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# Technical cooperation in the search for climate-resilient potatoes in LAC

COLOMBIA / BOLIVIA / ECUADOR

Webstory



## The technological solution

The evaluation and selection of potato clones characterized by high yield, early maturity, resistance to viruses, tolerance to heat and drought, and processing quality will help reduce the economic and food security risks associated with climate variability for small and medium potato farmers in the Andean region



## Description

The Colombia, Ecuador, and Bolivia consortium, along with the actors of the potato production chain in the Andean Region aims to strengthen participatory breeding programs for the selection of materials and the future adoption of varieties adapted to the agroclimatic conditions of each country, with special attributes of interest for consumption



## Results

- At least eight elite clones are expected to be identified, characterized by drought tolerance, early maturity, and high agronomic value, selected from a group of potato families or progenies and local materials, as well as at least two advanced clones for future multi-environment evaluations and variety registration.
- The use of participatory selection methodologies is expected to be promoted through integrative analyses that highlight the role of farmers in selecting promising materials, as well as the interaction of member countries and the use of common methodologies.
- Training and mentorships will be promoted through the training of project-associated researchers, students, and members of the potato production chain, through five virtual workshops, three thesis, three journal papers, and dissemination events of project results

<b>5</b>	<b>3</b>
It is expected to do trainings	It is expected to publish scientific papers
<b>3</b>	<b>350</b>
It is expected to write thesis	It is expected farmers to be involve in Participatory varietal selection
<b>+3000</b>	<b>+8</b>
It is expected people training	It is expected to select potato clones

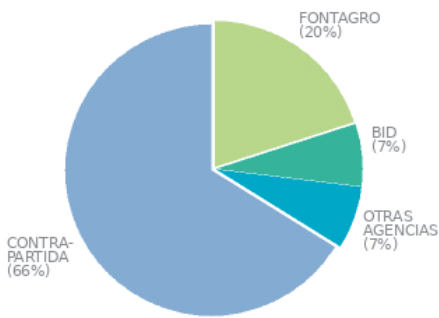


ABOUT FONTAGRO

FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (LAC) 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.

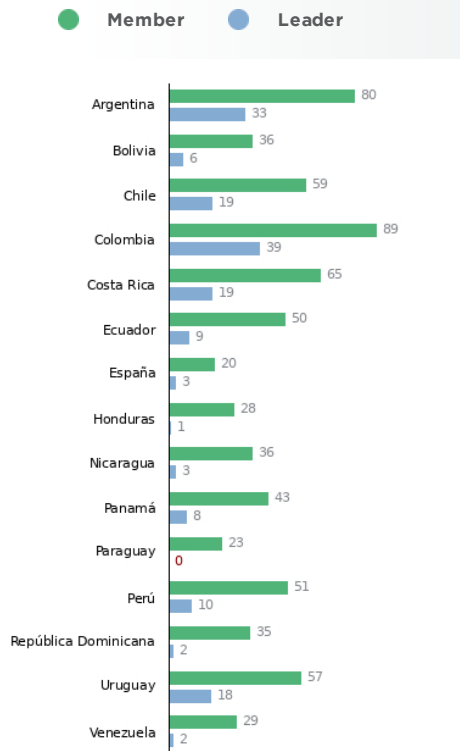


ORIGIN OF RESOURCES



- **Counterpart contribution**  
99.190.633
- **FONTAGRO**  
30.479.468
- **IDB**  
9.922.700
- **Other agencies**  
11.123.601

PARTICIPATION AND ROLE IN CONSORTIA SINCE 1998



FONTAGRO IN NUMBERS

**204** Number of projects approved

**150.7** Approved total amount US\$  
MILLONES

**11.1** Contribution from other agencies  
MILLONES

**33** Benefited countries

**63** Generated technologies

**15** New technologies for LAC

**8** Technology of global relevance

MEMBER COUNTRIES

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