

# Upscaling the benefits of insect-based animal feed technologies for sustainable agricultural intensification in Africa (PROTeinAfrica)



## Key details

### Location

Kenya, Rwanda, Uganda

### Duration

**Start** Mar 2022

**End** Jun 2025

### Budget

AUD 3,000,000

### Commissioned organisation

International Centre of Insect Physiology and Ecology

### Partners

CSIRO/QAAFI; International Centre of Insect Physiology and Ecology (ICIPE); Rockefeller Foundation

### Project Leader

Dr Chrysantus Tanga

### ACIAR Research Program Manager

Dr Anna Okello

### Program

[Livestock Systems](#)

### Project code

LS/2020/154



## Overview

**This project aims to enhance the development and adoption of insect farming businesses in East Africa through commercialisation of safe and culturally acceptable insect-based products for animal feed.**

Insect farming for improved animal feed continues to gain global recognition due to their high feed conversion ratio, nutrient-rich biomass, reduced water and land requirements, reduced capital and labour investment, and low ecological footprint.

Given the national/regional public goods nature of products that, for example, utilise waste streams and increase the efficiency of existing livestock production systems, this project is expected to bring a broad range of environmental and health benefits to communities in

target countries. The project will also ensure enterprises that build opportunities for women and youth remain central to activities, and proactively monitor gender balance in all stakeholder engagement activities to encourage female participation.

## Project outcomes

- Increasing availability in quantity and quality of insect-based feed for livestock and fish.
- Reducing environmental burden from less dependence on marine fishing and cultivation of arable land to produce animal feed protein.
- Increasing waste mitigation through bioconversion using insects.
- Reducing gender gap and increasing employment opportunities and income generation of the various stakeholders along the value chain, particularly women and youth.



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