

# Colombia and the Caribbean: A Digital Pathway to Agricultural Resilience



This is a South-South collaboration that transfers digital agriculture innovations developed in Colombia to the Caribbean. Its goal is to reduce crop losses, improve farm management, and strengthen climate resilience through technologies that are accessible to farmers and extension agents.

## ► What is it for?

To enhance knowledge capacities on climate, soil, and crop management, aiming to reduce agricultural losses and support adaptation and resilience to climate change in Caribbean countries.

## ► Key actions:

- 1** Strengthen agricultural extension services with real-time data and digital tools.
- 2** Boost crop productivity and resilience while reducing climate risks.
- 3** Promote cooperation and knowledge exchange between Colombia and the Caribbean.
- 4** Advance the use of AI in agriculture to enable faster, more effective decision-making.

## ► What has been done?

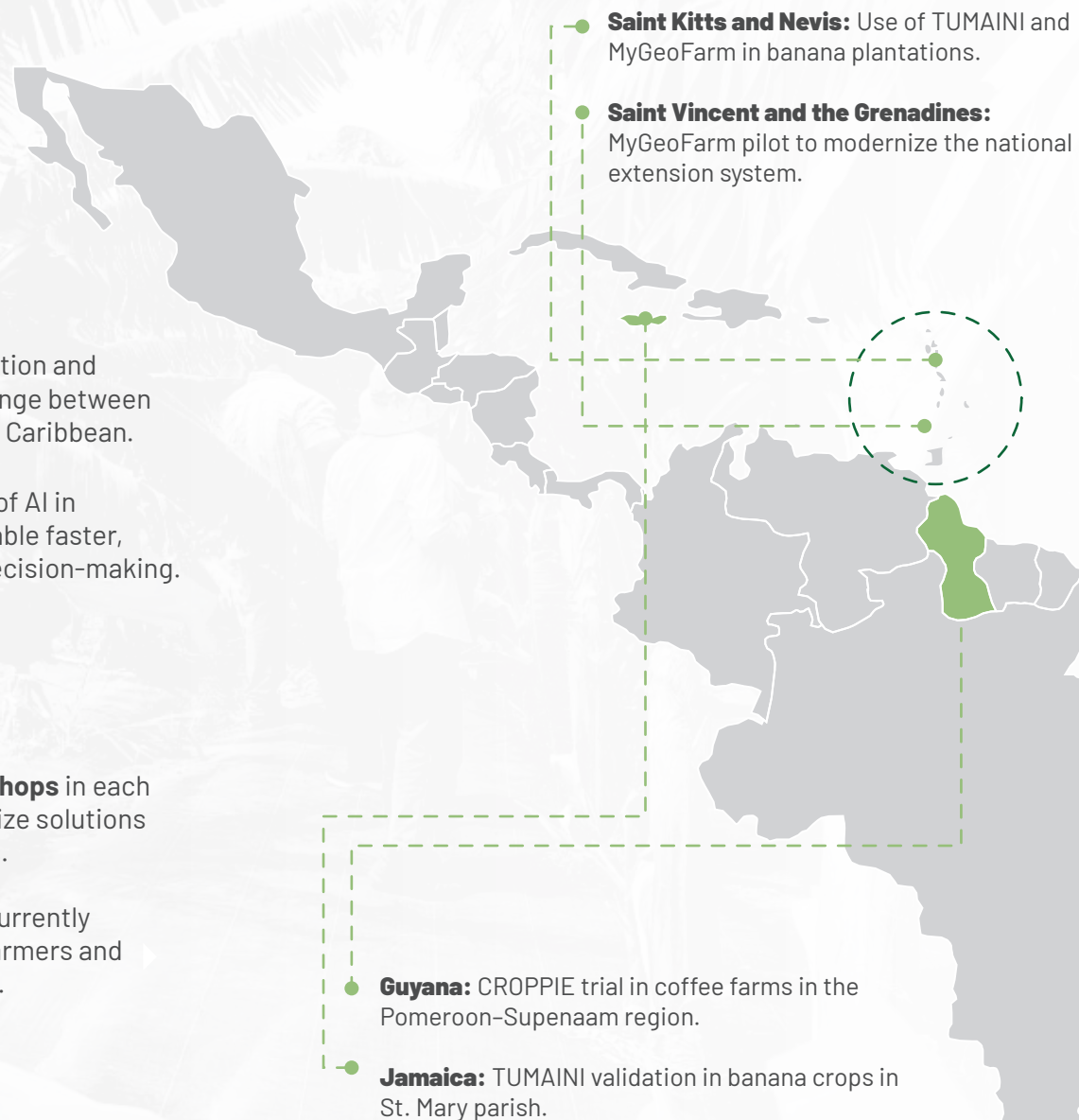
A four-stage digital roadmap:

-  **Rapid assessments** to evaluate the digital status of the agricultural sector.
-  **Co-design workshops** in each country to prioritize solutions and pilot projects.
-  **Innovation Forums** to present Colombian AI tools.
-  **On-farm pilots**, currently underway, with farmers and extension agents.



**+100**

technicians and extension agents trained across the four countries.





## ▶ What's next?

- 1** Continue field testing and training of facilitators.
- 2** Gather feedback from farmers and technicians to refine the tools.
- 3** Plan the next implementation phase based on lessons from the pilots.
- 4** Strengthen partnerships to ensure sustainability and local ownership.

## ▶ Strategic alignment:

This project is aligned with Colombia's National Strategy for International Cooperation 2023–2026 and CARDI 2024–2028, prioritizing:



Climate resilience.



Institutional strengthening.



Regional knowledge exchange (South–South Cooperation).



## Applications being tested:



### TUMAINI:

AI for early detection of pests and diseases in banana crops.

# CROPPIE

### CROPPIE:

Estimates coffee yields from photos taken on a mobile phone, cutting evaluation time by up to 50%.



### MyGeoFarm:

A collaborative platform to collect geo-referenced data and support planting and extension decisions.



This app is very useful, very simple, very easy to understand.

Extension agent from NAREI, Guyana, on CROPPIE.

