

**agInnovation**  
science that feeds the world



## Spring Business Meeting

agInnovation Chair, George Smith

March 14, 2024

# Revised Agenda

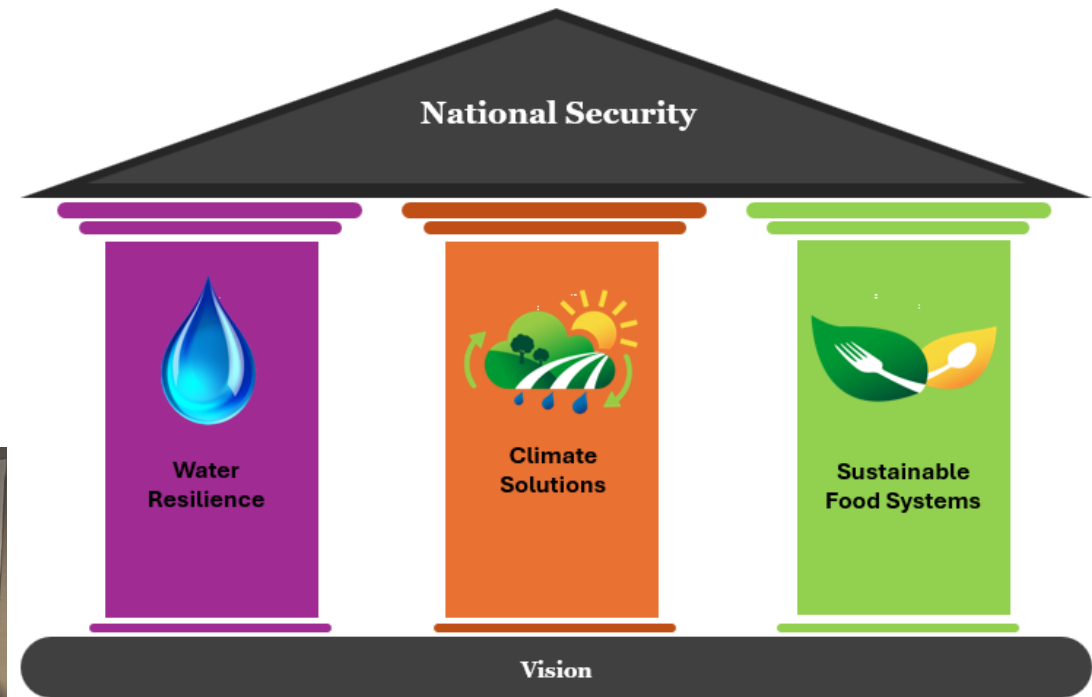
12:10 PT/2:10 CT/3:10 ET to 2:00 pm PT/4:00 pm CT/5:00 pm ET

- Welcome
- *Revision to agenda\**
- December 12<sup>th</sup> Meeting Minutes\*
- NCFAR Lunch-n-Learn
- DC Visits with agInnovation Partners
- Finance Committee Update
- Science and Technology Committee Update
- Budget and Legislative Committee Update
- Diversity Catalyst Committee Update
- Communications and Marketing Committee  
Incoming Chair Identification and Appointment
- Other Business
- Adjourn

# agInnovation Research Roadmap



## Strategic Pillars of agInnovation

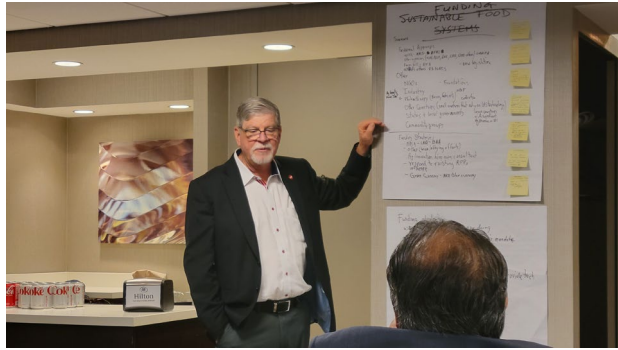


March 7-8, Chicago, IL

# Key Sections of the Roadmap— Beginning Discussions in Chicago

- **Vision statement**
- **Strategic Pillars**
- **Envisioned Outcomes**
  - Specific and measurable statements of what agInnovation research will deliver to Americans (10-years)
- **Science Strategy**
  - What are some examples of the research approaches needed to address and achieve our outcomes?
- **Consequences**
  - What will happen to the security and health and well-being of America, American families, and the broader global community if U.S. ag research support continues the path it is currently on?
  - What will be the consequences to producers, communities, American public, economic and environmental health, national security, supply chains, and workforce impacts if we don't succeed in our agInnovation vision and outcomes?
- **Implementation to Advance and Realize our Goals**
  - Key individuals and roles in ensuring we are advancing the roadmap?
  - What is the system/process on how to track and measure progress toward our envisioned outcomes.
  - Who are the stakeholders and champions (current and new) who we should be engaging?
  - What are the strategies to obtain the resources needed?

# Working Hard..



*I am proud that together we...*

innovated

accomplished all the agen  
developed a plan got the car on the rig  
incorporated everyones th  
did this work 🚗 shared a vision  
look forward looked to the future  
were good collaborators accomplished planned a strategy  
have a plan made progress worked together  
had a ton of fun established a framework  
made great progress learned collaborated open minds  
came up with an outline  
navigated the mission  
are ready to move forward

# And, Having Fun!



# agInnovation Research Roadmap Timeline

Next Steps	Timeline
Version 1: Initial draft of the Roadmap document	March- April 2024
Version 2: Roadmap Leadership Review and edit **	Late April -Early May
Begin layout/graphics discussions	Early May
Version 3: agInnovation Roadmap Working Group Review and edit **	Late May
Version 4: Engage Partners, seek input **	June
Version 5: Edit based on Partners Input	Mid June
Version 6: Working Group Review and Input **	Late June
Version 7: Edit based on Working Group Input	Early July
Present research strategy document at Joint COPs**	July
Version 8: Roadmap Document containing Joint COPs input	August
Present Roadmap at the NCFAR Lunch-in-Learn on Capitol Hill**	September
Final Roadmap—it's a living document so input/adjustment will be continual**	January 2025

\*\*Collecting Input—internal and external stakeholders and partners



## Lunch-N-Learn Series

Over the years, NCFAR has hosted tens of thousands of attendees at hundreds of seminars and webinars. The goal of these signature events is to educate and empower staff on Capitol Hill and policy stakeholders about the value of public investment in food and agricultural research. NCFAR's popular "Lunch-N-Learn" series and webinars feature experts from institutions across the country sharing expertise on a wide range of topics.

NCFAR—Lunch-n-Learn  
September 17, 2024  
Washington, DC

# agInnovation Partner Meetings

*To date, engaged with > 15 organizations/agencies.*





# agInnovation Partner Meetings

- Upcoming: May, June, July, September
  - USDA
  - Commodity organizations
  - DOE
  - NIH
  - NASA
  - DOD
  - Scientific Societies
  - Foundations & other nonprofit organizations
- *Who, organizations and individuals, should be a priority for agInnovation engagement yet this year?*

# Finance Committee Chair, Matt Wilson

# Science and Technology Committee Chair, Nathan Slaton

*Note: Slides provided.*



# STC UPDATE

Nathan Slaton,  
STC Chair

# AGRICULTURAL RESEARCH INNOVATION AWARD OF EXCELLENCE

PRESENTED TO AGINNOVATION  
12/12/23

- Finance Committee approved up to \$5,000 in support.
- Chair Smith announced award.
- Deadline extended to February 29, 2024.



# GRAND CHALLENGE TEMPLATES

REFORMATED TO USER FRIENDLY FORMAT

**SUSTAINABILITY, COMPETITIVENESS & PROFITABILITY OF FOOD & AGRICULTURE**

Rising energy costs, frequent extremes in weather, and social changes affect agricultural productivity, food security, and economic viability. Even in the absence of these factors, a business as usual approach to agriculture will continue to degrade soil, water, air, and other natural resources. Now more than ever, we must enhance the sustainability, competitiveness, and profitability of our food and agricultural systems. With continued support, the Land-grant University system is poised to address this challenge area. Doing so will require investment in interdisciplinary systems-level research and development of comprehensive datasets and holistic analytical tools.

**RESEARCH PRIORITIES**

- Reduce the carbon footprint of agriculture
- Improve the energy efficiency of agricultural systems
- Enhance crop and livestock productivity
- Improve soil health
- Find new ways to conserve water
- Develop non-chemical pest and weed control
- Improve producer profitability

**CAPACITY & RESOURCES**

- Institutions in all 50 states and many U.S. territories with research sites representing diverse ecosystems, communities, and food production systems
- State-of-the-art laboratories, greenhouses, computational centers, and tools
- Skilled scientists, educators, students, and staff
- Impartial, peer-reviewed science, technology, and recommendations
- Far-reaching Extension networks to work with and inform communities across the U.S.
- Strong relationships with government agencies, farm and commodity groups, and the private sector

agInnovation **YOUR LOGO**

**SUCCESS STORIES**

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The Grand Challenges are part of the Science Roadmap for Food and Agriculture developed by agInnovation to guide food and agriculture research. A unit of the Association of Public and Land-grant Universities and Agricultural Experiment Stations. Borne out of the Hatch Act of 1887 and the Evans-Allen Act of 1977, these premier institutions are supported by the USDA NIFA and by collaborations across federal, regional, state, nonprofits, and private institutions. For more information: [agInnovation.info](http://agInnovation.info)

The goal is to update annually with regional and local success stories and begin sharing updated success stories on the new agInnovation website.

# NATIONAL CLIMATE CHANGE ROADMAP

[https://agsci.colostate.edu/wp-content/uploads/2023/11/National-Climate-Change-Roadmap\\_November-2023.pdf](https://agsci.colostate.edu/wp-content/uploads/2023/11/National-Climate-Change-Roadmap_November-2023.pdf)

# National Climate Change Roadmap

A Research Framework for U.S. Agriculture,  
Forestry, and Working Lands



# CASA-BIO

NSF'S [Catalyzing Across Sectors to Advance the Bioeconomy](#)

- A collaborative, facilitated activity involving stakeholders from federal funding agencies, industries, non-profits, and the public sector research community.
- The overall goal is to give life to the vision of the White House's Bioeconomy Executive Order by seeking synergy through collaboration in areas of mutual interest.
- A draft of community input was developed from survey responses received from the research strategy framework working group and text from the [agInnovation Science Roadmap](#).





# CASA-BIO COMMUNITY INPUT

Which EO theme and subtheme is your research and development challenge most related to?

- Climate Change Solutions
  - Climate-Smart Food and Agriculture
- Food and Agriculture Innovation
  - Climate Resilience and Environmental Sustainability
- Supply Chain Resilience
  - Resilient Domestic Supply Chains for Biofuels, Bioproducts, and Biochemicals
- Human Health
  - Human Nutrition
- Cross-Cutting Advances
  - Workforce Development for the Bioeconomy



# CASA-BIO COMMUNITY INPUT QUESTIONS

What is one bioeconomy research and development challenge that you view as most urgent?

What is one best possible solution to addressing this bioeconomy research and development challenge?

What do you think would be achievable in the next 2, 3, and 5 years?

Besides money and time, what do you need (e.g., strategies, collaborations, resources) to achieve your solution?



# FUTURE PLANS

- Develop guidelines to recognize use of capacity funds in publications.
- Develop guidelines for making data publicly available via Data Common.
- Review nominations & select winners
  - Agricultural Research Innovation Award of Excellence
  - Excellence in Multistate Research Award



## STC Committee Delegates:

- Alton Thompson (ARD)
- John Yang (ARD)
- Frank Casey (NCRA)
- Shibu Jose (NCRA)
- George Criner (NERA)
- Jason Hubbart (NERA)
- Nathan McKinney (SAAESD)
- David Monk (SAAESD)
- Gene Kelly (WAAESD)
- Greg Cuomo (WAAESD)

## Recent Members

- Indrajeet Chaubey (NERA)
- Chris Davies (WAAESD)

## STC Committee Members

- Chair: Nathan Slaton (SAAESD)
- Past Chair: Bernie Engel (NCRA)

## Executive Vice Chair:

- Bret Hess (WAAESD ED)
- Jennifer Horton (WAAESD Recording Secretary)

## Liaisons:

- Tara McHugh (ARS)
- Kevin Kephart (NIFA)
- Roger Magarey (NIPMCC)
- Tim Killian (SSCC)

Nathan Slaton,  
STC Chair



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THANK YOU

[HTTPS://WWW.AGINNOVATION.INFO/](https://www.aginnovation.info/)

Nathan Slaton,  
STC Chair

# Budget and Legislative Committee Chair, Anton Bekkerman

# Diversity Catalyst Committee Chair, Brian Raison

# CMC Incoming Chair Discussion

## Rick Rhodes



# Other Business?