



THE WHITE HOUSE
WASHINGTON

Launching the National Biotechnology and Biomufacturing Initiative

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Executive Order on Advancing Biotechnology and Biomanufacturing Innovation for a Sustainable, Safe, and Secure American Bioeconomy



► BRIEFING ROOM ► PRESIDENTIAL ACTIONS

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Policy. It is the policy of my Administration to coordinate a whole-of-government approach to advance biotechnology and biomanufacturing towards innovative solutions in health, climate change, energy, food security, agriculture, supply chain resilience, and national

Goals and Objectives

- Coordinate R&D
- Safe, Secure Biological Data Ecosystem
- Increase Biomanufacturing Capacity to Accelerate Transition
- Sustainable Biomass
- Promote Biobased products
- Workforce Development
- Clarify Regulatory Environment
- Elevate Biological Risk Management
- Promote standards, metrics, and develop systems to grow and assess the state of the bioeconomy
- Assess and Anticipate Threats, Risks, and Potential Vulnerabilities
- Engage the international community



Bioeconomy Executive Order – Status

Interagency Reports

Bold Goals

Federal Investment

Whole of Government Strategy



Interagency Reports

- *Bold Goals* (Section 3a)
- *PCAST Biomanufacturing to Advance the Bioeconomy* (Section 3h)
- *Vision, Needs, and Proposed Actions for Data for the Bioeconomy Initiative* (Section 4a)
- *Building the Bioeconomy Workforce of the Future* (Section 7a)
- *RFI and Plain Language reports on Biotechnology Regulation* (Section 8a and 8b)
- *Lexicon for the Bioeconomy* (Section 10a)
- *Pending...*



Bold Goals

Climate change solutions – DOE

Food and agriculture innovation – USDA

Supply chain resilience – DOC

Human health – HHS

Cross-cutting advances – NSF

Catalyze action both inside and outside of government to advance America's bioeconomy



Federal Investment

- *Energy Earthshot Research Centers led by DOE*
- *Scale promising technologies that convert biomass to biofuels and bioproducts (DOE)*
- *USDA's Rural Development (RD)t program*
- *DoD issued a RWP for the Distributed Bioindustrial Manufacturing Investment Program (DBMIP)*



Whole of Government Strategy

National Bioeconomy Board

- *Coordinate*
- *Provide Continuity*
- *Consolidate*
- *Communicate*

