

Lignocellulosic fruit residues for biocomposites or biocatalysts

COLOMBIA / SPAIN

 Webstory



The technological solution

In the harvesting and processing of fruits, a great variety and quantity of waste is generated, almost all of it wasted. Several alternatives have been developed for adding value to these materials.



Description

Once dried and conditioned, the fruit plantation residues (or lignocellulosic residues) were used as fillers in the elaboration of biocomposite materials to which various properties were measured to evaluate their potential applications such as packaging, parts for vehicles, supports for enzymes, among others.



Results

- Construction of a sustainable and sustainable innovation model for the blackberry, lulo (naranjilla), passion fruit, guava and tree tomato chain.
- Value was added to the residues of fruit production.
- Prototypes of food and non-food products were developed based on different types of waste.

1200

Benefited families

1276

Trained people

14

Papers

18

Training events

PARTICIPATING ORGANIZATIONS



CORPC

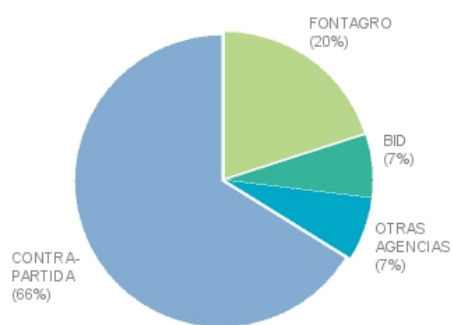


MAIN DONORS

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



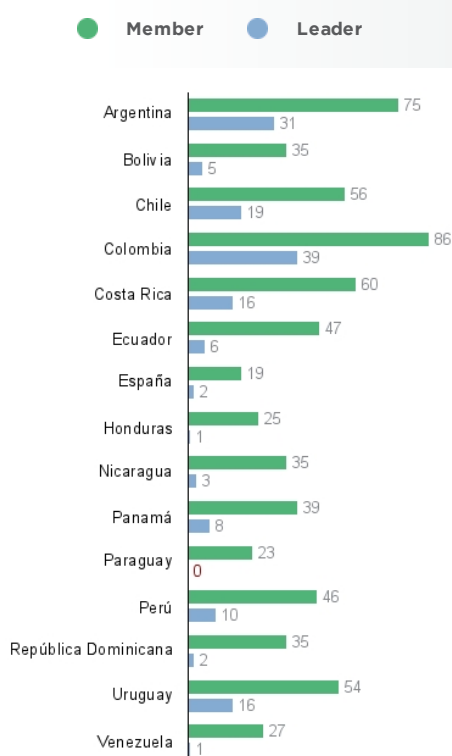
● **Counterpart contribution**
93.177.555

● **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

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