



# COCOBOARDS

Affordable material made of coconut husk and natural binding agents

## Research objectives

- Manufacturing of fibreboards made of coconut husk and bound with tannin adhesives
- Accessibility of an affordable and natural-based building material for the low income population
- Development of a manufacturing and business strategy in the context of social enterprises



## Expected scientific contributions

- Development of tailored formulations of tannin-based adhesives
- Tuning of the existing wood based panel manufacturing process to new raw materials and formulations
- Understanding and exploitation of the chemical-physical interaction between coconut husk and tannins

## Development relevance

- Upgrading of an agricultural residual into an higher added value product
- Independency of the construction sector from more expensive imported building material
- Provide job opportunities and increase incomes along the coconut value chain and the low income population

## Project organisation and team

