

# Development of a forage production prospecting system based on NVI and climatic variables.

ARGENTINA / UNITED STATES / URUGUAY



 Webstory



## The technological solution

Characterize on a regional scale the establishment of forage resources in the grasslands of Río de la Plata and Patagonia and develop productivity forecasting systems based on the normalized green index (NVI) and historical climatic data.



## Description

The variations in the state of the herds were closely related to the variations in the NVI. 73% of the variations in body weight, 76% of the variations in fat thickness and 86% of the variations in body condition were explained by the NVI.



## Results

- A model of the NVI-productivity 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

Beneficiaries

10

Publications

5

Thesis

### PARTICIPATING ORGANIZATIONS



UECOL

## ABOUT FONTAGRO

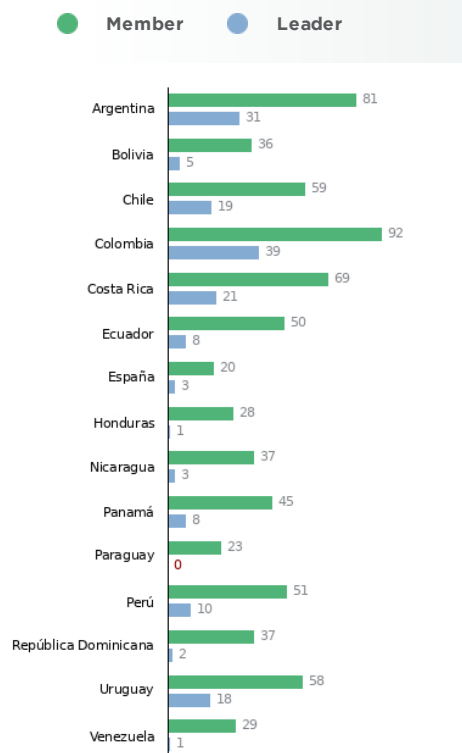
FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (LAC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars. The Inter-American Development Bank (IDB) is its 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