



CLIMCOFF

**CLIMATE ADAPTATION, CARBON FIXATION & SUSTAINABLE DEVELOPMENT BY
ROBUSTA COFFEE AGROFORESTRY IN AND AROUND YANGAMBI (DR CONGO)**

Acronym: Climcoff
Timespan: 7/2020- 6/2023
Funder: Flemish Climate Fund
Coordinator: Piet Stoffelen, Francesca Lanata
Type of project: Build coffee infrastructure
Objectives:

By installing coffee bean processing infrastructure as well as both experimental and operational agroforestry systems combining coffee, fruit bearing trees and side crops, a sustainable system is created that could play a role in climate mitigation and adaptation.

Partner institutes and contact person:

Meise Botanic Garden	(MeiseBG)	Stoffelen Piet & Lanata Francesca
KU Leuven-Forest Nature & Landscape	(KUL)	Verbist Bruno
EFICO NV	(EFI)	Van Dun Dorien & Delaet Katrien
Resources & Synergies Development sia	(R&SD)	Ducenne Quentin
University of Kisangani - Agronomy	(UNIKIS)	Dhed'a Djailo Benoit
National Agricultural Study and Research Institute	(INERA)	Mbuya Kankolongo Amand

Work packages & Partners

		Coordinator	Collaborators
WP1	Coordination, financial management and reporting	MeiseBG	R&SD
WP2	Installation of infrastructure for post-harvest treatments	MeiseBG	INERA, R&SD
WP3	Install agroforestry system with coffee <ul style="list-style-type: none"> - For research - For local community 	KUL-FNL	R&SD, MeiseBG, INERA
WP4	Scientific evaluation and monitoring <ul style="list-style-type: none"> - Evaluation bean quality - Evaluation soil fertility & agroforestry system 	MeiseBG EFI KUL-FNL	UNIKIS, INERA





Meise Botanic Garden

Summary:

This project combines knowledge about coffee and agroforestry together with experiences from other projects by the construction of production, demo and experimental fields on the sites of INERA Yangambi. This will make it possible to perform multiple functions in one cultivation system: food supply (fruit-bearing shade trees, plantain & bananas, host trees for the popular edible caterpillars which are an important source of protein, organic waste and wood for mushroom production), energy and construction wood (shade trees), income from cash crops such as coffee, carbon storage in wood, and so on. This agricultural system allows to reduce the pressure on natural forests by the prevailing but rather sustainable slash-and-burn agriculture. It could reduce carbon emissions from agriculture drastically or even bend it to a net fixation. By implementing the project on a site where other projects, both on coffee and on the carbon cycle and sequestration, are already in progress, we guarantee the continuity and embedding of this project in a broader context. In this way, we can continue to build on existing structures and cooperation agreements. Collaboration with local and international partners will be continued. In addition, the project will also be able to make an important contribution to the development of research and sustainable economic activities in the buffer zone of the “Man and Biosphere Parc Yangambi”.

In this project:

1. agroforestry experimental fields are constructed that will be monitored and evaluated;
2. infrastructure and equipment for the processing of coffee berries into high-quality marketable green coffee beans are provided;
3. agroforestry production fields are created for the benefit of the local population.

All this in order to evaluate and develop a sustainable and climate-resilient production of high-quality Robusta coffee as an engine for developing a green economy in the Yangambi region and to contribute to carbon capture in the context of REDD +. By installing and following up on the experimental plots, the agroforestry system will be evaluated.

