



USDA Role in International Initiatives to Advance Sustainable Productivity Growth and Climate Innovation

September 28, 2022, 2:00 PM (ET)

Moderator:

—Nancy Travis, Vice President, International Affairs, Biotechnology Innovation Organization (BIO)

Speakers:

—Elise Golan, Director, Sustainable Development, Office of the Chief Economist, U.S. Department of Agriculture

—Cathy McKinnell, FAS Food Systems Summit Coordinator, Senior Policy Advisor, Trade Policy and Geographic Affairs Foreign Agricultural Service, U.S. Department of Agriculture

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Coalition on Sustainable Productivity Growth for Food Security and Resource Conservation



BIO

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Director of Sustainable Development
Office of the Chief Economist, USDA

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Senior Policy Advisor, Trade Policy and Geographic Affairs
Foreign Agricultural Service, USDA

Setting the stage

Agricultural productivity growth is critical for meeting current challenges

- The 2022 [OECD-FAO Agricultural Outlook](#) report finds that to achieve Zero Hunger and the Paris Agreement targets, agricultural productivity growth would need to increase by 28%



Agricultural productivity growth is slowing

Consequences of slowing productivity growth?



Higher food prices

Increase in food insecurity
and hunger

Increase in poverty

Increase in natural resource
use

Increase in GHG emissions

UN Sustainable Development Goals

Two targets in SDG 2 on zero hunger explicitly call for increased productivity:

- SDG 2.3: By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers...
- SDG 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.



The Coalition on Sustainable Productivity Growth for Food Security and Resource Conservation (SPG Coalition)

A coalition of action to accelerate agricultural productivity growth to sustainably meet the multiple complex challenges facing agriculture and food systems around the world



The SPG Coalition Approach

The SPG Coalition takes a **holistic** approach to productivity growth that considers impacts and tradeoffs among multiple objectives, including, but not limited to food security, nutrition, food affordability, farmer income, farm worker income and wellbeing, equity and inclusion, food loss and waste, resource conservation, biodiversity, and climate change mitigation and adaptation

The SPG Coalition Objectives

- Focus the world's attention on the importance of agricultural productivity growth.
- Contribute to closing agricultural productivity gaps and advance progress on the 17 UN Sustainable Development Goals, in particular SDG 2 on Ending Hunger.
- Provide a platform for coalition members to disseminate innovative, evidence-based approaches for sustainable productivity growth, inspire action, and identify collaborative opportunities.
- Build the knowledge base of members and non-members on sustainable productivity growth approaches and best practices.



SPG Coalition Membership

Over 100 members including 20 countries representing all regions of the world + universities and research institutions, foundations, and private industry

SPG Coalition Accomplishments

- Negotiated TORs
- Developed impactful messaging documents: “What, Why, How”
- Held Knowledge-building seminar
- Highlighted SPG in Declarations, Ministerial Statements, Int’l Org Workplans
- Conducted Outreach/Events
- UNFSS Hub Coalition Compendium
- Joined AIM4C as Knowledge Partner
- Organized Global SPG Conference



Where SPG Coalition is Headed



- Inspire new innovations, implementation, and adoption at every scale.
- Serve as a platform for disseminating innovative, evidence-based approaches
 - AIM for Climate Ideation
 - Annual Report of SPG Coalition Members' actions
- 4th Coalition Mtg Oct. 4th
- Continue to keep front and center the importance of SPG



Accelerating Agricultural Productivity Growth for a Sustainable, Resilient World

***Oct 4, National Press Club
8:00am – 11:00am***

- Virtual and in-person
- Release of the annual Global Agricultural Productivity Report (GAP report) and presentations by SPG Coalition members on concrete actions to accelerate agricultural productivity growth
- Free to attend the conference



Join Us!

Industry, academia, research organizations, NGOs, and countries are invited to join

- The SPG Coalition is voluntary, non-binding and does not require a financial contribution
- More information, including Terms of Reference and downloadable Declaration of Support are on the website

<https://www.usda.gov/oce/sustainability/spg-coalition>



Agriculture Innovation Mission for Climate

Website: www.AIMforClimate.org

Twitter: @AIMforClimate

About

Launched at COP26, the **Agriculture Innovation Mission for Climate** (AIM 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.

Website: www.AIMforClimate.org

Twitter: @AIMforClimate



GOAL

To increase and accelerate agriculture and food systems innovation in support of climate action.

Note: innovation = research, development, demonstration, deployment

OBJECTIVES

Increase investment

Demonstrate collective commitment to significantly **increase investment in agriculture innovation for climate-smart agriculture and food systems** by its participants over 5 years (2021-2025).

Enable Coordination and Collaboration

Support frameworks and structures to enable technical discussions and the promotion of expertise, knowledge, and priorities across international and national levels of innovation **to amplify the impact of participants' investments.**

Increase Cooperation

Establish appropriate structures for exchanges between Ministers and chief scientists, and other appropriate stakeholders, as key focal points and champions for cooperation on climate-related agricultural innovation, to engender greater **co-creation and cooperation on shared research priorities between countries.**

SCOPE

AIM for Climate focuses on increasing and accelerating investment in and other support for, climate-smart agricultural innovation in the areas of:

Scientific breakthroughs via basic agricultural research through national-level government and academic research institutions

Public and private applied research, including through support to international research centers, institutions, and laboratory networks

Development, demonstration, and deployment of practical, actionable, and innovative products, services, and knowledge to producers and market participants, including through national agricultural research extension systems.

Climate-Smart Agriculture (CSA)

An approach that helps to guide actions needed to transform and reorient agricultural systems to effectively support development and ensure food security in a changing climate.

CSA aims to tackle three main objectives: ***sustainably increase agricultural productivity and incomes, while adapting and building resilience to climate change and/or reducing/removing greenhouse gas emissions.***

Diversity, gender equity, and inclusion are critical to the success of the AIM for Climate initiative.

The initiative recognizes the wide range of participants necessary to achieve the AIM for Climate goal. Each participant adds value, and AIM for Climate draws on all knowledge, experiences, cultures, and embraces inclusive excellence.

Participation



THERE ARE THREE AVENUES FOR PARTICIPATION

1 Government
Partner

2 Innovation
Sprint Partner

3 Knowledge
Partner

1 Government Partner

Government participants who announce an increase in aggregate public investment in agricultural innovation for climate-smart agriculture and food systems over the next five years (2021-2025).

Responsibility, control, and oversight of investments will remain with the participant. They also support the objectives of AIM for Climate and intend to participate in its activities.



2 Innovation Sprint Partner

Non-government participants who announce an increase in aggregate self-financed investment in agricultural innovation for climate-smart agriculture and food systems over the next five years (2021-2025) to enable investment for bold ideas to foster innovation in an expedited timeframe. These partners are encouraged to facilitate innovation challenges with participation by other AIM for Climate participants, including governments.

Responsibility, control, and oversight of investments will remain with the participant unless the participant determines otherwise. Announced new investments should avoid double counting (e.g., double counting of the same investments by government and innovation sprint partners).



3 Knowledge Partner

Non-government participants, such as private research, education and extension institutions, international organizations, companies, or other NGOs who support the objectives of AIM for Climate, intend to participate in its activities, and announce an intent to amplify agricultural innovation through: insight sharing, innovation collaboration, institutional capacity building, coordination, and demonstration and deployment.



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.

To learn more: <https://www.aimforclimate.org/innovation-sprints/>

AIM for Climate Ideations

Learn more about hosting an Ideation!

Partner benefits: Amplification, highlight partner activities, opportunities for partnerships.

AIM For Climate Ideations

AIM for Climate partner-hosted events to advance AIM for Climate's goal and objectives

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.

Ideations could highlight innovations that reflect the core competencies of AIM for Climate partners. For example, an Ideation could be a virtual workshop featuring multiple partners and their projects that support the objectives of a particular AIM for Climate **innovation sprint**.

AIM for Climate partners are encouraged to work together to facilitate Ideations and lead coordination and facilitation. Ideations should be open for participation by all AIM for Climate partners and AIM for Climate intends to assist with the promotion of Ideations. A **summary of the Ideation** is requested within 2 weeks following the conclusion of an Ideation. Outcomes from Ideations may be further amplified and/or advanced at COP27.

AIM for Climate partners may wish to consider Ideations that enable:

- **Insight Sharing:**
Share best practices to increase the equitable diffusion of – and positive returns to – agricultural innovation efforts focused on adapting to and mitigating the effects of climate change.
- **Innovation Collaboration:**
Launch flexible, inclusive, and targeted innovation collaboration focused on specific innovation areas, guided by the values of openness, transparency, reciprocity, and merit-based competition. *Note: for example, this could lead to result in the development of, and/or feature existing, AIM for Climate innovation sprints.*
- **Institutional Capacity Building:**
Collaborate to increase mutual and equitable capacity for agricultural innovation focused on climate change, including efforts to enhance the efficacy

MAY 2022

11 MAY 9:00AM - 10:30AM EDT VIRTUAL IDEATION
AIM for Climate Innovation Sprints: Agroecological Research

18 MAY 15:00PM - 14:00PM ET VIRTUAL IDEATION
Scaling Up Feed Additives & Evidence for Impact

24 MAY 8:00AM - 10:00AM ET VIRTUAL
AIM for Climate Government Partner Meeting

31 MAY 9:00AM ET VIRTUAL IDEATION
CGIAR Research to End Hunger by 2030

NEXT MONTH

Are you an AIM for Climate partner and would like to host an event or activity in support of the initiative's objectives? Learn more about AIM for Climate Ideations [here](#).

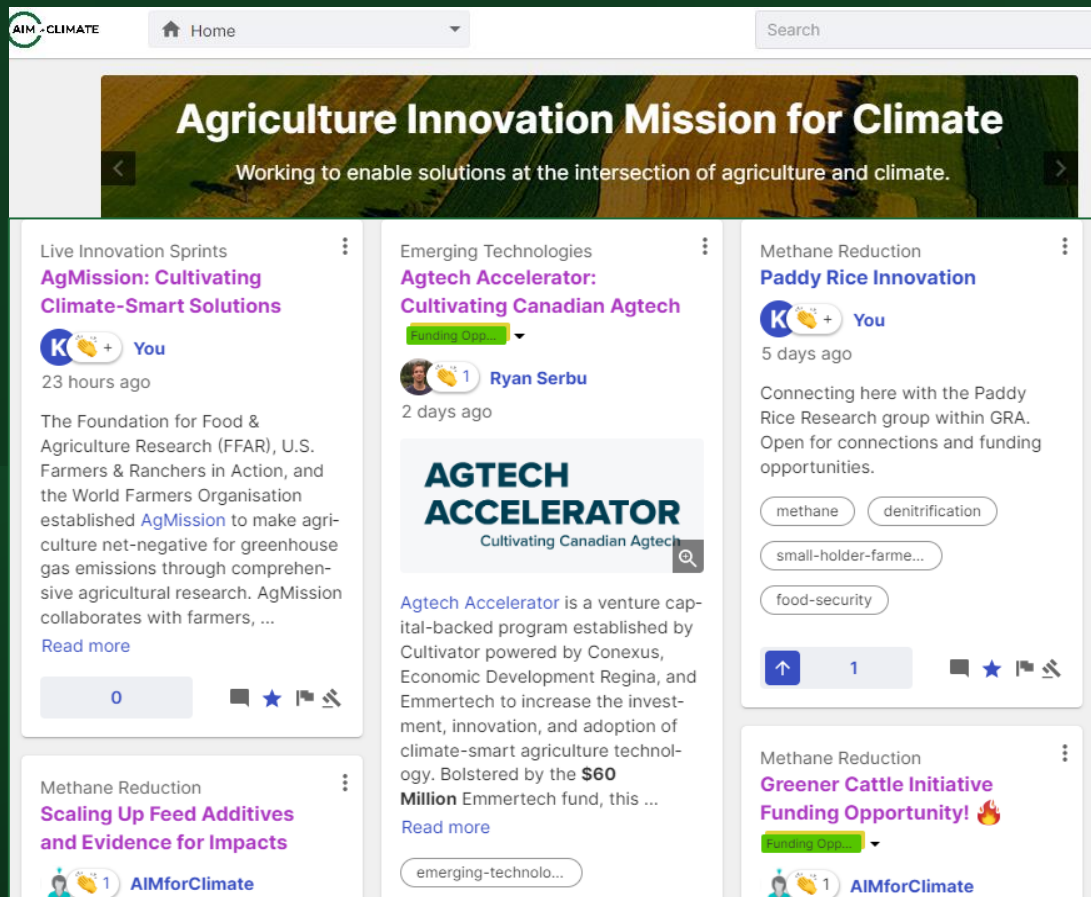
www.aimforclimate.org/aim-for-climate-ideations/
www.aimforclimate.org/events/



AIM for Climate Innovation Hub

<https://aimforclimate.ideascaleapp.com/c/>

AIM for Climate's newest innovation tool. A virtual forum, where connection and collaboration can take place in real-time — an opportunity to carry conversations beyond Ideations.



- Available in 40 languages.
- Join now for AIM for Climate partner exclusive access and post your ideas!
- Collaborate and connect!
- Launching at COP27!
- Watch the June 21 Ideation:

<https://bit.ly/3vSWUUp>

The road from COP26 to COP28...

November 2021, COP26: AIM for Climate Officially Launched!

November 2022, COP27, Egypt

Spring 2023, AIM for Climate Summit, Washington DC area

November 2023, COP28, United Arab Emirates



Thank You

For more information please visit: www.aimforclimate.org

Twitter: @AIMforClimate

Watch past events and join future:

<https://www.aimforclimate.org/events/>



Additional Background

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.

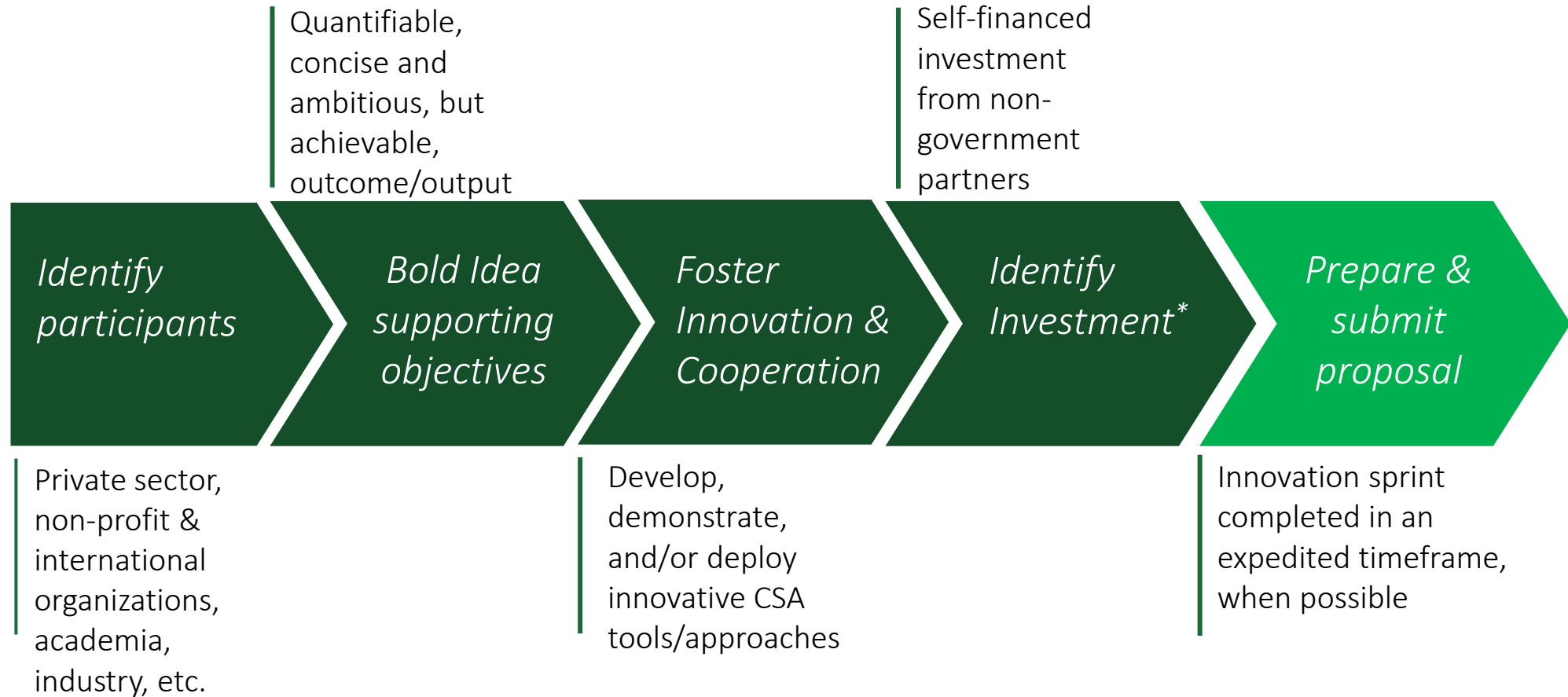
To learn more: <https://www.aimforclimate.org/aim-for-climate-ideations/>

AIM for Climate Innovation Sprint Focal Areas

AIM for Climate Innovation Sprints to be featured at COP27. In preparation for COP27, AIM for Climate has identified four focal areas for innovation sprints to be featured at COP27. Proposals for COP27 innovation sprints are encouraged to focus on one or more of the following areas:

- Smallholder farmers in low- and middle-income countries
- Methane reduction
- Emerging technologies
- Agroecological research

AIM for Climate Innovation Sprint



*From non-government partners. Responsibility, control, & oversight to remain with participants.



*AIM for Climate Ministerial
February 21, 2022 | Expo 2020 | Dubai, United Arab Emirates*

Recap 2022 AIM for Climate Ministerial

- **February 21, Dubai, Expo 2020**
- **30 government partners**
(in-person and virtual)
- **Non-government partners**
 - **Bill and Melinda Gates Foundation**
 - **IBM**
 - **The Global Methane Hub**



Recap 2022 AIM for Climate Ministerial

- New target to raise investment commitments from \$4 billion, pledged at COP26, to \$8 billion by COP27 in Sharm El-Sheikh, Egypt.
- Welcomed new government and innovation sprint partners.
- Announced **2022 focal areas for innovation sprints to be launched at COP27**: smallholder farmers in low- and middle-income countries, methane reduction, emerging technologies, and agroecological research.
- Announced **AIM for Climate Ideations** which offer partners ability to host events throughout the year in support of advancing AIM for Climate objectives. Ideations will revolve around insight sharing, innovation collaboration, institutional capacity building, coordination or demonstration and deployment.