



Innovation for pasture management

URUGUAY / ARGENTINA / COSTA RICA / UNITED STATES



i Webstory



The technological solution

Implement a resident service in the cloud, user friendly, and accessible via web with a browser or through an app for computers and smartphones, which with the use of drones and simulation models allow optimizing the management of paddocks and increasing forage production.



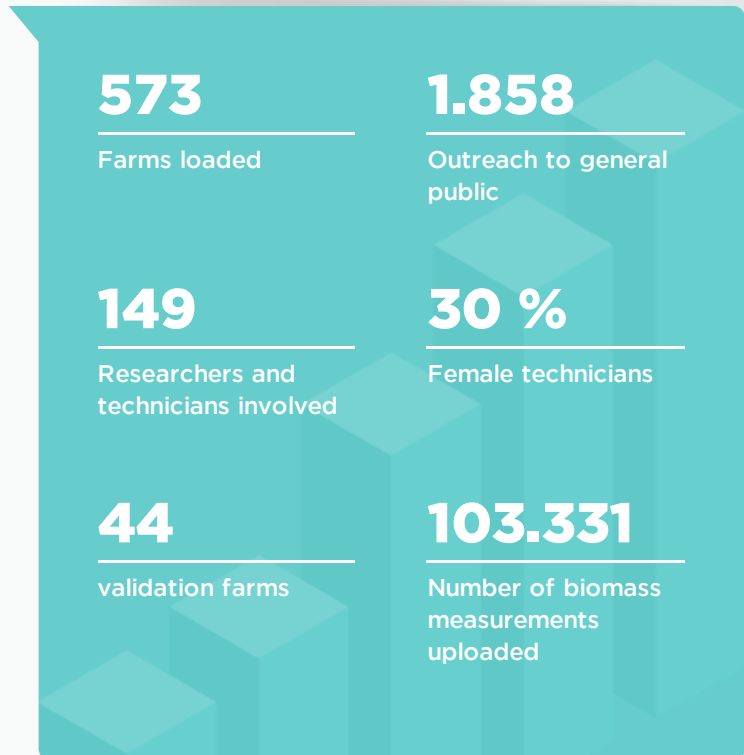
Description

Three countries formed an innovation platform in LAC; together they developed a software to simplify and optimize the producer's decision making in relation to the grazing platform. Also, a device for remote measurement of available biomass (using drones), was developed.



Results

1. A regional platform was formed by three Latin American and Caribbean countries, with the objective of improving self-sufficiency and sustainability on family livestock and dairy farms.
2. A pastoral network was established among the participating countries, promoting the continuous exchange of experiences among technicians (facilitators) and researchers.
3. Developed and validated a prototype AgTech solution, a web-based tool designed to increase the levels of forage produced, either for direct consumption or for the production of reserves.
4. Validation of the web tool was completed through the experience of end users, which allowed the tool to be adjusted to their real needs and improved its usability, thus facilitating its adoption and optimization in production systems.
5. An API was generated that allows scaling the tool on other platforms, facilitating its integration, expansion and long-term sustainability, and ensuring its adaptability to different contexts and needs.
6. Activities were carried out to calibrate the use of drones for remote biomass estimation for species representative of the three countries.



MAIN DONORS



PARTICIPATING ORGANIZATIONS

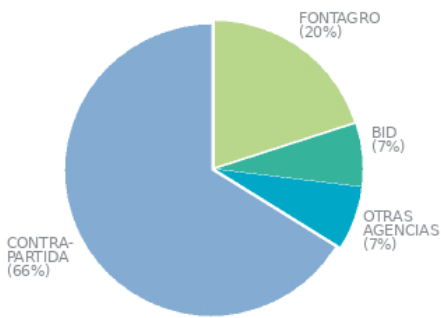


ABOUT FONTAGRO

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.

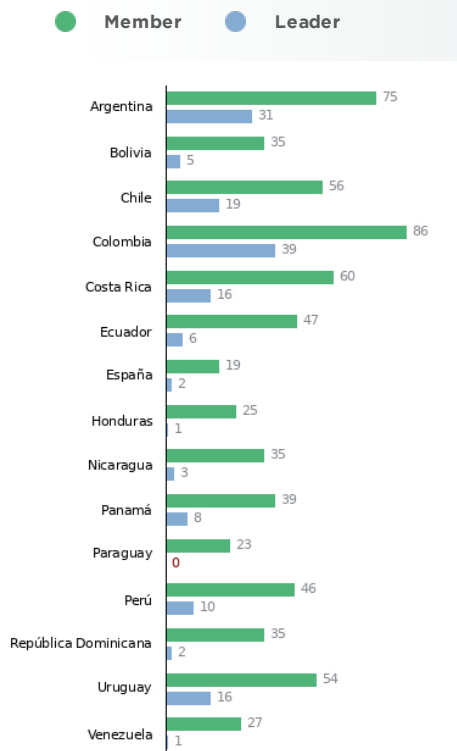


ORIGIN OF RESOURCES



- 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