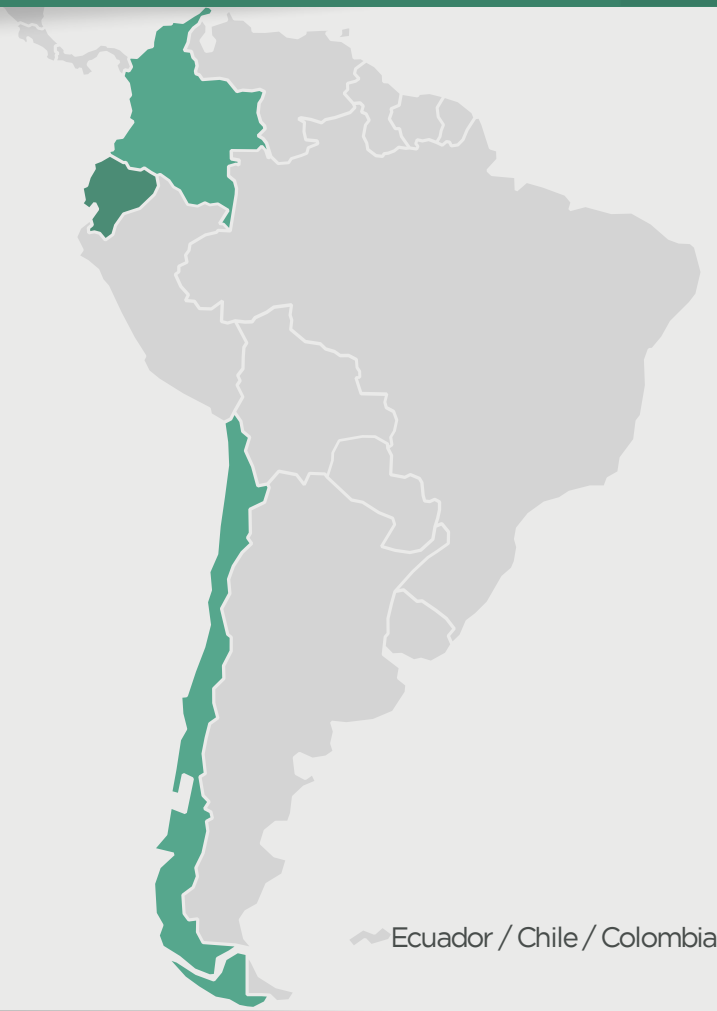


# Safe fruits for a healthy and secure life

The application of multifunctional metabolites produced by microorganisms and natural compounds, both GRAS (generally safe), will ensure that consumers have access safe and high-quality foods.



Ecuador / Chile / Colombia



Bio-protectors for postharvest preservation

## The implemented initiative

Improve the safety and nutritional quality of small fruits postharvest through the formulation and application of Multifunctional Bio-protectors (MBs). Three prototypes of MBs with antimicrobial-antifungal-antioxidant capacity will be selected in vitro. The aim is to increase safety by up to 50% and determine the effect on the

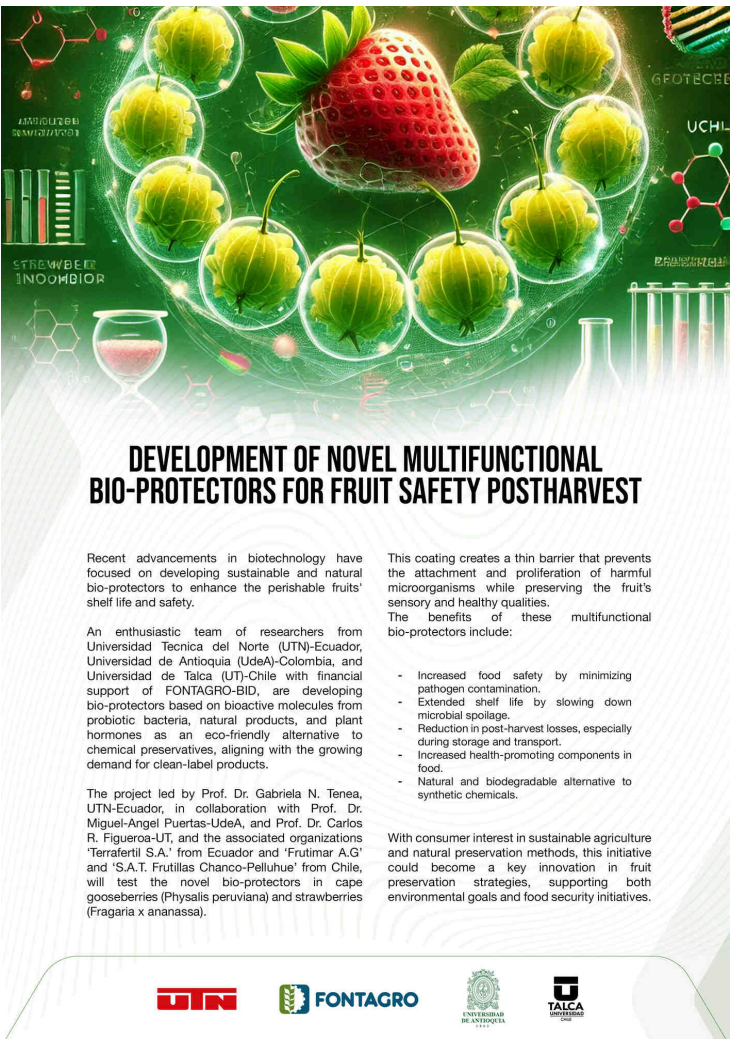
functional properties of fruits after the use of MBs. A technical-economic feasibility study of the generated MBs will be carried out. Finally, knowledge management, transfer and communication of the results obtained will be carried out.

Safe fruits for our market

## The technological solution

Multifunctional Bio-protectors (MBs) will become a commercial product to improve the food safety of postharvest fruits through natural conservation from farms to the consumer, and it will be a solution to

mitigate potential losses due to pathogen contamination and reduce the risk of diseases transmitted by the consumption of contaminated food.



MÁS INFO



## Results

Prototypes of Multifunctional Bio-protectors for postharvest conservation