



Annual Report **2019/2020**



Ministry for Primary Industries
Manatū Ahu Matua





FONTAGRO is a cooperation mechanism administered by the Inter-American Development Bank (IDB) with membership, governance structure and assets of its own. FONTAGRO is internationally recognized for strengthening agri-food and agro-industrial innovation in a sustainable way. <https://www.fontagro.org/es/>. This publication is a summary of the XXIV Annual Meeting of the Board of Directors of FONTAGRO, in which the results and achievements of the 2019-2020 period are presented.

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Photography and images: Image bank of FONTAGRO, IDB; others provided by authors and participating institutions and used by permission.

Washington D.C., December 2020

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FONTAGRO

Inter-American Development Bank

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Abbreviations and Acronyms

LAC	Latin America and the Caribbean
IDB	Inter-American Development Bank
BD	Board of Directors
EC	Executive Committee
FC	Finance Committee
TC	Technical Cooperation
FAO	Food and Agriculture Organization of the United Nations
FONTAGRO	Regional Fund for Agricultural Technology
KMCD	Knowledge Management, Communication and Dissemination
IICA	Inter-American Institute for Cooperation on Agriculture
R + D + i	Research, Development and Innovation
ATMR	Annual Technical Monitoring Report
OM	Operations Manual
MTP	Medium Term Plan
AOP	Annual Operating Plan
STA	Administrative Technical Secretariat of FONTAGRO
TOR	Terms of Reference



1. Acknowledgments

FONTAGRO warmly thanks all those who have collaborated with the Program during 2020.

At the Inter-American Development Bank: the Vice Presidency of Sectors, and especially the Climate Change and Sustainable Development Sector; the Environment, Rural Development and Disaster Risk Management Division; the Climate Change and Sustainability Division; the Knowledge, Innovation and Communication Sector; the Office of Strategic Alliances; the Donations and Co-financing Management Unit; the Finance Department; and the Legal and Human Resources Department.

We would also like to thank:

the IDB Invest and IDB Lab;
the Inter-American Institute for Cooperation on Agriculture (IICA);
the rest of the international organizations such as the United Nations Food and Agriculture Organization (FAO); the International Food Policy Research Institute (IFPRI); the Alliance of Bioversity International and CIAT; the College of Agriculture and Life Sciences of Cornell University; EMBRAPA; the New Zealand Ministry for Primary Industries; and the Global Research Alliance.

Our acknowledgement also goes to the Directors of FONTAGRO's Board; and to the members of the Administrative Technical Secretariat as well as the external support personnel.



About FONTAGRO

FONTAGRO is a unique worldwide mechanism for the sustainable financing of agricultural R+D+i in Latin America and the Caribbean, and constitutes a forum for the discussion of priority issues of technological innovation. Its purpose is to increase the competitiveness of the agri-food sector and reduce poverty, through the sustainable management of natural resources.

FONTAGRO is made up of 15 member countries: Argentina, Bolivia, Chile, Colombia, Costa Rica, Ecuador, Spain, Honduras, Nicaragua, Panama, Paraguay, Peru, the Dominican Republic, Uruguay and Venezuela. These countries are represented by the highest authority of their respective agricultural research institutes (INIAs), who lead national policies on the subject and are members of the FONTAGRO Board of Directors. The Inter-American Development Bank (IDB) and the Inter-American Institute for Cooperation on Agriculture (IICA) are its sponsors.

FONTAGRO was created in 1998, in an effort to promote agricultural research and development and compensate for the decline in investment in the sector in recent decades. Member countries have contributed US\$ 83 million in capital; as of 31 December 2019 FONTAGRO held an investment portfolio worth US\$ 102 million.

Its governance structure includes the Board of Directors, the Executive Committee, the Financial Committee, and the Technical-Administrative Secretariat managed by an Executive Secretary. Its institutional documents are the Articles of Agreement, the Operations Manual, and the Medium-Term Plans (MTP). Also issued are annual external audit reports and publications on the analysis of FONTAGRO's results and impact.

Its co-financed projects are regional platforms comprising at least two member countries of FONTAGRO, although other, non-member countries may also participate, in this case contributing their own

funds. To date, 159 regional multi-stakeholder platforms have been co-financed for a total US\$119.5 million, to which FONTAGRO has contributed US\$ 24.2 million (20%); other agencies, US\$ 16.7 million (14%); and the participating institutions (counterparts), US\$ 78.6 million (66%). In other words, for every dollar invested by FONTAGRO between 1998 and 2019, the organization has succeeded in obtaining up to four dollars from other parties, while supporting operations that encompass 33 countries with the participation of 531 public and private institutions, including national research institutes, universities, businesses, NGOs and regional and international organizations.

FONTAGRO has established strategic alliances with, among others, the Food and Agriculture Organization of the United Nations, the Alliance of Biodiversity International and CIAT, and the Global Research Alliance in New Zealand, represented in that country by its Ministry for Primary Industry.

As a result, a unique organizational and institutional model was built, a model of inclusion where researchers, innovators and agents of agriculture and food development converge. Over the years, outcome research and impact studies have highlighted outstanding achievements not only in technical aspects but also in the creation of networks, spillovers and spin-offs, and, especially, in strengthening the capacities of all stakeholders in the value chains.

Of the results achieved by FONTAGRO projects, 77% are part of the scientific heritage of national agricultural research systems, 69% are being used by end beneficiaries, and 74% are regional public goods. A study carried out in 2020 on a group of eight projects showed that the total benefit, expressed as Net Present Value (NPV), was US\$ 83,753,240, far exceeding the US\$ 8,112,428 investment.



Our Philosophy

FONTAGRO has renewed its philosophy as a response to the shifts that challenge agriculture and nutrition everywhere. In doing so, it has redefined its mission, vision and values to strengthen its role as a mechanism for sustainable co-financing of R+D+i and enhance its actions as a forum for the discussion of priority issues in agri-food innovation. This philosophy comprises a set of principles that correlate what we are with what we intend to achieve and, at the same time, constitutes a consistent work space which aligns FONTAGRO with all the actors participating in the initiatives to be promoted in the medium term.

FONTAGRO 's Vision

“Transforming agri-food systems through the use of knowledge so that they will be more inclusive and sustainable for the environment and society”.

FONTAGRO 's Misión

“Leading regional articulation, cooperation and dialogue through the sustainable co-financing of public goods initiatives that will contribute to the knowledge and innovation of agri-food systems and to the improvement of the population's quality of life” .

Our Values

Integrity, Solidarity, Efficiency, Transparency and Respect.

Our Beneficiaries

“FONTAGRO considers its beneficiaries to be the farmers, consumers, individuals, families, communities, or organizations that have direct or indirect access to the knowledge generated by the initiatives it co-finances”.

The Three 2020-2025 Strategies



Strategy I: Resilient and sustainable farm network.



Strategy II: Sustainable production systems, agroecosystems and territories.



Strategy III: Food, nutrition and health.

LINK: <https://digital.fontagro.org/pmp-2020-2025/>

2. FONTAGRO Today



USD 124.5
million
mobilized



33
countries



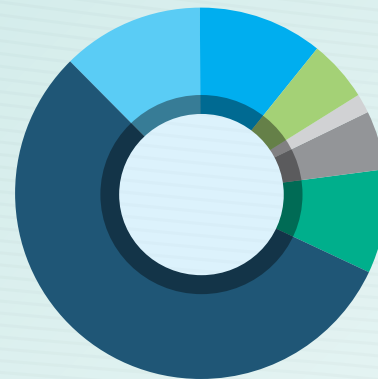
535
public / private
institutions
benefitted



167
agricultural
innovation
platforms



% total contribution to the fund



- 56% National Institutions
- 12% Regional Universities
- 11% International Institutions
- 5% Regional Intitutions
- 2% Institutions & Extra-Regional Universities
- 5% Non-governmental Organizations
- 9% Private Sector





3. Message from the Board of Directors

On March 11, 2020, the World Health Organization declared the newly-discovered coronavirus (Covid-19) infections a pandemic. This health crisis generated greater volatility in financial markets, as well as in global social and economic factors. At FONTAGRO we reviewed our work plans and their technical, administrative and financial impact; we coordinated with the project teams and established new modes of operation based on the digitization and scheduling of activities and delivery of products and results. The outstanding teamwork we developed enabled us to continue our plans and activities.

As of December 31, 2019 our audited financial statement indicated a 2.6% increase over December 2018; moreover, as of August 2020 the status of our investment portfolio showed an improvement of 1.5% over August 2019, reaching a US\$ 100.2 million value.

Along the year, we continued strengthening alliance and membership building, which expanded both our potential for agreements and FONTAGRO's positioning and visibility. We renewed our alliance with the Inter-American Institute for Cooperation on Agriculture (IICA), entered into one with the Food and Agriculture Organization of the United Nations (FAO), and promoted others with the Alliance of Biodiversity International and CIAT, with EMBRAPA in Brazil, and with the Ministry of Primary Industries of New Zealand.

In the same way, we continued implementing programmatic activities, among which we launched the call for "Innovations for the sustainable increase of agricultural productivity in Latin America and the Caribbean in the context of climate change"; designed and approved the new 2020-2025 Medium-Term Plan (MTP); developed two new seed funding investments and six co-financed projects; entered 14 new operations for US\$ 3.21 million, representing a total investment of US\$ 11.4 million; and organized the XV Annual Technical Follow-up Workshop and four meetings of the Board of Directors, all of them in virtual format. However, the pandemic, along with the quarantines implemented in different countries, reduced project activities and pushed the level of disbursement down by 34% compared with 2019.

On the positive side, virtual work increased our international visibility even further with 711 new digital knowledge products. One of the achievements of the year was the launch of our virtual knowledge management platform, which makes it easier for scientists and technicians to disseminate project results. This software is open source and may be obtained by other organizations.

Undoubtedly, 2020 has been a historic year for humanity, in which we have learned to overcome barriers and continue growing thanks to the constant support of the Board of Directors, sponsors, the Technical Administrative Secretariat, researchers, and the associated organizations in strategic alliance with FONTAGRO.



Eng. Pedro Bustos Valdivia
National Director
INIA Chile

President
FONTAGRO



Eng. Agr. Arnulfo Gutiérrez
General Director
IDIAP Panama

Vicepresident
FONTAGRO



Eng. Eugenia Saini
Executive Secretary
FONTAGRO

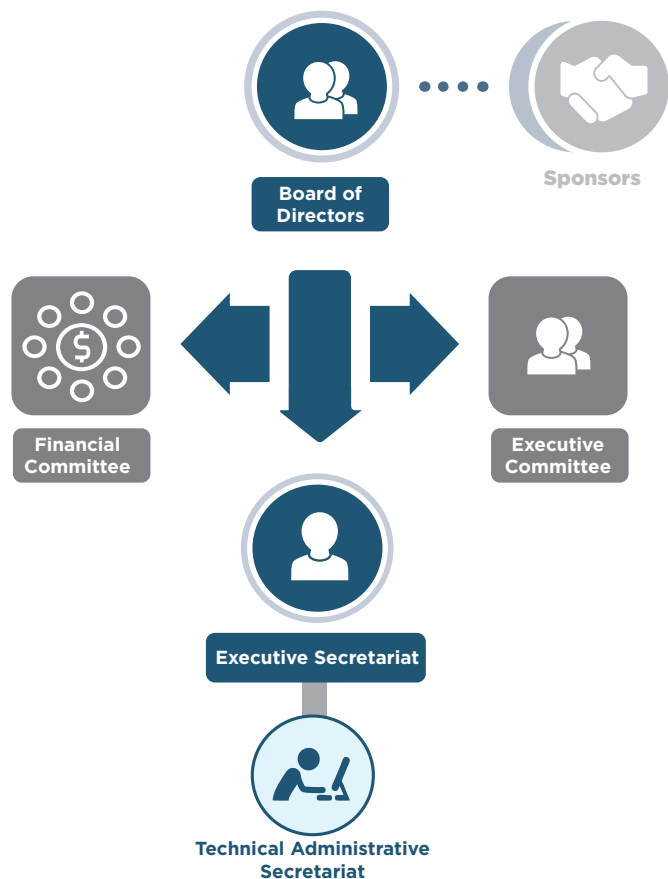
4. Highlights

- On March 11, 2020, the World Health Organization declared the novel coronavirus (Covid-19) infections a pandemic.
- 2.6% increase as of December 31, 2019 in the **audited financial statement** compared to 2018.
- US\$ 100.2 million: the value of the **investment portfolio** as of August 2020, 1.5% higher than in 2019.
- The alliance with the Inter-American Institute for Cooperation on Agriculture (IICA) was renewed, and a new alliance was started with the Food and Agriculture Organization of the United Nations (FAO).
- **167 operations mobilized for a total amount of US\$ 124.5 million.**
- **33 countries and 531 institutions reached since 1998.**
- 4 new projects won the call for “Innovations for the sustainable increase of agricultural productivity in Latin America and the Caribbean in the context of Climate Change”.
- 2 seed funding initiatives and 6 co-financed projects developed in Latin America, the Caribbean and Spain.
- 14 new operations mobilizing a total investment of US\$ 11.40 million.
- 711 new knowledge products and the launch of a digital platform for knowledge management and scientific project communication.





5. Our Governance



- **Institutional synergies:** We worked jointly with representatives of the BD, the sponsors (IDB and IICA), FAO, and other strategic partners on FONTAGRO's programming and representation activities in different workshops and events.

- **Institutional Strengthening:** We approved the new 2021 Operations Manual and the 2020-2025 Medium-Term Plan (MTP) with the participation of representatives of the BD, Cornell University and other international organizations.

- **Authorities and new members were renewed:**

Country	Institution	Authority
Ecuador	INIAP	Andrés Andrade Espinel, Executive Director.
Honduras	DICTA	Juan Gerardo Murillo Gale, Executive Director.
Dominican Republic	INIAF	Eladio Arnaud Santana, Executive Director.
Uruguay	INIA	José Bonica Henderson, Presidente Walter Baethgen, Vicepresidente.



6. Board of Directors

Período 2019-2020

PRESIDENCY: Pedro Bustos, Chile

VICEPRESIDENCY: Arnulfo Gutiérrez, Panamá

EXECUTIVE SECRETARIAT: Eugenia Saini, Argentina

COUNTRY	NAME	DIRECTOR
Argentina	Susana Mirassou	Principal Representative
	Carlos A. Parera	Alternate Representative
Bolivia	Marin Condori Mamani	Principal Representative
Chile	Pedro Bustos Valdivia	Principal Representative
	Emilio Ruz	Alternate Representative
Colombia	Jorge Mario Díaz Luengas	Principal Representative
	Rodrigo Martínez Sarmiento	Alternate Representative
Costa Rica	Arturo Solórzano	Principal Representative
	Enrique Martínez	Alternate Representative
Ecuador	Andrés Andrade Espinel	Principal Representative
	Karla Tinoco	Alternate Representative

COUNTRY	NAME	DIRECTOR
Spain	Esther Esteban Rodrigo	Principal Representative
Honduras	Juan Gerardo Murillo Gale	Principal Representative
	Anna Dunnaway	Alternate Representative
Nicaragua	Miguel Obando Espinoza	Principal Representative
Panama	Arnulfo Gutiérrez	Principal Representative
	Próspero Aguirre	Alternate Representative
Paraguay	Edgar Esteche	Principal Representative
	Raúl Gómez	Alternate Representative
Peru	Jorge Luis Maicelo Quintana	Principal Representative
	Juan Carlos Guerrero Abad	Alternate Representative
Dominican Republic	Eladio Arnaud Santana	Principal Representative
	Luis de los Santos	Alternate Representative
Uruguay	José Bonica Henderson	Principal Representative
	Verónica Musselli	Alternate Representative
Venezuela	Giomar Blanco	Principal Representative



7. Administration y Finances



In the last decade, with the support of the Board of Directors, sponsors, scientists and technicians, farmers, and Administrative Technical Secretariat, FONTAGRO has greatly strengthened its teamwork, becoming a leading mechanism for the articulation of science, technology and innovation in Latin America and the Caribbean.



8. Programming and Operations

Since 1998, FONTAGRO has increased the number of technical cooperation projects to 167, mobilizing around US\$ 124.5 million in capital, of which FONTAGRO has contributed 20%; other agencies, 13%; and participating institutions, the rest as counterparts.

As of October 2020, FONTAGRO held 59 projects, of which 34 are run by active regional platforms, for US\$ 9.4 million (which, added to the contributions of counterparts and other agencies, totals an investment capital of US\$ 37, 9 million), along with 17 new operations. The graphics below highlight additional information.

Eleven Call Projects

1. AHoRa: Application for family producers of musaceae.
 2. Irrigation and ICT Advisory System.
 3. Digitization of small-scale agriculture.
 4. HUBSmartFruit-ALC.
 5. Improvement of the yield of potatoes and other Andean tubers - RoottoFood.
 6. Agroecological model for avian coccidiosis.
 7. Multipurpose silvopastoral systems and family livestock.
 8. Bovine productivity in the South American Chaco region.
 9. Towards a more productive and sustainable rice.
 10. Agtech for Climate Smart Dairy.
 11. Innovation for grazing and forage reserve management.
-

Six co-financed projects

12. Platform for efficient water management.
13. Strengthening capacities for the prevention and management of Fusarium wilt of musaceae in Latin America and the Caribbean.
14. Gene editing for genetic improvement in plant and animal species.
15. Organic carbon sequestration in soils of Latin America and the Caribbean: identification of opportunities and quantification of economic and environmental impact.
16. Regional alliances for the diffusion of beans rich in iron in Latin American countries.
17. Strengthening sustainable agri-food value chains resilient to climate change in Central America and the Dominican Republic.

One Seed Funding approved

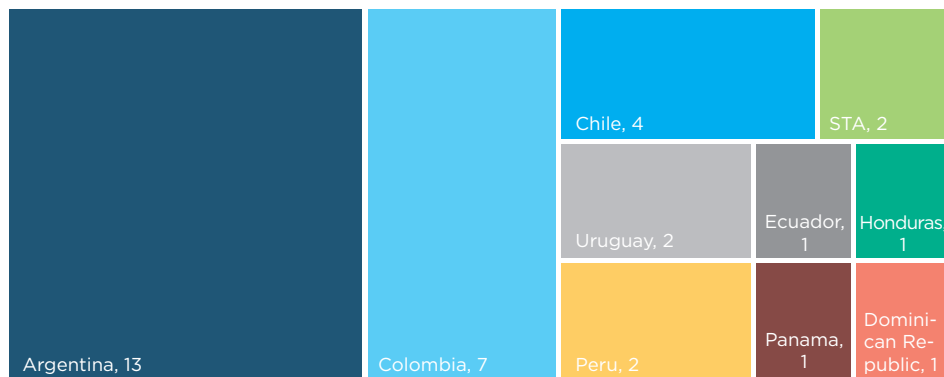
18. Regional platform for the early detection and prevention of quarantine diseases in fruit trees.

Two operations by the ATS

19. Knowledge and Communication Management.
20. AOP 2018-2023.

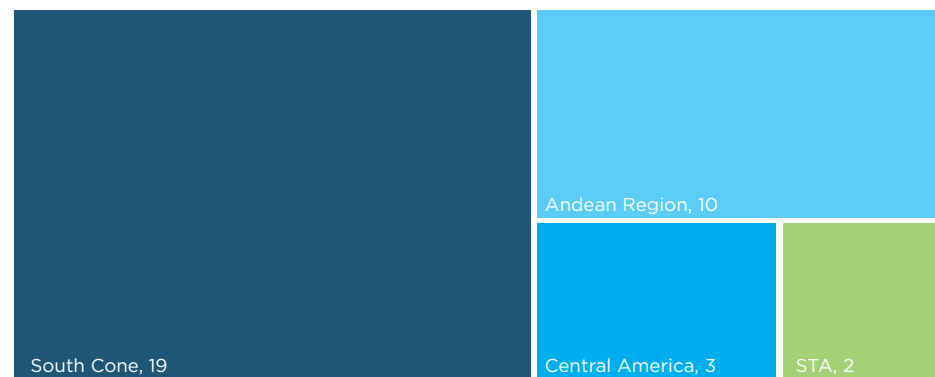


Distribution of projects by country and IO

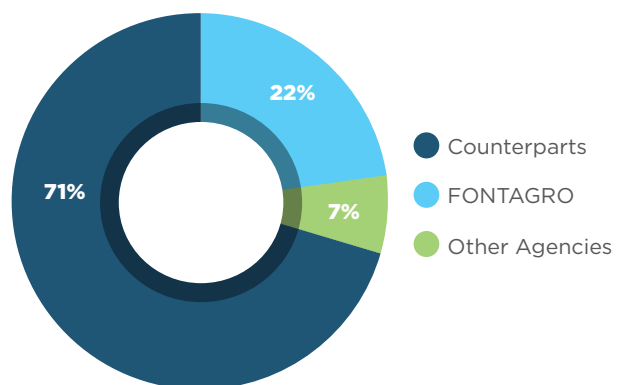


IO: international organization

Distribution of projects by region

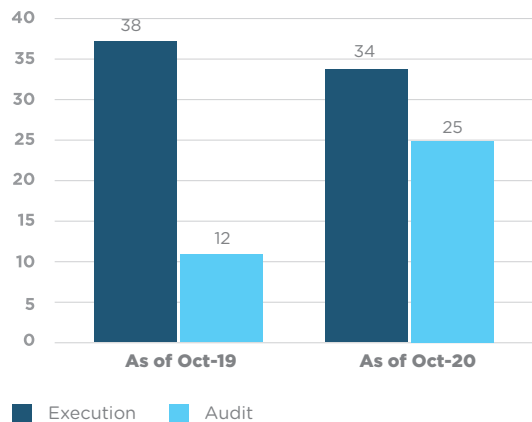


Accumulated contributions by source of origin (in %), 1998-2020 (*)



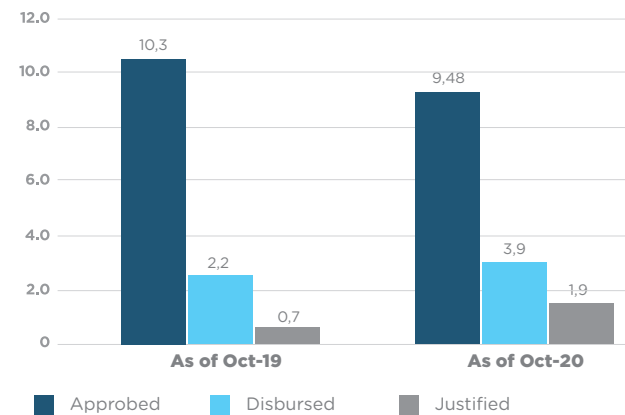
Note: (*) As of September 2020

Number of operations



Note: There's a difference in number of operations between years because some of them has been closed.

Value of operations (in USD million)



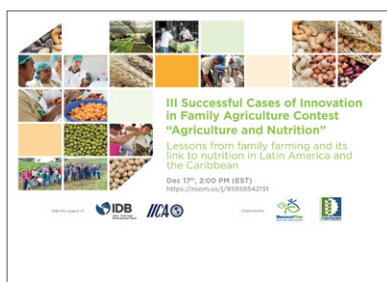


Program Activities



2020 CALL FOR “INNOVATIONS FOR THE SUSTAINABLE INCREASE OF AGRICULTURAL PRODUCTIVITY IN LATIN AMERICA AND THE CARIBBEAN IN THE CONTEXT OF CLIMATE CHANGE”.

4 winning proposals
from 115 profile received.



SUCCESSFUL CASES CONTEST

We organized the 2019-2020 Success Cases of Innovation Competition “Agriculture and Nutrition” award ceremony.

Case N°	Title	Organization	Country
Category I. “Farmers’ associations and other private sector organizations working with LAC producers”.			
1	Sowing food diversity and economic opportunities in the Colombian paramo.	Paramo Farms SAS	Colombia
Category II. “National public sector and non-governmental organizations of LAC”.			
2	Biofortification combats hidden hunger in Panama.	IDIAP	Panama
3	Diffusion of the BRS Amélia cultivar in Southern Brazil.	EMBRAPA	Brazil
4	BioFORT Platform: A nutritious path to the Guatemalan table.	ICTA	Guatemala



2020-2025 MEDIUM-TERM PLAN (MTP)

The new MTP was developed in conjunction with experts from Cornell University, in addition to 22 institutions, the sponsors (IDB and IICA), FAO, and the Ciat-Bioversity International Alliance, among others. A total of 135 specialists participated. The XIII Extraordinary Meeting was held on August 28, 2020 in order to complete the validation process; during the meeting the BD agreed on the contents of the 2020-2025 MTP.

<http://digital.fontagro.org/pmp-2020-2025>



SEED FUNDING

“Strengthening the Value Chain of Biofortified Beans for Native Peoples and Peasants of Latin America and the Caribbean”. Panama (IDIAP), Nicaragua (INTA), Honduras (DICTA), Dominican Republic (IDIAF) and Colombia (AGROSAVIA).

“Regional platform for the prevention and early detection of quarantine diseases in fruit trees”. Argentina (INTA), Chile (INIA, UCHILE), Ecuador (INIAP), Uruguay (INIA), Dominican Republic (IDIAF).



CO-FINANCED PROJECTS

“Regional Alliance for the Diffusion of Iron-Rich Beans in Latin American Countries”. Panama (IDIAP), Nicaragua (INTA), Honduras (DICTA), Dominican Republic (IDIAF) and Colombia (AGROSAVIA).

“Strengthening sustainable agri-food value chains resilient to climate change in Central America and the Dominican Republic.” Costa Rica (INTA), Panama (IDIAP), Nicaragua (INTA), Honduras (DICTA), Dominican Republic (IDIAF).



9. Alliances y Memberships

We made progress in the design of a strategy for alliances and memberships that will strengthen the potential for articulation with other international cooperation programs for the 2020-2025 period.

We participated in the following initiatives:



COP25. FONTAGRO was invited to participate in the panel “Digital revolution for resilient agriculture”.



IFAD. We identified ample opportunities for cooperation, especially on issues related to environment, climate, and gender and social inclusion.



INIA SPAIN. We presented our organization’s research programs and round tables on public-private technological innovation platforms.



FAO. We presented FONTAGRO at FAO headquarters in Rome, acknowledging the importance of joint cooperation in the region and agreeing to enter into an MOU, which was in effect signed on September 4, 2020.



AECID. FONTAGRO presented its progress in recent years and built consensus on the importance of collaborating in the future on innovation issues, with special reference to Central America and the Caribbean.



Global Research Alliance. We continued our work and identified opportunities for collaboration and technical cooperation.



THE ALLIANCE OF BIOVERSITY INTERNATIONAL AND CIAT. We made technical presentations to promote regional articulation.



CIRAD. FONTAGRO was presented to CIRAD authorities and worked with the research directors.



EMBRAPA. We continued collaborative actions between EMBRAPA and FONTAGRO. We identified areas for collaboration and synergies: The BD received EMBRAPA's request to sign an MOU.



AGTECH WORKSHOP AT IDB. FONTAGRO was asked by the IDB's rural development division to participate in an internal workshop on agtech.



IDB CSD/RND/CCS, ORP, IDB LAB, IDB INVEST, CTI, KIC, RES. During the year, meetings and collaborative activities with different areas of the IDB continued, in order to generate synergies and cooperation on issues of agroecology, family farming, gene editing, bioeconomics, and agtech, among others.



WORLD ECONOMIC FORUM. FONTAGRO was invited to take part in a Food Action Alliance Latin America Partners initiative. We made a presentation and discussed the agri-food sector in the region.



ISRAEL. We maintained regular links with representatives of the Government of Israel to identify collaborative ways to foster the development of an ecosystem of technological innovation in LAC.



CIMMYT. We continued our contact with CIMMYT to evaluate opportunities for collaboration.



BAYER - AAPRESID. FONTAGRO was invited to participate in AAPRESID's national conference, where the "Technological ecosystems of Latin America and the Caribbean: the FONTAGRO case" was presented.

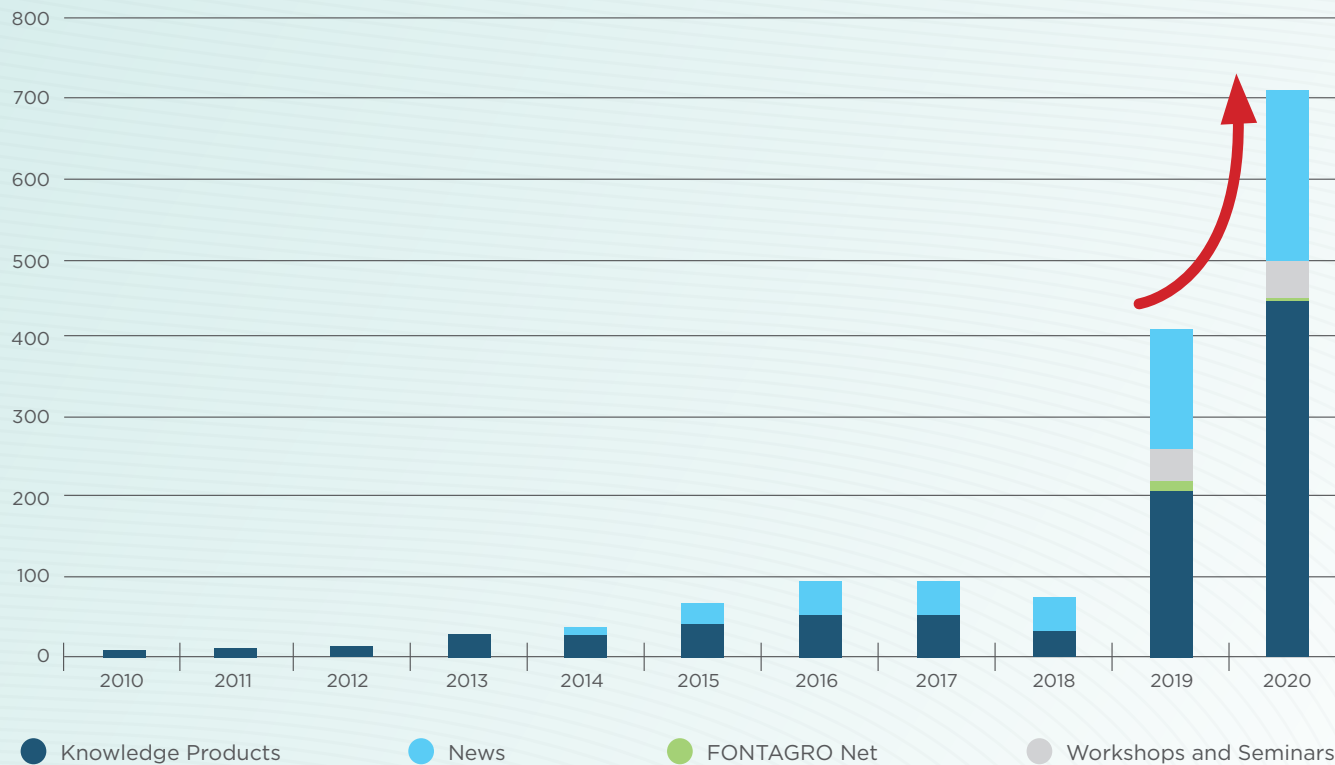


IICA. We renewed our alliance with the Inter-American Institute for Cooperation on Agriculture (IICA).



10. Knowledge Management and Communication

Evolution of Knowledge Management and Communication products





 **711 NEW KNOWLEDGE PRODUCTS**
19 INSTITUTIONAL PUBLICATIONS



[1. 2018-2019 Annual Report](#)

[2. Operations Manual](#)

[3. Instructions for Knowledge Management, Communication and Dissemination of Results.](#)

[4. XVIII Meeting of the Latin American INIA System - Technical Report](#)

[5. Economic returns from FONTAGRO's contribution to agricultural innovation in Latin America and the Caribbean](#)

[6. Analysis of the implementation of the 2015-2020 Medium Term Plan \(MTP\) and recommendations](#)

[7. Manual para el diseño de proyectos de cooperación técnica regional](#)

[8. Environmentally sound interventions and technologies \(ART\) for the adaptation to climate change in the agricultural sector of Latin America and the Caribbean.](#)

[9. Report: "Research agenda for the exclusion, prevention, and management of outbreaks of tropical Fusarium race 4 \(TR4\) in the cultivation of musaceae in LAC".](#)

[10. Bases for the generation of an integrated adaptation strategy for livestock systems in Latin America.](#)



[11. Review of strategies for the management of the coffee borer.](#)

[12. Strengthening water resource management in banana plantation communities: greater resilience against climate variability.](#)

[13. Challenge for food security in LAC: Validation of rice farming practices to improve efficient use of water.](#)

[14. Innovation platform to improve the adoption of climate-adapted technologies by small family farmers: pilot projects in Honduras and Colombia.](#)

[15. Technical Workshop Report: “Gene editing in crops and livestock for Latin America and the Caribbean”.](#)

[16. Agrotech Innovation in Central America and the Caribbean: Opportunities and challenges in the face of climate change.](#)

[17. Agenda for the prevention and management of outbreaks of tropical Fusarium race 4 \(TR4\) in the cultivation of musaceae in Latin America and the Caribbean \(LAC\).](#)

[18. Strategy to strengthen and increase rice productivity in Panama based on scaling up the SICA system.](#)

[19. Innovations for the adaptation of family farming to climate change in Latin America and the Caribbean: success case studies.](#)



610 DIGITAL PRODUCTS



XV TALLER ANUAL DE SEGUIMIENTO TÉCNICO DE PROYECTOS

27, 28 Y 29 DE JULIO
Agricultura familiar y desarrollo rural



- [1 DV019 Annual Report.](#)
- [Proceedings of the XIII FONTAGRO Project Technical Monitoring Workshop \(in web format\).](#)
- [30 webstories or impact stories.](#)
- [32 FONTAGRO in Brief. \(16 in Spanish and 16 in English\).](#)
- [50 FONTAGRO Techs.](#)
- [14 Blogs.](#)
- [6 bi-monthly newsletters and 21 special newsletters.](#)
- [159 Content curation processes of the projects' Internet pages, in Spanish and English.](#)





▶ 42 VIDEOS On FONTAGRO's YouTube channel.



📄 7 TECHNICAL NOTES

- [1. Agrotech Innovation in Central America and the Caribbean: Opportunities and challenges in the face of climate change.](#)
- [2. Agenda for the prevention and management of outbreaks of tropical Fusarium race 4 \(TR4\) in the cultivation of musaceae in Latin America and the Caribbean \(LAC\).](#)
- [3. Strategy for diversification and increase of agricultural productivity in the dry corridor of Nicaragua based on integral water resource management.](#)



4. [Innovations for the adaptation of family farming to climate change in Latin America and the Caribbean.](#)
5. [Strategy to strengthen and increase rice productivity in Panama based on scaling-up the SICA system.](#)
6. [Environmentally sound interventions and technologies \(EST\) for the adaptation to climate change in the agricultural sector of Latin America and the Caribbean.](#)
7. [Guide for the management of intellectual property in regional agricultural research consortia.](#)



MAPPING OF THE GEOGRAPHICAL DISTRIBUTION OF SCIENTIFIC CAPACITIES IN LAC

1. [Mapping of research institutions in Latin America and the Caribbean.](#)



18 WORKSHOPS AND SEMINARS

ámbito agroalimentario que, con la colaboración del INTIA de Navarra, contará con la participación de representantes de los INIA de Iberoamérica, así como de Organismos Internacionales y de varias Comunidades Autónomas se desarrolló del 21 al 23 de Octubre.



MÁS NOTICIAS

-  [Protegiendo Nuevas secciones de Investigadores y Concursos de Calles](#)
-  [Apertura de la Convocatoria ordinaria 2021: etapa de remisión de perfiles](#)
-  [Control biológico como herramienta de prevención frente a Foc B47](#)
-  [Programa EXPOTEGIS - Escuela para Graduados USA Agronomía](#)
-  [Taller Técnico Fondo Semilla - Plataforma Regional para la Prevención y Detección Precoz de Enfermedades Cuarentenarias en Frutales](#)

BOLETÍN FONTAGRO

 [Desarrollamos el 2020](#)



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-  [Taller Técnico Fondo Semilla - Plataforma Regional para la Prevención y Detección Precoz de Enfermedades Cuarentenarias en Frutales](#)

BOLETÍN FONTAGRO

Por Comunicaciones



(Washington DC, 12 de diciembre de 2019) El Presidente de FONTAGRO y Director de INIA Chile, Ing. Pedro Bustos, participará del panel "Promoviendo la revolución digital para la acción climática en el sector agrícola y forestal", en el marco de la COP25. La actividad está organizada por la FAO y tendrá lugar en el Pabellón de Chile a las 16:00h de Madrid.

1. [XVIII Meeting of the INIA System of Ibero-America in Pamplona.](#)
2. [XXIII Annual Meeting of the Board of Directors of FONTAGRO 2019.](#)
3. [Regional research workshop for the exclusion, prevention and management of outbreaks of tropical Fusarium race 4 \(TR4\).](#)
4. [COP25: Digital Revolution for Resilient Agriculture.](#)
5. [Results and impact evaluation workshop.](#)
6. [FONTAGRO Knowledge Week 2020.](#)
7. [FAO conference cycle: The role of agricultural research institutes.](#)
8. [FONTAGRO participated in the first 'Alliances in Progress' webinar.](#)
9. [FONTAGRO introduces Dr. Prabhu Pingali.](#)
10. [Lecture series: Family farming and food supply in a pandemic and food emergency context.](#)



Intensificación Sostenible de la Lechería

Ing Agr. Ph. D. Santiago Farías - NAA Uruguay - BIO
Ver presentación



Intensificación sostenible de sistemas ganaderos con leguminosas

Ing Agr. Ph. D. Alejandro Costantini - INIA Argentina - BIO

11. From waste to business: Bioeconomic Technologies for Family Farming.

12. Conference Cycle: The Agricultural Sector against Climate Change. Within the framework of the Project: “Sustainable intensification of livestock systems using legumes”.

13. Regional workshop on gene editing in crops and livestock for Latin America and the Caribbean.

14. Regional workshop “Bovine leukosis control platform”.

15. 2030 – 2050 multi-agency cocoa platform.

16. Seminar on Commercial Innovations in Family Farming. Within the framework of the project “Family Farmers, Innovation and Markets”.

17. How to narrow the technological gap to develop a more competitive cocoa crop. Within the framework of the project “Improving the competitiveness of the Andean cocoa sector through development and technological innovation in the production and transformation into higher value-added products”.

18. Training course in modeling dairy and dual purpose systems. Within the framework of the Project ‘Sustainable Intensification of Dairy’.

Por Comunicaciones

COVID-19: el rol de los institutos de investigación agropecuaria

Jueves 28 de mayo de 2020
12:00 PM de Chile (GMT-4)

Objetivos: **OBJETIVO 1: Mejorar la sostenibilidad de la producción agropecuaria.**

Washington, 28 de mayo de 2020. Hoy, a las 12pm hora Este (EUA) se realizará la octava conferencia Online de la FAO (Organización de las Naciones Unidas para la Alimentación y la Agricultura) titulada “COVID-19: El rol de los institutos de investigación agropecuaria y agroalimentaria”.

MÁS NOTICIAS

- 2020 Protagon: Hacia secciones de Investigaciones y Centros de Investigación
- 2020 Inauguración de la Convención ordinaria 2020: etapa de renouveau de gestión
- 2020 Control biológico como herramienta de conservación de la biodiversidad
- 2020 Inaugura el CUREPES - Escuela para el desarrollo de la agricultura
- 2020 Taller Técnico Fomento Semilla - Cigarrón de Paqueta para la Prevención y Detección Precoz de la Enfermedad Cuarentenaria en Frutales

BOLETÍN FONTAGRO



4 INITIATIVES ON FONTAGRO NET

“FONTAGRO NET”

TODOS INICIATIVAS ABIERTAS INICIATIVAS CERRADAS

Productividad y Competitividad Frutícola Andina

Universidad Nacional de Colombia - Colombia, Ecuador, España, Perú - CADENA DE VALOR FRUTALES ANDINOS

El objetivo principal de esta iniciativa es incrementar la productividad y competitividad de los cadenas frutícolas de aguacate, los perilleros y los cítricos mediante acciones tecnológicas en producción, transformación, comercialización, instituciones académicas y de formación para implementar tecnologías de adaptación al cambio climático, y mejorar la calidad y vida útil de frutas frescas o sus derivados.

\$400000	\$896149	Desarrollo
SOLICITADO	CONTRAPARTE	ESTADO

Plataforma regional para la prevención y detección precoz de enfermedades cuarentenarias en frutales

Instituto Nacional de Tecnología Agropecuaria (INTA) - Argentina, Chile, Ecuador, Uruguay, Detección precoz de enfermedades cuarentenarias. Calidad de frutales

Prevenir el ingreso y la dispersión de los focos presentes de las enfermedades cuarentenarias (Frutales: Fresa, Fresa de Oporto, Frambuesa y Frijoles en Frutales, Naranja, Durazno, Guayaba, Mandarina, Pera, Uva) en los países de América Latina y el Caribe.

\$300000	\$115000	Semilla
SOLICITADO	CONTRAPARTE	ESTADO

Plataforma multigénera de cacao para América Latina y el Caribe “Cacao 2030-2050”

Escuela Regional de Latón (ERL) - Ecuador, Colombia, Costa Rica, Ecuador, México, Francia, Perú, Cuba, República Dominicana

Generar alternativas para combatir el cambio climático de la producción de cacao de manera sostenible en los 10 países productores de cacao en América Latina y el Caribe, mejorando la productividad y competitividad del sector del cacao por medio de acciones tecnológicas en producción, transformación, comercialización, instituciones académicas y de formación para implementar tecnologías de adaptación al cambio climático, y mejorar la calidad y vida útil de frutas frescas o sus derivados.

\$500000	\$1953546	Desarrollo
SOLICITADO	CONTRAPARTE	ESTADO

Plataforma regional de leucosis bovina

INTA Argentina - Argentina, Chile, Costa Rica, Ecuador, Uruguay - Salud Animal

Realizar el primer diagnóstico por análisis de sangre, sus secuelas en 500 millones de dólares anuales para Argentina, 2000 millones en países vecinos de América Latina y 5000 millones a nivel global.

\$300000	\$115000	Semilla
SOLICITADO	CONTRAPARTE	ESTADO

Control sustentable del vector de HSB en la AP en Argentina, Uruguay, Paraguay y Bolivia

Escuela Regional de Latón (ERL) - Argentina, Bolivia, Paraguay, Uruguay - Mejoramiento de la tecnología del sector del cacao de HSB en América Latina

Elaboración de un protocolo de control de la enfermedad de HSB y de su vector en los sistemas de cultivo de cacao, que permita a los productores tener un control más eficiente y sostenible de la enfermedad de HSB en sus cultivos.

\$300000	\$738550	Desarrollo
SOLICITADO	CONTRAPARTE	ESTADO

Plataforma de colaboración para el uso de nuevas tecnologías en la gestión del agua para la agricultura 2030-2050

INTA Chile - Argentina, Chile, Costa Rica, Ecuador, Uruguay - Recursos Hídricos en Agricultura

El proyecto pretende una modernización de las tecnologías de las herramientas tecnológicas de gestión del agua de los sectores rurales, tanto a nivel de organizaciones de productores como de productores individuales. El objetivo es mejorar el uso del agua en los cultivos de la agricultura. La amplia oferta de herramientas tecnológicas en el momento de los cultivos de los productores rurales en el campo y en el momento de la producción de los cultivos de los productores rurales (FAO) debe ser una de las áreas de trabajo de este proyecto de trabajo.

\$300000	\$1733566	Semilla
SOLICITADO	CONTRAPARTE	ESTADO

Escarificador para labranza profunda en frutales y fertilización en bandas localizadas

INTA - Argentina - Mejoramiento tecnología maquinaria agrícola

Mejorar el uso del suelo que impacta en la producción con un frotaje sostenido de los suelos y una fertilización localizada para mejorar la calidad de los suelos y la productividad de los cultivos de frutales y cítricos. El objetivo es mejorar el uso del suelo y la productividad de los cultivos de frutales y cítricos. El proyecto se ejecutará en los países de América Latina y el Caribe.

\$40000	\$200000	Acceleración
SOLICITADO	CONTRAPARTE	ESTADO

Desarrollo de un cultivar de alfalfa tolerante a múltiples herbicidas vía edición genética

INTA - Argentina - INTA, Edoardo García Ponzoni

Mejorar la producción de alfalfa, que genera importantes pérdidas económicas en los cultivos de alfalfa. El objetivo es desarrollar un cultivar de alfalfa tolerante a múltiples herbicidas, que permita a los productores tener un control más eficiente y sostenible de las malezas en sus cultivos de alfalfa. El proyecto se ejecutará en los países de América Latina y el Caribe.

\$300000	\$115000	Semilla
SOLICITADO	CONTRAPARTE	ESTADO



10 LANDING PAGES



1. [Technology Transfer Mechanisms and Climate Networks in Latin America and the Caribbean.](#)

2. [Climate Technology Transfer Mechanisms and Networks.](#)

3. [Livestock and Climate Change: Applied Research and Knowledge Dissemination.](#)

4. [Livestock and Climate Change: Applied research and Knowledge.](#)

5. [Digital platform for R+D+ i projects.](#)

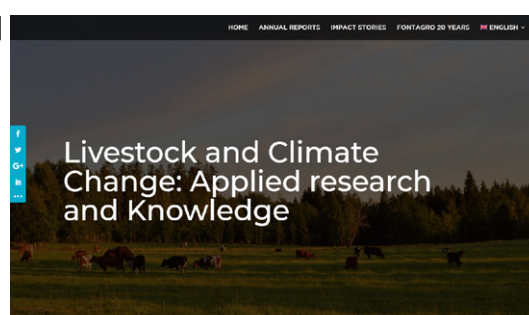
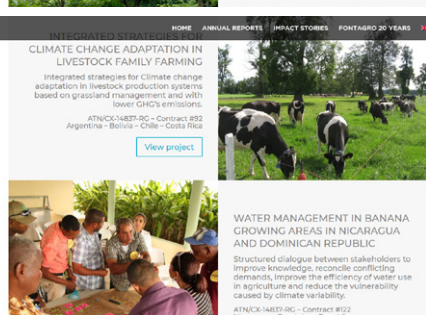
6. [Design of Regional Technical Cooperation projects.](#)

7. [Knowledge Week 2020.](#)

8. [Contest of Successful Cases 2019 - Innovations of impact.](#)

9. [http://digital.fontagro.org/en/concurso-de-casos-2019/.](http://digital.fontagro.org/en/concurso-de-casos-2019/)

10. [2020-2025 Medium-Term Plan.](#)





210 NEWS AND MORE THAN 4,706 FOLLOWERS ON SOCIAL MEDIA

104 news items have been published in Spanish and 7 news items in English.

Social media:

We targeted social media messages and developed campaigns to disseminate project results and institutional events.



FONTAGRO VIRTUAL PLATFORM

the new platform is 100% operational, including all the information available.



TRAINING

We carried out continuous training and provided support to researchers and communication teams on how to upload projects and use the platform to generate dissemination products. In addition, we created brief video instructions to simplify all processes. [See example here.](#)



2. PRODUCTOS DE CONOCIMIENTO Y DISEMINACIÓN



WEBSTORIES

Historia virtual, con componentes visuales atractivos y de fácil actualización.



FONTAGROtechs

Folleto de presentación y diseminación de soluciones tecnológicas.



POSTERS

Pieza gráfica atractiva que a modo de presentación visual da los sumos del momento.



NOTICIAS Y BLOGS

Divulgación de avances, hitos y eventos importantes en la vida de los proyectos.

FONTAGRO IN THE NEWS



FONTAGRO IN THE NEWS
Call for Proposals for the Technological Innovation Program for Agriculture and Agroforestry (PITAG)
With the support of IDB
The Ministry of Agriculture, Natural Resources and Rural Development (MARNDR) of Haiti is implementing, with the financial support of the Inter-American Development Bank (IDB) and the Global Agriculture and Food Security Program (GAFSP) a Technological Innovation Program for Agriculture and Agroforestry (PITAG). This program comprises to attend research sub-projects corresponding to the main cropping [...] [View more](#)

NEWS

01/08/2020 Climate Technology Transfer Mechanisms and Networks in Latin America and the Caribbean LAC

18/07/2020 FONTAGRO announces a new initiative - innovation for pasture management in Uruguay, Argentina and Costa Rica

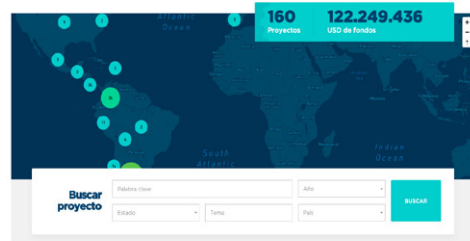
09/07/2020 FONTAGRO announces a new initiative - Boosting productivity in the South American Chaco region

18/07/2020 FONTAGRO announces a new initiative - Search for Climate-Smart Dairy

08/07/2020 Improving the yield of potatoes and other tuberous tubers in Colombia and Bolivia - Road to Food



FONTAGRO IN THE NEWS
7th Annual Global Research Alliance on Agricultural Greenhouse Gases (GRA) Council Meeting
Japan is delighted to host the seventh annual Global Research Alliance on Agricultural Greenhouse Gases (GRA) Council Meeting that will take place 29 August - 1 September 2020 in Tsukuba, Japan. Following the Council Meeting, an International Science Symposium on Agricultural Greenhouse Gas Emissions (ISAG) organized by the National Agriculture and Food Research Organization (NARO) [...] [View more](#)



1. PRESENTACIÓN Y SEGUIMIENTO DE PROYECTOS

Administrative Technical Secretariat



With the support of



Ministry for Primary Industries
Manatū Ahu Matua



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ON AGRICULTURAL GREENHOUSE GASES

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