Climate services for sustainable sugar cane production and use in Africa

General objective

Set up a climate information system at SUCAF-CI to demonstrate the interest of climate services in sugar cane cultivation.

Specific objective

Evaluate the access and use made by sugar cane growers (village plantations) and by SUCAF-CI (irrigated plantations) of weather forecasts and in general of traditional and scientific climate information (% access, % use, for what purposes? and how?).

Identify climate information needs and quantify the interest and value of current scientific weather forecasts for SUCAF-CI and sugar cane growers

Study the influence of climatic variations (rain, humidity, wind, sunshine, temperatures...) on the characteristics of sugar cane at different stages of its cultivation to identify and evaluate climatic variables of importance for SUCAF-CI.

Expected results

Contribution to the empowerment of planters: Planters (village plantations) will be better informed and will integrate climate information (developed by the project) as a decision-making tool for sustainable plantations.

Increase in the production of village plantations with beneficial effects on the environment

Increase in sugar cane quality leading to an increase in sugar production

Better respect for the environment and a contribution to the fight against climate change:

- decline in degraded land,

- better management of water resources

- better carbon sequestration