

DIGITALIZATION OF SMALL-SCALE AGRICULTURE



Production application

- Honduras, Nicaragua and Colombia
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About Zamorano University (Pan-American Agricultural School, Inc.)

Non-profit organization, the main campus of which is located 30 minutes away from Tegucigalpa, Honduras. Zamorano has undertaken multiple extension projects at the regional level and for more than 70 years has offered university-level training to leaders in the agriculture sector.

Technology/Application

Practical, encapsulated soil moisture sensor that operates without the need for a remote connection and is accessible to medium- and small-scale producers.

Features of the inclusive technology solution

Low cost, robust and user-friendly soil moisture sensor.	Provides information to facilitate the administration of tasks related to planting and agronomic management.	Three technological solution prototypes.	Charging autonomy of up to 6 months in the field.

More information: <https://www.fontagro.org/new/proyectos/digitalization-small-scale/es>

Results and scope

1,500
potential direct beneficiaries
including producers, technical officers, students, research and field workers.

Estimated direct impact on at least
70,000
producers

Countries covered
Honduras
Nicaragua
Colombia



Important information

- **Thirty (30) devices** installed for use in cultivating multiple crops, including coffee, sugar cane and vegetables.
- More than **111 people trained**.
- **Ninety (90) producers** are receiving direct technical assistance.

Inclusive features

- Needs-based technology design that is intuitive and user-friendly.
- Associativity.
- Functions without an internet connection.
- Participatory technology design.
- Pilot studies and support.

More information

<https://includas.gfar.net/sites/default/files/2022-07/Experiencias%20seleccionadas.pdf#page=30>

Social media

<https://www.instagram.com/eapzamorano/>

<https://twitter.com/EAPZamorano>

<https://www.linkedin.com/school/eap-zamorano/>

<https://www.youtube.com/channel/UCNQrRC-pseFQN6BtZkYG0zQ>