

Vertical Agriculture and its contribution to Food Security

PANAMA / ARGENTINA / COLOMBIA / COSTA RICA



Webstory



The technological solution

Vertical Agriculture was generated as an alternative to guarantee food security and sustainable food production. This system is characterized by producing intensive crops under controlled or uncontrolled conditions, arranged vertically and in little space, its use allows consumption of 5 to 20% of water and only requires 1 to 5% of the area



Description

The challenge for LAC will be the implementation of this technology in intensive agricultural production systems. This proposal proposes the validation of vertical production systems and the dissemination of technologies, strengthening their sustainability in each country. The acceptance of technologies, productivity and profitability indicators.



Results

The research proposal aims at the productive, economic and sustainable validation of different production options under AV systems (controlled, protected or semi-protected environment), which allow improving productive factors, increasing performance due to a greater number of production cycles. per year, increase the cultivated area.

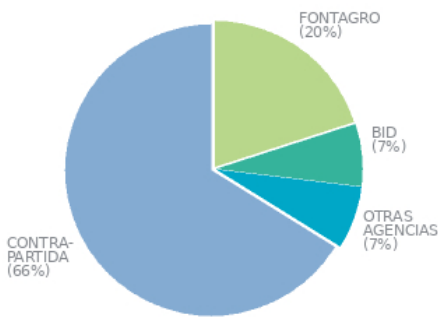


ABOUT FONTAGRO

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.

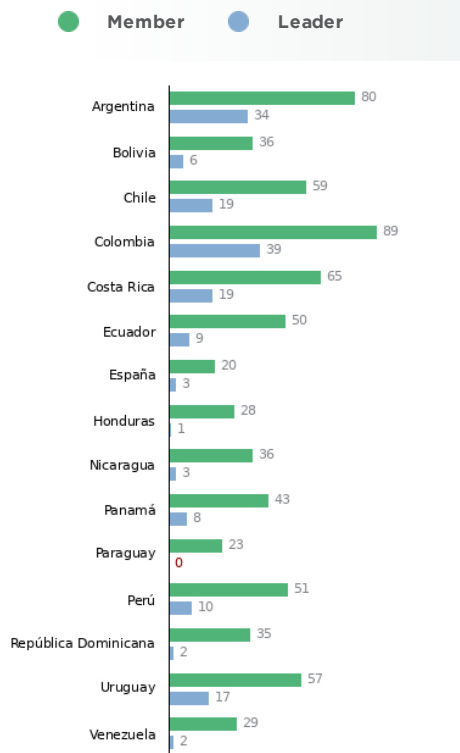


ORIGIN OF RESOURCES



- **Counterpart contribution**
99.190.633
- **FONTAGRO**
30.389.468
- **IDB**
9.922.700
- **Other agencies**
11.123.233

PARTICIPATION AND ROLE IN CONSORTIA SINCE 1998



FONTAGRO IN NUMBERS

204 Number of projects approved

150.6 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 | |