



## Objective

**The project aims to enhance smallholder livelihoods in the Central Highlands, including vulnerable populations, through improving the sustainability of coffee and black pepper farming systems and value chains.**

This includes:

- Inducing changes at farm, market and policy environment levels.
- Producing a range of improved technologies and guidelines and encouraging adoption by coffee and pepper farmers.
- Developing methodologies on participatory value-chain and business model upgrading.
- Piloting value chain innovations to help smallholder farmers shift their practices towards more sustainable and cost-effective approaches.
- Developing and deploying soil-borne pest detection technology and soil remediation strategies.
- Designing integrated farming systems that simultaneously address multiple long-term sustainability issues.
- Improving suitability mapping for coffee and pepper and designing adaptability maps under forecasted climate data.

## Expected scientific results

- Increasing knowledge on crop requirements and contextualised good farming practices under current and forecasted climate changes.
- Increasing knowledge on soil-borne pests and diseases and improved methodology to measure their prevalence.
- Improving crop models.
- Integrating multidisciplinary methods towards Integrated Farming Systems and targeted scaling.
- Increasing understanding of agrarian change in the Central Highlands.
- Increasing knowledge on private sector engagement and application of sustainability approaches

## Expected impact/outcomes

- Establishing nutrient recycling, resource use analysis, and developing crop models.
- Enhancing the capacity of nurseries to produce healthy coffee and pepper seedlings.
- Developing training materials and guidelines on good farming practices for key stakeholders, including water use and fertilisers recommendations.
- Providing guidelines on intercropping and agroforestry systems.
- Strengthening the public-private sector dialogue and informing policymaking with robust evidence.

