Project title : ANAGROCLIM - Study for the construction of a cashew production forecasts model in Ivory Coast

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	75 000 €	Cashew and modeling of plant growth expert	CCA - Conseil Coton Anacarde	June 2019 - June 2021

Project's goals and results

Main goals

In its objective of developing the cashew nut sector, the "Cotton and Cashew Council" of Côte d'Ivoire wants to develop tools to better control cashew production through a better knowledge of the yield components of the cashew, in particular through the understanding of its sensitivity to pedoclimatic factors

Specific objectives

Improve knowledge of the Ivorian orchard and develop a methodology for agroclimatic forecasting of cashew production in Côte d'Ivoire

Beneficiaries

Results

The exploitation of the crop forecasting agro-climatic model should allow:

- improve knowledge of the factors influencing the yield of cashew by a review of the literature and surveys / field observations
- improve understanding of current farming practices and the effects of innovations that affect production
- forecast the production of cashew nuts according to the meteorological conditions and the distribution and the age of the plantations (geo-referencing to be carried out)
- improve agricultural advice on the production of cashew nuts
- establish varietal research strategies adapted to local contexts
- study the effects of climate change on cashew production and propose adaptation strategies

Activities

- Document review and definition of the crop forecasting model adapted to the production of cashew nuts in Côte d'Ivoire
- Definition of the indicators monitored to feed the crop forecast model database
- Data collection and statistical analysis
- Exploitation of the crop forecast model database