

Effect of grazing on the circulation of nutrients in the grasslands of the Río de la Plata

ARGENTINA / UNITED STATES / URUGUAY

 Webstory



The technological solution

Development of prospecting systems based on the historical behavior of the Normalized Green Index (NDVI), Primary Net Air Productivity (PPNA) and climatic variables for farms in the region, implementing management strategies that optimize the economic, social and environmental use of information.



Description

Using simulation models, the long-term effects of grazing on nitrogen and carbon circulation throughout the region were determined (CENTURY biogeochemical model).



Results

- A model of the NDVI-PPNA relationship for grasslands developed.
- Weather forecast information and pasture growth with a monthly frequency.
- Training for technicians and producers.
- Satellite and climatic information of the intervention area.

210

Trained Technicians and Farmers

10

Publications

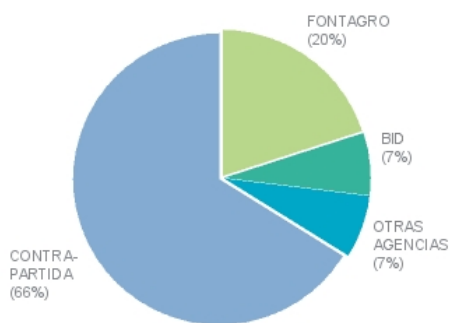
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Thesis

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



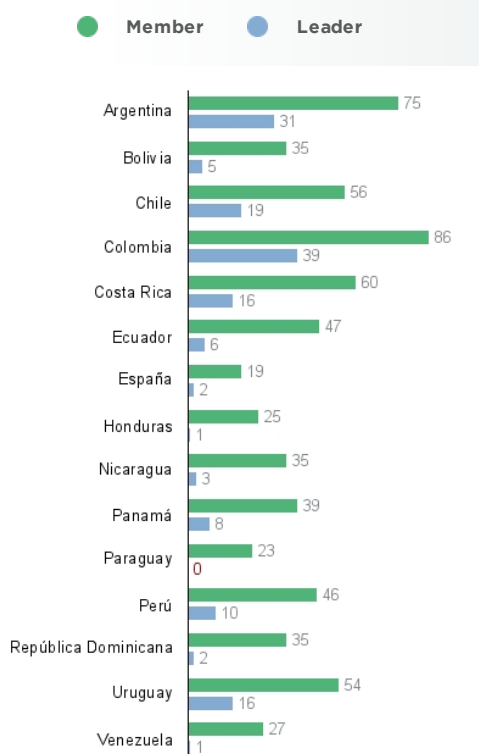
● **Counterpart contribution**
93.177.555

● **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

Argentina

Bolivia

Chile

Colombia

Costa Rica

Dominican Republic

Ecuador

Honduras

Nicaragua

Panama

Paraguay

Peru

Spain

Uruguay

Venezuela