



Fact Sheet: Memo to the President and Congress on Innovation Power for the Generative AI Flywheel

We are at the beginning of an era in which Generative AI (GenAI) will change the very nature of how nations innovate. As an innovation “flywheel,” GenAI will drive advances in AI itself, converge with other technology sectors, and ultimately accelerate and transform the very process of innovation itself. The nation that leads the way in GenAI will realize a new form of “innovation power” that will convey considerable military advantage, increased economic prosperity, and expanded cultural influence.

There are eight ways the U.S. government can organize, drive, and fuel the U.S. innovation ecosystem to lead this era of GenAI-enabled innovation:

Organize the U.S. government to better support the innovation ecosystem:

1. Establish a Technology Competitiveness Council, Office of Global Competition Analysis, and U.S. Advanced Technology Forum to execute technology strategy.
2. Develop a top-down mechanism to systematically educate government leaders about the latest developments in GenAI.
3. Scale a new model of public-private partnerships within the U.S. national laboratory system focused on GenAI and other AI applications.

Drive innovation with unified national purpose and urgency:

4. Cooperate across Congress and the Executive Branch on government-led moonshots that address discrete national security and competitiveness challenges by achieving positions of U.S. advantage in strategic technologies.

Fuel U.S. innovation power with federally-funded R&D:

5. Get back to basic research by fully appropriating the “science” in the Chips & Science Act.
6. Expand overall federal R&D funding, starting with increases to federal non-defense AI R&D.
7. Start a generative AI-enabled rapid grant program.
8. Set up an annual technology innovation fund or sector-specific innovation funds.