

# Good quality seed: the basis for good production and better yields in the cultivation of native potatoes and Andean tubers

COLOMBIA / BOLIVIA



 Webstory



## The technological solution

The use of good quality seed, the adoption of IPDM strategies and the socio-organizational strengthening, improve the yield of potato crops and Andean tubers in family farming



## Description

With the strengthening of the community fabric of the families participating in the project, is expected to improve the system of potato and Andean tubers production of small producers, encouraging the use of seeds of good genetic and phytosanitary quality.



## Results

Collection of native potato and Andean tuber materials were made in Bolivia and Colombia. Currently in Bolivia there are 56 varieties of native potatoes (*Solanum tuberosum*), 7 varieties of oca (*Oxalis tuberosum*), 3 varieties of papa lisa (*Ullucus tuberosus*) and 2 varieties of mashua (*Tropaeolum tuberosum*). In Colombia, 15 varieties of native potatoes (*Solanum tuberosum*) and 18 varieties of mashua (*Tropaeolum tuberosum*) were rescued. These tubers were sown in Participatory Research Cores (PRC), where the seed is being multiplied to deliver to farmers and for the introduction to tissue culture laboratory for its phytosanitary cleaning. 1100 potato seedlings have been delivered to small producers in Bolivia.

Currently, 5 PRC have been established, in which the behavior of these varieties of native potatoes, mashua, vegetables and aromatic plants is being evaluated in agroecological arrangements.

Workshops and field days have been held on issues related to good agricultural practices, monitoring and integrated pest management, morphological and molecular characterization, production of mini-tubers, production of biopreparations.

Workshops have been held on self-esteem, collegiate

30

Native potatoes varieties characterized

1123

Trained people

20 %

Fewer applications of agrochemicals

10 %

Better yield of native potatoes crops

250

Families benefiting directly

10

Beneficiary students

## PARTICIPATING ORGANIZATIONS

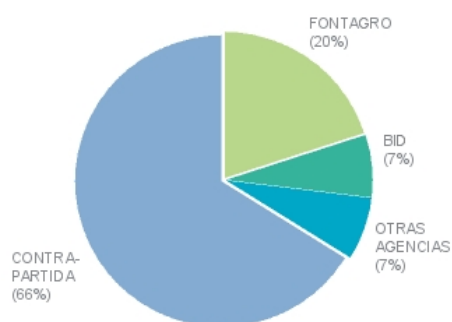


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## ABOUT FONTAGRO

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



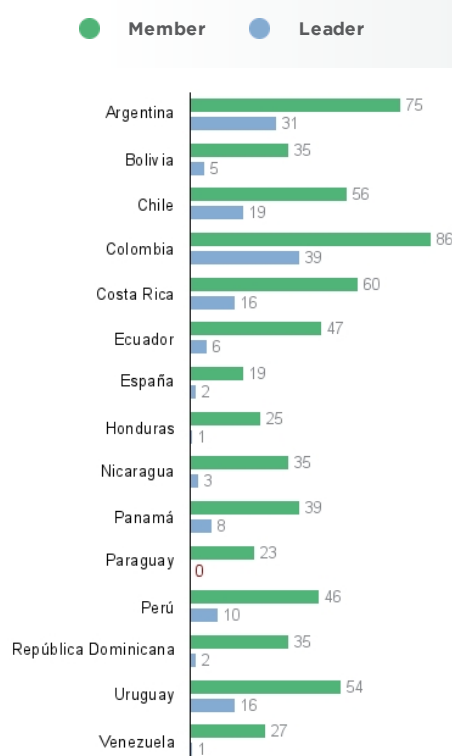
● **Counterpart contribution**  
93.177.555

● **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

