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 at least by 30% grass production on family cattle and dairy farms in the region.

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

The implemented initiative

Milk and meat production in Latin America and the Caribbean is mainly pasture-based, so it is extremely important to have 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 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.

The AgTech solution launched in Latin America

The AgTech solution has very positive impacts on production systems, including improving the profitability of production systems, sustainability and the level of self-sufficiency. Implementing this technology in family livestock and dairy farms in Latin America and the Caribbean is of great interest since the food base of these systems is pastoral. Pasture production is very sensitive to climatic changes; nowadays we are facing very changing climatic scenarios, therefore the increase in pasture production will give family farmers in the region an increase in productivity and quality of life. This in turn translates into increased natural habitats for animals, reduced input use, increased nutrient recycling and increased carbon sequestration of pastures. Develop the SSD tool available in the cloud, which provides real-time information on the sequence of paddocks to be grazed, the area and what is available for stocking, with a “user design experience” approach.

Articulation, validation and partial results of AgTech technology development.

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