

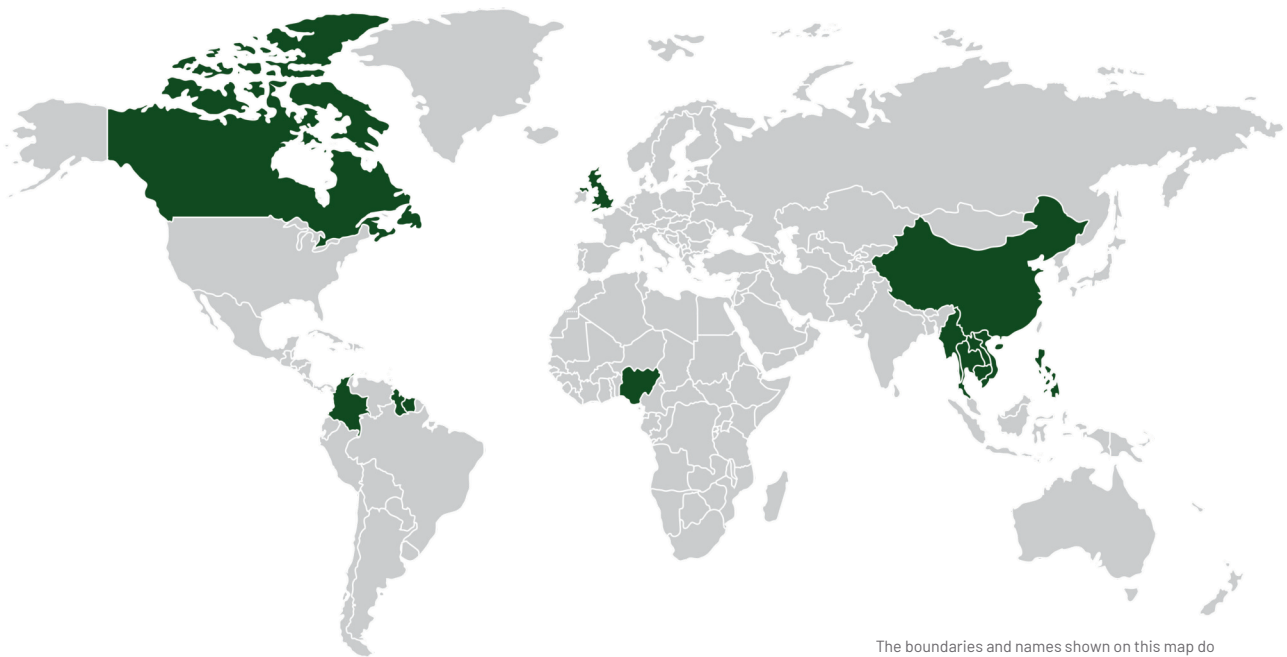
## Goal .....

The Cassava Genetics Tissue Culture Lab safeguards more than 3,600 cassava genotypes, corresponding to over 25 families developed by the Cassava Breeding Program, which represent more than 22 traits of importance for Cassava breeding. Additionally, it conserves wild genotypes and materials from the germplasm bank collection that are used as parents to generate new breeding families.



## Where we work .....

We conserve and provide genotypes and hybrids obtained from crosses between promising materials with important traits. These materials are distributed to other countries upon request in Latin America and the Caribbean, Africa, and Asia.



The boundaries and names shown on this map do not imply official endorsement or acceptance by the Alliance of Bioversity International and CIAT.

## How we do it .....



### Establishment of genotypes

The materials coming from the field are established in the greenhouse.



### Multiplication and conservation

In vitro propagation and conservation. Conserved materials can last up to one year before renewal.



### Cleaning by thermotherapy

The clean material undergoes indexing tests (molecular method) to verify that it is free from viruses and phytoplasmas.



### Hardening

Requested materials are sown under controlled conditions for one month.



### Shipping to other countries

Distribution: Requested materials are shipped under confidentiality agreements and with the required phytosanitary permits.

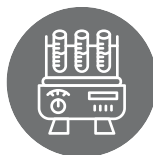
# The impact

- The Tissue Culture Laboratory preserves cassava plants for long-term storage and makes them available for distribution.
- Our germplasm collection serves as a repository of biodiversity, supporting breeders and researchers by providing material for the development of diverse research projects.
- Annual maintenance of the different families is carried out to meet the objectives of the Cassava Improvement Program.
- Through thermotherapy, meristem culture, and subsequent indexing, we ensure the distribution of clean material to other countries.

# Technologies



Platform for the inventory of genotypes and laboratory processes



Automatic media dispenser



Autoclave



Rooms for in vitro plant growth and conservation under specific conditions



Incubators with precise environmental conditions



Barcode and digital labeling for greenhouses and laboratories



Laminar flow chambers



# Cassava Breeding Program Major Traits



# Our Partnerships



To know more about the program, visit us:



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