

# Conceptual models of desertification in the Patagonian region

ARGENTINA / UNITED STATES / URUGUAY



Webstory



## The technological solution

Develop prospecting systems based on the historical behavior of the NDVI and climatic variables for farms in different regions and forage production systems, implementing management strategies that optimize the use of information in economic, social and environmental terms.



## Description

Conceptual models of desertification in the region were developed, relating the changes in land cover to processes of deterioration of the vegetation and the livestock receptivity of the grasslands.



## Results

- The distribution of types of land cover in the Pampean region was estimated.
- Land use maps of the entire region for the last 5 campaigns.
- Training for technicians and producers.
- Satellite and climatic information of the intervention area.

210

Farmers benefited

10

Publications

5

Thesis

### PARTICIPATING ORGANIZATIONS



**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.

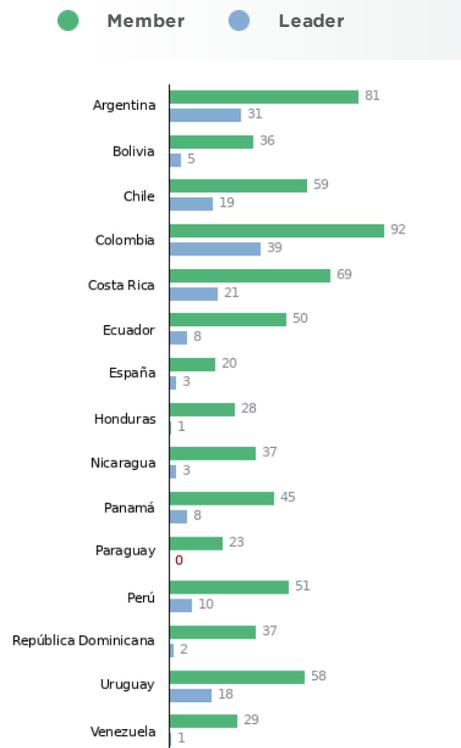


ORIGIN OF RESOURCES



- **Counterpart contribution**  
99.276.177
- **FONTAGRO**  
31.211.068
- **IDB**  
9.922.700
- **Other agencies**  
11.140.612

PARTICIPATION AND ROLE IN CONSORTIA SINCE 1998



FONTAGRO IN NUMBERS

**205** Number of projects approved

**151.6** 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 |          |