The technological solution

Technological solution: °AHoRa is a web and mobile application for the adaptation and mitigation of the effects of climate change, enabling producers to achieve higher yields, crop quality and profitability.

Description

°AHoRa is based on a calculation platform that takes data from nearby weather stations and converts them into indicators of the productive potential of the musaceae crop (leaf emission rate, flowering to harvest period, potential bunch weight, nutrient demand, and water requirements).

Results

- Formulation of the calculation platform.
- Five equations integrating agro-climatic and ecophysiological information of the crop.
- 3 production diagnostics and methods for monitoring the behavior of the crop.
- Study of the use of similar applications on the market.
- A preliminary business plan for the sustainability of the application.
- 2 Demo versions of the App (1.0 and 2.0)
- An updated business plan
- 15 events, 2 virtual and 13 training workshops
- 494 people trained
- 4 video tutorials

<table>
<thead>
<tr>
<th>Producers surveyed</th>
<th>Workshops</th>
<th>Trained people</th>
<th>Demo App</th>
<th>Base line</th>
<th>Researchers</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>15</td>
<td>494</td>
<td>2</td>
<td>3</td>
<td>24</td>
</tr>
</tbody>
</table>
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.

ORIGIN OF RESOURCES

- Counterpart contribution: 84,871,419
- FONTAGRO: 27,411,468
- IDB: 9,922,700
- Other agencies: 8,479,078

PARTICIPATION AND ROLE IN CONSORTIUMS SINCE 1998

- Member: 178
- Leader: 178

FONTAGRO IN NUMBERS

- Number of projects approved: 178
- Approved total amount US$: 130.7 MILLONES
- Contribution from other agencies: 8.5 MILLONES
- Benefited countries: 63
- Generated technologies: 63
- New technologies for ALC: 15
- Technology of global relevance: 8

MEMBER COUNTRIES

- Argentina
- Bolivia
- Chile
- Colombia
- Costa Rica
- Dominican Republic
- Ecuador
- Nicaragua
- Panama
- Paraguay
- Peru
- Spain
- Uruguay
- Venezuela