

Carbon sequestration opportunities in soils in Latin America and the Caribbean

URUGUAY / ARGENTINA / CHILE / COLOMBIA / COSTA RICA / UNITED STATES

 Webstory



The technological solution

Soil carbon stock change rate factors, developed from measured data, for relevant production strategies with climate change mitigation and adaptation potential for Argentina, Chile, Colombia, Costa Rica and Uruguay.



Results

A multi-agency platform was established, with monthly virtual meetings (25) to agree on a common work plan, coordination and monitoring of activities. A total of 23 technical events (webinars, seminars and local meetings) were held to strengthen regional capacities and promote knowledge exchange between institutions. Three workshops were held in Chile, Costa Rica, Argentina, and Uruguay to train national teams. Each country is working with a team of regional consultants, to identify opportunities for carbon sequestration in soils and estimate its impact on net greenhouse gas emissions. The five countries have already completed soil sampling activities, processing, conditioning and shipping 2,878 samples to the UC Davis isotope laboratory in the United States. Progress is being made in building a regional database and calibrating NIRS curves. An application was developed in Google Earth Engine that centralises project data and supports national soil carbon reports under the TIER2 methodology.



Description

Six workshops and seminars were held to strengthen local capacities in determining soil organic carbon; quantifying stock changes at regional and national levels; and using carbon simulation models.

59

Total technicians

41 %

Women trained

238

Dissemination and training instances

2878

Sampling sites

+5

Technological solutions and innovations

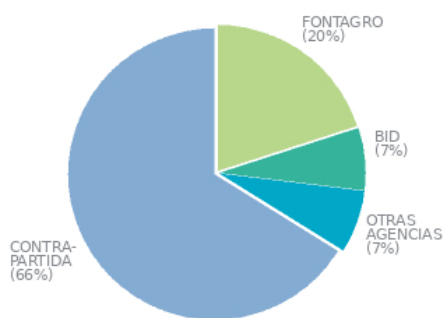
+5

Technologies with lower emissions

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. The Inter-American Development Bank (IDB) is its legal representative, and the Inter-American Institute for Cooperation on Agriculture (IICA) is its sponsor.

ORIGIN OF RESOURCES



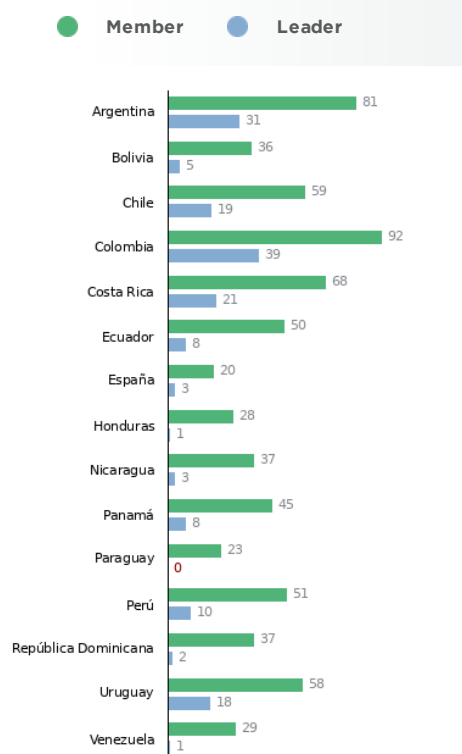
● **Counterpart contribution**
99.076.177

● **FONTAGRO**
30.879.468

● **IDB**
9.922.700

● **Other agencies**
11.140.612

PARTICIPATION AND ROLE IN CONSORTIA SINCE 1998



FONTAGRO IN NUMBERS

205 Number of projects approved

151.0 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

