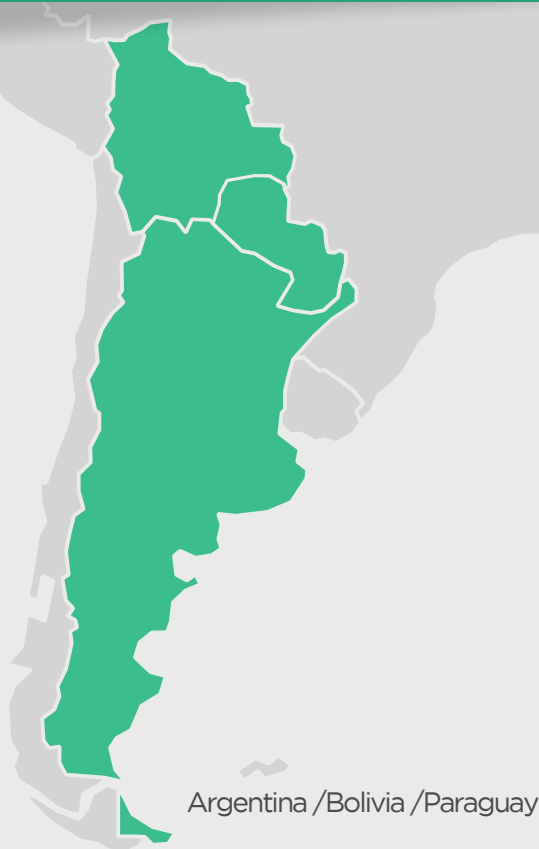


Technological innovation to transform family livestock farming in the South American Chaco.

Productivity was increased and environmental impact reduced in family livestock systems in the region through the adoption of technology supported by training and technical assistance.





3
Characterisation of livestock systems and possible technologies for incorporation



86
Livestock producer groups



2532
Trained producers



851
Trained women



90
Pilot sites



385
SMEs receive technical assistance



152
Public officers trained



10
Institutions with strengthened capacities



Technology innovations

Initiative

This project seeks to improve the efficiency, stability and resilience of family beef production systems. Specifically:

- 1) Productive systems were surveyed in each of the agroecological zones and alternative improved practices were proposed.
- 2) A network of pilot sites in farmers' fields was assembled, to adapt,

evaluate and demonstrate proposed technologies to ranchers.

- 3) A technical assistance and training plan for family beef production innovation is being implemented.
- 4) A system for the registration and monitoring of cattle farms is being developed, with evaluation of technological uptake and the effects on the productive system.

Tools to address the problems

Tech solution

With a participatory approach, extension agents and producers agreed the critical technologies to be implemented in each pilot site, which were grouped into 4 types:

- a) fodder and food: pasture implantation, preparation of fodder reserves, stock adjustment according to fodder supply and animal requirements, and improvement of grazing systems;
- b) Infrastructure and business management: field divisions, water

collection and distribution systems; registration and monitoring of administrative performance indicators.

- c) Animal health: Adaptation of the health plan to the system and the area, control of parasitic and infectious diseases and bull evaluation.
- d) Herd management: monitoring of animal body condition, elimination of unproductive categories, supplementation of calves and heifers, seasonal breeding, pregnancy diagnosis and early weaning.

IMPROVED WEANING RATE AT THE END OF THE PROJECT

CAPACITACIÓN 2022/23						
	TIPO DE ACTIVIDAD	FORRAJES Y ALIMENTACION	INFRA ESTRUCTURA	SANIDAD	MANEJO DEL RODEO	TOTAL
	TECNOLOGÍA SITIO PILOTO	30	3	6	6	45
	Nº CAPACITACIONES	62	9	11	11	93
	Nº PARTICIPANTES	1.389	89	124	346	1.948
	TECNOLOGÍA SITIO PILOTO	20	5	-	5	30
	Nº CAPACITACIONES	14	1	1	5	21
	Nº PARTICIPANTES	303	38	42	60	443
	TECNOLOGÍA SITIO PILOTO	4	-	11	-	15
	Nº CAPACITACIONES	2	-	7	1	10
	Nº PARTICIPANTES	49	16	64	12	141

MORE INFO



Impacts and Results

Updated characterization of family bovine systems in the Chaco region and of the technological alternatives incorporated during the project.

Installed network of 90 pilot sites adopting technological improvements, serving as experimental, demonstrative, and training units with future prospects. 124 training sessions were conducted for 2,532 producers, 152 extension agents, and advisors in bovine production in the Chaco. A virtual livestock innovation course and a herd management App will be made available, scalable to other producers and technicians.

Participating producers, on average, increased their initial calf weaning percentage from 54.5% to 61.9% (a 12% increase) even in a challenging climatic context, and raised their meat production by at least 10.06%.

