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

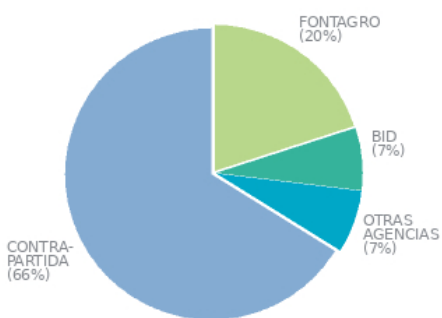**5**
Thesis

MAIN DONORS

PARTICIPATING ORGANIZATIONS

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.
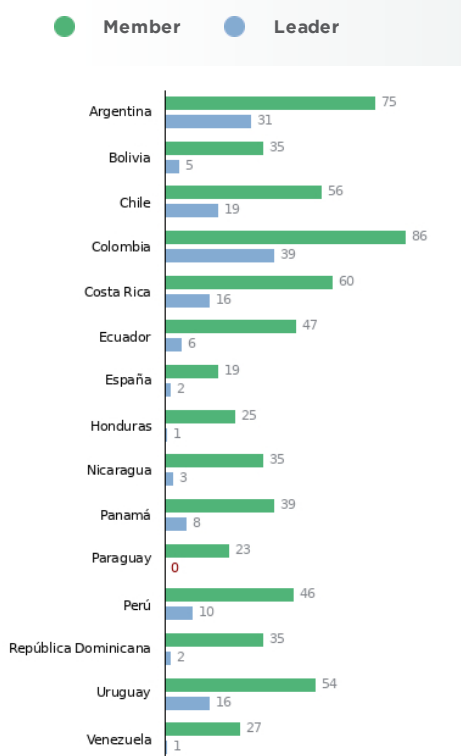
ORIGIN OF RESOURCES

- FONTAGRO (20%)
- BID (7%)
- OTRAS AGENCIAS (7%)
- CONTRA-PARTIDA (66%)

- ● **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

● **Member**   ● **Leader**

Country	Member	Leader
Argentina	75	31
Bolivia	35	5
Chile	56	19
Colombia	86	39
Costa Rica	60	16
Ecuador	47	6
España	19	2
Honduras	25	1
Nicaragua	35	3
Panamá	39	8
Paraguay	23	0
Perú	46	10
República Dominicana	35	2
Uruguay	54	16
Venezuela	27	1

FONTAGRO IN NUMBERS

193 Number of projects approved

141.9 MILLONES Approved total amount US$

9.8 MILLONES Contribution from other agencies

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

FONTAGRO