

# Innovative agricultural nature-based solutions to reduce climate change, land degradation and food insecurity: the potential of earthworms and vermicompost in small tropical farms

## OBJECTIVE

Based on scientific and traditional knowledge and objectives, it seems very urgent that such knowledge be shared to improve agricultural practices in the Highlands of Madagascar, so that farmers efficiently use natural (organic and biological) resources in a sustainable way, and improve food production, climate resilience, food and nutrition security, and farmers' wellbeing. Based on a multi-disciplinary and multi actor approach, the Innov'Earth project aims to develop innovative agricultural practices considering the beneficial role of earthworms and vermicomposts. The main objective of the project is to develop the use of earthworms and vermicomposts in small family farms in the Highlands of Madagascar in order to improve crop production and yield, climate resilience, nutritional quality of food products. Rice being the main food crop in the Highlands of Madagascar will be the studied crop; we will focus on upland rice.

## ACTIONS

WP1: Multi-actors design

WP2: Science-based knowledge

**Responsable :**

**Date de démarrage :** 01/01/2022

**Date de clôture :** 31/05/2024

**Montant :**

