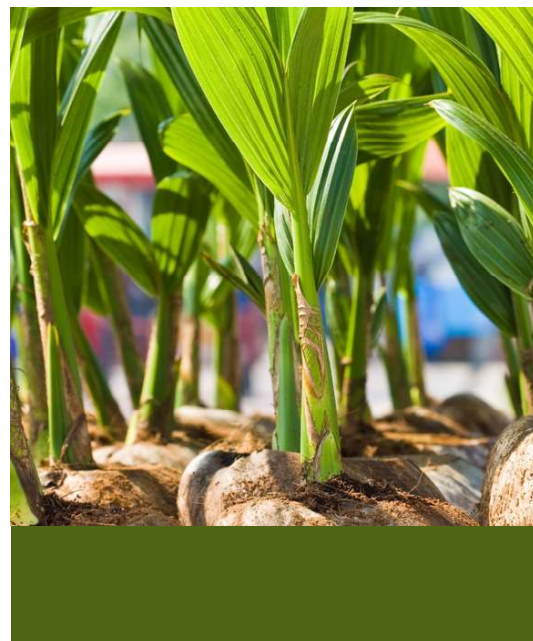


# COAXIM?

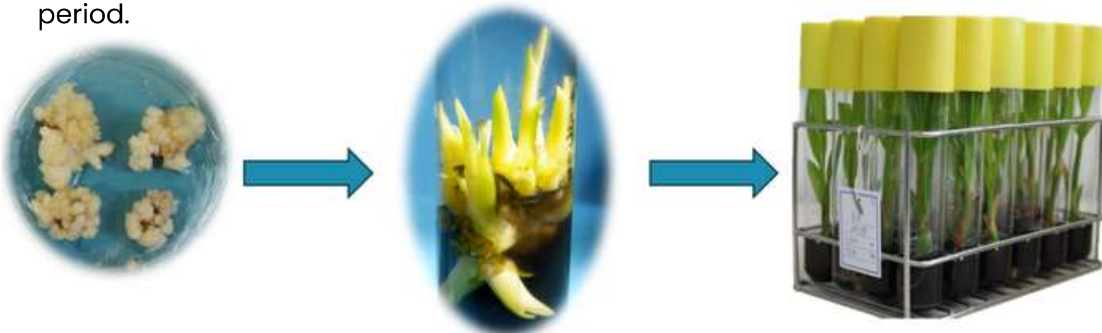
*IS THIS THE NEW AND INNOVATIVE PROTOCOL FOR MASS CLONAL PROPAGATION OF COCONUTS?*

COAXIM (COconut AXillary Meristems) is an innovative protocol which has as its main aim to accelerate coconut seedling production. Currently, coconut production is falling short of world demand, and as more of the world's coconut palm population reaches senility, are threatened by different pests, diseases and climate change, there will soon be a shortfall in coconut supply. The impact is two-fold, firstly it will have a profound economic impact on small holder farmers and secondly, declining coconut supply will affect the coconut product industry.



COAXIM has the potential to be the industry changer! Firstly, it provides a pathway for mass clonal propagation of coconut plants with identical characteristics to create the opportunity to propagate and plant solely elite trees, secondly, the propagation protocol is cost effective and user-friendly and can be applied in all tissue culture laboratories and finally it can be used to preserve coconut genetic resources.

To deliver these benefits to the industry, COAXIM has a three-step action plan, firstly we require an initial investment of USD750,000 which will enable us to refine the protocol, produce and screen 500 seedlings during a 3-to-5-year period.



Part 2 of the action plan is for COAXIM to concurrently provide the springboard for mass coconut seedling production to begin. This will entail an investment raising roadshow between Year 3 and 5. From year 7 onwards, COAXIM will supply an initial 3 million coconut seedlings. To deliver on this action plan and to provide sufficient coconut planting materials to meet worldwide demand, we require a coordinated and concerted effort to identify funding and to form regional partnerships.

Contributors: PANIS Bart\*1,2, WILMS Hannes 3,2, YU-CHUN Liao1, MOREIRA Suzana4

\* Correspondent : PANIS Bart,1 Alliance of Bioversity International and CIAT, Willem Decrolylaan 42, 3001 Leuven, Belgium : email b.panis@cgiar.org (2) Department of Biosystems, KU Leuven (University of Leuven), Heverlee, Belgium (3) INBO (Research Institute for Nature and Forest), Geraardsbergen , Belgium (4) Innova box Consulting, Independent Consultant