

# Silvopastoral systems as a strategy for adaptation and mitigation to climate change

COSTA RICA / NICARAGUA / PANAMA



Webstory



## The technological solution

Silvopastoral systems can be one of the best alternatives to recover degraded pastures, increase livestock productivity, improve the environment and build resilience to climate change.



## Description

The following strategies are recommended: increased meadow rest, fertilization, and weed control; association with legumes, silvopastoral system with legumes and diversified with forage banks.



## Results

- 85 to 115 trees per hectare are recommended in paddocks.
- Periodic evaluations of pasture conditions must be carried out at least 2 times in each season (dry and rainy), for at least 3 continuous years.

50

Farms under study by country

10

Thesis

10

Papers

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.

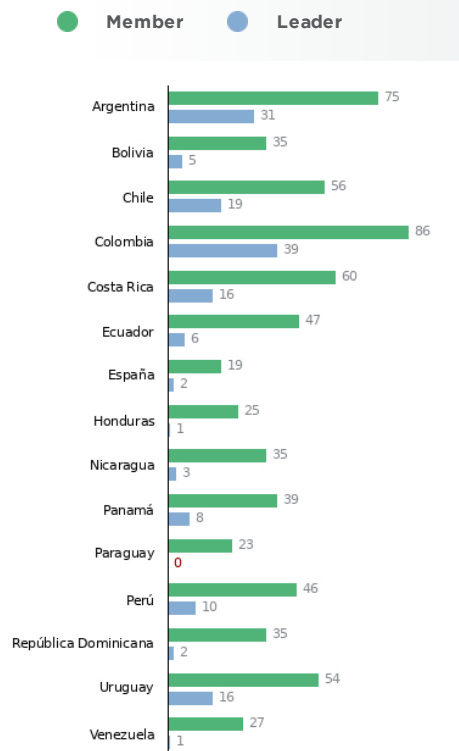


ORIGIN OF RESOURCES



- **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 |          |