



AgTech tool, innovating grassland management in Latin America

A regional platform has been created between Uruguay, Argentina and Costa Rica to adapt AgTech technology to our conditions. It is expected to increase grass production on family cattle and dairy farms in the region by at least 30%.



Develop and validate easily adoptable technology for conditions in LAC to improve the efficiency of forage resources on family farms.

The implemented initiative

Dairy and meat production in Latin America and the Caribbean is mainly pasture-based, highlighting the importance of efficient production systems in terms of pasture harvesting. The main objective of the regional platform formed by Uruguay, Argentina and Costa Rica is to increase forage harvest levels by at least 30% on

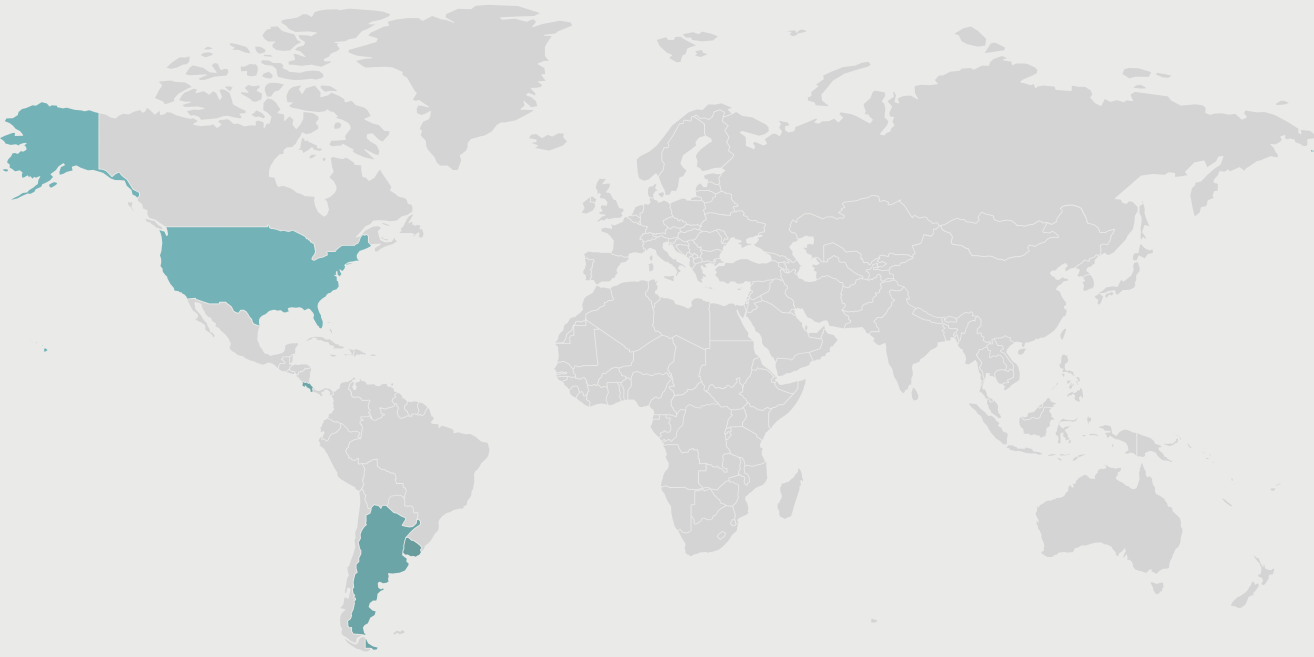
family farms. To achieve these objectives, a Decision Support System (DSS) will be developed to simplify and optimize grazing management decisions. There are 200 direct beneficiaries, including technicians and producers, with the expectation of reaching at least 4,000 farmer families.

AgTech solution launched in Latin America

The technological solution

The AgTech solution has very positive impacts on production systems, including improving the profitability of production systems, sustainability and levels of self-sufficiency. Implementing this technology in family livestock and dairy farms in Latin America and the Caribbean is of great interest since these systems require pasture. Pasture production is very sensitive to climatic changes; the world is facing very changing climatic scenarios, therefore an increase in pasture

production will improve the productivity and quality of life of family farmers in the region. This in turn translates into increased natural habitats for animals, reduced input use, increased nutrient recycling and increased carbon sequestration of pastures. The DSS tool, available in the cloud and which provides real-time information on the sequence of paddocks to be grazed, the area and what is available for stocking, will be developed with a "user design experience" approach.



Uruguay / Argentina / Costa Rica / United States

Coordination, validation and partial results of AgTech technology development.



MÁS INFO



Results

- *A regional platform of three countries in the Latin American and Caribbean region was formed to improve self-sufficiency and sustainability on family livestock and dairy farms.
- *A pastoral network is formed between the three countries that make up the network, for the continuous exchange of experiences between technicians (facilitators) and researchers.
- * A prototype AgTech solution is developed, a web tool

- that seeks to increase the levels of forage produced (30%) for consumption or production of reserves.
- *The validation stage of the web tool has been completed, through user experience. Today the project is in the front-end design stage of the web tool for commercial use.
- *Activities are being carried out in Argentina and Costa Rica to calibrate the use of drones for remote biomass estimation.

Main donors



Participating Organizations

