Innovate and intensify to adapt and grow

Innovating in the integral improvement of systems through sustainable intensification, increasing the adaptive capacity and resilience to climate change of family livestock systems in Argentina and Peru.

Argentina / Peru

15 Communities of practice participating
100 Livestock farms demos participating in the project
68 Training provided
19600 Farmers trained to adapt their livestock systems to climate change

### Innovations in family livestock systems in Argentina and Peru

**The technological solution**

Family farmers in Argentina and Peru implement technological innovations in their livestock farms, such as: protective sheds; water collection, storage and transportation for family and animal consumption; improved irrigation systems; cultivation of forage species as a protein and/or energy bank; improvements in animal nutrition through technologies such as early weaning and strategic supplementation of pregnant females; control of predators and implementation of a health plan. They are also linked to local markets through fairs and/or associative sales. All these innovations allow family farmers to adapt their systems to climate change, improve production indicators and sell their products with better quality and in a fairly way.

### Results

More than 16,000 farmers have been trained in management practices for adaptation to climate change through different means of communication. In Argentina, in the most affected area of influence, stage production has more than doubled thanks to trials and training sessions. In Peru, the incorporation of improved pastures increased forage production in the demonstration fields by more than 20%, with a similar impact on milk production. The presence of protection dogs has reduced predation by more than 50% on farms where this method of predation control is used. The project favored the entry of producers into the formal sale of more than 72,000 kg of wool and the producers doubled their income. In fields where drip irrigation was applied, vegetable production increased by 50%.

### The implemented initiative

With FONTAGRO funding and its own resources, INTA and Universidad Agraria La Molina are promoting technological innovations in four regions of Argentina and Peru. The objective is to adapt family livestock systems to climate change and link their production, through organization, to short marketing circuits, thus improving their livelihoods.

### Publications

Direct and indirect effects of climate and vegetation on sheep production across Patagonian rangelands (Argentina)

MÁS INFO