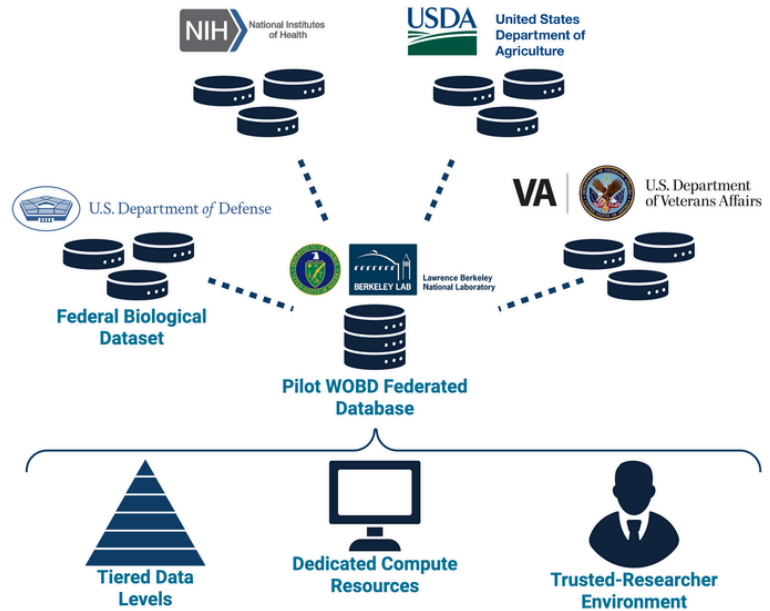
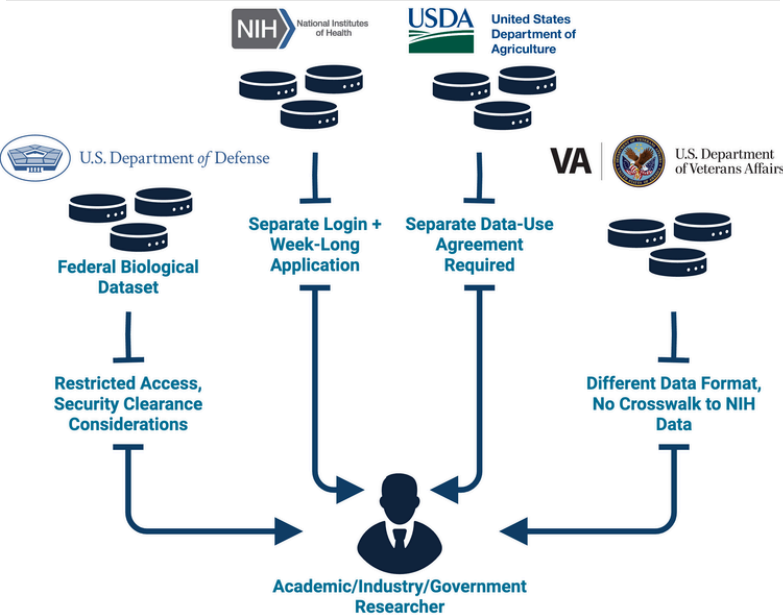


Securing the U.S. Bioeconomy: A Managed Access Framework For Biotechnology Innovation

The United States should establish a federal managed-access infrastructure to enable a future that maximizes scientific discoveries, improves national security, and reinforces the United States leading position in biotechnology.

Current Fragmented System - Federally funded biological data is spread across independent agencies with incompatible formats, inconsistent access rules, and no shared infrastructure

Recommendation 1: Congress Should Establish A Managed-Access Data Pilot Program With A Federated Data Access Architecture - Establishing this infrastructure will unify fragmented repositories and anchor access to data and biological AI models



Recommendation 3: OSTP & NSTC Should Create A Unified Data-Use Agreement For Biological Data - Standardizing language and access protocols removes administrative barriers and accelerates collaboration across the biotechnology ecosystem.

Recommendation 2: NIST Should Develop A Standardized Biological Data Ontology - A biological data ontology ensures data interoperability and standard for AI-ready metadata required for contemporary scientific discovery.

