

New genetics to add value to agricultural and livestock production

ARGENTINA / CHILE / COLOMBIA / ECUADOR / PARAGUAY / URUGUAY / BRAZIL



i Webstory



The technological solution

The project creates an inter-institutional platform for research and application of gene editing knowledge (EG) that will consolidate the regional research and innovation capacities in species of agricultural interest.



Description

Genome edited based pilots oriented to: i) Obtain potato varieties with increased nutritional and industrial quality, ii) development of soybean with higher nutritional value suitable for humans, birds and fish iii) generation of animals with modified characteristics to generate products and/or by-products of interest



Results

Despite the pandemic situation, in the first year 3 training instances were carried out involving researchers from Argentina, Ecuador, Peru, Chile and Colombia. Practices for the isolation and transfection of potato protoplasts were addressed; Protocols for soybean gene editing were generated and knowledge in animal cloning and gene editing was updated. These increased capacities allow us to envision important advances for the second year.

+48

Staff trained in gene editing

+35

Women trained in gene editing

+6

Workshops

+56

Members of the public-private GE Regional platform

8

Regenerated genotypes from protoplasts

4

Potatoes with improved quality or health

MAIN DONORS



PARTICIPATING ORGANIZATIONS



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.

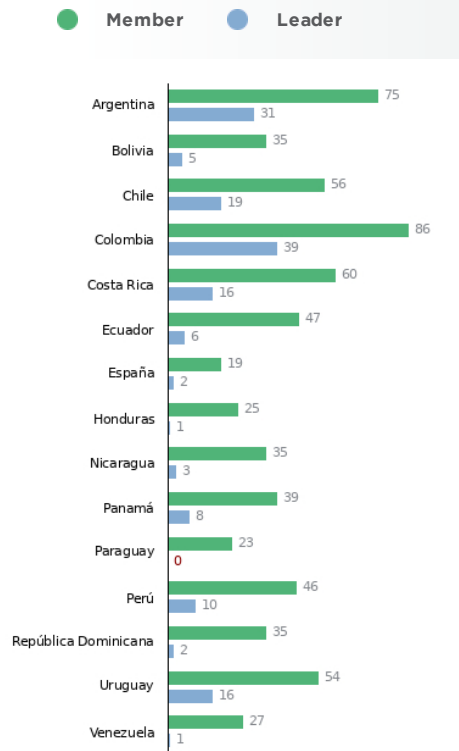


ORIGIN OF RESOURCES



- 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 Approved total amount US\$
MILLONES

9.8 Contribution from other agencies
MILLONES

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 | |