

Project title : KARIBALANZ - Assessment of carbon savings and co-benefits of the improved stove distribution programme

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Burkina Faso	21 400 €	Value chain and energy expertise		June 2026 - November 2026

Project's goals and results

Main goals

As part of a sustainability programme focused on carbon neutrality, private companies in Burkina Faso are relaunching a programme to distribute improved stoves to associated farmers organisations. The aim is now to ensure that 100% of women collectors are equipped with improved stoves by 2030, which means reaching a total of 37,000 units, whereas to date around 10,000 improved stoves have been distributed. Nitidæ has been commissioned to support these organisations in analysing the results of the previous programme, in particular by producing structured and up-to-date information, with the aim of better managing the current programme.

Specific objectives

SO1. Assess the environmental and social impacts resulting from the distribution of improved stoves in previous years

SO2. Update the Life Cycle Assessment (LCA) of shea butter

Beneficiaries

Results

Activities

A1. Quantify and compare the carbon savings achieved by the three types of improved stoves distributed, compared with the traditional three-stone stove, in the context of blanching shea nuts

A2. Quantify the reduction in wood consumption and estimate the area of forest preserved as a result of this reduction

A3. Measure the pollution generated by the stove to establish the direct impact on health and the environment (reduction in exposure to smoke)

A4. Estimate the contribution to women's empowerment and the effects on the local economy

A5. Update the Life Cycle Assessment (LCA) of shea butter, in particular by incorporating the new carbon performance figures determined in other activities, as well as the additional data sets made available by the companies