

TreeFood

Reducing of malnutrition through the food supplements from native tree species in Sub-Saharan Africa

ABSTRACT

The present project will be carried out in Benin, Burkina Faso, Mali and Niger (Sub-Saharan Africa). This region is characterized by high population growth, unpredictable food provision and high poverty rates. This situation is already and will further be worsened by climate change effects which affect agricultural production.

Year : 2015

Project number : 1507-143

Type of funding : AAP

Project type : AAP CARIPLO-CARASSO

Research units in the network :

Start date : 2017-01-01

End date : 2019-12-31

Flagship project : no

Project leader : Amadou Malé Kouyaté

Project leader's institution : Centre Régional Recherche Agronomique/Institut d'Economie Rurale

Project leader's RU : Hors_réseau

Budget allocated : 166445.66666667 €

Total budget allocated (including co-financing) : 499337 €

Funding : Labex

GOAL

The present overall research objectives are to 1) develop adapted 'agroforestry' plant material for introduction into local agroforestry systems, 2) assess biochemical compounds and nutritional value of native edible tree/shrub species products, 3) develop improved processing of products, 4) promote sustainable management of edible tree/shrub species and develop (inter-) national marketing strategies of their products.

ACTION

The main activities are grouped in six work packages :

(WP1) Literature review and traditional knowledge survey on native edible tree/shrub species ;

(WP2) Assessment of biochemical compounds and nutritional value of selected native edible tree/shrub species products ;

(WP3) Analysis and development of value chains and improvement of marketing and processing of selected edible tree/shrub products ;

(WP4) Development of locally adapted domestication of selected native edible tree/shrub species ;

(WP5) capacity building ; and

(WP6) Coordination and management.

RESULTS

The expected results of the project are :

Local knowledge on food trees is documented and a database on species and products is built ;

Biochemical composition of products is analyzed and their nutritional value is known ;
Improved processing of products is developed and sound marketing is promoted ;
Sustainable harvesting and best-plantation techniques are developed ;
Capacity building is done.