# Water management in banana growing areas in Nicaragua and **Dominican Republic**

NICARAGUA / COSTA RICA / DOMINICAN REPUBLIC / FRANCE

















## The technological solution

Territorial dialogue platforms that use the ComMod (Companion Modeling) program and role play to process data and develop models and diagnoses on access and use of water and the trade-offs between water resources, crops, climate and populations under different climatic scenarios, linking local social and ecological systems.



### **Description**

Participatory process in banana communities aimed at analyzing conflicts of use and water management and adaptation to climate change. Conducted by UNAN-León Nicaragua, IDIAF-Dominican Republic, farmers, Bioversity International, the CGIAR Humidtropics program and the French consultancy Lisode (Lien Social et Décision).



#### Results

- Participants (249) in the workshops discussed the relationship of agriculture with other water users and 97% understood the mutual needs, which facilitated decision making.
- 109 innovations were identified and 29 were included in work plans to improve knowledge and raise public awareness about water problems, formalize access and use rules and sanctions, and innovate agricultural practices to reduce pressure on the resource.
- The impacts will respond to the dissemination of territorial dialogue platforms.

**378** 

109

proposals identified

territorial dialogue platforms installed

in work plans















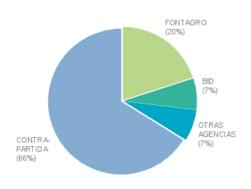


#### **ABOUT FONTAGRO**

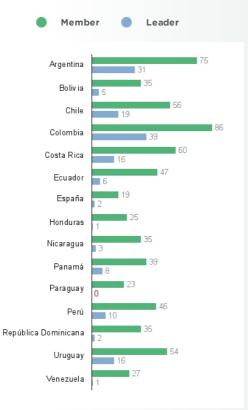
FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which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

