Fermentation and drying: essential elements in total cocoa quality

COSTA RICA / PANAMA

















The technological solution

In cocoa producing regions, productivity and quality must go hand in hand, due not only to market demands and but also to producers' expectations of improving their living conditions. The design of smallscale solar dryers that allow fermenting and drying cocoa in remote communities, fulfills a felt need.



Description

The Caribbean region in Costa Rica and Panama is characterized by its vulnerability to extreme weather events, high levels of poverty and limited opportunities. It is in this context where the project, aimed at strengthening quality and productivity of cocoa, in a framework of analysis and participatory work with all relevant actors, takes place.



Results

- Solar drying pilot systems were built with photovoltaic panels to minimize reported losses of cacao of up to 50%. Dryers can process up to 200 kg / week
- A genomic analysis of last generation allowed to identify more efficient organisms for fermentation
- Workshops were organized for participatory risk analysis in the face of possible extreme weather events
- The project generated tasting and good practice guides and provided training to recognize sensory profiles and differentiate cocoa qualities

prototypes of solar

60

families directly benefited

3000

to generated

₽FUNDAUNA





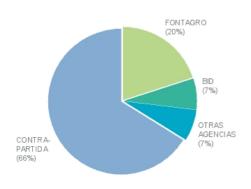


ABOUT FONTAGRO

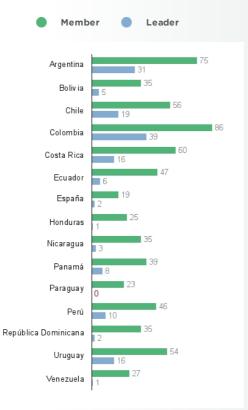
FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which is its legal representative.



PARTICIPATION AND ROLE IN CONSORTIUMS SINCE 1998



- Counterpart contribution 93.177.555
- **FONTAGRO** 28.989.468
- IDB 9.922.700
- Other agencies 9.809.078



Number of projects 193 approved

amount US\$

9.8

other agencies

15

New technologies for ALC

8

Technology of global relevance

MEMBER COUNTRIES

