

# VIETNAM

## SUCCESSFUL PILOT OF JOINT INITIATIVE

Our climate is changing and no other sector is impacted more than agriculture. Additionally, our rapidly growing global population demands food production to double by 2050 (FAO), while at the same time become substantially more sustainable and efficient. Cooperatives and farmers hold the keys.

Being the renowned specialist on cooperative development, Agriterra has a unique position to scale-up sustainable implementation of climate-smart approaches.

By including climate aspects in our approach and promoting climate-clever agricultural practices, we can support **over 1 million farmers** today to **sustainably increase their productivity**.

### Strategic partnership Agriterra and The Alliance of Biodiversity International and CIAT

To accelerate and strengthen the impact and outreach of investments in the sector's transformation, Agriterra and the Alliance decided to join forces in a strategic partnership.

A joint approach has been developed to build a pipeline of bankable climate resilient cooperatives. Building on each other's know-how, expertise and track record, cooperatives will be provided with a complete and credible package of solutions from pre-investment design and co-development of sustainable business models to technical assistance to accompany their transition.

This joint approach was piloted in two cooperatives in Vietnam, Minh Toan Loi and Ai Nghia.

Alliance



### Minh Toan Loi, coffee cooperative

227 members

UTZ and fairtrade certified  
Services MTL: Input supply,  
coffee collection and training  
and advisory services



### Ai Nghia, rice cooperative

1,581 members

Climate-clever cooperatives are cooperatives that are resilient to the impacts of climate change, minimise their negative impacts and increase their productivity in a sustainable way.

As rice and coffee cooperatives, they represent two important commodities that are highly vulnerable to climate change impacts.

This case study describes the outcomes of the pilot of this **Joint Approach** in Minh Toan Loi, consisting of:

1. the Agriterra cooperative **Climate Clever Check** workshop,
  - i) creating awareness,
  - ii) identifying climate issues, and
  - iii) finding and prioritising clever opportunities for improvement on farmer, cooperative and services level, followed by
2. the **Alliance Climate Smart Agriculture Assessment** workshop,
  - i) characterising the farming systems and value chains,
  - ii) evaluating the impacts of climate hazards,
  - iii) identifying promising interventions and enablers for uptake, and
  - iv) analysing the role of climate services to support decision making.

It also includes the outcomes of the Agriterra **Sustainable Services Workshop**, a tool to

- i) identify learning needs and
- ii) set up a farmer-led, sustainable service provision system, which was executed consecutively.



# THE OUTCOMES AT MINH TOAN LOI COOPERATIVE (MTL)



Members from the cooperative management, board and farmer representatives take part in a series of participatory meetings

## WATER CLEVERNESS

### Issues

Water shortage, more frequent drought and unpredictable rain pattern.

### Good

- MTL in charge of irrigation system management and schedule
- Initiatives to set up a drip irrigation system

### Identified opportunities

Cleaning reservoirs for better water collection.

### → Action resulting from an Agriterra / Alliance joint approach

MTL works with the local government to seek for resources in the annual budget to clean reservoirs in 2021.

## MATERIAL / ENERGY CLEVERNESS

### Issues

- Post harvest loss
- Waste disposal of coffee chaff and wastewater from wetprocessing

### Identified opportunities

- Scaling up the volume of wetprocessing as this process needs ripe coffee beans and will add higher value to both members and cooperative.
- Make bio-fertiliser from coffee chaff and wastewater to ensure “no-harm” practices to the environment and reduce costs of inputs.

### → Actions resulting from an Agriterra / Alliance joint approach

Consultation of Western Highlands Agriculture and Forestry Science Institute (WASI) on technology and training to make bio-fertiliser from coffee chaff.

## CROP CLEVERNESS

Overall good crop climate resilience practices: drought-resilient varieties of coffee are used and tree intercropping.

### → Actions resulting from Sustainable Services Workshop

Advanced training on intercropping techniques and selection of drought-resilient seedlings will be key focus of Minh Toan Loi in 2021.

## SOIL CONSERVATION CLEVERNESS

Overall good soil conservation practices:

- Good knowledge on usage of fertiliser for soil fertility and nutrition
- No deforestation and forest degradation, from UTZ and Fair Trade scheme.

### → Actions resulting from Sustainable Services Workshop

Services on soil testing and analysis will be improved through training of staff and purchasing of simple equipment to perform quick tests by May 2021. For more complicated testing, professional service providers will be consulted.

## KNOWLEDGE CLEVERNESS

### Good

Weather forecast access (TV, radio, 02 local hydrological stations and weather forecast from Green Coffee app).

### → Actions resulting from Sustainable Services Workshop

Improve market information dissemination to members. Channels will be set up in January 2021 together with a taskforce group in the cooperative.



### Follow-up Minh Toan Loi and Agriterra / The Alliance

The identified climate clever improvements will be incorporated in the joint-action plan in 2021.

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