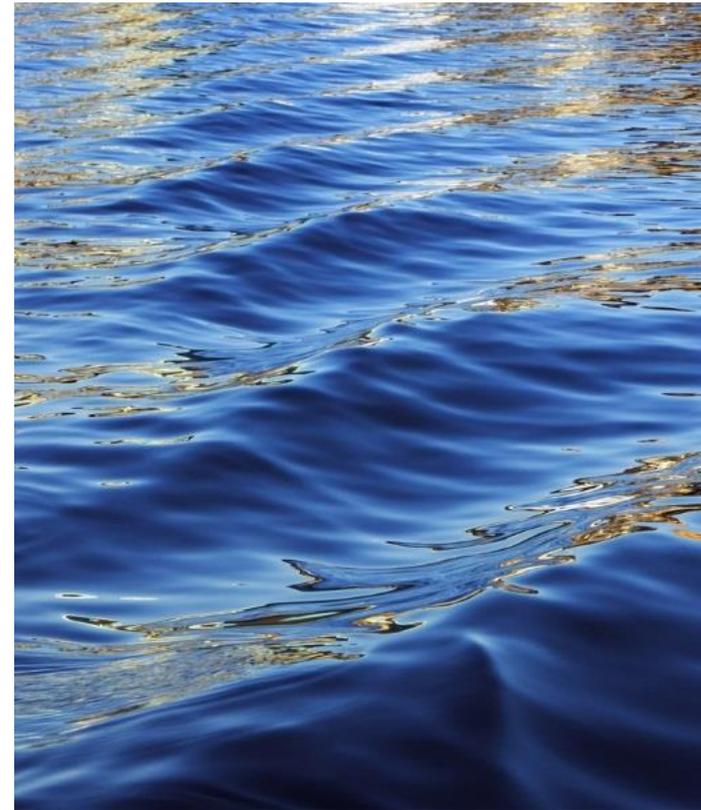


USDA Climate Change Strategy

William Hohenstein

Director, Office of Energy and
Environmental Policy

US Department of Agriculture



U.S. Economy-Wide Climate Change Goals

- The Biden-Harris Administration has called for a whole-of-government approach to achieve **net-zero greenhouse gas emissions economy-wide by 2050**, which scientists say is required to avoid the worst impacts of climate change.
- In its Nationally Determined Contribution (NDC) to the UNFCCC in April 2021, the U.S. committed to an **economy-wide target of reducing its net greenhouse gas emissions by 50-52 percent below 2005 levels in 2030**.
- Achieving these climate goals, particularly the 2030 benchmark, will take ambitious action in the next 8 years. This will require broad engagement and action across the Department.

USDA's Approach to addressing climate change

USDA Climate Priorities

- Climate-Smart Agriculture
 - Leverage Existing Programs
 - New Partnerships Program
- Climate-Smart Forestry
- Quantification and Metrics
- Adaptation and Resilience
- Build a Climate-Informed Workforce
- Research and Development
- Clean Energy and Energy Efficiency for Rural America
- Equity and Environmental Justice
- International Cooperation

USDA Climate Principles:

- Comprehensive
- Voluntary and Incentive-Based
- Equitable
- Accessible
- Cost-Effective
- Leverage Public-Private Partnership
- Support Rural Jobs and Economies



“Climate Smart” is a concept not a doctrine

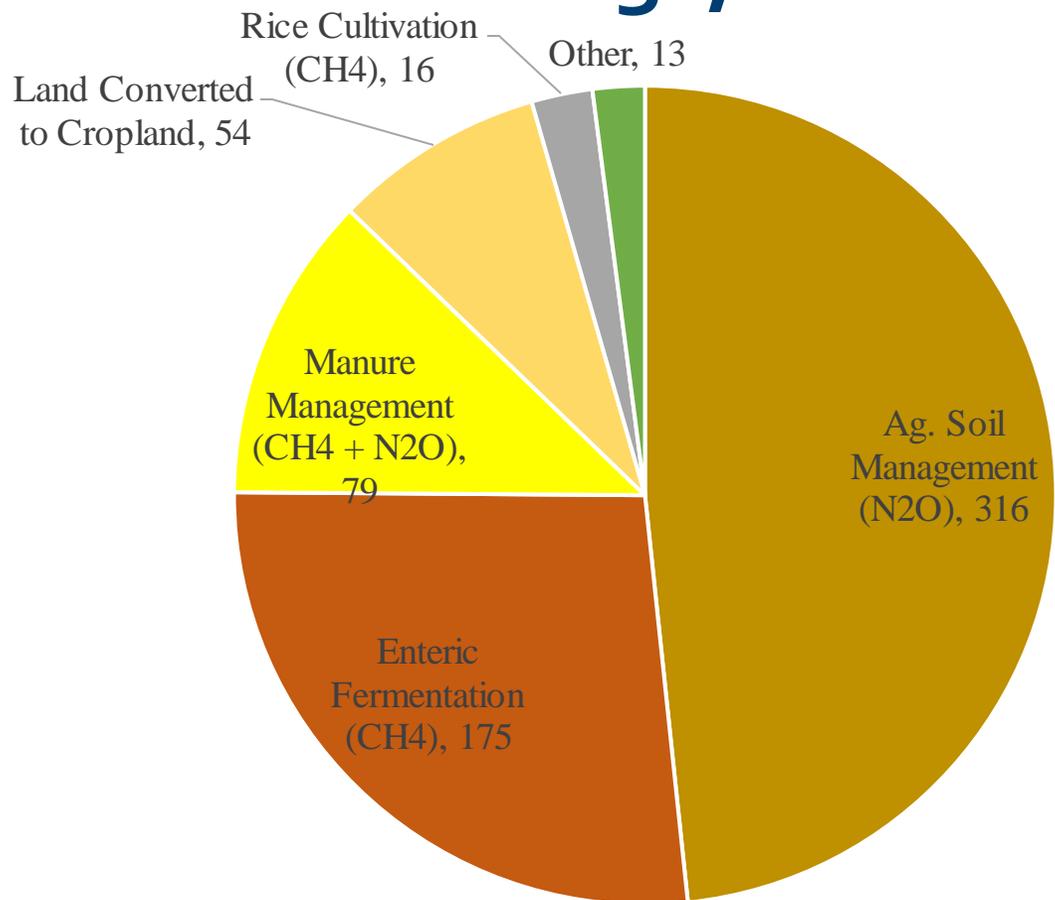
FAO: “Climate-smart agriculture (CSA) is an approach that helps guide actions to transform agri-food systems towards green and climate resilient practices... It aims to tackle three main objectives: **sustainably increasing agricultural productivity and incomes; adapting and building resilience to climate change; and reducing and/or removing greenhouse gas emissions, where possible.**”

USDA NRCS Working Definition: Climate-smart agriculture and forestry enables farmers, ranchers, and forest landowners to respond to the threats of climate change **by reducing or removing GHG emissions (mitigation) and adapting and building resilience (adaptation), while sustainably increasing agricultural productivity and incomes.**

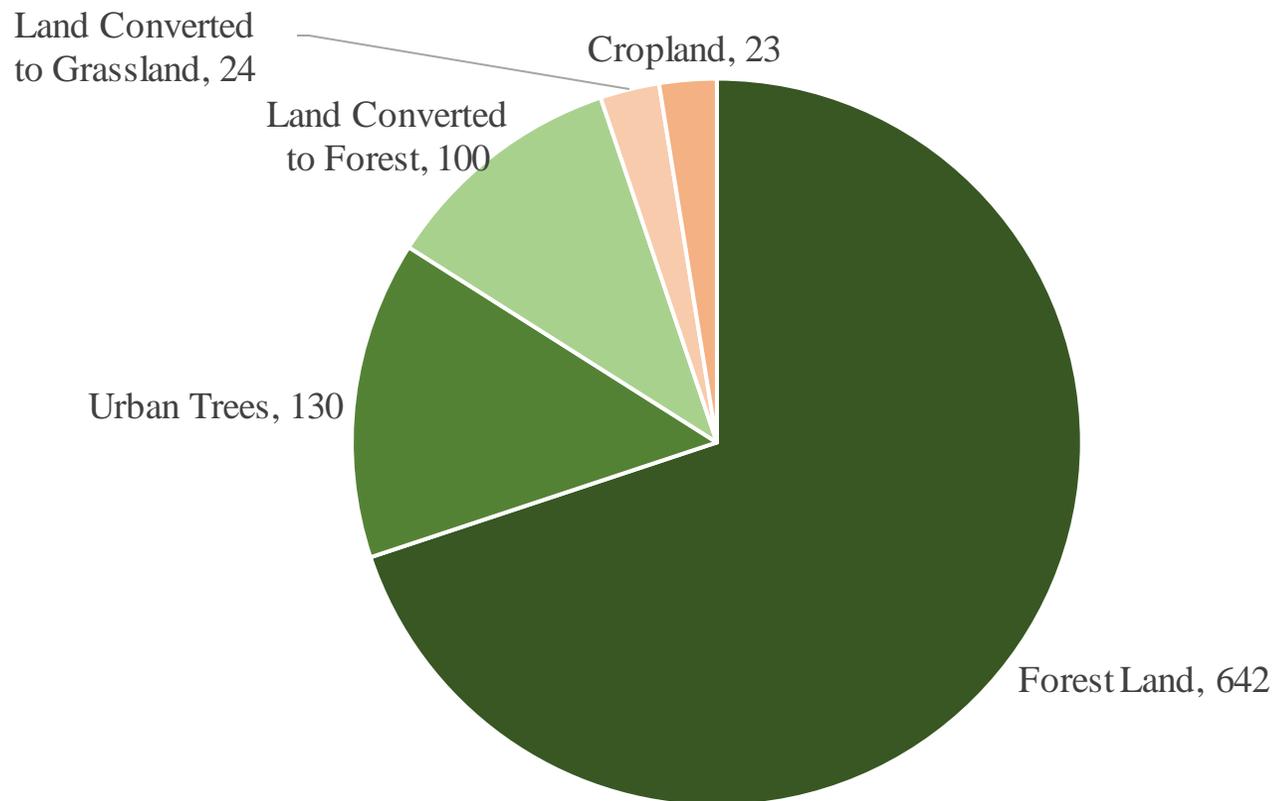
Partnerships: a “climate-smart commodity” is any agricultural commodity that is produced using agricultural (farming, ranching, or forestry) practices that **reduce greenhouse gas emissions or sequester carbon.** Adoption of these practices can produce other associated environmental benefits.

2022 IRA: ...support the implementation of conservation projects that assist agricultural producers and nonindustrial private forestland owners in **directly improving soil carbon, reducing nitrogen losses, or reducing, capturing, avoiding, or sequestering carbon dioxide, methane, or nitrous oxide emissions,** associated with agricultural production.

US GHG Emissions from Agriculture, Land Use, Land Use Change, and Forests for 2020 (MMT CO₂e)



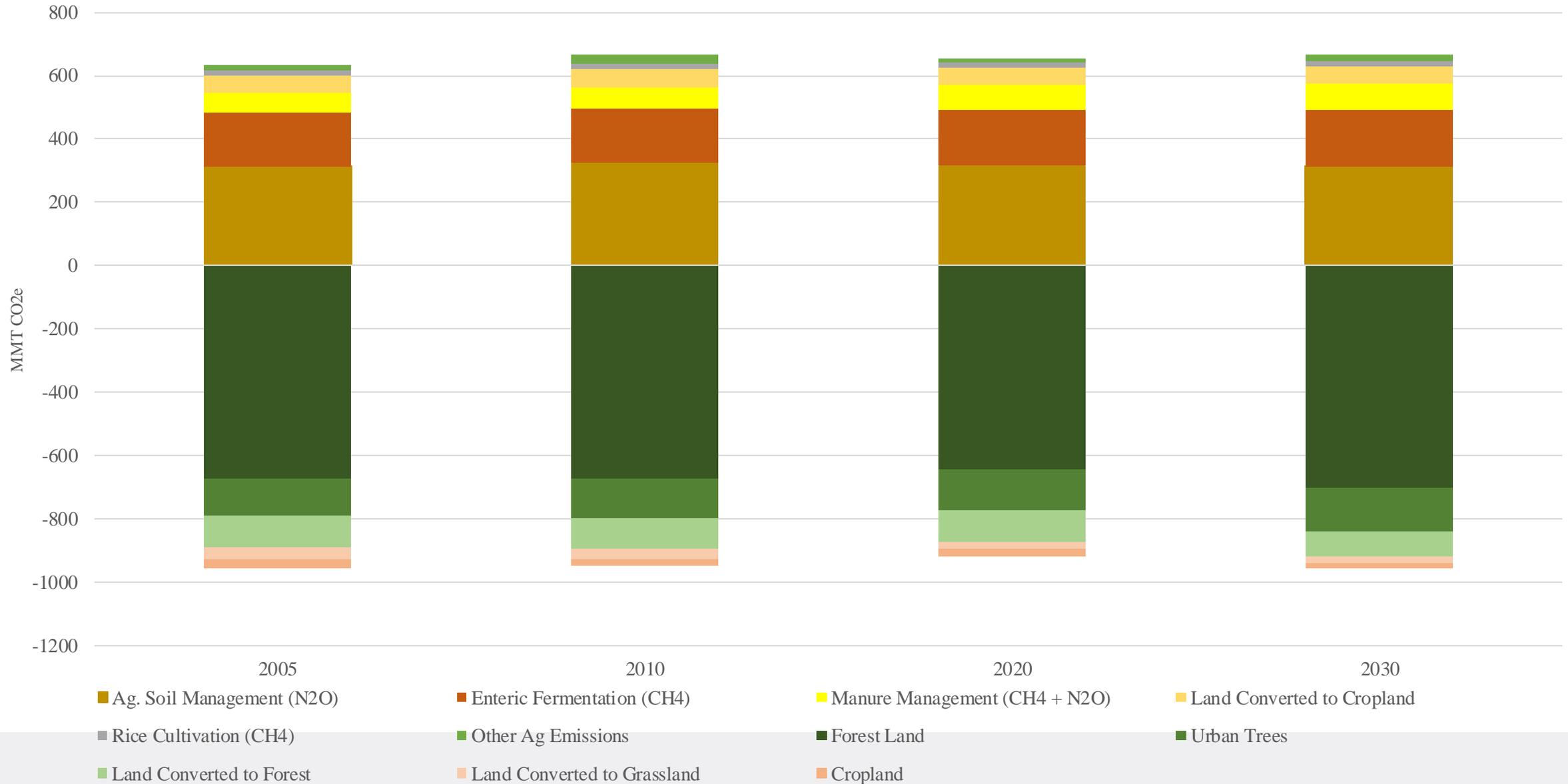
Agricultural / Land Use Sources of GHG Emissions



Agricultural / Land Use Sinks of GHG Emissions



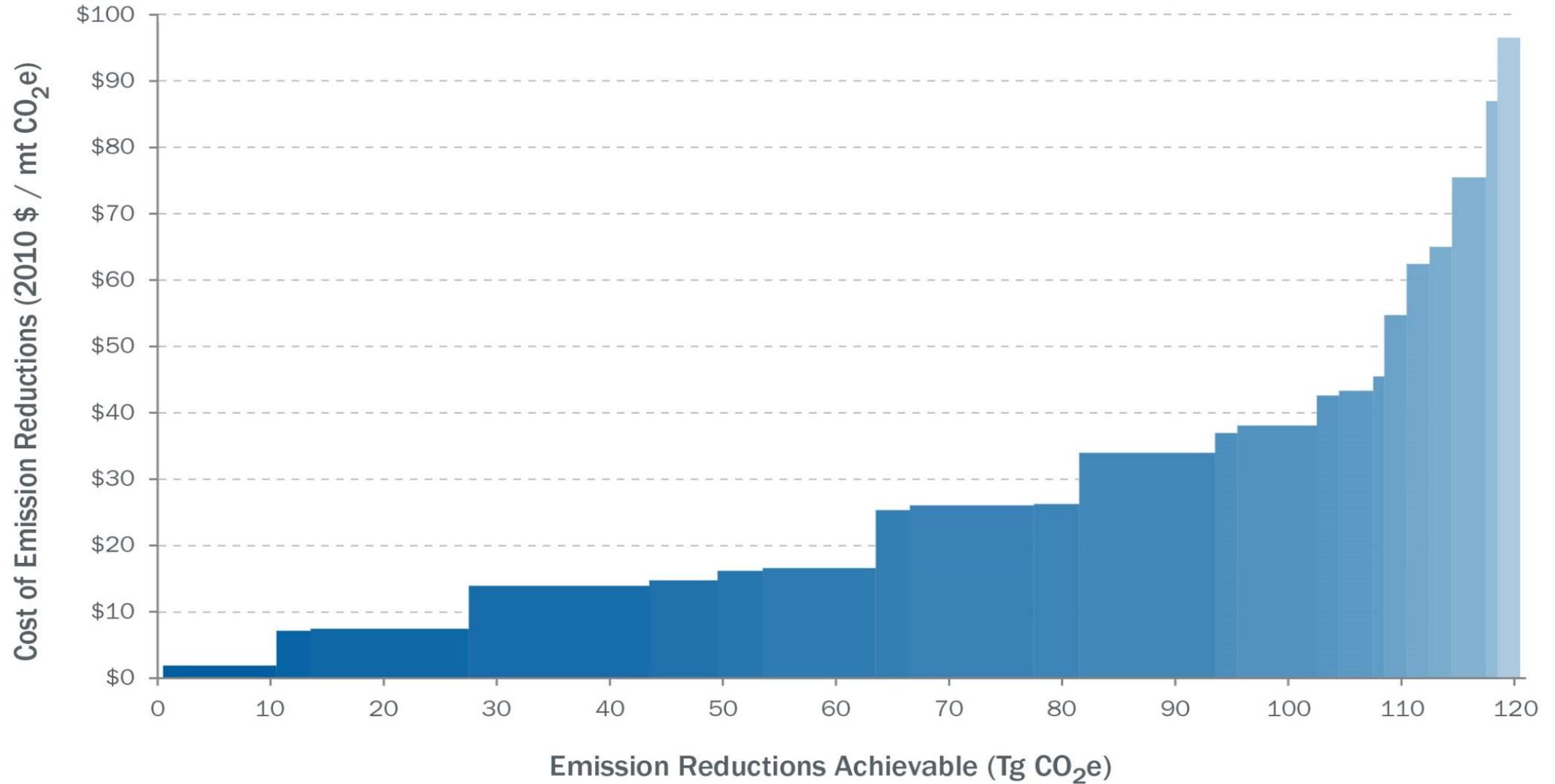
United States Baseline Projections of GHG Emissions and Sinks from Agriculture, Land Use, Land Use Change, and Forests





Mitigation Potential

United States Mitigation Costs within the Agriculture Sector -- All Options

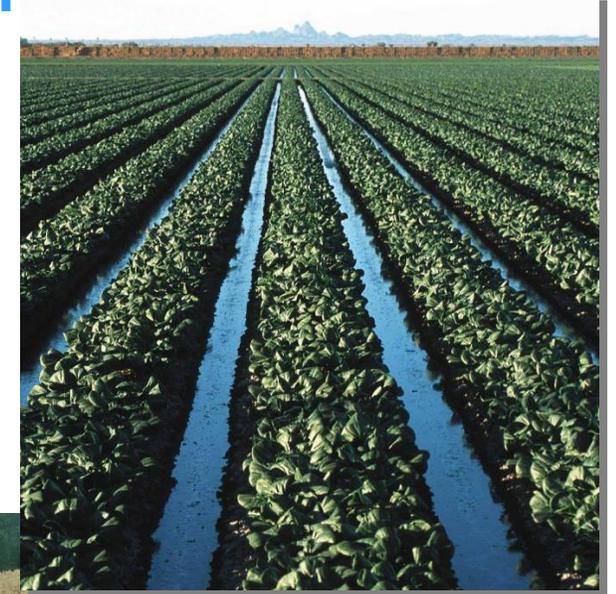


Source: ICF/USDA 2016.

Achieving this potential implies a transformation within the Agriculture Sector

Croplands

- 40-50 million new acres of conservation tillage and reduced field pass intensity
- Doubling the adoption of cover cropping, double cropping, and reducing dry land fallow
- Enhanced efficiency fertilizers, nitrogen inhibitors, and variable rate application on 100 million acres
- 4+ million acres of new buffers, wind breaks, and grassland conservation
- Reducing the frequency and duration of flooding of rice paddies on 2 million acres



Achieving this potential will require transformations within the Agriculture Sector

Animal Agriculture

- 400+ new Anaerobic digesters
- Thousands covers on anaerobic lagoons
- Millions of acres of improved and rotational grazing
- Commercial availability of improved feed management and effective feed additives



Expanding Investment in Climate Smart Agriculture

Existing Farm Bill Title II Conservation and Title IX Energy programs

- Integrating GHG benefits into programs
- Tracking progress through reporting

Expansion of Farm Bill Title II through 2022 IRA

- 19+ Billion in funding for conservation
- Additional funding for on-farm energy projects
- Targeting GHG benefits
- Focus on MMRV

Partnerships for Climate Smart Commodities

- Leverage consumer demand
- Private Sector supply chains
- Returning value to producers

Facilitate Private Carbon Offset Markets

- Quantification systems/MMRV
- Pilots and demonstrations
- Reducing confusion
- Lowering transaction costs

General public
investment

Targeted public
investment

Joint public/private
investment

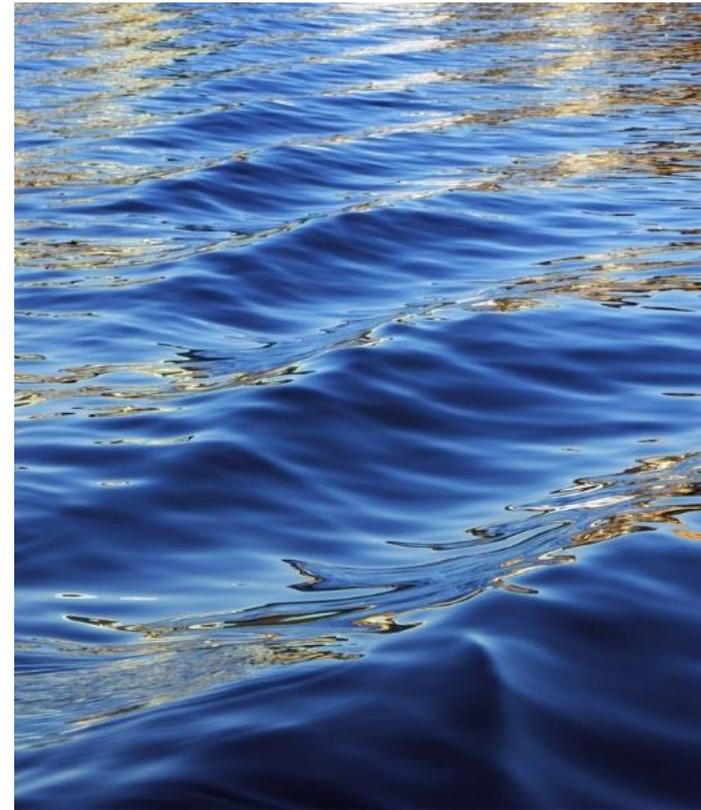
Private
investment

Partnerships for Climate-Smart Commodities

Katina Hanson

Senior Advisor for Climate-Smart
Commodities

Farm Production & Conservation Mission
US Department of Agriculture



Notice of Funding Opportunity Summary

- Up to approximately \$1 billion (increased to over \$3 billion) for **Partnerships for Climate-Smart Commodities** projects, which will build markets and invest in America's climate-smart farmers, ranchers and forest owners to strengthen U.S. rural and agricultural communities





First Funding Pool Highlights

- Agriculture Secretary Tom Vilsack announced September 14, 2022:

The U.S. Department of Agriculture is investing up to **\$2.8 billion** in **70 selected** projects under the first funding pool of Partnerships for Climate-Smart Commodities.

- Ultimately, USDA's anticipated investment will triple to more than \$3 billion in pilots that will create market opportunities for American commodities produced using climate-smart production practices.
- Applicants submitted more than 450 project proposals in this first funding pool, and the strength of the projects identified led USDA to increase its investment in this opportunity from the initial \$1 billion Vilsack announced earlier this year.



First Funding Pool Submissions

- The first round closed on May 6 and included over 450 proposals ranging from \$5 million to \$100 million each.
- The applications came from over 350 groups and covered every state in our nation, as well as tribal lands, the District of Columbia and Puerto Rico, which demonstrates the tremendous geographic scope of this need.
- Proposals received that request more than \$18 billion and offer to match more than \$8 billion in nonfederal dollars were ranked against the technical criteria in the funding opportunity.

Key Principles

- Focused on creating new opportunities and markets for agriculture and forestry
- Focused on partnerships
- Voluntary and incentive-based
- Farmer, rancher, and landowner-led
- Accessible to small and/or underserved producers
- Accessible to early adopters

Benefits for Commodity Markets



Projects will:

- Create new market opportunities through the production of commodities that meet the growing demand for sustainable products.
- Empower American farmers, ranchers and forest landowners to produce-climate smart commodities, meeting domestic and global consumer demand.

Partnerships for Climate- Smart Commodities



- Through the Partnerships for Climate-Smart Commodities, USDA will support the production and marketing of climate-smart commodities through a set of pilot projects that provide voluntary incentives through partners to producers and landowners, including early adopters, to:
 - a. implement climate-smart production practices, activities, and systems on working lands,
 - b. measure/quantify, monitor and verify the carbon and greenhouse gas (GHG) benefits associated with those practices, and
 - c. develop markets and promote the resulting climate-smart commodities.

What is a Climate-Smart Commodity?



For the purposes of this funding opportunity, a “climate-smart commodity” is any agricultural commodity that is produced using agricultural (farming, ranching, or forestry) practices that reduce greenhouse gas emissions or sequester carbon.

Commodities broadly include many different crops including:

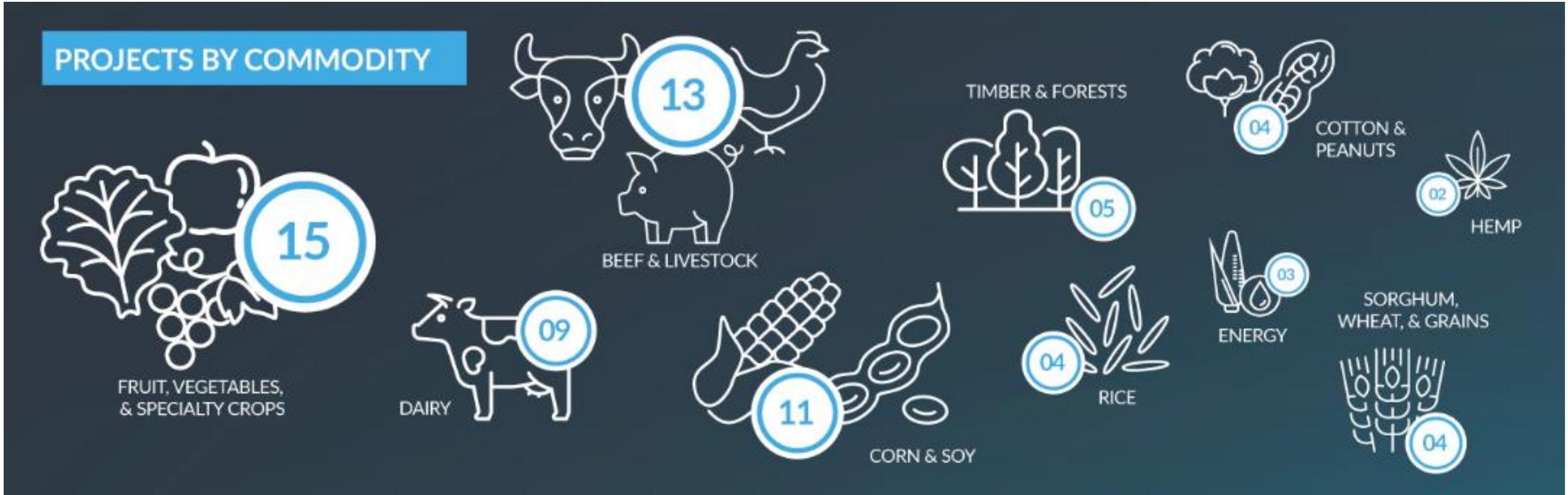
fruits	forage crops
vegetables	timber
grains	forestry products
cotton	specialty crops
peanuts	organic crops
oilseeds	indigenous
livestock	crops
dairy	

Incentives for Producers



- Sufficient incentives to encourage producer participation, as well as, generation of verifiable greenhouse gas reductions and carbon sequestration are critical to project success and will be considered in the evaluation criteria.
- All projects must provide direct, meaningful benefits to production agriculture, including for small and underserved producers.

Projects by Commodity



Investments & Awards

PROPOSAL INVESTMENTS

Proposals for the

70 → **50%**

selected projects include plans to match

On average over

of the federal investment with nonfederal funds.

PROJECTS BY AWARD SIZE*

25



\$25M-45M

22 \$5-20M

09 \$50M-65M

14 \$70M-95M

Higher Education Partnerships



50+

universities, including multiple **minority-serving institutions**, engaged and helping advance projects.

Land & Markets



50,000+

farms reached, encompassing

25M+

acres of working land
engaged in climate-smart
production practices.



Hundreds of expanded markets

and revenue streams for producers and
commodities across agriculture ranging
from **traditional corn** to **specialty crops**.

Estimated Greenhouse Gas Benefits



More than **50 million metric tons** of carbon dioxide equivalent sequestered over the lives of the projects. This is equivalent to removing more than **10 million gasoline-powered** passenger vehicles from the road for one year.



First Funding Pool Project Examples

- **Scaling Methane Emissions Reductions and Soil Carbon Sequestration:** Through this project, Dairy Farmers of America (DFA) climate-smart pilots will directly connect the on-farm greenhouse gas reductions with the low-carbon dairy market opportunity. DFA will use its cooperative business model to ensure that the collective financial benefits are captured at the farm, creating a compelling opportunity to establish a powerful self-sustaining circular economy model benefiting U.S. agriculture, including underserved producers.
- Lead partner: Dairy Farmers of America, Inc.



First Funding Pool Project Examples

- **The Soil Inventory Project Partnership for Impact and Demand:**
This project will build climate-smart markets, streamline field data collection and combine sample results with modeling to make impact quantifications accurate and locally specific but also scalable. Targeted farms produce value-added and direct-to-consumer specialty crops as well as the 19 most common row crops in the United States.
- Lead partner: The Meridian Institute

First Funding Pool Project Examples

- **The Grass is Greener on the Other Side: Developing Climate-Smart Beef and Bison Commodities:** This project will create market opportunities for beef and bison producers who utilize climate-smart agriculture grazing and land management practices. The project will guide and educate producers on climate-smart practices most suited for their operations, manage large-scale climate-smart data that will be used by producers to improve decision-making, and directly impact market demand for climate-smart beef/bison commodity markets.
- Lead university: South Dakota State University

Examples of What Ag Groups are saying:

American Farm Bureau President Zippy Duvall

“AFBF congratulates the organizations that were selected for USDA’s Partnerships for Climate-Smart Commodities. We are pleased that several projects that received support from AFBF and involve state Farm Bureaus were selected to receive funding. AFBF is proud to be a founding member of the Food and Agriculture Climate Alliance, which believes conservation goals should be voluntary and market-driven. We’re pleased that USDA based the program on FACA recommendations, and believe this is a positive step toward advancing conservation solutions that respect farmers as partners.”

International Fresh Produce Association Chief Science Officer Max Teplitski, PhD

“IFPA applauds the USDA investment into all climate-smart projects and is especially motivated by USDA’s strong commitment to projects impacting specialty crops. We are thrilled to see the ‘Vibrant Future’ project funded, as an investment into specialty crops is especially timely. This funding will allow us to ‘test-drive’ technologies that are climate-smart and also ensure financial sustainability of grower operations, develop marketing strategies to educate consumers on how fresh fruit, vegetable and floral industry contributes to alleviating the climate crisis and – importantly – gather data that will enable our industry to participate in the Green Economy.”

Field to Market President Scott Herndon

“The transition to climate-smart agricultural practices is a journey that many farmers cannot undertake alone. We are incredibly grateful to be selected as a recipient of this funding, as it allows us to increase the availability of innovative strategies that reduce the financial and agronomic risks for farmers in adopting climate-smart practices.”

Examples of What Groups are saying:

**US Sugar Beet Association
President Cassie Bladow**

"On behalf of the US Beet Sugar Association and its members, I want to thank Secretary Vilsack and Under-Secretary Bonnie for recognizing our efforts towards a climate-smart agricultural future. Every day, our cooperative-owned members utilize cutting-edge technology to ensure our products are reliable and sustainable. We look forward to expanding these methods with our project partners and the USDA."

National Cotton Council Chairman Ted Schneider

"The U.S. cotton industry is committed to sustainability and to protecting the environment...The U.S. cotton industry is honored to partner with USDA on this very important environmental enterprise. We look forward to working with Secretary Vilsack on future climate-smart programs not only to build and expand market opportunities for U.S. cotton but be global leaders in mitigating the impact of climate change through voluntary and innovative conservation practices."

**National Council of Farmers Cooperatives
President & CEO Chuck Conner**

"The Secretary's announcement today represents a significant commitment by USDA and the federal government to helping America's farmers, ranchers, and growers adopt climate smart farming practices and measure the positive impacts they have on reaching this country's climate goals. It is especially heartening to see that some 10% of the projects are either being led by or have major participation by farmer cooperatives. This illustrates not just the commitment of co-ops to climate-smart agriculture, but that co-ops can bring these benefits to the greatest number of producers while serving to connect them to other partners up and down the food and ag value chain."

**National Milk Producers Federation
President and CEO Jim Mulhern**

"America's dairy community applauds USDA's support for the robust efforts dairy farmers are leading to develop and implement climate-smart solutions that will benefit the entire food chain, from producer to consumer. As an agricultural leader in sustainability, dairy farmers appreciate this funding that will help us meet our ambitious industry-wide goals for net-zero emissions and optimized water use."

Examples of What Groups are saying:

The Nature Conservancy Director for Science in North America Joe Fargione

“Climate change is the greatest environmental challenge of our time, and farmers are on the frontlines. Putting more trees in agricultural landscapes is a win for farmers and a win for nature. It reduces greenhouse gas emissions by storing more carbon in the soil, and it helps farmers’ bottom line by creating an expanded revenue stream.”

Environmental Defense Fund

Vice President of Climate-Smart Agriculture Britt Groosman

“USDA saw overwhelming interest from farmers, ranchers and foresters to accelerate agriculture’s capacity to deliver climate benefits. The agency met the moment, nearly tripling their original \$1 billion commitment and creating a dedicated pool of funding for climate projects that expand opportunities for farmers of color, beginning farmers and other historically marginalized producers. This is the decisive decade for determining what our climate future will be. Agriculture currently contributes 10% of U.S. emissions, but it has enormous capacity to be part of the solution. USDA’s increased investment will equip producers to cut emissions and make their businesses more resilient. It will boost scientific research to measure climate progress over time.”

Rural Investment to Protect Our Environment Executive Director Aliza Drewes

“We are honored that USDA sees the potential in our approach to paying producers fairly for conservation. USDA’s willingness to pilot the RIPE100 concept signals a national appetite for game-changing solutions and recognizes many producers’ desire to move away from cost-share.”

Food and Agriculture Climate Alliance

“The Food and Agriculture Climate Alliance (FACA) commends the U.S. Department of Agriculture for its consideration and selection of pilot projects through its Partnerships for Climate-Smart Commodities.”

Sharing Information Internationally



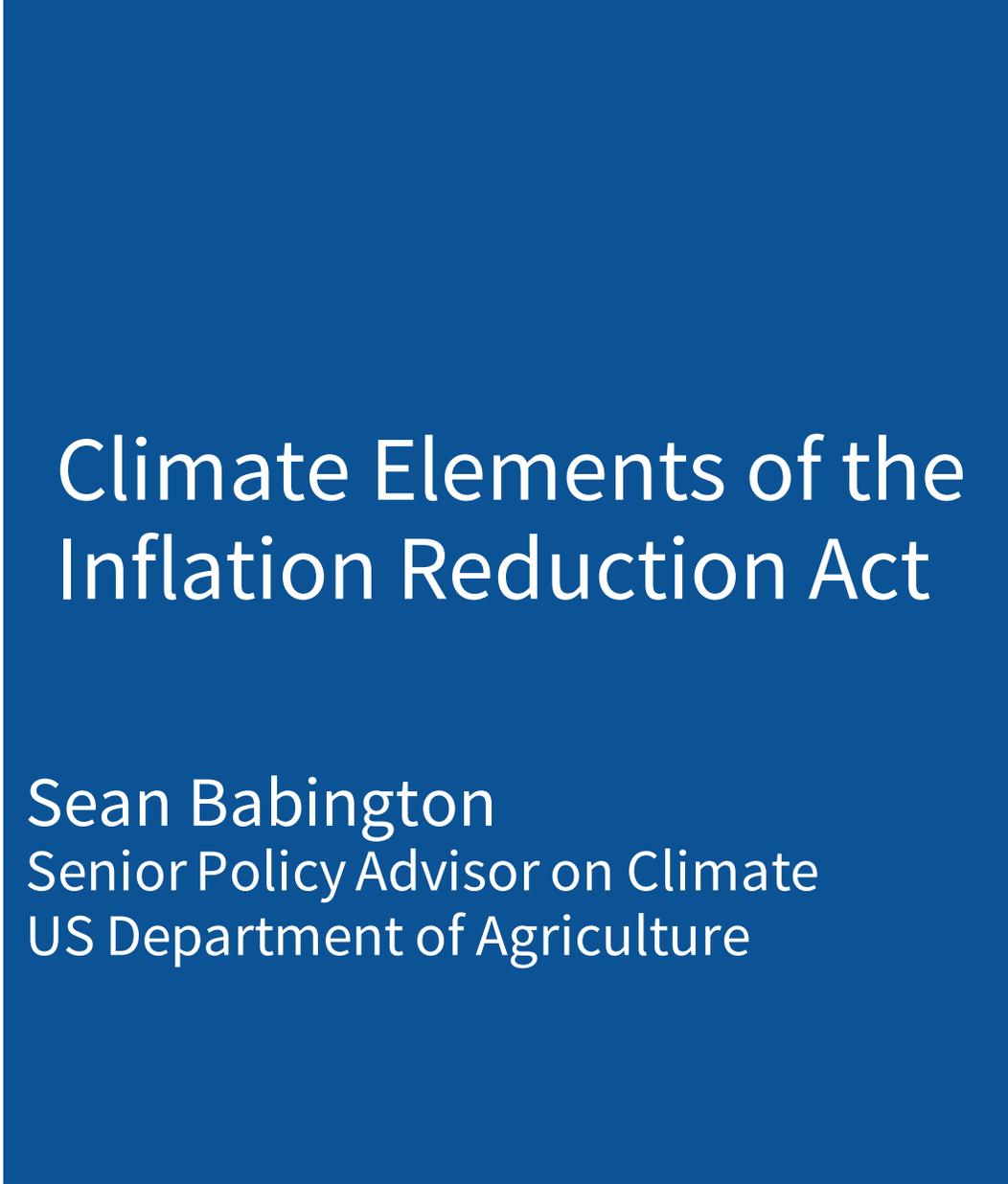
- All Partnerships for Climate-Smart Commodities projects will be required to participate in a Partnerships Network, which will bring partners together virtually or in-person on a regular basis to share learnings.
- USDA will summarize and publish important information from these gatherings, as well as consolidated data from required project reporting.
- Through Partnerships for Climate-Smart Commodities, USDA is delivering on the promise of positioning American agriculture as a global leader in delivering voluntary, incentives-driven, market-based climate solutions.
- Project findings – including summary data – will be shared publicly to further this goal.

More Information

Visit www.usda.gov/climate-smart-commodities

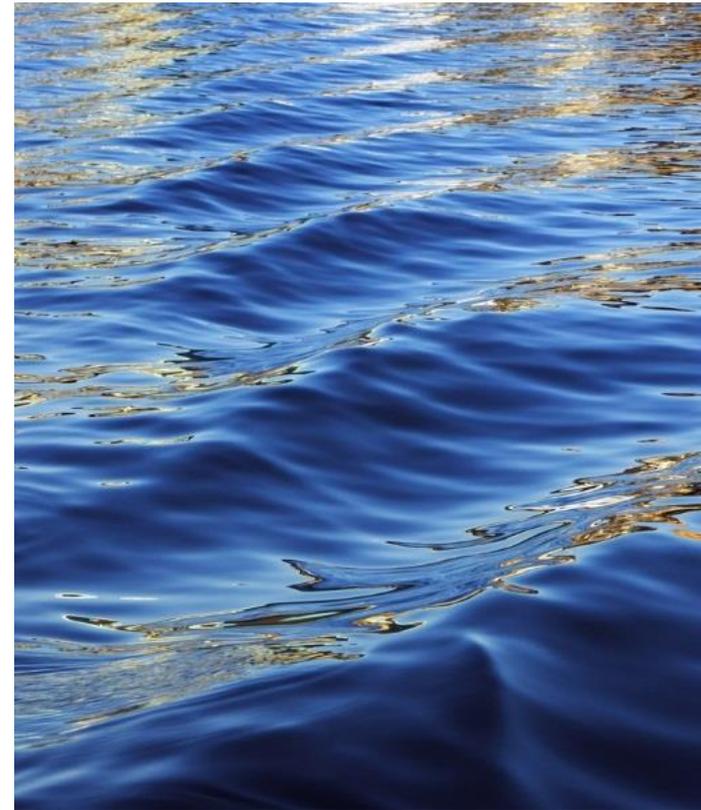


USDA is an equal opportunity lender, provider and employer.



Climate Elements of the Inflation Reduction Act

Sean Babington
Senior Policy Advisor on Climate
US Department of Agriculture



The Inflation Reduction Act (IRA) and USDA:

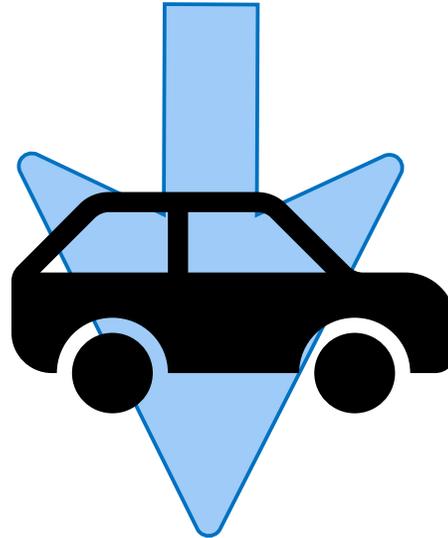
Creating Opportunity and Addressing Climate Change through Investments in Agriculture and Rural Communities



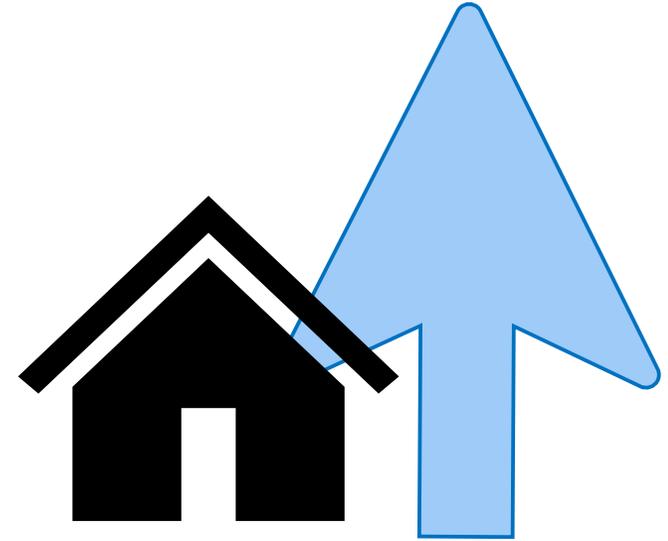
- Nearly **\$40 billion** for USDA over the next 10 years to improve life and livelihoods in rural communities.
- Specific investments include:
 - **\$19.3 billion** for **climate-smart agriculture** on farms, ranches, and forests
 - **\$13.4 billion** to lower costs for families and support good-paying **clean energy jobs** in rural communities
 - **\$5 billion** to **protect communities from wildfires and conserve forests**
- Investments will provide new sources of on-farm income and employment in rural communities, reduce energy costs, and help secure and strengthen American agriculture in the face of climate change, all while achieving significant reductions in greenhouse gas emissions.

Conservation and Forest Provisions will...

Reduce, avoid,
or sequester
over **130 million**
metric tons of
GHG per year by
2030



Removing 28 million
cars from the road



Powering over 25
million homes

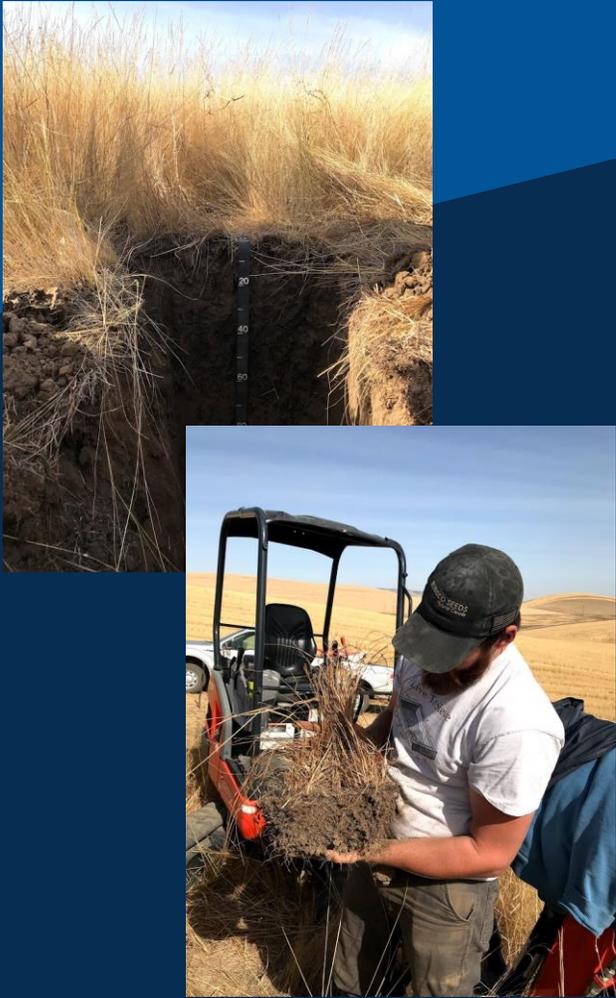
IRA - Agriculture Conservation Provisions

Investing in farmers, ranchers, and forest landowners working to address the climate crisis



- **\$19 billion** for climate-smart farmers, ranchers, and private forest landowners working to reduce greenhouse gas emissions, increase storage of carbon on their lands, and make their operations more productive.
- Enable USDA to meet farmer and rancher demand through a suite of USDA conservation programs. These investments are estimated to:
 - **Help hundreds of thousands of farmers and ranchers apply conservation to millions of acres of land.**
 - **Benefit thousands of livestock farms per year, improving livestock operations across the United States.**
- These actions will position agriculture to contribute significantly to climate mitigation and help meet the Nation's climate goals while continuing to produce the food, feed and fiber required to meet food security needs in the U.S. and around the world.

GHG Inventory and Assessment Provisions



- Increasing our knowledge to ensure USDA is providing the best scientific information related to greenhouse gases in agriculture with a program to quantify carbon sequestration and carbon dioxide, methane, and nitrous oxide emissions from US agricultural and forestry operations.
- The program will use field-based data to assess the effects of conservation practices on carbon sequestration and reductions in emissions while tracking the trends through the USDA Greenhouse Gas Inventory and Assessment Program.
- The investments will enable USDA to better understand and document how management improvements implemented help those producers successfully adapt to climate change and contribute to climate mitigation.

Protecting communities from wildfires and extreme heat, and boosting forest carbon sequestration



\$5 billion to protect communities from the risks of extreme wildfires, conserve forests with significant carbon sequestration benefits, and cool communities vulnerable to the threats of extreme heat.

Protecting Forests and Communities



IRA investments will provide communities the resources and tools they need to prepare for and adapt to a changing climate. These investments will help to:

- **Mitigate wildfire on federal, state, Tribal and private lands, reducing exposure to community infrastructure, public source water, utility corridors, and other critical values.**
- **Restore hundreds of thousands of acres of additional federal lands.**
- **Increase carbon sequestration and forest resilience on non-federal land.**
- **Invest a once-in-a-generation \$1.5 billion to plant and maintain trees in underserved urban communities.**

IRA - Rural Development Provisions

\$13.4 billion for the long-term resilience, reliability, and affordability of rural electric systems.



- The investment will support financial assistance to purchase renewable energy, other zero-emission systems, and energy efficiency improvements that will achieve the greatest reduction in greenhouse gas emissions associated with the rural electric system.
- This represents the biggest investment to rural electric cooperatives since the enactment of the Rural Electrification Act in 1936.
 - Overall, the provisions in this legislation will help the **42 million rural Americans served by** rural electric coops transition to cleaner sources of electricity. Provide \$1 billion to finance renewable energy projects at utility scale.
- Additionally, USDA will receive over \$2.7 billion to:
 - **Support renewable energy and energy efficiency projects for more than 41,500 farms and small businesses through the Rural Energy for America Program.**
 - **Expand availability of biofuels to another 4,600 retailers with funding for biofuels infrastructure through the Biofuel Infrastructure Program.**

Systems, Equipment, Improvements

Provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. Agricultural producers may also apply for new energy efficient equipment and new system loans for agricultural production and processing.

Available Funding

- Grants can cover up to 50% of total eligible project costs
- Loan Guarantees on loans can cover up to 75% of total eligible project costs
- **Combined** grant and loan guarantee funding can cover up to 75% of total eligible project costs



Renewable Energy Eligible Projects



Solar



Wind



Small Hydroelectric
(below 30 megawatts)



Anaerobic Digesters



Biomass



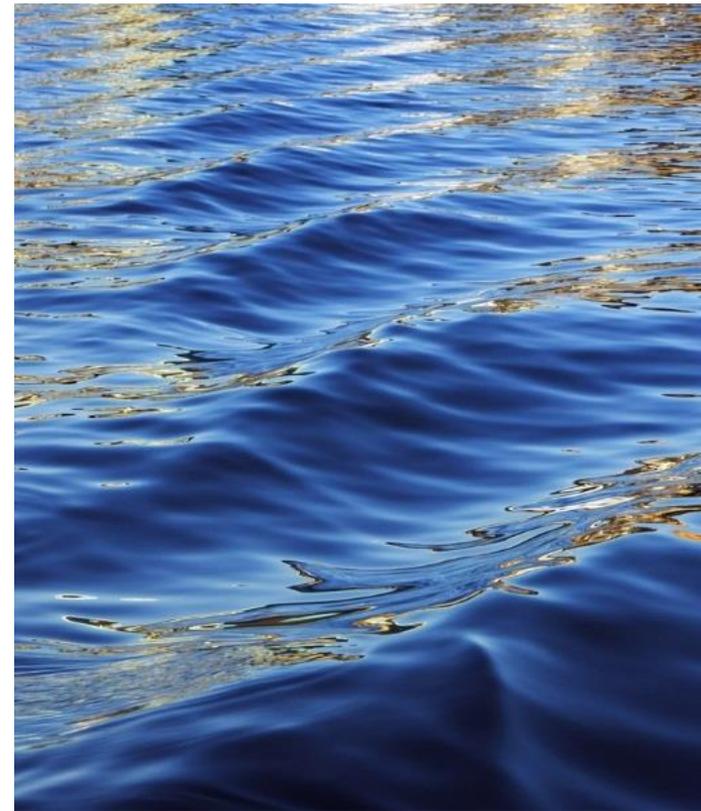
Geothermal



Wave/Ocean Power

International Coalitions and Collaboration

Jeremy Adamson
Senior Policy Advisor
US Department of Agriculture





Presidents Emergency
Response to
Adaptation and
Resilience
PREPARE

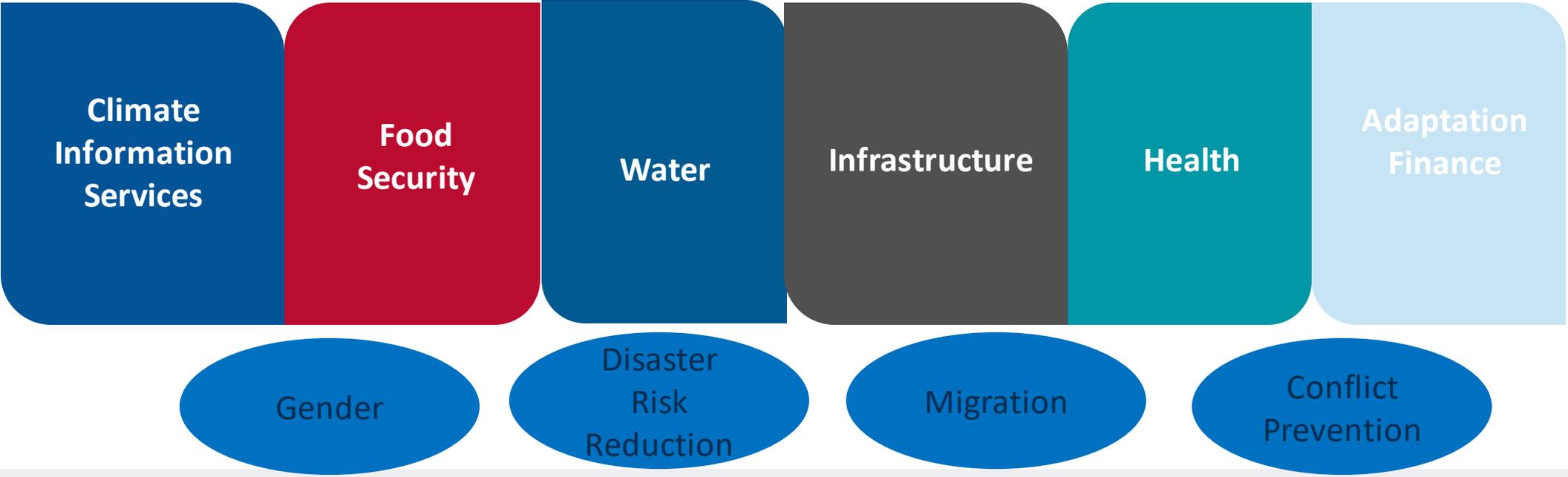
- A coordinated, **whole-of-government** approach that brings together the diplomatic, development, and technical expertise of the United States to help more than **half a billion people** in developing countries adapt to and manage the impacts of climate change by 2030
- Cornerstone initiative in foreign policy and development that continues **throughout multiple U.S. Presidential Administrations**
- Landmark investment of \$3 billion annually from FY24
- A focus on **scaling, impact, and local leadership**
- **Three Key Components**



AREAS OF FOCUS WITHIN PREPARE

Focal Areas & Crosscutting Considerations

UNFCCC Definition of Adaptation: Human-driven adjustments in ecological, social or economic systems or policy processes, in response to actual or expected climate stimuli and their effects or impacts.





The Agriculture Innovation Mission for Climate (AIM for Climate)

- Launched at COP26, the **Agriculture Innovation Mission for Climate** is a 5-year (2021-2025) initiative co-led by the United Arab Emirates and the United States that seeks to enable global partnerships and solutions at the intersection of agriculture and climate change.
- GOAL: To increase and accelerate agriculture and food systems innovation in support of climate action.

Note: innovation = research, development, demonstration, deployment

- OBJECTIVES:



THERE ARE THREE AVENUES FOR PARTICIPATION

1 Government
Partner

2 Innovation
Sprint Partner

3 Knowledge
Partner

What is an AIM for Climate Innovation Sprint?

An innovation sprint is an increase in investment to achieve a specific, measurable outcome or output in agriculture innovation for climate-smart agriculture.

Innovation sprints are encouraged to be bold, ambitious and completed in an expedited timeframe.

What is an AIM for Climate Ideation?

AIM for Climate "Ideations" offer an opportunity for Government Partners, Innovation Sprint Partners and Knowledge Partners to further support the goal and objectives of the initiative by hosting events and activities throughout the year.

AIM for Climate partners may wish to consider Ideations that enable: insight sharing, innovation collaboration, institutional capacity building, coordination, demonstration and deployment.

Recordings are available!

**AIM for Climate Innovation Sprints:
Smallholder Farmers in Low- & Middle-Income Countries**

📅 27 Apr 2022
🕒 9:00AM - 10:30AM EDT
📍 Virtual
🏷️ Ideation

The webinar recording is available [here](#).

This was the third session of a four-part **Ideation** series on **AIM for Climate Innovation Sprints 2022 focal areas** hosted by the **United Nations Foundation**. During this session, we examined climate-smart agricultural solutions that benefit smallholder farmers in low- and middle-income countries.

Agenda:

- Welcome: Ryan Hobert, UN Foundation
- Opening Remarks: Fatema AlMulla, UAE Ministry of Climate Change and Environment and Jaime Adams, U.S. Department of Agriculture



Keeping the Conversation Going: AIM for Climate's Newest Innovation Tool

The screenshot shows the AIM-CLIMATE website interface. At the top, there is a navigation bar with 'Home' and a search box. Below this is a banner for 'Agriculture Innovation Mission for Climate' with the tagline 'Working to enable solutions at the intersection of agriculture and climate.' The main content area is divided into three columns of mission cards:

- Live Innovation Sprints:** 'AgMission: Cultivating Climate-Smart Solutions' by 'You' (23 hours ago). Description: 'The Foundation for Food & Agriculture Research (FFAR), U.S. Farmers & Ranchers in Action, and the World Farmers Organisation established AgMission to make agriculture net-negative for greenhouse gas emissions through comprehensive agricultural research. AgMission collaborates with farmers, ...' Includes a 'Read more' link and a '0' comment indicator.
- Emerging Technologies:** 'Agtech Accelerator: Cultivating Canadian Agtech' by 'Ryan Serbu' (2 days ago). Includes a search bar with 'AGTECH ACCELERATOR' and a description: 'Agtech Accelerator is a venture capital-backed program established by Cultivator powered by Conexus, Economic Development Regina, and Emmertech to increase the investment, innovation, and adoption of climate-smart agriculture technology. Bolstered by the \$60 Million Emmertech fund, this ...' Includes a 'Read more' link and a search bar with 'emerging-technolo...'.
- Methane Reduction:** 'Paddy Rice Innovation' by 'You' (5 days ago). Description: 'Connecting here with the Paddy Rice Research group within GRA. Open for connections and funding opportunities.' Includes tags for 'methane', 'denitrification', 'small-holder-farme...', and 'food-security'. Includes an '1' comment indicator.

At the bottom, there are two more mission cards:

- Methane Reduction:** 'Scaling Up Feed Additives and Evidence for Impacts' by 'AIMforClimate'.
- Methane Reduction:** 'Greener Cattle Initiative Funding Opportunity!' by 'AIMforClimate'.





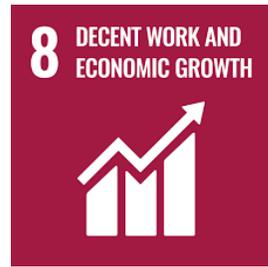
The Road to COP27

- New target of increased investment from \$4 billion pledged at COP26, to \$8 billion by COP27 in Sharm El-Sheikh, Egypt.
- Welcome new government and innovation sprint partners to be added to the more than 230 AIM for Climate Partners.
- Announce 2022 focal areas for innovation sprints: smallholder farmers in low- and middle-income countries, methane reduction, emerging technologies, and agroecological research.
- AIM for Climate Fact Sheet featuring government and innovation sprint partner contributions.
- AIM for Climate Roadshow @COP27 featuring a series of events hosted by AIM for Climate partners to advance AIM for Climate goals and objectives.



Sustainable Productivity Growth Coalition (SPG Coalition)

- The **SPG Coalition** aims to **accelerate the transition to more sustainable food systems** through productivity growth that optimizes the three dimension of sustainable development:
 - **Social**
 - **Economic**
 - **Environmental**
- **Nearly 100 members** spanning countries, farmer and producer groups, agricultural and food businesses, NGOs, civil society groups, youth groups, women’s groups, minority groups, groups representing Indigenous Peoples, UN agencies, academic groups, think tanks and research institutions.
- Coalition will contribute to advancing many of the Sustainable Development Goals (SDGs)





Global Methane Pledge

- Co-led by the US and the EU and launched at COP 26 in November 2021 in Glasgow
- Participants joining the Pledge agree to take voluntary actions to contribute to a collective effort to reduce global methane emissions at least 30 percent from 2020 levels by 2030, which could eliminate over 0.2°C warming by 2050.
- With 122 countries on board, representing nearly 50% of global anthropogenic methane emissions and over two thirds of global GDP, we are well on our way to achieving the Pledge goal and preventing more than 8 gigatons of carbon dioxide equivalent emissions from reaching the atmosphere annually by 2030.
- Non-government support includes the Climate and Clean Air Coalition, AIM for Climate, Global Dairy Platform, the Green Climate Fund.

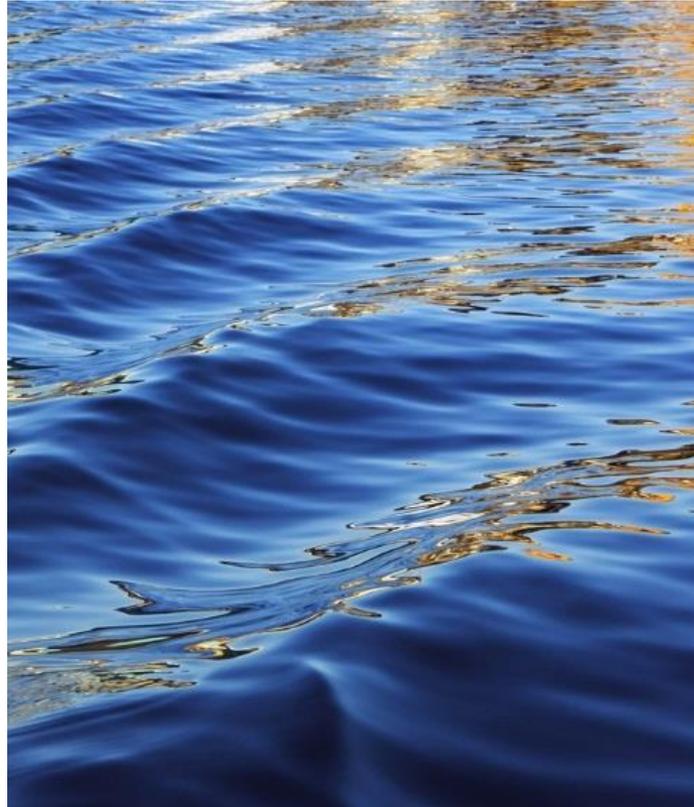


Global Fertilizer Challenge

The **Global Fertilizer Challenge** will support innovative research, demonstrations, and training to help countries with high fertilizer usage and loss adopt efficient nutrient management and alternative fertilizers and cropping systems. It will be implemented in partnership with the Agriculture Innovation Mission for Climate.

Goal of raising **\$100 million** in new funding by COP 27.

“With the right tools and partnerships, American agriculture and forestry can lead the world in solutions that will increase climate resilience, sequester carbon, enhance agricultural productivity, and maintain critical environmental benefits.” **U.S. Secretary of Agriculture Tom Vilsack**



Questions?

USDA Climate Change Outreach