



Innovation platform for family livestock systems

Innovation platform for natural pasture grazing and the sustainability of livestock systems



Uruguay /Argentina

Improve the management of pasture stocking rate in order to couple increases in the physical-economic income and environmental performance.

Initiative

It was proposed to form an interdisciplinary and inter-institutional innovation platform that will work based on 4 components: 1) Experimental and farm quantification of changes in the grazing pattern, energy balance, functional types of plants and functional diversity of plots and commercial properties subject to changes in the supply of forage. 2) Use

of mathematical models to study the effect of changes in the supply of forage on the processes that control primary and secondary production, efficiency of energy use and diversity of the natural field in family ranchers. 3) Application of a co-innovation approach. 4) Management of the innovation platform.

Regional Platform

Tech solution

A new conceptual model of natural pasture management at the farm and landscape scale based on an interdisciplinary and inter-institutional innovation platform to model the

relationships between grazing intensity, secondary production, economic results, biodiversity and environmental performance of family farmers in Uruguay and Argentina.

MORE INFO



Impacts and Results

Identification of management models of grazing intensity: Non-manager, Manager and Temporal Space Manager.
Definition and execution of protocols to evaluate the relationship between grazing intensity and environmental

variables.
Modeling of the relationship between grazing intensity with forage production and selectivity.
Validation of the grazing intensity management models at the plot scale on the farms.



305
Trained farmers

66500 ha
Area Intervened