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
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.

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

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

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

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

- 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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