CGIAR Executive Managing Director, Ismahane Elouafi, joins FAO Director-General Qu Dongyu at the ribbon cutting ceremony for the FAO and CGIAR Food and Agriculture Pavilion at COP29 in Baku, Azerbaijan.

Credit: CGIAR

CGIAR

Climate Impact Platform

Annual Technical Report 2024

Author: t

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Boundaries used in the maps do not imply the expression of any opinion whatsoever on the part of CGIAR concerning the legal status of any country, territory, city, or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Borders are approximate and cover some areas for which there may not yet be full agreement.

The Artificial Intelligence (AI) software ChatGPT was used to support the editing of parts of this report, specifically to improve clarity, grammar, and style. ChatGPT was not used to generate the content of the report. All edits made with AI assistance were reviewed and validated by the authors to ensure accuracy, coherence, and alignment with the original intent.

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Table of contents

CGIAR Technical Reporting 2024

CGIAR Technical Reporting has been developed in alignment with CGIAR's Technical Reporting Arrangement. This annual report ("Type 1" Report) constitutes part of the broader CGIAR Technical Report. Each CGIAR Research Initiative/Impact Platform/Science Group Project (SGP) submits an annual "Type 1" Report, which provides assurance on progress towards end of Initiative/Impact Platform/SGP outcomes.

As 2024 marks the final year of this CGIAR Portfolio and the 2022-24 business cycle, this Type 1 Report takes a dual approach to its analysis and reporting. Alongside highlighting key achievements for 2024, the report also provides a cumulative overview of the 2022-24 business cycle, where relevant. This perspective captures the evolution of efforts over the three-year period. By presenting both annual and multi-year insights, the report underscores the cumulative impact of CGIAR's work and sets the stage for the transition to the 2025-30 Portfolio.

The 2024 CGIAR Technical Report comprises:

- **Type 1 Initiative, Impact Platform, and SGP Reports:** These annual reports present progress towards end of Initiative/Impact Platform/SGP outcomes and provide quality-assured results accessible via the CGIAR Results Dashboard.
- **Type 3 CGIAR Portfolio Practice Change Report:** This report provides insights into CGIAR's progress in Performance Management and Project Coordination.
- **Portfolio Narrative:** Drawing on the Type 1 and Type 3 reports, as well as data from the CGIAR Results Dashboard, the Portfolio Narrative synthesizes insights to provide an overall view of Portfolio coherence. It highlights synergies, partnerships, country and regional engagement, and collective progress.
- **Type 2 CGIAR Contributions to Impact in Agrifood Systems: evidence and learnings from 2022 to 2024:** This report offers a high-level summary of CGIAR's contributions to its impact targets and Science Group outcomes, aligned with the Sustainable Development Goals (SDGs), for the three-year business cycle.

The Portfolio Narrative informs the 2024 CGIAR Annual Report – a comprehensive summary of the organization's collective achievements, impacts, and strategic outlook.

Elements of the Type 2 report are integrated into the CGIAR Flagship Report, released in April 2025 at CGIAR Science Week. The Flagship Report synthesizes CGIAR research in an accessible format designed specifically to provide policy- and decision-makers at national, regional, and global levels with the evidence they require to formulate, develop, and negotiate evidence-based policies and investments.

The diagram below illustrates these relationships.

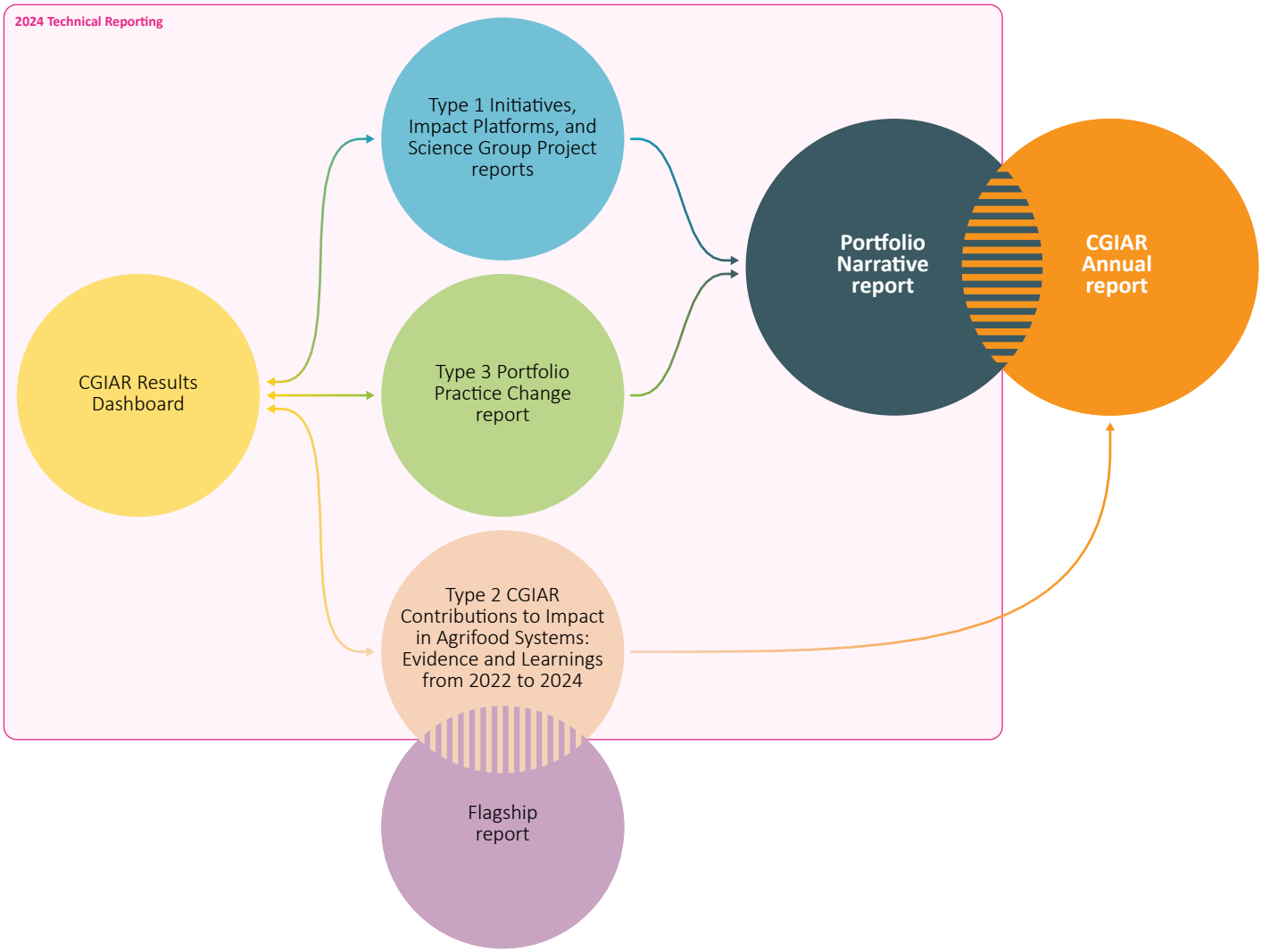


Figure 1. CGIAR's 2024 Technical Reporting components and their integration with other CGIAR reporting products.

Section 1: **Fact sheet, executive summary and budget**

Impact Platform name	Climate Adaptation and Mitigation Impact Platform
Short name	Climate Impact Platform
Director	Aditi Mukherji
Start – end date	01 March 2023 – 31 December 2024
Links to source documents / website	https://www.cgiar.org/research/cgiar-portfolio/climate-adaptation-mitigation/platform/

EXECUTIVE SUMMARY

The CGIAR Climate Impact Platform was guided by four key principles, designed to facilitate and connect effective, cutting-edge, and integrated science to the most strategic pathways to impact.

The Platform's role was supportive, providing services that increased the likelihood and quality of CGIAR's impact in the climate space. The Platform did this by convening research focal points, communities and partners; deepening CGIAR and partner capacity; amplifying CGIAR's climate research impact by synthesizing achievements and supporting global strategies; and advising on optimizing CGIAR's climate targets by regularly assessing CGIAR's research Portfolio.

Driving thought leadership and policy influence

At the core of the Climate Impact Platform's work in 2024 was a thoughtful strategy to drive partnerships and thought leadership for powerful impact and to influence decision-making. Its communications plan and knowledge strategy positioned CGIAR as a foremost authority in climate change adaptation and mitigation within agricultural and food systems.

Strategic campaigns achieved high-level results: delivering briefings to the UN Secretary General on climate change and its impacts on agrifood systems; the rollout of the Breakthrough Agenda Report on Agriculture, with strategic communication designed to inform diverse audiences. In 2022, 2023, and 2024, the Platform amplified CGIAR's external profile to influence global climate negotiations through engagements with the Intergovernmental Panel on Climate Change (IPCC) and the United Nations Framework Convention on Climate Change (UNFCCC), facilitating a process for nominating CGIAR scientists to participate in the IPCC processes in the AR7 cycle.

In addition, through the same process coordinated by the Platform in 2024, the United Nations Framework Convention on Climate Change (UNFCCC) appointed CGIAR experts to refine the Global Goal on Adaptation indicators. The Platform coordinated CGIAR's engagement at COP29, where CGIAR hosted 44 events at its Pavilion – leading 28 of them – and led or participated in over 50 additional events outside the Pavillion. It also facilitated robust media engagement, including the publication of op-eds in leading international outlets. These efforts amplified CGIAR's advocacy for inclusive, climate-resilient food systems that leave no one behind.

Enhancing strong collaboration

Enhancing collaboration among CGIAR climate scientists was one of the four core functions of the Climate Impact Platform. In early 2024, the team developed a database of 3,466 climate-related CGIAR journal articles published between 2012 and 2023. A Power BI dashboard was tailored for CGIAR climate research, catering to different audiences while providing a quantitative representation of the research in reports and other outputs. The Platform also developed a Dashboard of CGIAR's Climate Scientists and published its Climate Change and Agrifood Systems Methods and Metrics Dashboard.

Powerful partnerships for impact

At the heart of this work were strong partnerships spanning governments, universities, academia, financial institutions, research organizations, and other CGIAR Centers. A centralized SharePoint site served as a one-stop hub for CGIAR scientists to access resources and share knowledge products, enhancing internal collaboration and knowledge exchange. The CGIAR Climate Community of Practice (CoP), officially launched in 2024, brought together 600 scientists from across CGIAR's 15 Centers to drive cutting-edge research and strengthen global climate expertise.

More than 450 participants attended six webinars hosted by the Platform, focusing on topics where CGIAR has traditionally had limited engagement. The Platform also partnered with the Collaboration for Environmental Evidence (CEE) to deliver eight Systematic Review Methods Training Workshops, equipping over 200 CGIAR scientists , including CGIAR scientists, National Agricultural Research and Extension Systems (NARES), and African Group of Negotiators Experts Support (AGNES) partners, with tools to conduct rigorous systematic reviews. In parallel, the Platform initiated a synthesis of more than a decade of CGIAR's climate-related science. Engagement with the media was also prioritized, with the Platform collaborating with journalists through the Media for Environment, Science, Health and Agriculture (MESHA) network.

The Platform also synthesized research and evidence across CGIAR's research Centres , collaboratively leading the development of nine CGIAR Issue Brief Series for Informing COP29 discussions. The launch of the 2024 Breakthrough Agenda Report: Agriculture was designed to support policy decision-making, including the official launch at Baku Climate Action Week, with virtual online events alongside partners such as the International Energy Agency, the UN Climate Change High Level Action Champions Team, and CGIAR, leading to several high-level engagements.

The Climate Impact Platform focused on building strategic partnerships to influence high-level decision-making and advocate for a just and equitable agrifood system transformation. In 2025, Area of Work 1 of the CGIAR Climate Action Science Program will build on these partnerships and enhance technical training and capacity among all stakeholders.

	2022	2023	**2024**
APPROVED BUDGET [1]	$1.02M	$1.02M [2]	**$1.90M** [2]

[1] The approved budget amounts correspond to the figures available for public access through the Financing Plan dashboard.
[2] These amounts include carry-over and commitments.

The Food & Agriculture Pavilion hosted by FAO and CGIAR at COP29 in Baku, Azerbaijan. Credit: CGIAR

Section 2: **Progress towards Primary outcomes**

Impact Platform-level theory of change diagram

This is a simple, linear, and static representation of a complex, non-linear, and dynamic reality. Feedback loops and connections between this Platform and other Initiatives and Impact Platforms' theories of change are excluded for clarity.

SPHERE OF **CONTROL**

MODULES

MODULE 1

Expertise and themes.

MODULE 2

Methods and metrics.

MODULE 3

Synthesis and gaps.

MODULE 4

Influencing global climate processes.

SPHERE OF

PRIMARY OUTCOMES

PRIMARY OUTCOME 1

1 ▶
2 ▶

[SCIENCE] CGIAR scientists use cutting edge science and latest innovation on climate and agrifood system to shape and foster global critical thinking in the climate and agri-food systems space.

PRIMARY OUTCOME 2

1 ▶
2 ▶

CGIAR scientists innovate and use methods and metrics for measuring impacts of climate change and impacts of climate action (mitigation, adaptation and finance) to reduce climate impacts on agri-food systems [SCIENCE AND CAPACITY].

PRIMARY OUTCOME 3

1 ▶
3 ▶

[ADVOCACY] CGIAR generated science in the climate and agri-food related topics is used extensivley in global climate change assessments and in various climate negotiation processes.

PRIMARY OUTCOME 4

3 ▶
4 ▶

[POLICY] CGIAR's research portfolio incorporates high priority climate topics identified through rigorous scientific analysis of synthesis and gaps [SCIENCE AND POLICY].

INFLUENCE

Action Area Outcomes

Genetic Innovation

1 ▶ 2 ▶ 3 ▶ 4 ▶ **1** · National and private seed company breeding programs accelerate the development of varieties that provide larger scale benefits across the 5 Impact Areas.

Systems Transformation

1 ▶ 2 ▶ 3 ▶ 4 ▶ **2** · Implementation partners (e.g. NARES, NGOs, private companies) actively support dissemination, uptake, and implementation of CGIAR innovations.

Resilient Agrifood Systems

1 ▶ 2 ▶ 3 ▶ 4 ▶ **3** · National and local multi-stakeholder platforms are strengthened to become more effective and sustainable, addressing development trade-offs and generating strategies for effective food, land, and water systems transformation.

SPHERE OF **INTEREST**

Impact Areas

Climate Adaptation & Mitigation

1 ▶ 2 ▶ 3 ▶

- Implement all National adaptation Plans (NAP) and Nationally Determined Contributions (NDC) to the Paris Agreement.
- Equip 500 million small-scale producers to be more resilient to climate shocks, with climate adaptation solutions available through national innovation systems.
- Turn agriculture and forest systems into a net sink for carbon by 2050, with emissions from agriculture decreasing by 1 Gt per year by 2030 and reaching a floor of 5 Gt per year by 2050.

CGIAR Climate Impact Platform Director, Aditi Mukherji, joins IPCC Chair Jim Skea, Adelle Thomas, Youba Sokona, Jeffrey Sachs, and others in a high-level meeting with UN Secretary-General António Guterres.

Credit: Office of the UN Secretary-General

CGIAR Climate Impact Platform Director, Aditi Mukherji, joins Morgan Gillespy, Executive Director, Food and Land Use Coalition, Nick Hampton, Chief Executive, Tate & Lyla PLC, Alvar Lario, President, IFAD, Fernanda Lopes Larsen, EVP, Africa and Asia, Yara for a panel discussion at the Financial Times Capital Live London 2024.

Credit: CGIAR

Summary of progress against the theory of change

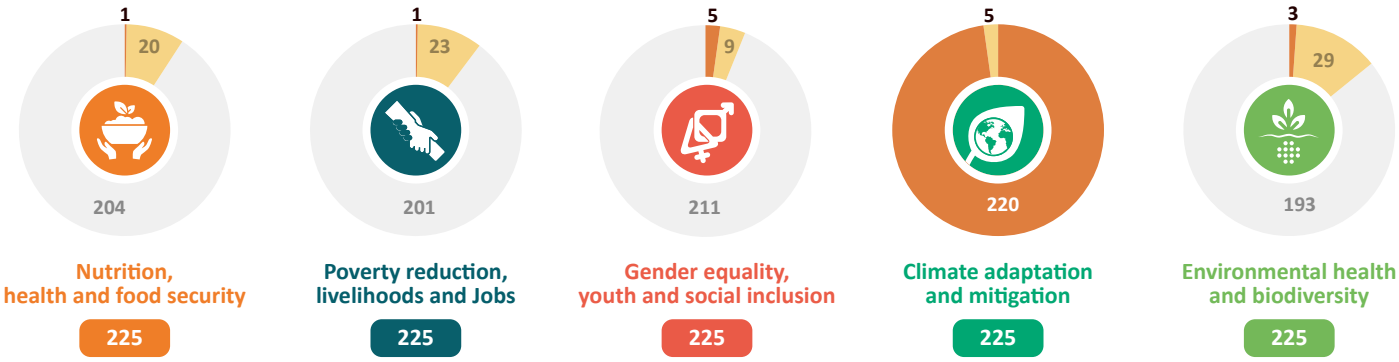
The Impact Platform-level theory of change tracked the development of four outcomes against four modules. These were aligned with CGIAR's global climate adaptation and mitigation goals and aimed to result in progress on meeting Sustainable Development Goals (SDGs) 9, 11, 12 and 13. The CGIAR Climate Impact Platform was driven by four key principles to facilitate and link effective, cutting-edge, integrated science to the most strategic pathways to impact.

The Platform did this by **convening** research focal points, communities and partners; **deepening** CGIAR and partner capacity; **amplifying** CGIAR's climate research impact by synthesizing achievements and supporting global strategies; and **advising** on optimizing CGIAR's climate targets by regularly assessing CGIAR's research Portfolio to guide and inform high-profile dialogue on climate action and policy in spaces including the UNFCCC, and influence the climate agenda with science-backed research.

Over its two-year duration, the Climate Impact Platform achieved considerable milestones aligned with its theory of change. The 600-member strong Climate CoP was launched, connecting CGIAR scientists from all Centers under a common umbrella, promoting collaboration, data sharing, the exchange of best practices and methodologies, and providing an avenue for thematic discussions. The Platform also built on collaboration with several key partners in 2024 to build capacity, particularly for rigorous evidence synthesis work in the climate change and agrifood systems space.

The Platform's communications plan and knowledge strategy positioned CGIAR as a foremost authority in climate change adaptation and mitigation within agricultural and food systems, informing strategic campaigns including briefing the UN Secretary General on climate change and its impacts on agrifood systems; the roll out of the Breakthrough Agenda Report on Agriculture, and strategic briefing notes and dialogues designed to inform diverse audiences on CGIAR key messages. In parallel, the Platform amplified its external profile to influence global climate negotiations through high-level briefings to the IPCC and UNFCCC, engagements at 44 events including COP29, and rigorous media engagements, including opinion pieces in top media agencies.

Number of results by Impact Area contribution



- **2 = Principal:** Contributing to one or more aspects of the Impact Area is the principal objective of the result. The Impact Area is fundamental to the design of the activity leading to the result; the activity would not have been undertaken without this objective.
- **1 = Significant:** The result directly contributes to one or more aspects of the Impact Area. However, contributing to the Impact Area is not the principal objective of the result.
- **0 = Not targeted:** The result has been screened against the Impact Area, but it has not been found to directly contribute to any aspect of the Impact Area as it is outlined in the CGIAR 2030 Research and Innovation strategy.
- **Not applicable:** Pertains to 2022 reported results when only information on Gender and Climate impact area tagging was available.

Most of the Climate Impact Platform's results were tagged "principal" for CGIAR's Climate Change Adaptation and Mitigation Impact Area, generating scientific evidence on the impact of climate change on food, land and water systems, and vice-versa; developing evidence-based solutions that support climate action, including via policies, institutions and finance; enhancing adaptive capacity of small-scale producers while reducing greenhouse gas emissions and carbon footprints; providing affordable, accessible climate-informed services; developing climate-resilient crop varieties and breeds; securing genetic resources for future climate needs; and improving methods for modeling or forecasts.

Summary of progress by key function

KEY FUNCTION 1: FOSTER GLOBAL CRITICAL THINKING

In 2024, the Platform launched a functional Climate CoP, uniting 600 researchers across 14 CGIAR Centers. The community connects an international network of experts and fosters critical thinking to facilitate collaboration among climate scientists. The CGIAR Climate Impact Platform created a centralized SharePoint site – a one-stop hub for CGIAR climate scientists to access resources and shared knowledge products. Complementing this, the CGIAR Climate Community Dgroups platform facilitated open and productive dialogues among CGIAR scientists and partners.

The CGIAR Climate Impact Platform established thematic sub-groups on key topics such as carbon credits, emissions reductions in agriculture, and climate action. Two subgroups focused on climate impacts and adaptation and mitigation were created to address the growing need for expert input in these areas. In 2024, the CGIAR Climate Impact Platform engaged 454 participants across six webinars, discussing topics that CGIAR had not traditionally focused on: loss and damage, carbon credits, carbon dioxide removals, and the global goals adaptation.

A partnership with CEE facilitated eight Systematic Review Methods Training Workshops to strengthen capacity among NARES, and AGNES. This capacity-building effort led to the launch of the Systematic Review Methods Training Alumni subgroup to equip alumni with tools to enhance climate research rigor. The fortnightly Climate Insights publications collated over 550 research papers in 2024, and reached over 600 people per edition, while our daily COP29 and Bonn Climate Change Conference (SB60) briefs reached over 1,000 stakeholders. The functions of the Platform are now part of the CGIAR's Climate Action Science Program.

KEY FUNCTION 2: DEVELOP CGIAR AND PARTNER CAPACITY

In 2024, the Platform partnered with the CEE to facilitate eight Systematic Review Methods Training Workshops, NARES and AGNES with tools to ensure comprehensive, transparent, and reliable evidence synthesis. These workshops introduced 221 participants to systematic reviewing and mapping methods, equipping them with the tools to ensure comprehensive, transparent, and reliable evidence synthesis. This included 97 participants from 12 CGIAR Centers, 71 participants from 29 NARES organizations, and 53 participants from AGNES.

This capacity-building effort was central to improving the rigor and impact of climate research within the CoP and led to the Systematic Review Methods Training Alumni subgroup on Dgroups. The Platform also engaged journalists directly, such as MESHA, to strengthen capacity for evidence-based gender and climate reporting to inform policymaking.

The Platform team also critically analyzed thousands of climate-related submissions to CGIAR's Performance and Results Management System (PRMS) and led the writing of climate-related sections in CGIAR's annual report in 2022, 2023, and 2024.

In 2024, the CGIAR Climate Impact Platform synthesized published literature in the climate change and agrifood systems space. The synthesis will be used to influence the science agenda and is one of the central functions of the CGIAR's Climate Impact Platform Module on Synthesis and Gaps, launched in collaboration with the Juno Evidence Alliance. In 2025 this will be used to support a high quality, systematic review of climate change-related work across agrifood systems in Africa and Asia and strengthen systematic reviews in the environmental field.

KEY FUNCTION 3: ADVISE PORTFOLIO-LEVEL MANAGEMENT/STRATEGY

The Climate Impact Platform's communications plan and knowledge strategy positioned CGIAR as a leading authority in climate change adaptation and mitigation within agricultural and food systems, informing strategy. This included providing strategic and timely advice timed to global events, such as quarterly meetings designed to support researchers with information such as how to engage in IPCC processes or updates on CGIAR's global priorities.

CGIAR, as an observer organization of the IPCC and UNFCCC, plays a key role in nominating experts for global climate processes. The CGIAR Climate Impact Platform facilitated a transparent nomination process, leading to the selection of CGIAR scientists for critical roles in shaping climate assessments and adaptation frameworks. In 2024, three CGIAR scientists were selected for the IPCC's AR7 Scoping Meeting, while another was appointed as a lead author for the 2027 IPCC Methodology Report on Short-lived Climate Forcers. CGIAR experts were also appointed by the UNFCCC to refine Global Goal on Adaptation indicators.

The 2024 Breakthrough Agenda Report: Agriculture is the first standalone report to focus on agriculture in the Breakthrough Agenda series, led by CGIAR through the CGIAR Climate Impact Platform. The report was driven by a consultative process anchored in seven global workshops with experts around the world, Reducing emissions from fertilizer production via green ammonia; 2) Reducing enteric methane emissions via forages; 3) Reducing emissions from fertilizer production via green ammonia; and 4) Reducing emissions from fertilizer application via SSNM. The report was officially launched during Baku Climate Action Week and at COP29, with a virtual launch also held in collaboration with partners such as the International Energy Agency and the UN Climate Change High-Level Champions Team.

The report's launch led to several key discussions at COP29, including the launch of the Nitrous Oxide Pledge; two events led by the Fertilizer Association at the Food and Agriculture Pavilion; the Net-Zero Food Within Reach event on November 12th; a catalyzing dialogue around "super pollutants" in agriculture on 13 November 2024; and the Understanding Breakthrough Agenda Report event at the Parliamentary Pavilion.

Ahead of COP29, a series of nine briefs covered the latest trends and in-depth insights on CGIAR research, providing the science to position agriculture and food systems messages at the forefront of discussion at the COP29 climate talks in November 2024 in Baku, Azerbaijan. The Platform published 11 daily briefs during the Bonn Climate Conference and 13 COP29 daily briefs tailored for delegates. In 2025, CGIAR, through the Area of Work 1 of the Climate Action Science Program, aims to integrate member feedback and foster stronger connections with external institutions.

KEY FUNCTION 4: AMPLIFY EXTERNAL PROFILE AND PATHWAYS TO IMPACT

From bringing together scientists from across 15 research institutes to inform COP29 negotiations through the publication of topical briefs, to actively shaping the Alliance of Champions for food systems transformation, the Platform amplified its external profile to influence global climate negotiations. The Climate Impact Platform Director briefed United Nations Secretary General António Guterres on the urgent need to adapt agrifood systems to climate realities; the International Court of Justice (ICJ) on matters relating to state responsibility on climate change; and joined the IPCC scoping meeting for the new assessment cycle (AR7).

The Platform team engaged with the COP Presidency, coordinating 10 submissions to the UNFCCC to inform negotiation and decision texts. At the UNFCCC on Agriculture Day at COP29, the team briefed the media in a video message that garnered multiple views. The Platform also coordinated and managed the nomination process to the IPCC, with three scientists selected by the IPCC to attend the AR7 Scoping Meeting held in Malaysia, playing an integral role in bringing CGIAR's insights and research to the forefront. Two scientists – Dr. Aditi Mukherji of the CGIAR Climate Impact Platform and Dr. Lucy Njuguna of the Alliance of Bioversity International and CIAT – were among 78 experts appointed by the UNFCCC to refine the Global Goal on Adaptation indicators.

The CGIAR Climate Impact Platform significantly contributed to shaping global climate discourse in 2024 through 43 speaking engagements, participating in dialogues that stressed that climate action cannot solely rely on smallholder farmers in the global South. Of all Climate Impact Platform engagements in 2024, 25 were relevant to COP29, driving engagement and discussions on everything from food system solutions to climate justice concerns. At the Food and Agriculture Pavilion at COP29, CGIAR partnered with FAO to host 44 events on climate action efforts at the Food and Agriculture Pavillion, with 28 being CGIAR-led ,and 16 partner-led.

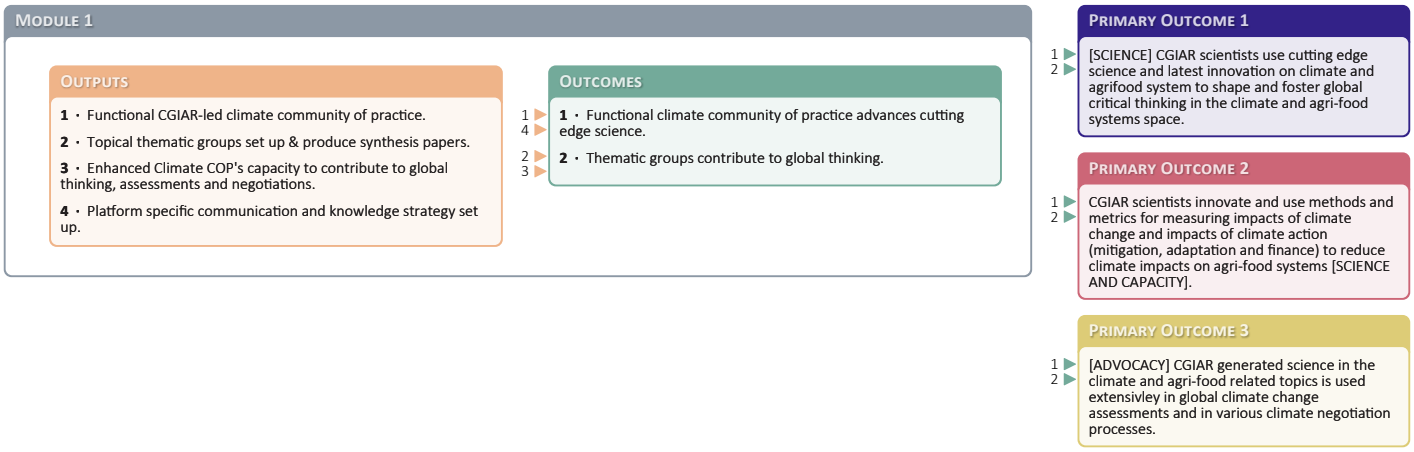
The Platform also built on partnerships critical to building capacity including: the Kenya Landscape Actors Platform (KenLAP), to address Kenya's pressing environmental challenges; the Climate Change Attribution and Vulnerability project CAV-Kenya, which studies causes of climate-related disasters in Kenya to drive effective climate action; Adaptation Futures 2025, devoted entirely to climate change adaptation; as well as the Princeton in Africa Fellowship, and AGNES Africa, a not-for-profit think tank providing technical support to African governments.

The CGIAR Climate Impact Platform published global thought leadership pieces, issue briefs, and a series of blogs throughout the year. CGIAR will continue to contribute to influencing the Parties in 2025 and the next Presidency to drive the agenda and recognize the value of just transitions for smallholders and all people in developing countries.

CGIAR Climate Impact Platform Director, Aditi Mukherji with CGIAR Executive Managing Director Ismahane Elouafi, Tetra Pak Director Corporate Affairs, Strategy and Stakeholder Relations Richard Ali, UK Ambassador to Azerbaijan Fergus Auld and others at the Launch of the 2024 Agric Breakthrough Report at Baku Climate Action week.

Section 3: **Module progress**

Module 1: Expertise and themes



The CGIAR Climate Impact Platform was driven by four key principles: **convening** research focal points, communities and partners; **deepening** CGIAR and partner capacity; **amplifying** CGIAR's climate research impact by synthesizing achievements and supporting global strategies; and **advising** on optimizing CGIAR's climate targets.

Functional CGIAR-led Climate CoP

Key to the Platform's mandate, on 12 April, 2024, a 600-member functional CoP spanning 14 Centers was officially launched. Advancing cutting-edge science and strengthening global expertise and policy engagement, the community launched six webinars, engaging 454 participants on topics not usually addressed within CGIAR: loss and damage, carbon credits, and Global Adaptation Goals. Eight systematic review methods trainings equipped 221 community members with tools to enhance the rigor of climate research. Fortnightly Climate Insights publications curated over 550 research papers and reached over 600 people per edition, while our daily COP29 and Bonn Climate Change Conference (SB60) briefs reached over 1,000 stakeholders.

Topical thematic groups contribute to global thinking

In 2024, a centralized **SharePoint site** and one-stop hub was developed. The CGIAR Climate Community Dgroups Platform was also launched, in response to demand from countries and partners, successfully facilitating open dialogue for over 500 CGIAR scientists. Three thematic discussions took place on: the role of carbon credits in achieving climate goals; reducing emissions in agriculture through breakthrough technologies; and contributing to the future of climate action: CGIAR's participation at COP29.Two subgroups have been created to address climate impacts, and adaptation and mitigation.

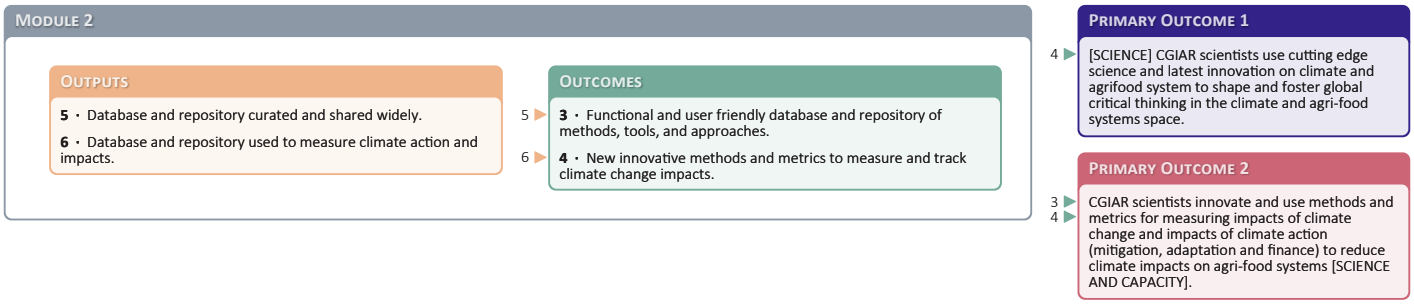
Enhanced climate community's capacity to contribute to global thinking, assessments and negotiations

In 2024, targeted activities enhanced the capacity of CGIAR scientists and contributions towards to global thinking. These included a webinar series, and a partnership with the CEE to facilitate eight Systematic Review Methods Training Workshops to strengthen capacity, NARES and AGNES. This capacity-building effort led to the launch of the Systematic Review Methods Training Alumni subgroup on Dgroups. In 2025, we plan to provide more training for junior and senior scientists.

Platform-specific communications and knowledge sharing strategy set up to disseminate information and knowledge products to diverse audiences

The Climate Impact Platform's communications plan and knowledge strategy position CGIAR as a foremost authority within agricultural and food systems. In addition to media engagements and blogs, op-eds and stories published throughout 2024, the CGIAR Climate Community Dgroups Platform strengthened communications internally. Quarterly meetings supported researchers with information such as how to engage in IPCC processes or CGIAR's global priorities. The Platform published 11 daily briefs during the Bonn Climate Conference and nine COP29 briefs tailored for delegates. Climate Insights is a fortnightly roundup with 23 cutting-edge editions published in 2024, featuring over 550 papers covering diverse topics from food security to climate-resilience. Bi-monthly newsletters offered updates on trends and research. In 2025, the Platform team aims to integrate member feedback and foster stronger connections with external institutions such as the World Bank through the AoW 1 of the CGIAR Climate Action program.

Module 2: Methods and metrics



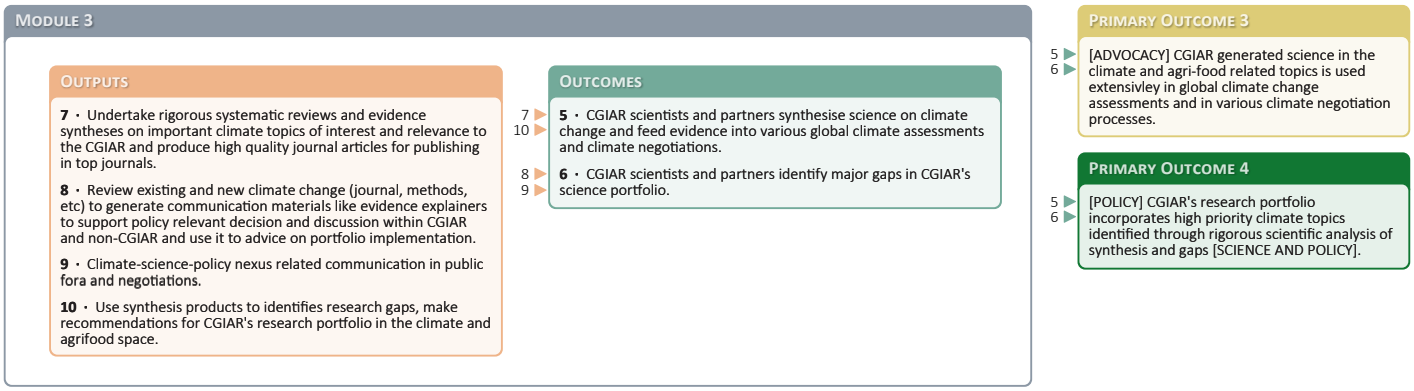
A comprehensive and robust database and repository of methods, tools, and approaches on various aspects of climate change work

Enhancing accessibility and fostering collaboration among CGIAR scientists who work in the climate change space is one of the four core functions of the CGIAR Climate Impact Platform. In early 2024 the Climate Impact Platform team began working with the CGSpace team at the International Livestock Research Institute (ILRI) to develop a database of 3,466 climate-related journal articles authored by CGIAR scientists from 2012 to 2023. A Power BI dashboard has been created, enabling users to explore the research interactively and visually, tailoring CGIAR climate research for different audiences while providing quantitative representation of the research in reports and other outputs. The Platform also published its Climate Change and Agrifood Systems Methods and Metrics Dashboard – a comprehensive overview of the methodologies, tools and scientific metrics developed by CGIAR scientists in the climate change space during 2022 and 2023. Currently, there are nine ongoing protocols for systematic review of CGIAR's research.

A database and repository used to measure and track climate impacts

In 2024, the Climate Impact Platform began the work of synthesized published literature in the climate change and agrifood systems space. The synthesis will be used to influence the science agenda and was one of the central functions of CGIAR's Climate Impact Platform Module on Synthesis and Gaps, launched in collaboration with the Juno Evidence Alliance, to support ongoing efforts to conduct high quality, rigorous systematic review of climate change-related work across agrifood systems in Africa and Asia and strengthen the research rigor for systematic reviews in the environmental field. This work will continue as a part of CGIAR's Climate Action Area of Work 1.

Module 3: Synthesis and gaps



Undertake rigorous systematic reviews and syntheses of evidence on important CGIAR-relevant climate topics and publish these in top journals

In 2024, the Climate Impact Platform launched an initiative to synthesize all climate-related research published by CGIAR scientists over the past decade. This included a searchable database of CGIAR climate-related journal articles published between 2012 to 2023; a review analyzing CGIAR's climate portfolio using topic-modeling and artificial intelligence; a review of CGIAR's contributions to the achievement of the SDGs; and a thematic review on CGIAR's research: extreme temperatures and drought, extreme rainfalls and floods, and effective adaptation. Four externally commissioned reviews synthesized research in climate and agrifood systems; and three interactive dashboards were completed: the CGIAR Dashboard on Climate Scientists, the CGIAR Climate Research Dashboard for Climate-Related Journal Articles (2012-2023), and the CGIAR Climate Change and Agrifood Systems Methods and Metrics Dashboard.

Through collaboration with CEE, eight Systematic Review Methods Training Workshops, more than 200 scientists were trained in systematic reviews, initiating a synthesis of more than ten years of CGIAR climate-related science. This included 97 participants from 12 CGIAR Centers, 71 participants from 29 NARES organizations, and 53 participants from AGNES. The Platform also synthesized research to coincide with critical events such as COP29.

Review existing and new climate data to generate communications materials like evidence explainers to support policy decision making

In 2024, the 2024 Breakthrough Agenda Report: Agriculture – the first standalone report to focus on agriculture within the Breakthrough Agenda series, led by CGIAR through the CGIAR Climate Impact Platform, was launched in the run-up to COP29. The report dives into significant contributors of greenhouse gases, with key findings highlighted in four factsheets to support policy decision-making. Ahead of COP29, a series of nine briefs positioned food systems messages at the forefront of COP29 climate talks. In addition to a webinar series, a video series explored complex topics such as loss and damage to support decision-making.

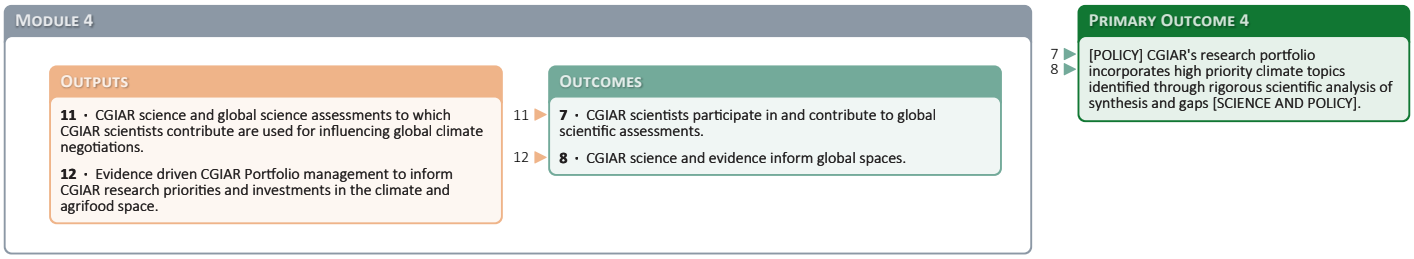
Communicate climate science work in policy-relevant ways in public fora and negotiations

The 2024 Breakthrough Agenda Report: Agriculture was officially launched at Baku Climate Action Week, alongside virtual online events with partners including the International Energy Agency, the UN Climate Change High Level Action Champions Team, and CGIAR. These events led to the launch of the Nitrous Oxide Pledge; two events led by the Fertilizer Association at the Food and Agriculture Pavilion; the Net-Zero Food Within Reach event; a catalyzing dialogue around "super pollutants" in agriculture; and the Understanding Breakthrough Agenda Report event at the Parliamentary Pavilion. The Platform also engaged journalists, through MESHA.

Use syntheses to identify gaps in climate or agrifood research and make recommendations for CGIAR's Portfolio

The CGIAR Climate Impact Platform trained others to use syntheses to identify gaps in climate and agrifood research and to make recommendations. For example, a collaboration with the Juno Evidence Alliance informed high-quality evidence syntheses and jointly built advanced training courses for senior scientists with the Climate Impact Platform.

Module 4: Influencing global climate processes



CGIAR science and global science assessments to which CGIAR scientists contribute are used to influence global climate negotiations

From bringing together scientists from across 15 research institutes to inform COP29 negotiations through the publication of topical briefs, to actively shaping the Alliance of Champions for food systems transformation, the Platform influenced global climate negotiations to advocate for polices and investments that promote sustainable and equitable food systems. The Climate Impact Platform Director briefed United Nations Secretary General António Guterres on the urgent need to adapt agrifood systems to climate realities. At the UNFCCC on Agriculture Day at COP29, the team briefed the media in a video message that garnered multiple views.

The Platform team briefed the ICJ on matters relating to state responsibility on climate change and joined the IPCC scoping meeting for the new assessment cycle (AR7). The Platform was also tasked with coordinating the nomination process for CGIAR scientists as an observer organization of the IPCC, and launched a transparent, CGIAR-wide call for expressions of interest, actively engaging the Climate CoP. Scientists from over six CGIAR Centers responded to this call and three – Dr. Augusto Castro-Nunez, Dr. Mastawesha Misganaw Engdaw, and Dr. Aditi Mukherji – were selected by the IPCC to attend the AR7 Scoping Meeting held in Malaysia, bringing CGIAR's key insights and research to the forefront. The Climate Impact Platform also managed the nomination rights of CGIAR to the UNFCCC, with two scientists among 78 experts appointed by the UNFCCC to refine Global Goal on Adaptation indicators.

Support evidence-driven CGIAR Portfolio management, specifically to inform CGIAR research priorities and investments in the climate and agrifood space

The CGIAR Climate Impact Platform significantly contributed to shaping global climate discourse in 2024 through 43 speaking engagements. From Financial Times Climate Capital Live 2024 to the inaugural Baku Climate Action Week ahead of COP29, the Climate Impact Platform participated in dialogues and events that highlighted the necessity of food transitions and stressed that climate action cannot rely on smallholder farmers in the global South.

Of all Climate Impact Platform engagements of 2024, 25 were relevant to COP29, driving engagement and discussions on everything from food system solutions and Loss and Damage Fund governance to climate justice concerns. At the Food and Agriculture Pavilion at COP29, CGIAR partnered with FAO to host the Food and Agriculture Pavilion. A total of 44 events were hosted at the Pavilion, with 28 being CGIAR-led and 16 partner-led events geared towards driving adaptation emission reduction efforts across food, land, and water systems.

The CGIAR Climate Impact Platform also published global thought leadership pieces, issue briefs, and a series of blogs throughout 2024. These included op-eds in Devex and the World Economic Forum.

Module progress rating summary

MODULE	PROGRESS RATING & RATIONALE
1	On track The Platform Community of Practice was lauched in 2024 and continues to provide a platform for bringing whole of CGIAR's climate science to inform climate processes and amplify the impact of CGIAR's climate portfolio.
2	On track CGIAR climate-revelant methods and metrics continue to inform CGIAR scientists work on climate innovations.
3	On track The **2024 Breakthrough Agenda Report: Agriculture** –led by CGIAR through the CGIAR Climate Impact Platform, was launched in the run-up to COP29, and a repository of all of CGIAR's climate related journal articles published from 2013 to 2024 was launched.
4	On track Good progress was made in informing critically important global and regional climate processes such as the UNFCCC and various other climate events.. This work included excellent collaboration with CGIAR's P&A and C&O global groups to ensure more coherent messaging from and across CGIAR.

Definitions

On track

- Progress largely aligns with Plan of Results and Budget.
- Can include small deviations/issues/ delays/risks that do not jeopardize success of the module.

Delayed

- Progress slightly falls behind Plan of Results and Budget in key areas.
- Deviations/issues/delays/risks could jeopardize success of the module if not managed appropriately.

Off track

- Progress clearly falls behind Plan of Results and Budget in most/all areas.
- Deviations/issues/delays/risks do jeopardize success of the module.

Section 4: **Quantitative overview of key results**

This section provides an overview of results reported and contributed to, by the CGIAR Initiative on Climate Impact Platform from 2023 to 2024. These results align with the CGIAR Results Framework and Climate Impact Platform's theory of change. Further information on these results is available through the CGIAR Results Dashboard.

The data used to create the graphics in this section were sourced from the CGIAR Results Dashboard on 04 April 2025. These results are accurate as of this date and may differ from information in previous Technical Reports. Such differences may be due to data updates throughout the reporting year, revisions to previously reported results, or updates to the theory of change.

Overview of results by category

2024

Outputs

- Knowledge products 128
- Capacity sharing for development 12
- Other outputs 11
- Innovation development 2

Outcomes

- Policy change 7
- Other outcomes 5

2023

Outputs

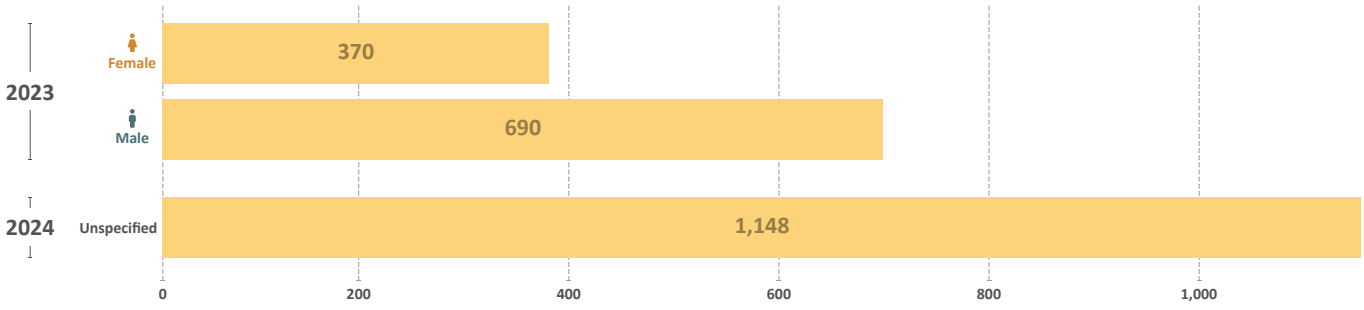
- Knowledge products 29
- Other outputs 15
- Capacity sharing for development 9

Outcomes

- Other outcomes 5
- Policy change 2

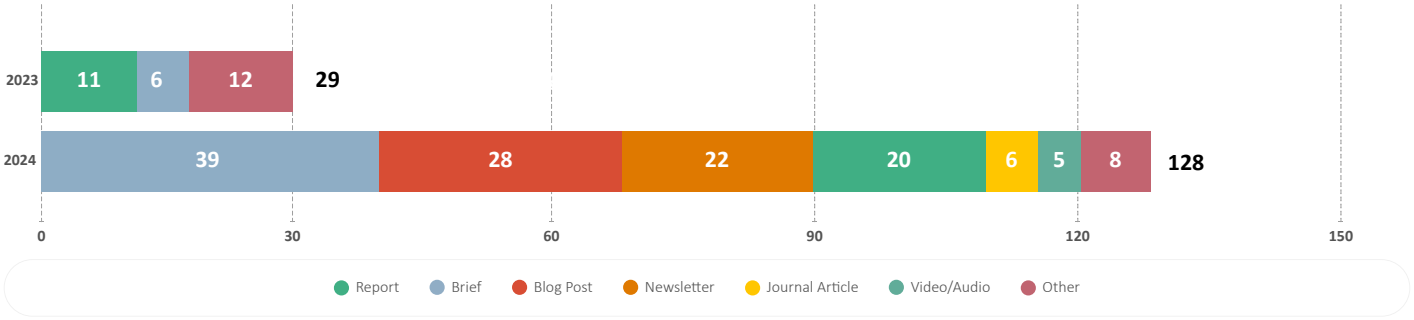
Over the past two years (2023 and 2024), the Climate Impact Platform contributed to 157 knowledge products, 21 capacity development initiatives, and 2 innovations.

Number of individuals trained by the Impact Platform



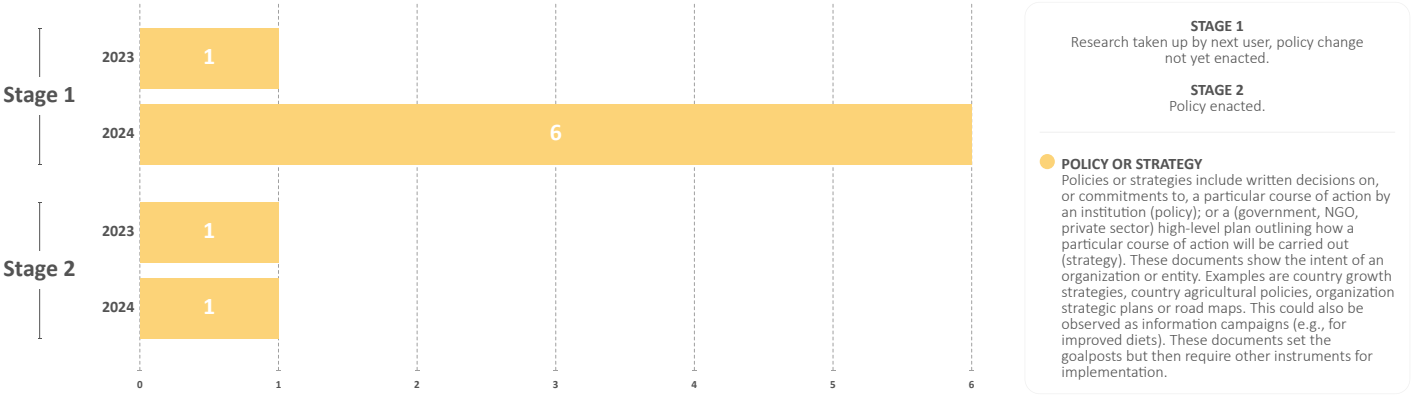
Number of individuals trained by the platform in 2023 (1,060) and 2024 (1,148) with male and female disaggregation. A total of 21 capacity sharing for development results were reported with more of these in 2024. Capacity development actions resulted in 2,208 people empowered with different skills and knowledge transfer.

KNOWLEDGE PRODUCTS BY TYPOLOGY



A total of 206 output results were achieved between 2023 and 2024, including 157 knowledge products ranging from reports and newsletters to opinion pieces and journal articles.

POLICIES BY STAGE AND BY TYPE

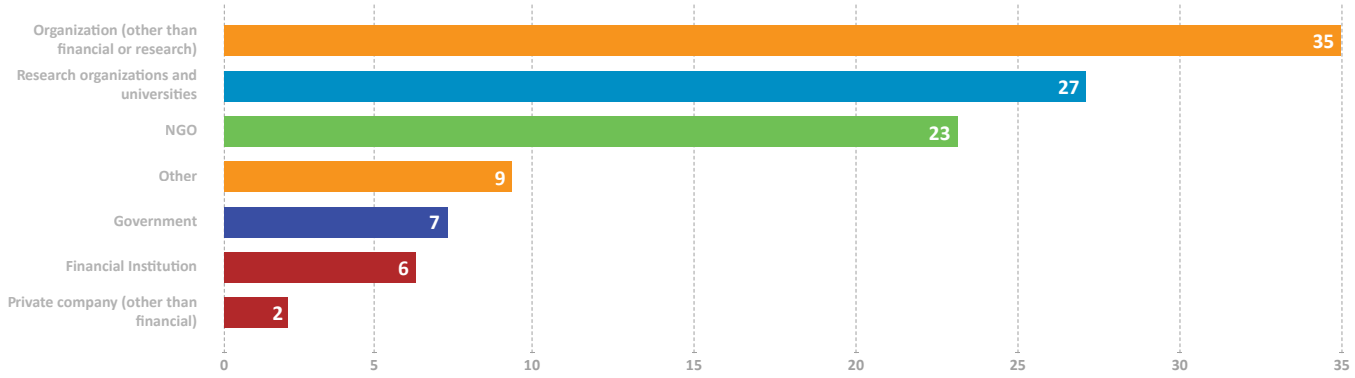


In 2024, the Platform had six engagements focused on influencing policy change. These included:

- The CGIAR Climate Impact Platform informs global climate policy processes; briefs the UN Secretary General, the ICJ, and participates in the IPCC Scoping Meeting
- The CGIAR Climate Impact Platform leads the development of the Agriculture Breakthrough Agenda Report
- The CGIAR Climate Impact Platform amplifies the need for just transitions in the Agrifood sector by advocating within global climate processes
- The CGIAR Climate Impact Platform coordinated CGIAR participation at COP29 in Baku, Azerbaijan and the Bonn Climate Conference, bringing greater coherence and impact
- CGIAR actively shaped the Alliance of Champions for Food Systems Transformation (ACF) strategic direction by advocating for policies and investments that promote sustainable and equitable food systems
- CGIAR submission of its views on the tenth technical expert dialogue and the second meeting under the ad hoc work programme on the new collective quantified goal on climate finance

Section 5: **Partnerships**

GEOGRAPHIC FOCUS OF RESULTS



Partnerships were critical to the work of the Climate Impact Platform, with strong partnerships forged across institutions ranging from government to universities and academia, research centers and financial institutions. A total of 119 partnerships were forged throughout the life of Climate Impact Platform, with 110 formed in 2024 and nine in 2023. Partnerships centered around sharing knowledge and improving communication among experts, such as through the development in 2024 of a centralized **SharePoint site** and one-stop hub for CGIAR scientists to access resources and share knowledge products. The CGIAR Climate Community Dgroups Platform launched in response to demand from countries and partners, strengthened relationships among 500 CGIAR scientists and partners.

Regions and geographic locations where the Platform forged partnerships

In 2024, internal and external partnerships were strengthened to expand global thinking and networks, through a webinar series, and a partnership with the CEE to facilitate eight Systematic Review Methods Training Workshops, equipping NARES, and AGNES with tools to ensure comprehensive, transparent, and reliable evidence syntheses. More than 200 scientists were trained in systematic reviews, initiating a synthesis of more than ten years of CGIAR climate-related science. This included 97 participants from 12 CGIAR Centers, 71 participants from 29 NARES organizations, and 53 participants from AGNES. This capacity-building effort led to the launch of the Systematic Review Methods Training Alumni subgroup on Dgroups.

The Platform also synthesized research and evidence on important CGIAR-relevant climate topics to coincide with critical events such as COP29. For example, leading the collaborative process of developing nine CGIAR Brief Series Issues to informing COP29 discussions and dialogue, bringing together scientists from across CGIAR's research Initiatives to position agriculture and food systems messages at the forefront of discussions at COP29.

The launch of the 2024 Breakthrough Agenda Report: Agriculture was coordinated among several high-level partners, designed to support policy decision-making. These included the official launch at Baku Climate Action Week, and virtual online events, alongside partners including the International Energy Agency, the UN Climate Change High Level Action Champions Team, and CGIAR. The report's launch led to several key discussions at COP29, including the launch of the Nitrous Oxide Pledge; two events led by the Fertilizer Association at the Food and Agriculture Pavilion; the Net-Zero Food Within Reach event on 12 November; a catalyzing dialogue around "super pollutants" in agriculture on 13 November; and the Understanding Breakthrough Agenda Report event at the Parliamentary Pavilion.

In September 2024, the CGIAR Climate Impact Platform supported the first in-person meeting of the Climate Change Attribution and Vulnerability (CAV-Kenya) project at the ILRI headquarters in Nairobi. With CAV-Kenya leads, Joyce Kimutai and Emmanuel Raju, the Platform published a blog, Bridging Science and Action: Bringing Understandings of Vulnerability and Climate Attribution Closer, to explore how CAV-Kenya's work can inform future loss and damage conversations, bolster climate action, and support those most affected by climate change.

The Platform also engaged partnerships with the media, working with journalists directly through MESHA to strengthen evidence-based gender and climate reporting and enhance media coverage of science in Africa while encouraging cross-learning to inform policymaking. At the Food and Agriculture Pavilion at COP29, CGIAR partnered with FAO to host the Food and Agriculture Pavillion. A total of 44 events were hosted at the Pavilion, with 28 being CGIAR-led and 16 partner-led events geared towards driving adaptation emission reduction efforts across food, land, and water systems. At every level, the Climate Impact Platform focused on building strategic partnerships to influence high-level decision-making and advocating for a just and equitable agrifood system transformation. In 2025, we plan to build on these partnerships and continue to enhance technical training and capacity among all stakeholders as a part of AOW 1 of the Climate Action Program.

Martial Bernoux, Senior Natural Resources Officer, Office of Climate Change, Biodiversity and Environment, Rebecca Brooke, Food Systems Lead at the Climate Champions Team UN-High Level Champion, Ifeoluwa Olatayo, BKMC Youth AgriChampion, Founder of Soupah Farm-en-Market Limited, Dr. Aditi Mukherji, Director, CGIAR Climate Impact Platform, Monika Froehler, CEO, Ban Ki-moon Centre and Peter Schmidt, (EESC Member, NAT Section President, and chair of the Ad Hoc Group on COP.

Credit: CGIAR

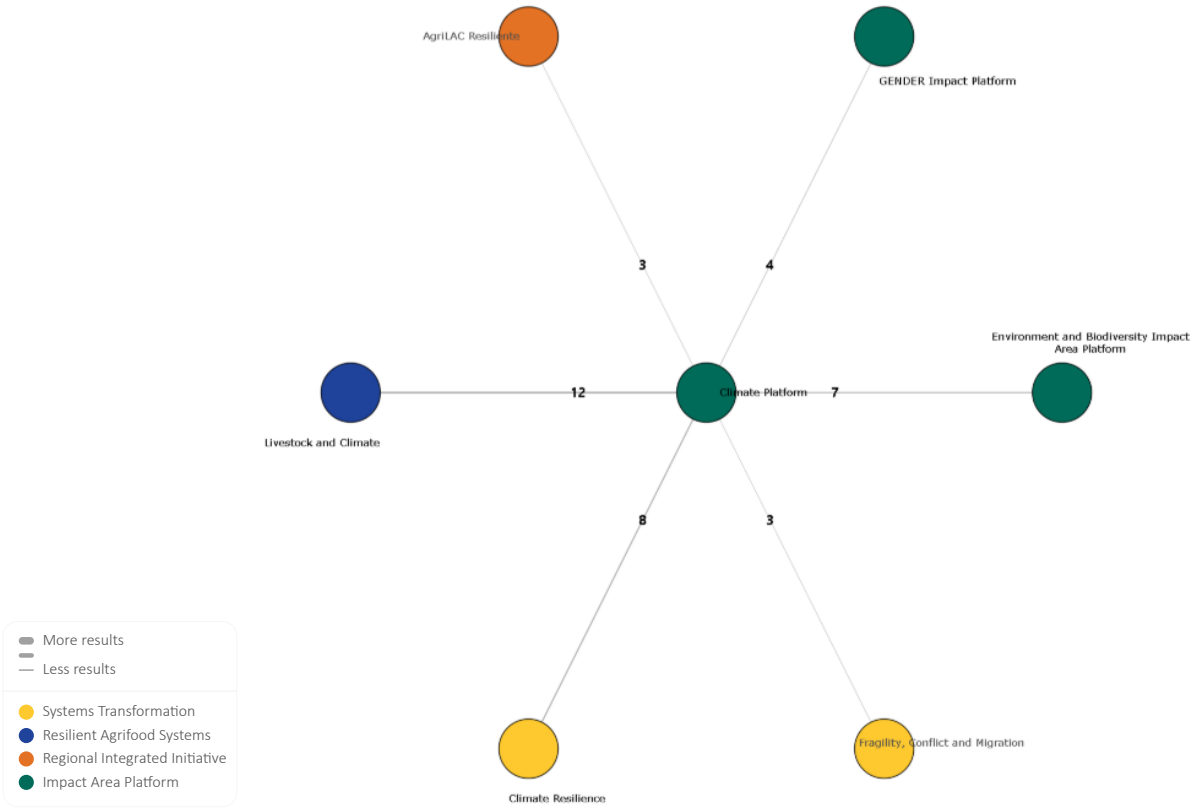
Section 6: **CGIAR Portfolio Linkages**

Portfolio linkages and the Climate Impact Platform's impact pathways

The Climate Impact Platform worked closely with partners including other CGIAR Initiatives, to maximize efficiency and resources towards shared outcomes. Examples included:

- Leading the development of nine CGIAR Issue Brief Series to Inform COP29 discussions and dialogue, with the CGIAR Research Initiative on Asian Mega-Deltas, the Alliance of Bioversity international and CIAT, the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), the International Center for Agricultural Research in the Dry Areas (ICARDA), the CGIAR Gender Impact Platform and the International Rice Research Institute (IRRI). The collaborative series covered the latest trends and in-depth insights on CGIAR research, providing the science to position agriculture and food systems messages at the forefront of discussion at the COP29 climate talks in November 2024 in Baku, Azerbaijan.
- Partnering with the CGIAR Research Initiative on Resilient Agrifood Systems to analyze the CGIAR Research Initiatives on Sustainable Animal Productivity and Livestock and Climate.
- Partnering with the Systems Transformation Initiatives to research Climate Resilience and Fragility, Conflict and Migration.
- Partnering with the Science Group projects to explore Adaptation Insights.
- Partnering with the Regional Integrated Initiatives to research AgriLAC resilience.
- Partnering with CGIAR's other Impact Area Platforms to discuss Impact Area-level indicators for CGIAR.
- Through a partnership with the Gender Impact Platform, the Climate Impact Platform engaged journalists through MESHA to strengthen evidence-based gender and climate reporting and enhance media coverage of science in Africa while encouraging cross-learning to inform policymaking.

INTERNAL NETWORK OF COLLABORATIONS



This diagram presents the internal collaborations of the Climate Impact Platforms with other CGIAR Initiatives and Impact Platforms. Connections are sized according to the number of shared results, highlighting the depth of collaboration across the CGIAR Portfolio. A results threshold filter is applied (set to a minimum of two results) to focus the view on the most significant collaborations. Thicker lines represent stronger collaborative links based on a higher number of shared results.

119 Partners **12** Centers **20** Initiatives, Impact Platforms and Science Group Projects

The CGIAR Research Initiative on Livestock and Climate collaborated the most with the Platform on 12 results, followed by the Climate Resilience Initiative, and the Environment and Biodiversity Impact Platform.

Section 7: **Key result story**

Influencing a just transition in the agrifood system

CGIAR's Climate Impact Platform shaped research and influenced policy engagement to support a just transition in sustainable agriculture to support vulnerable smallholder farmers.

A side event session in progress at the CGIAR-FAO Pavillion, at COP29 in Baku.

Primary Impact Area

Other relevant Impact Areas targeted

Contributing Centers

ILRI

Geographic scope

Regions: Global

Climate change threatens smallholder farmers, requiring a just transition to sustainable agriculture. CGIAR's Climate Impact Platform influenced and engaged policymakers and leaders to ensure a transition to equitable, low-emission agrifood systems that benefit smallholder farmers and communities. This has been done through strategic research to influence UNFCCC negotiations; through rigorous COP29 participation and engagement with leaders to advance climate goals and drive more equitable and just National Adaptation Plans (NAPs) and Nationally Determined Contribution (NDC) plans.

Climate change is disrupting global agriculture, disproportionately affecting smallholder farmers in low- and middle-income countries. Rising temperatures, extreme weather, and resource scarcity threaten food security and livelihoods. Meanwhile, agriculture itself is a major greenhouse gas emitter, requiring urgent action to transition to sustainable practices, but in ways that do not compromise food and nutrition security. To drive this low-emission but just shift, CGIAR's Climate Impact Platform has strategically driven thought leadership and engaged policy and decision-makers in key negotiations to advocate policy shifts and influence change.

Influencing the agenda during global climate processes

In 2024, the CGIAR Climate Impact Platform marked its second participation in the two permanent subsidiary bodies that support the United Nations Framework Convention on Climate Change (UNFCCC). The Platform also coordinated CGIAR's participation in the Bonn Climate Change Conference (SB 60), a precursor to COP29, co-hosting a session on loss and damage in agrifood systems to highlight data gaps in tracking climate impacts on farmers and emphasize the importance of national policies incorporating smallholder perspectives in adaptation plans.

The Platform coordinated CGIAR's participation at the UNFCCC COP29, implementing a comprehensive strategy at the Food and Agriculture Pavilion to ensure agriculture's centrality in climate solutions. At COP29, six sessions at the Food and Agriculture Pavilion, including one CGIAR-led high-level official UNFCCC side event focused on a just transition: "Just Transition Pathways to Achieve Paris Agreement Goals in the Agri-Food Sector". The session explored practical options for robust transition pathways, with presentations by Professor Dr Johan Rockström of the Potsdam Institute for Climate Impact Research, and Monika Froehler, CEO of the Ban Ki-moon Centre for Global Citizens.

The Platform also coordinated the delivery of input across UNFCCC negotiation tracks to influence the outcome of the negotiations. CGIAR prioritized seven key negotiation tracks within the UNFCCC process, including the negotiation track on Just Transitions. To support these priorities, the Platform coordinated the delivery of 10 submissions to the UNFCCC to influence the outcome of the negotiations. During COP29, CGIAR led sessions at the Food and Agriculture Pavilion, amplified the call for inclusive financing, equity in agricultural transitions, and stronger policy frameworks to support smallholder resilience. Notably, CGIAR and FAO's joint submission to the UNFCCC Just Transition Work Programme outlined key measures, including investment in climate-resilient technologies and financial mechanisms for farmers.

Influencing policy and thought leadership

The Platform's communications plan and knowledge strategy positioned CGIAR as a foremost authority in climate change adaptation and mitigation within agricultural and food systems, influencing policy and thought leadership. Strategic campaigns including briefing the UN Secretary General on climate change and its impacts on agrifood systems; the roll out of the Breakthrough Agenda Report on Agriculture; and strategic briefing notes and dialogues designed to inform diverse audiences on CGIAR key messages.

In parallel, the Platform amplified CGIAR's external profile to influence global climate negotiations through high-level briefings to the Intergovernmental Panel on Climate Change (IPCC) and UNFCCC and engagements at 44 events including COP29. To further influence COP29 outcomes, the CGIAR Climate Impact Platform published global thought leadership pieces, issue briefs, and a series of blogs throughout the year in addition to rigorous media engagements. These publications reinforced CGIAR's advocacy for climate-resilient food systems that leave no one behind. Moving forward, Area of Work 1 of the CGIAR Climate Action Science Program will continue influencing global negotiations, fostering partnerships, and ensuring that smallholder farmers are prioritized in the transition to sustainable agrifood systems. CGIAR and the Platform team will continue to influence the Parties and next Presidency to drive the agenda and recognize the value of just transitions for smallholders and all people in developing countries through the Climate Action Program.

> The transition to a low-emission agrifood system must not leave anyone behind. CGIAR's work is focused on developing solutions that reduce emissions while ensuring that the livelihoods of small-scale farmers are protected, contributing to food security, equity, and resilience in the face of climate change.
>
> Dr. Aditi Mukherji, Director, CGIAR Climate Impact Platform, specializing in adaptation in agrifood systems, groundwater governance, the energy-irrigation nexus, and community management of water resources. Aditi is also a contributor to the IPCC.

CGIAR

Aditi Mukerji, Director, CGIAR Climate Impact Platform joins Ismahane Elouafi, Executive Managing Director, CGIAR; H.R.H. Prince Jaime de Bourbon de Parme, Climate Envoy, Netherlands Government; Wampie Libon, Director Inclusive Green Growth, Ministry of Foreign Affairs, The Netherlands; Timmo Gaasbeek, CGIAR SC member / Senior Policy Officer Food Security, Ministry of Foreign Affairs, The Netherlands at COP29.

Credit: CGIAR