



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 2: Driving Climate-Smart Solutions



USDA will advance research that is co-developed with the public, including underserved communities, to address risks from long-term and acute climate stressors, recognize potential to generate new climate-related revenue streams, and improve climate resilience.

Improving climate measurement systems

- Enhanced emissions & sequestration modeling
- Climate change indicators
- Long-term greenhouse gas monitoring
- Cross-sector stressors

Tracking & responding to greenhouse gas emissions

- Understand emissions sources
- Systems & technologies to reduce emissions
- Optimize incentives

Preparing the agricultural sector for long-term success

- Adaptation potential
- Regional climate adaption
- Responsive genetics
- Inclusive climate research

Supporting all USDA stakeholders in adapting to climate change

- Expand forecasting resources
- Underserved community empowerment
- Artificial intelligence assisted climate tools
- Research on unique community needs
- Systems approach funding opportunities

Supporting sustainable bioproduct markets

- Bioeconomy & biomanufacturing capacity research
- Consumer bioproducts preferences
- Innovative bioproducts scale-up
- Agriculture & forestry renewable energy sources

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.

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