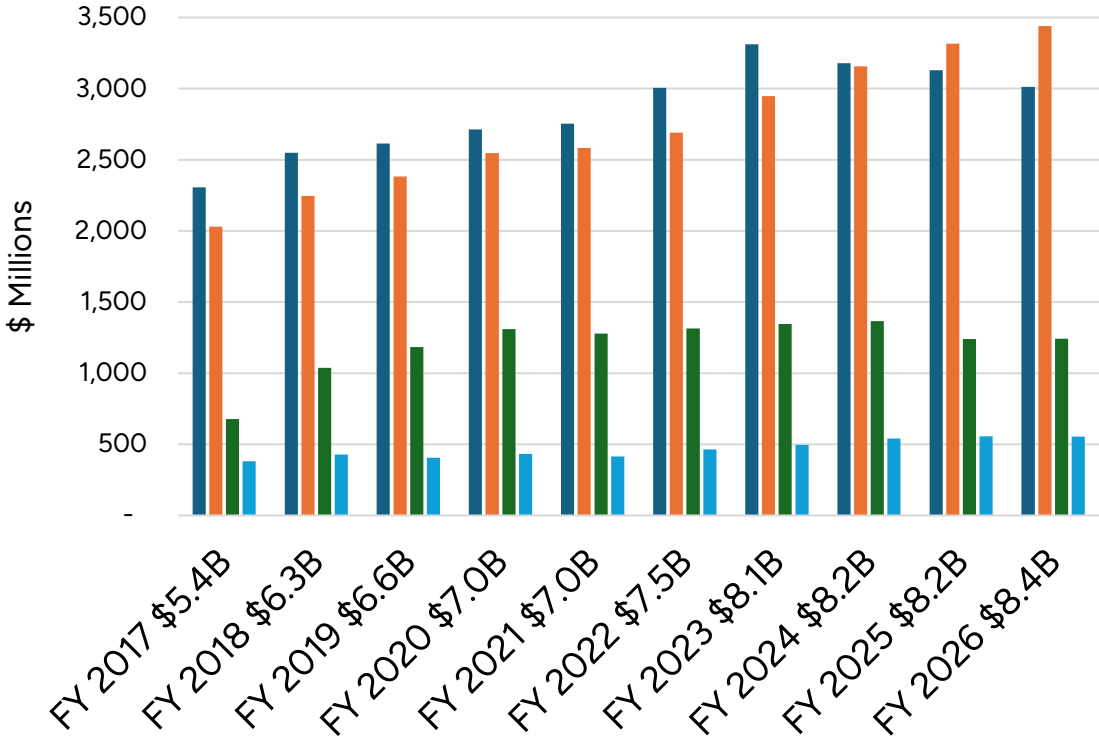
—Dr. Charles M. Vest,

Chair of SEAB Task Force on the Future of Science Programs, 2003



Trends in Research, Facility Operations, and Project Funding

■ Research ■ Facility operations ■ Projects ■ Others



Thank you

Our Shared Mission: Driving Innovation from Policy to Breakthrough

