

Latin America and the Caribbean move towards climate-smart dairy

This project will develop digital tools to implement good practices in dairy establishments, comprising productive aspects, animal welfare, and people’s wellbeing, to adapt to and mitigate climate change.





73
Practices to mitigate climate change



48
Practices for adaptation to climate change



2372
Persons trained



906
Women trained



11
Scientific articles produced



31
Workshops held



1
Consensus document about good practices



1
Doctoral program student



Three aspects for competitiveness: education, technology and research.

Initiative

A private-public platform made up of public and private entities, farmer associations, and sectoral and governmental technical advisers. It has the purpose of building new capacities for the Latin America and the Caribbean (LAC) dairy sector to implement sustainable management

processes to achieve Climate-Smart Dairy Farms (CSDF), build a public-private network, develop and validate digital tools in the field, and to train technicians, advisers, farmers, etc. in good practices for CSDF by using the developed tools.

AgTech for the sustainability of dairy farms.

Tech solution

An application for cell phones to facilitate good practices in dairy establishments. These practices are related to pastures and crops, milking hygiene, animal health, environment, animal reproduction, socioeconomic management, feeding, animal welfare and inclement weather. Through this

tool, dairy farmers can get information and improve their productivity, milk quality, adaptation and mitigation to climate change and move towards a CSDF. At the same time, an interactive e-learning course will be developed to train personnel and technicians of the dairy value chain about CSDF.

LECHECK: an application for climate-smart dairy



Herramientas de libre acceso
App de uso Off-line

La web:







App Store **Play Store**



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Impacts and Results

The working platform was built and the project objectives were internalized. Consensus was reached on the base document containing the good practices (GP), which were organized in the following areas: pastures and crops, milking hygiene, animal health, environment, animal reproduction, socio-economic management, feeding, animal welfare, and climatic conditions. LECHECK.APP was developed. Based on the consensus document, it is an application that helps farmers and technicians

implement GP on dairy farms. The aim of the app is to improve farm productivity, ensure milk quality, mitigate greenhouse gas production, and adapt to climate change. The app was validated for one year and has 526 users across 508 farms, entailing 79,756 GP which were surveyed in 12 countries. Excellent results were obtained in terms of usability and a list of necessary improvements was agreed upon, based on users’ recommendations.

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