

Goal

The CSS allows the Cassava Breeding Program to move and promotes uses of cassava germplasm (outstanding land races and breeding lines) to end user farmers, PPP, NGOs, NARs, schools' projects among others. Technology transfer allows us to integrate tunnel system for rapid macro propagation low costs on different regions (Latam, Asia and Africa) and partnerships.

Basis research on cryopreservation allowed adjust of DV technique on cassava to consider use on long-term storage and use this technique for cleaning process on cassava.

We apply our experiences and knowledge on cell culture and propagation in others crops through technical partnerships.

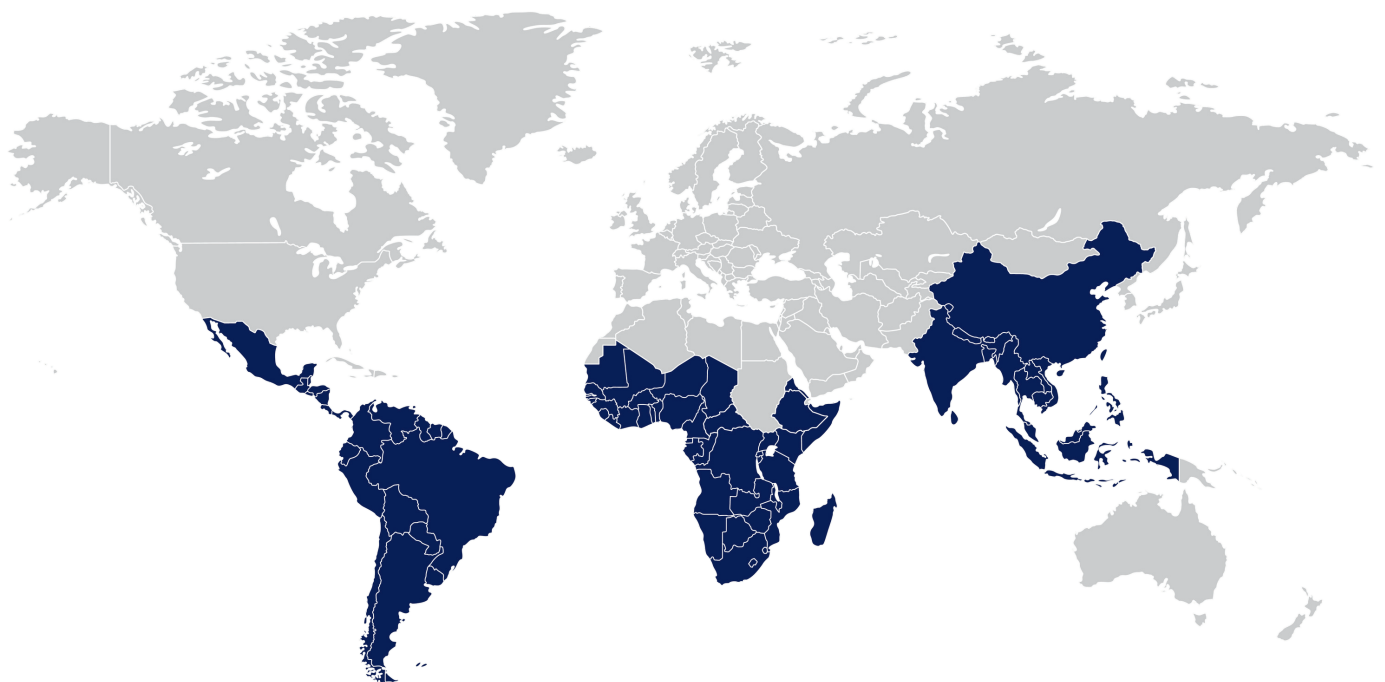


Where we work

Colombia: Agrosavia and Ingredion (Cassava).

Asia: NAFRI (Cassava).

Africa: TARI & Prossiva (Cassava).



How we do it



Gathering basic information with partners to know the needs and requirements of each project.



Developing protocols in our facilities and then transferring partners to implement and adjust in their sites.



Propagate and provide planting material for lab or field transplant on partner sites.



Training program: In our facilities/lab or by implementation and train partners staff on their facilities.

The impact



In vitro propagation of waxy clones and production of clean cuttings for scaling up at partners facilities.



Implementation of a tunnels system in a big scale in Asian countries to promote clean seeds planting program and CMD resistant seeds program.



Support to Agrosavia with tunnels implementation to promote seed delivery to farmers.

Technologies



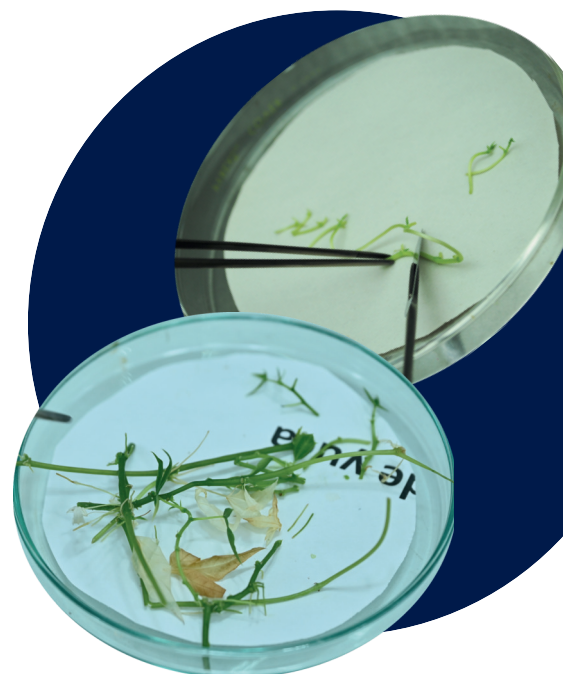
Bioreactors (RITA, Twin flask, Up-down): High scale propagation of a key clone.



Low-cost biotechnology: Allow small scale farmers and public school/universities to adapt TC technologies.



Tunnels system: For rapid propagation. To integrate rapid propagation with a diffusion/adoption seed program.



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