

Multipurpose Silvopastoral Systems (SSPM) as a sustainable strategy to improve family livestock in Peru and Colombia

COLOMBIA, PERU



Webstory



Technological solution

Multipurpose silvopastoral systems (SSPM) will be established on selected farms, accompanied by a training strategy that includes publications, field schools and the consolidation of a Regional Innovation Platform for technological dissemination around SSPM and sustainable livestock



Technological description

The project proposes to improve family livestock in Peru and Colombia through the implementation and monitoring of Multipurpose Silvopastoral Systems. It is expected to contribute to reducing the gap between bovine production and adaptation to climate variability through the economic valuation of ecosystem services.



Impacts and results

- 40 family farms between Peru and Colombia with multipurpose silvopastoral systems implemented on their farms to improve the sustainability and productivity of the production system.
- 100 of said family farms trained in SSPM technology, including the stages of diagnosis, planning, planting and use of the system (at least 450 producers, academics, technicians trained virtually and/or in person).
- A Regional Innovation Platform as a technology dissemination strategy that facilitates the families of small producers, technicians, academics, unions and regional institutions to make decisions regarding silvopastoral systems and sustainable livestock.



38 ha

Area established in SSPM



+ 24.8 %

In forage supply per hectare



+ 21.1 %

Milk increase per animal per day



2 páginas web

Digital innovation platforms



2 manuales

Technical manuals



- 70 %

Reduction of fertilizers



50.6 Mg CO₂e

Methane emission potential (ha/year)



- 62.4 %

Reduction of SSP establishment costs