

**ABOUT FONTAGRO**

FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which is its legal representative.

**GOVERNANCE STRUCTURE**

A Board of Directors with representation of the member countries and a Technical Administrative Secretariat

**MISSION**

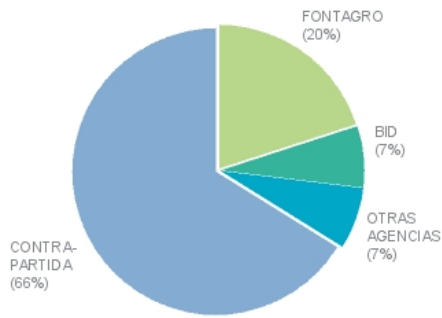
The mission of FONTAGRO is to contribute to the increase of the competitiveness of the agricultural sector, to the reduction of poverty and to the sustainable management of natural resources in the region. FONTAGRO also serves as a discussion forum on agricultural and rural innovation in the region.

**MEDIUM TERM PLAN (MTP)**

The MTP focuses on the improvement of family farming, emphasizing four themes:

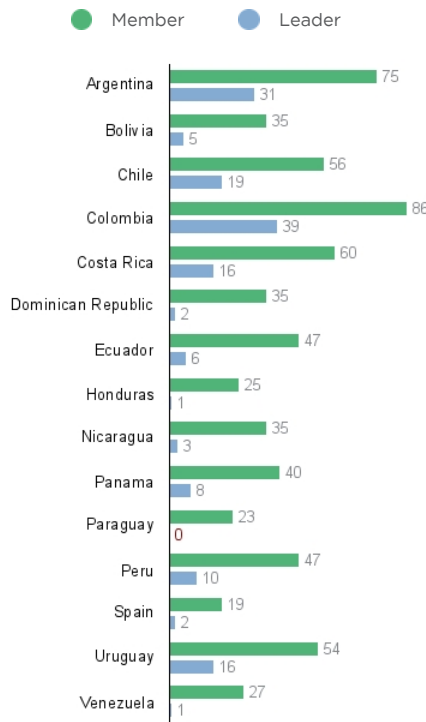
- Technological, organizational and institutional innovation;
- Adaptation and mitigation of climate change;
- Sustainable intensification of agriculture and management of natural resources;
- Value chains and competitive territories

**ORIGIN OF RESOURCES**



- **Counterpart contribution**  
93.177.555
- **Fontagro**  
28.989.468
- **IDB**  
9.922.700
- **Other agencies**  
9.809.078

**PARTICIPATION AND ROLE IN CONSORTIUMS SINCE 1998**



**FONTAGRO IN NUMBERS**

193

Number of projects approved

141.9  
MILLION

Approved total amount US\$

9.8  
MILLION

Contribution from other agencies

32

Benefited countries

63

Generated technologies

15

New technologies for ALC

8

Technology of global relevance

**MEMBER COUNTRIES**

Argentina	Bolivia	Chile	Colombia
Costa Rica	Dominican Republic	Ecuador	Honduras
Nicaragua	Panama	Paraguay	Peru
Spain	Uruguay	Venezuela	

## FONTAGRO IN NICARAGUA

Nicaragua has been member of FONTAGRO since its creation in 1998 with a contribution of US\$ 1.0 million. During the 26 years of membership, Nicaragua has participated in 35 consortiums representing a total of US\$ 28.8 million, of which US \$ 11.6 million were contributed by FONTAGRO and other agencies. Additionally, Nicaragua has led 3 of these 35 consortiums. The projects in which Nicaragua has participated have included research and technological development in coffee, corn, bean, banana, rice, cassava, tomato and palm crops. Nicaragua has also participated in livestock projects, production chains, food safety, rural extension, among others. Some of the most important results are:

1. It was discovered that relative humidity and precipitation are the two most important factors in the development of the epidemic caused by the Black sigakota of banana, as well as the progress curve of this disease.
2. F1 hybrid clones of Coffea arabica were developed that have shown significantly higher productions (up to 150 % more on average) and of the same quality as the traditional varieties. There are possibilities to increase the quality of coffee produced in low areas, with the planting of selected clones for these altitudes.
3. A manual of good management practices for the safety of lettuce and tomato was created.
4. Predatory mites of *Steneotarsonemus spinki* of the genera *Neoseiulus*, *Propioseiopsis*, *Pseudoparasitus* and *Hypoaspis* were identified, which weaken the sustainable production of rice.
5. Three promising lines of improved rice germplasm that are in the final evaluation phase were identified. INTA Fortaleza tolerant to the mite-fungus-bacteria complex was released.
6. Two varieties of maize tolerant to climate change and pod rot were released.

## STRENGTHENING

1. The platforms increased the efficiency and effectiveness of research and innovation, strengthening the capacities of researchers.
2. Technical, organizational and institutional strengthening at national and international level.
3. Access to partnerships in projects with the International Center for Tropical Agriculture (CIAT), the International Center for the Improvement of Maize and Wheat (CIMMYT), the International Potato Center (CIP), CATIE, SICTA-IICA, PROMECAFE, CIRAD of France, Bioversity, Texas University, EMBRAPA of Brazil, etc. Through these, we have also obtained access to multiple international cooperation networks such as the Latin Potato Network where institutions from more than 11 countries participate at a global level, PROMECAFE, CGIAR, etc.
4. The FONTAGRO projects generate privileged and free access to technologies, contacts, publications, case studies and international networks.

## EXAMPLES OF PROJECTS IN NICARAGUA

YEAR	LEAD INSTITUTION	MEMBERS OF THE CONSORTIUM	TOPIC	AMOUNT OF THE CONSORTIUM
2022	IDIAP PANAMA	INTA (NI); DICTA (HN); AGROSAVIA (CO); IDIAF (DO);	Regional alliances for iron-rich beans in Latin American countries	\$544,500
2021	UNA COSTA RICA	FHIA (HN); INTA (NI); COCABO (PA); FJDV (ES);	Geographical indications for Mesoamerican cacao	\$798,736
2020	AGROSAVIA COLOMBIA	INIAP (EC); IDIAP (PA); FITTACORI (CR); INTA (CR); IDIAF (DO); INTA (NI); AGROCALIDAD (EC); INIAF (BO); INIA (PE); UNA Paraguay (PY); ASBAMA (CO); DICTA (HN); CIAT (CO); Bioversity International (CR); BID Invest (US); AUGURA (CO); OIRSA (CR); MUSALAC (CR); Alianza Internacional Bioversity - CIAT (CO); IICA (CR); BID (US);	Prevention and management of Fusarium wilt	\$1,784,298
2019	ARGENINTA ARGENTINA	INTA (AR); INTA (NI); INIA (UY); CSIC (ES); WUR (NL); KILIMO (AR);	Irrigation advice system and ICTs	\$459,004
2019	IDIAP PANAMA	INTA (NI); DICTA (HN); AGROSAVIA (CO); HARVESTPLUS (CO); EMBRAPA (BR); CENTA (SV); ICTA (GT);	Biofortified bean value chain	\$144,749



<b>2018</b>	ARGENINTA ARGENTINA	INTA (AR); INIA (CL); INIAP (EC); INTA (NI); IDIAF (DO); IPTA (PY); INIA (UY); EMBRAPA (BR); PROCISUR (UY); Ministry for Primary Industries NZ (NZ);	Sustainable intensification of livestock systems with legumes	\$1,794,524
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