



Launching the Genesis Mission

Administration Policy:

President Trump issued an executive order (EO) titled [Launching the Genesis Mission](#), a “dedicated, coordinated national effort to unleash a new age of AI-accelerated innovation and discovery that can solve the most challenging problems of this century.”

This EO requires the Secretary of Energy (Secretary) to implement the Genesis Mission (Mission) at the Department of Energy (DOE) and set priorities to ensure the DOE resources used are integrated into a secure, unified platform. The Assistant to the President for Science and Technology (APST) is required to provide general leadership of the Mission and coordinate with participating agencies.

The Secretary is directed to establish the American Science and Security Platform (Platform) to serve as the infrastructure for the Mission and ensure that Platform operations meet security requirements consistent with its national security and competitiveness mission. Within 90 days, the Secretary is required to identify available computing, storage, and networking resources, as well as additional partnerships or infrastructure enhancements needed to support the Platform.

Within 120 days, the Secretary is required to identify an initial dataset and model assets for the Mission and develop a plan to incorporate additional data sets including from federal research and approved private-sector partners.

The Secretary is required to identify, in coordination with the APST and the National Science and Technology Council (NSTC), a list of science and technology challenges to address through the Mission, within the domains of advanced manufacturing, biotechnology, critical minerals, nuclear fission and fusion energy, quantum information science, and semiconductors and microelectronics.

The EO requires the APST and NSTC, in coordination with the Federal Chief Data Officer Council and the Chief AI Officer Council, to:

- assist participating agencies in aligning datasets and research and development activities within the objectives of the Mission in their respective areas of expertise,
- identify data sources that may support the Mission’s aim,
- develop a process and resourcing plan,
- launch coordinated funding opportunities or prize competitions across participating agencies,
- establish mechanisms to coordinate research and development funding opportunities and experimental resources across participating agencies.

The Secretary, APST, and Special Advisor for AI and Crypto are required to establish mechanisms to collaborate with external partners, including through research and development programs. The APST is also required to identify opportunities for international scientific collaboration to support the Mission.

Policy Background:

- In January, President Trump issued [EO 14179](#) “Removing Barriers to American Leadership in Artificial Intelligence,” to revoke or revise several Biden administration provisions which impose burdensome requirements on the development and deployment of AI. A fact sheet from the White House can be found [here](#).
- In July, the White House announced the [AI Action Plan](#) which aims to accelerate AI innovation, build American infrastructure, and lead in international AI diplomacy and security.
- A fact sheet from the White House can be found [here](#).