



U.S. DEPARTMENT OF AGRICULTURE

The U.S. Department of Agriculture's (*USDA Science and Research Strategy (S&RS)*) is an invitation to our stakeholders and partners to join us in moving our research from "intention to action" in ways that benefit organizations and communities across the nation. It focuses on five key science priorities to transform U.S. agriculture through science and innovation:

1. Accelerating Innovative Technologies & Practices

2. Driving Climate-Smart Solutions

3. Bolstering Nutrition Security & Health

4. Cultivating Resilient Ecosystems

5. Translating Research into Action

Priority 4: Cultivating Resilient Ecosystems



USDA Science will address place-and-scale-appropriate needs through science-based solutions targeting multi-dimensional, simultaneous, and pressing goals to ensure agricultural productivity, sustainability and resilience.

Improving sustainability through DNA sequences of plants & animals

- Genetic resources program
- Plant regeneration methods
- Database tracking of genetic changes
- Effective genetic changes

Advancing microbiome research

- Soil microbiome protection
- Microbiome understanding
- Nutrient use efficiency

Restoring & improving resiliency of agro- & aquatic ecosystems

- Ecosystem disaster coping
- Supply chain improvements
- Freshwater & marine health preservation
- Pollinator effects

Developing improved response to plant & animal infectious diseases

- Disease threat protection
- Surveillance detection
- Economic impacts

Improving biodiversity, air & water quality & retention, carbon sequestration & pollinator protection

- Biodiversity enhancement
- Behavioral factors influencing producer decisions
- Precision agriculture technologies
- Pollinator health protection

Join the Conversation & Shape the Future of Agriculture!

We're turning intention into action and we're calling on **YOU** — our partners and stakeholders—to join us on this journey. Together, we're crafting a future that's innovative, sustainable, and transformative for agriculture and beyond.

Share Your Input

Your voice matters! Have insights, ideas, or expertise to share? We want to hear them. Your input is invaluable as we lay the groundwork for real change. Share your thoughts by emailing USDAScience@usda.gov

Lead a Discussion

Be a catalyst for change in your own community. Host your own stakeholder discussion. Download this **"Lead a Discussion" Digital Toolkit** and use this resource to gather your community, share ideas, and contribute to the vision of a progressive agricultural landscape.

Share With YOUR Network

Want to share these ideas with your network? Share the **USDA Science & Research Strategy 2023-2026** and use the hashtags: **#USDAScience** **#USDAScienceMovesMe**

Stay Connected and Informed

Stay connected on USDA Science and Research efforts. Visit the website www.usda.gov/usda-science to explore updates, resources, and insights.

Follow **@USDAScience** for the latest science updates.