



The Agriculture Innovation Mission (AIM) for Climate Innovation Sprint Partners, as announced at the AIM for Climate Summit, May 8 2023

- 51 Innovation Sprints: 21 announced at the AIM for Climate Summit
- \$1.8 billion in increased investment in climate-smart agriculture and food systems innovation, totalling \$3 billion
- To join the conversation with AIM for Climate partners, please visit the [AIM for Climate Innovation Hub](#).

AIM for Climate has announced 21 innovation sprints totalling an additional \$1.8 billion in increased investment in climate-smart agriculture and food systems innovation at the AIM for Climate Summit, bringing the total number of innovation sprints to 51 (over \$3 billion).

An innovation sprint is an increase in aggregate self-financed investment from non-government partners to achieve an outcome/output in agriculture innovation and for climate-smart agriculture and food systems to be completed in an expedited timeframe. AIM for Climate Innovation Sprint focal areas are: Smallholder Farmers in Low- and Middle-Income Countries; Methane Reduction; Emerging Technologies, and Agroecological Research. Innovation Sprints may include elements of more than one focal area.

A mega-sprint is defined as a collaboration between two or more innovation sprints. These mega-sprints intend to enable greater co-creation and cooperation between partners working on similar issues. Two mega-sprints have been announced at the Summit:

1. **Accelerating the delivery of climate-resilient varieties to smallholder farmers a collaboration by the “Climate Smart Rice Technology Project” (led by IRRI/USAID/Bayer) and “Innovative delivery of climate-resilient bean varieties by African research networks” (led by PABRA).** These two Innovation Sprints have overlapping geographic focus and synergistic potential. Integrated production of beans and rice can contribute to agricultural resilience and mitigation by reducing pests and diseases, lowering nitrogen fertilizer needs, and improving overall water use efficiency. To better integrate beans into rice cropping systems, these two innovation sprints will align research and value chain activities to facilitate smallholder access to optimal climate-smart varieties for rice-bean rotations that can enhance farm-level benefits.
2. **The Livestock Sector’s Global Climate Ambition a collaboration by “Pathways to Dairy Net Zero” (led by), “Livestock, Climate and System Resilience” (led by CGIAR), and “Nourishing Prosperity Alliance” (led by Land O’Lakes Venture37).** These three initiatives will identify synergies and highlight the dairy sector’s ambition to provide solutions to reducing its greenhouse gas (GHG) emissions and adapting to the impact of climate change.

Innovation Sprint Partner Summary Information (listed below in order of monetary amount, largest to smallest):

Reverte: Restoring Productivity to Degraded Cropland and Pastures

The Reverte program provides an integrated solution to recover degraded pastureland areas that involve regenerative agricultural practices, financial solutions, and input-use protocols that make available fertilizers, seeds, machinery, and pesticides for growing soy and other intercropped harvests in Cerrado, Brazil. The goal of restoring 1 million hectares of degraded pastureland by 2030 is a win-win for productivity, avoided emissions, conservation, and farmers income. The second phase (2023-2025) aims to leverage **\$460 million** to restore 255,000 hectares.

Participants: [Syngenta Group](#); [The Nature Conservancy](#); [Itau](#)

Point of Contact: Grazielle Parenti, Syngenta LATAM Head Business and Sustainability, Grazielle.parenti@syngenta.com; Julia Mangueira, The Nature Conservancy Director for Araguaia - Cerrado, julia.mangueira@tnc.org

Farmers Regenerate

TechnoServe delivers inclusive, regenerative business solutions that create living incomes, cut emissions, and protect, manage, and restore ecosystems. Through the Farmers Regenerate initiative, TechnoServe enables smallholder farmers in emerging economies to transition to regenerative production, it nworks with food processors and agribusinesses to build climate and nature-positive food systems and utilizes geospatial technology for landscape-level planning, monitoring and verification. In addition, TechnoServe will leverage **\$300 million** in public and private-sector investment to scale transformative projects around the globe.

Participants: [TechnoServe](#)

Point of Contact: Katarina Kahlmann, Chief Programs Officer, TechnoServe, kkahlmann@tns.org

Innovative Fermentation Technologies for Scalable Sustainable Protein Production

Biomass fermentation is a [resource-efficient](#) protein production method with up to 97% lower feed and water input requirements. This climate-smart, low-cost technology can be used to feed a growing population while reducing the emissions associated with protein production by up to 95%. Through a **\$228 million** global investment by 2025, this Innovation Sprint will develop fermented protein functionality and scale up these technologies to reach a broader market and bolster global food security.

Participants: [Alternative Protein International](#); [Fungi Protein Association](#); [Nature's Fynd](#); [CPT Capital](#); [Enough](#)

Point of Contact: John Murphy, Programme Manager, Alternative Protein International, john.murphy@alternativeproteinsassociation.com

Accelerating Food System Sustainability through Low-GHG Fertilizer

Using emerging technologies and extensive distribution networks, CF Industries and CHS are partnering to produce lower GHG nitrogen fertilizer to distribute to American farmers. This partnership will enable farmers and their agricultural and food company customers to reduce their upstream emissions in a certain and quantifiable way, while continuing to ensure strong crop yields. We estimate the investment in this partnership to support sustainable, climate-smart agriculture and food systems is approximately **\$200 million**.

Participants: [CF Industries](#); [CHS](#)

Point of Contact: Linda Dempsey, Vice President, Public Affairs, CF Industries, ldempsey@cfindustries.com

Scaling Climate Smart Agriculture with Carbon Finance

To scale the deployment of climate-smart agriculture, Boomitra will deliver **\$200 million** in carbon finance to farmers and ranchers in the developing world by 2025. The initiative will leverage Boomitra's proprietary AI and remote sensing technology, as well as the support of global partners, to implement projects that increase soil carbon, thereby unlocking gigaton-scale carbon removal. The \$200 million pledged represents an increased investment and is expected to remove 13M tons of carbon across 5 million acres.

Participants: [Boomitra](#)

Point of Contact: Andrea Okun, Marketing Manager, Boomitra, andrea@boomitra.com

Designing Seeds for Climate Smart Agriculture Systems

Inari has secured **\$124 million** for an Innovation Sprint to concentrate on developing high-yield, low-input crops, focusing on wheat, soybeans, and corn. The funding will allow Inari to efficiently evaluate multiple gene edits and introduce high-performance edits into locally adapted elite germplasm. Inari's Sprint will progress toward the objective of wheat that is 10% more productive; soybeans that are 20% more productive; and corn that is 10% more productive and requires 40% less water and nitrogen.

Participants: [Inari](#), [Pontifex Consulting](#); [InterGrain](#); [MS Technologies](#)

Point of Contact: Anya Gandy, Manager Sustainability, Inari, agandy@inari.com

Climate Smart Innovations, Financing & Partnerships for Food Systems Transformation

The private sector, US, Ireland, and research partners will support transforming the Malawian food system to be climate resilient, provide nutritious food, and support inclusive, sustainable growth. Deployment of **\$60+ million** in investments and innovations will support rural development with firms like Malawi Mangos and Pxyus, surrounding communities, smallholder organizations, and MSMEs through a growth pole approach and youth and gender transformative lens. Over \$200 million in additional private investments will be mobilized in five years.

Participants: [Malawi Mangos](#); [Pyxus](#); [Feed the Future Innovation Lab for Peanut](#); [International Potato Centre](#); [Sustainable Food Systems Ireland](#); [Irish Aid](#); [USAID](#)

Point of Contact: Jim Gaffney, General Development Officer, Bureau for Resilience and Food Security, USAID, jgaffney@usaid.gov

Bayer Precision Breeding: Climate Resiliency through Crop Improvement

Bayer is pleased to pledge **\$60 million** over four years towards [Precision Breeding](#) initiatives which aim to create a design-driven methodology for crop improvement, developing more resilient crops, and sustainable product concepts. Precision Breeding combines Bayer's industry-leading germplasm, deep genomic insights with globally connected field and environmental insights to develop better solutions faster. The Sprint aims to empower farmers to adjust to changing climatic conditions while decreasing environmental impact in both the breeding R&D process and on the farm.

Participants: [Bayer](#)

Point of Contact: Erin Jones, Head of Sustainability & Outreach | Plant Breeding, Bayer erin.jones@bayer.com

Mana Impact Agri-Food Tech \$50M Fund

Mana Impact Agri-Food Tech **\$50 million** Fund's investment thesis is to prepare and co-invest with US and international investors annually in 24 Impact Agri-food Latin American Series-A stage start-ups that are solving climate-challenging problems. US and international investors are expected to co-invest an average of nine for every dollar invested. As a result, the Mana Impact Agri-Food \$50 million Fund should generate about \$500 million in investments in Latin American climate-smart agriculture tech companies in the coming years.

Participants: [Mana Tech](#); [AceleraLatam](#); [Agcenter](#); [Amplifica Capital](#); [Arpegio](#); [Barn Investment](#); [Brinc](#); [IDB Lab](#); [Broota](#); [Chile Global Ventures](#); [Cites](#); [Cubo Itau](#); [Dalus Capital](#); [Epakon Capital](#); [Fen Ventures](#); [Food Ventures](#); [FrissOn capital](#); [The Ganesha Lab](#); [Glocal](#); [Gridx](#); [Innventure](#); [Impact VC](#); [KPTL](#); [Lever VC](#); [Louis Dreyfus Company Ventures](#); [Mercy Corps Ventures](#); [Mr Pink](#); [newtopia](#); [Oikos](#); [P4G Partnerships](#); [Pampa Start VC](#); [Rural Ventures](#); [Sabi Fund](#); [Salkantay Ventures](#); [Sancor Seguros Ventures](#); [Santa Maria](#); [Savia Ventures](#); [SLC Ventures](#); [SNASH](#); [SP VENTURES](#); [Sudlich Capital](#); [Venture Hub](#); [Utec Ventures](#); [Xperiment Ventures](#); [The Yield Lab](#); [Zentynel](#)

Point of Contact: Etienne Gillard, Head of Ventures, Mana Tech, etienne@manatech.com

Sustainable Beef Production

BetterFedFoods LLC is an innovative leader in providing Climate-Smart Premiums to beef producers practicing regenerative farming through microalgae to improve soil organic matter, plant health, and animal performance. Extensive university research and commercial trials have validated the practices, as well as improving traceability and engaging consumers through product-specific QR codes driven by blockchain. In addition, BetterFedFoods LLC has leveraged approximately **\$30 million** to establish a supply chain of sustainable products.

Participants: [BetterFedFoods](#)

Point of Contact: Paul Rosenberger, Regulatory Affairs, BetterFedFoods, prosenberger@betterfedfoods.com

Building Climate Resilience in Coffee Landscapes

Coffee production is a source of carbon emissions through the significant use of fertilizer, energy, and land. Therefore, training farmers on climate-smart agricultural practices and stepping up carbon capture activities is critical to reducing on-farm emissions and coffee footprint. ofi alliances in [Peru](#), [Mexico](#), and the [DRC](#), with a combined investment of over **\$21 million**, are reducing the carbon footprint impact through various activities implemented in these three countries' coffee landscapes.

Participants: United States Agency for International Development ([USAID](#)); [ofi](#); [Rainforest Alliance](#); [Wildlife Conservation Society](#); [Eastern Congo Initiative](#); [TechnoServe](#); [Nestle](#)

Point of Contact: Camilo Sanchez, Coffee Sustainability Manager, ofi, camilo.sanchez@ofi.com

Reducing Dairy GHG Emissions through Improved Soil Health

The Dairy Soil & Water Regeneration project is the largest soil health study on working U.S. dairies. Launched in 2021, the six-year project covers four major dairy regions, reaching 80% of U.S. milk production, and measures how differing growing practices impact soil health and reduce emissions under varying climates and conditions. Partners are investing at least **\$10 million**, with up to **\$10 million** in matching funds from the Foundation of Food & Agriculture Research (FFAR). Findings will help to accelerate climate-smart solutions.

Participants: [Innovation Center for U.S. Dairy](#); [Newtrient](#); [Soil Health Institute](#); [Foundation for Food & Agriculture Research](#); [Nestle](#); [Starbucks](#); [Cornell University](#); [University of California at Davis](#); [Texas A&M AgriLife Research](#); [University of Wisconsin-Madison](#); [University of Wisconsin-Platteville](#); [University of Vermont](#); [Northwest Irrigation and Soils Research](#), U.S. Department of Agriculture, Agricultural Research Service

Point of Contact: Tim Kurt, DVM, PhD; SVP Environmental Research, Dairy Management Inc. and Innovation Center for U.S. Dairy, tim.kurt@dairy.org

Integrated Desert Farming Innovation Platform

The Integrated Desert Farming Innovation Platform will support the Arabian Peninsula and MENA region in boosting employment and income. It also aims to ensure food, nutrition, and water security for their populations as they face the impacts of climate change through integrating and fast-tracking innovative and circular desert farming technologies and business models. In addition, the Sprint aims to leverage an increased level of investment from \$7 million over five years to **\$20 million** by the end of 2025.

Participants: International Center for Agricultural Research in the Dry Areas ([ICARDA](#)); The Cooperation Council for the Arab States of the Gulf, Secretariat General of the Gulf Cooperation Council ([GCC](#)); [Ministry of Municipalities Affaires and Agriculture](#), Kingdom of Bahrain; [Public Authority for Agricultural Affaires and Fish Resources](#), State of Kuwait; [Ministry of Agriculture, Fisheries and Water Recourses](#), Saltant of Oman; [Ministry of Municipality](#), State of Qatar; [Ministry of Environment Water and Agriculture](#), Kingdom of Saudi Arabia; [Ministry of Climate Change and Environment](#), United Arab Emirates; The International Food Policy Research Institute ([IFPRI](#)); International Water Management Institute ([IWMI](#)); [WorldFish](#)

Point of Contact: Mary Margaret McRae, Head of Partnerships and Resource Mobilization, ICARDA, m.m.mcrae@cgiar.org

Jameel Observatory-CREWSnet: Integrated Forecasting and Early-warning System

Community Jameel is partnering with the Massachusetts Institute of Technology (MIT) to develop Jameel Observatory-CREWSnet, a new initiative to empower adaptation and mitigation for climate shocks within the agriculture sector. This will combine state-of-the-art climate and socioeconomic forecasting techniques with resilience technologies and unique private, public, and community partnerships. It will pilot in Bangladesh and Sudan, working with local partners. The total increase in aggregate self-financed investment is **\$18.5 million**.

Participants: [Community Jameel](#); Massachusetts Institute of Technology ([MIT](#)); [BRAC](#); [Jameel Poverty Action Lab \(J-PAL\)](#)

Point of Contact: Uzma Sulaiman, Associate Director, Community Jameel, uzma@communityjameel.org

Climate-Smart Agriculture Solutions in Latin America and the Caribbean

With an investment of **\$15.5 million**, this Innovation Sprint integrates 18 initiatives to generate solutions for farmers, communities, and countries in Latin America and the Caribbean across fourteen countries: Argentina, Bolivia, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Honduras, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela. The solutions target equitable and sustainable food security alongside resiliency and inclusion when combatting climate change. In addition, several organizations joined FONTAGRO to co-finance science, technology, and innovations to tackle challenges by working directly with scientists, extensionists, and farmers and to create public goods that help the region cope with climate challenges.

Participants: [FONTAGRO](#); [IDIAP - Panamá](#); [AGROSAVIA - Colombia](#); [DICTA - Honduras](#); [IDIAF - República Dominicana](#); [INIAF - Bolivia](#); [INTA - Nicaragua](#); [Fundación ArgenINTA](#); [INTA - Argentina](#); [INIAP - Ecuador](#); [INIA - Chile](#); [UNAL - Colombia](#); [UFRO - Chile](#); [IIBCE - Uruguay](#); [CSIC - España](#); [IPTA - Paraguay](#); [IICA - Colombia](#); [UTM - Ecuador](#); [UIS - Colombia](#); Sociedad de Agricultores de Santander - Colombia; Asociación de Moradores San Lorenzo de Mapasingue - Ecuador; [INIA - Uruguay](#); [INTA - Costa Rica](#); [FITTACORI](#); GENTOS - Argentina; Asociación Argentina de Consorcios Regionales de Experimentación Agrícola; [Michigan State University](#); Federación Uruguaya de Grupos CREA; Cámara Nacional de Productores de Leche - Costa Rica; PROINPA - Bolivia; Universidad Yachay Tech - Ecuador; BIOTOP SRL - Bolivia; CIFEMA SA - Bolivia; AGROBAZE SA - Ecuador; ECUAQUIMICA - Ecuador; Asociación de Productores La Florida - Bolivia; SANTAMARINA - Bolivia; IBAGROCEREAL - Bolivia; [Universidad Nacional Agraria La Molina - Perú](#); Asociación de Ganaderos La Asunción de Matahuasi - Perú; Comité de Ganaderos Juan Guerra - Perú; Cooperativa Agrícola Ganadera Calibui LTDA - Argentina; Gobierno Autónomo Municipal de Bermejo - Bolivia; [Universidad Nacional de Itapúa - Paraguay](#); [Federación Argentina del Citrus - Argentina](#); [Unión de Productores y Exportadores Frutihortícolas del Uruguay - Uruguay](#); [Servicio Nacional de Sanidad y Calidad Agroalimentaria - Argentina](#); [Universidad Nacional de Córdoba - Argentina](#); [Cámara Hondureña de la Leche - Honduras](#); [Fundación para el Fomento y Promoción de la Investigación y Transferencia de Tecnología Agropecuaria](#); [Dirección Nacional Láctea - Ministerio de Producción y Trabajo de Argentina - Argentina](#); [Ministerio de Agricultura y Ganadería - Argentina](#); [Clúster Lechero Regional - Argentina](#); [Secretaría de Ganadería Lechería y Recursos Naturales del Ministerio de la Producción de Santa Fé - Argentina](#); [Sociedad de Productores de Leche de Florida - Uruguay](#); [Tambero - Argentina](#); Asociación de Productores de Leche de Arroyo Grande I.N.C - República Dominicana; Cámara de Ganaderos Los Chiles - Costa Rica; [Wageningen University & Research](#); [KILIMO S.A - Argentina](#); [Universidad Zamorano - Honduras](#); VISUALITI - Colombia; [CIAT - Colombia](#); [FLAR - Colombia](#); [IICA - Chile](#); [Universidad Nacional del Litoral - Argentina](#); [Universidad Nacional de Entre Ríos - Argentina](#); Fundación Nacional del Arroz de la República Bolivariana de Venezuela - Venezuela; Pontificia Universidad Javeriana - Colombia; Corporación para el Desarrollo Participativo y Sostenible de los Pequeños Productores Rurales - Colombia; Universidad Mayor de San Simón - Bolivia; Gobierno Autónomo Municipal de Sacaba - Bolivia; Asociación campesina no nacional de trabajadores de la vereda Alizal; municipio de Carmen de Carupa - Colombia; Cooperativa Integral Agropecuaria de Colombia - Colombia; Cooperativa Integral de Productores de Papa de Ventaquemada - Colombia; [Universidad Mayor de Chile - Chile](#); [Universidad Nacional de Luján - Argentina](#); [Federación de Ganaderos de Santa Cruz - Bolivia](#); [EMBRAPA - Brasil](#); [Programa Cooperativo para el Desarrollo Tecnológico Agroalimentario y Agroindustrial del Cono Sur - Uruguay](#); [UBA - Argentina](#); [UdelaR - Uruguay](#); [Asociados Don Mario SA - Argentina](#); [Asociación de Cooperativas Argentinas - Argentina](#)

Point of Contact: Eugenia Saini, Executive Secretary, FONTAGRO, fontagro@fontagro.org

Increasing the Uptake of Carbon-neutral Small-scale Irrigation in Sub-Sahara Africa

With a budget of **\$15 million** over the next three years (end of 2025) and the support of donors and partners, [KickStart](#) will drive the uptake of 100,000 carbon-neutral irrigation pumps among smallholders, spread across 16 Sub-Sahara countries, allowing them to harvest year-round sustainably, respond to (and mitigate) climate change, and tackle household poverty.

Participants: [KickStart International](#)

Point of Contact: Hichem Mihoub, Head of Partnerships, KickStart International, hichem.mihoub@kickstart.org

Integrated Data Systems Initiative

The [Integrated Data Systems Initiative](#) will provide multidimensional decision support to mainstream finance for healthy, sustainable food systems. The resulting data systems will feed into a new financial mechanism, the Co-Investment Platform for Food Systems Transformation. The initiative will mobilize **\$10 million** over five years to support the mobilization of at least \$10 billion in catalytic finance and wider pools of investment through the Co-Investment Platform over that same period.

Participants: [EAT Foundation](#); [Good Food Finance Network](#)

Point of Contact: Joe Robertson, Senior Advisor for Sustainable Finance, EAT Foundation, joe@eatforum.org

Cellular Agriculture for the Public Good

Cellular agriculture, a technology that produces animal products using cell cultures, could contribute to building resilient food systems with lower climate impacts. However, the climate benefits of this technology must be deliberately woven into its development. Through this Sprint, [Cellular Agriculture for the Public Good, New Harvest](#) aims to invest **\$10 million** internationally to advance open research, drive evidence-based policy, and break down silos to inspire collaboration toward establishing cellular agriculture as a climate-smart food systems tool.

Participants: [New Harvest](#)

Point of Contact: Breanna Duffy, Director of Responsible Research and Innovation - US, New Harvest, breanna@new-harvest.org

Efficient Fertilizer Consortium

The Foundation of Food & Agriculture Research (FFAR) launched the Efficient Fertilizer Consortium, as part of the [Global Fertilizer Challenge](#), to advance efficient, environmentally beneficial and cost-effective fertilizers, and management practices. The Efficient Fertilizer Consortium amplifies investments that increase nutrient-use efficiency, generate new and improved fertilizers, reduce fertilizer use and support sustainable productivity. FFAR will raise funds to match federal contributions of \$4.45 million, allowing the Efficient Fertilizer Consortium to award at least **\$8.9 million** in research funding.

Participants: [Foundation for Food & Agriculture Research](#)

Point of Contact: Allison Thomson, AgMission Program Director, athomson@foundationfar.org

Revolutionizing Nitrogen Optimization and Carbon Sequestration in Farming

Arable plans to invest **\$5 million** to optimize nitrogen use in corn and potato crops through high-resolution spectral sensing, weather analysis, and remote sensing to reduce synthetic nitrogen use, increase productivity, and promote sustainable farming practices. The system includes five main components: in-field sensing, agronomic modeling, economic and risk components, user experience, and boots-on-the-ground people to drive adoption and understanding. The goal is to improve agricultural productivity and remove greenhouse gases from the atmosphere.

Participants: [Arable Labs](#)

Point of Contact: Walter Jove, Head of Special Projects, Arable Labs, walter.jove@arable.com

Investing in Agricultural Innovation for Climate, Nature, and People

The Brazilian Innovation Agency of the Ministry of Science, Technology, and Innovation (FINEP) has dedicated **\$2 million** to R&D for Alternative Protein innovation for the period 2023-25. Additionally, the Brazilian Agricultural Research Corporation (EMBRAPA), an innovation-oriented public company focusing on generating knowledge and technology for Brazilian agriculture and cattle-raising, is hosting three research projects totalling \$240,000 to develop novel structuring technologies to produce whole-cut chicken meat analog products using native plant ingredients.

Participants: [The Good Food Institute \(GFI\) - Brazil](#); [Brazilian Agricultural Research Corporation](#); [Ministry of Agriculture](#), Brazil

Point of Contact: Stephanie von Stein, Senior Associate Director, International Engagement, GFI, stephaniev@gfi.org