

Project title : ANAGROCLIM 2 - National implementation of the cashew nut crop forecasting model

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	800 000 €	Remote sensing and agroclimatic modelling expertise	CCA - Conseil Coton Anacarde	July 2023 - June 2027

Project's goals and results

Main goals

Implementing an agroclimatic crop forecasting model on a national scale for cashew nuts in Côte d'Ivoire

Specific objectives

OS1. Determine the surface area and typology of the national orchard (potential - tree)

OS2. Estimate the overall nut load (number and size of nuts to be harvested)

OS3. Develop and evaluate a forecasting model for national cashew nut production trends (expected increase or decrease in production compared with its interannual average)

Beneficiaries

Results

R1. Mapping the national orchard

R2. Development of an automatic cashew detection tool based on artificial intelligence

R3. Model for forecasting national production trends

R4. Transfer of skills to an agent of the Conseil du Coton et de l'Anacarde (CCA) with a doctoral thesis

Activities

A1. Inventories of the surface area and typology of 30,000 orchards spread throughout the production area

A2. Collection of nut growth data for modelling purposes

A3. Mapping of cashew orchards and spatial analysis

A4. Analysis of agroclimatic data and production forecasts