

Identification of socio-ecological factors and obstacles for agroforestry adoption-Côte d'Ivoire.

Geographic stakes of farmers innovations in cocoa agroforestry - Côte D'ivoire- Identification of factors and obstacles for agroforestry adoption

ABSTRACT

The main objective of the project is to understand whether new forms of agroforestry (maybe lighter densities and diversities of associated trees with a better management of the shade and canopy) could be a solution for the agro-ecological transition of cocoa cropping in Côte d'Ivoire. Underneath this main objective lie several side objectives :

- listing trees and cocoa tree interactions and compatibility from farmers knowledge
- gathering agroforestry innovations thanks to botanical inventories to understand whether cocoa farmers are adding trees in their cocoa farms
- understanding the factors and obstacles for agroforestry adoption including social, economic, political and legal extent to describe the drivers of this new socio-ecological system.
- experimenting the effects of three trees (identified by farmers as compatible with cocoa) on microclimate and more specifically their role during dry period.

We expect from this mobility to :

- be able to give advice to farmer on three trees : *Newbouldia laevis*, *Ficus capensis*, *Bombax buonopozense* .
- Completing lists that have already been set about trees and cocoa interactions based on farmers knowledge (up to 25 trees)
- Building a qualitative model of agroforestry adoption and innovation in order to facilitate any further project trying to encourage the development of agroforestry.
- Developing interdisciplinary methodologic tools to study an agroforestry socio-ecological system in a context of agro-ecological transition.
- Strengthen links with ivoirien researchers working in similar fields.

Year : 2015

Project number : 1502-303

Type of funding : AAP MOBILITE

Project type : AAP

Research units in the network :

Start date : 2017-01-01

End date : 2017-12-31

Flagship project : no

Project leader : François Ruf

Project leader's institution : CIRAD

Project leader's RU : INNOVATION

Budget allocated : 4900 €

Total budget allocated (including co-financing) : 4900 €

Funding : Labex