Who are our partners?

- Association of Lantapan Sustainable Agroecological Zone
- Lantapan Local Government Unit
- Provincial Government of Bukidnon
- Bukidnon Environment and Natural Resources Office
- Mount Kitanglad Range Natural Park Protected Area
  Management Board
- Provincial Agriculture Office
- Provincial Environment and Natural Resources Office
- National Power Corporation
- Kitanglad Integrated NGOs
- Mindanao Development Authority
- University of the Philippines Los Baños

With support from:

IFAD
Investing in rural people

CGIAR
RESEARCH PROGRAM ON
Forests, Trees and Agroforestry

World Agroforestry Centre

Our project sites:

1. Philippines:
- Lantapan, Bukidnon province

2. Indonesia:
- Buol district, Central Sulawesi province

3. Vietnam:
- Ho Ho sub-watershed, Ha Tinh and Quang Binh provinces

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SmartInvest

Climate-smart, Tree-based, Co-investment in Adaptation and Mitigation in Asia (Smart Tree-Invest) Philippines

What is the problem?

The Philippines is one of the countries that are directly exposed to multiple climate-related hazards. While climate change impacts on agriculture affect both small- and large-scale farmers, smallholders are expected to be more vulnerable due to inherent factors, such as using mainly family labor for land cultivation and dependence on farming as their principal source of income.

Like many parts of the Philippines, the municipality of Lantapan in Bukidnon province has an agriculture-based economy, with almost 90% of the households relying on smallholder agriculture. Being located in an ecologically important area such as the Manupali watershed means the activities of Lantapan farmers have impacts on their immediate localities and on those located in the downstream areas.

Unsustainable farming practices particularly monocropping and use of chemicals has resulted in watershed degradation observed through decreased forest cover, increase in temperature, decreased soil fertility and soil erosion, among others.

What are we doing?

The Climate-smart, Tree-based, Co-investment in Adaptation and Mitigation in Asia (Smart Tree-Invest) project aims to **improve the livelihoods and resilience** of smalholding farmers by **reducing their vulnerability** to climate change.

What do we specifically aim to do?

1. To obtain gender-sensitive, scientific assessments of vulnerability, adaptation and mitigation with the help of local people's ecological knowledge;

2. To enable local comunities to collaboratively devise climate-smart, tree-based, good adaptation practices with local governments and the private sector; and

3. To integrate gender-responsive, culture-sensitive, climate-change mitigation and adaptation actions into mainstream policies and programmes.

How are we helping?

The project is using the **Capacity Strengthening Approach to Vulnerability Assessment (CaSAVA) framework** to assess the vulnerabilities of the farmers and their landscapes, as well as their capacities to adapt to climate change.

The project has partnered with a farmers' group in Lantapan and has already been able to develop a co-investment business case, which would sustainably finance their conservation practices.

For more information on the CaSAVA method, visit: http://www.worldagroforestry.org/region/sea/publications/detail?pubID=3056

What other methods are we using?

- Rapid hydrological appraisal
- Rapid carbon stock appraisal
- Rapid agro-biodiversity appraisal
- Photovoice and Video baseline survey

OUTCOME 1

Gender-specific knowledge helps smallholders' households cope with climate-change risks and reduce their vulnerability

OUTCOME 2

Livelihoods benefit from mitigation and adaptation actions under extreme climate events

OUTCOME 3

Stakeholders' capacitated in, and robust information available for, mainstreaming smallholders' tree-based farming systems for climate-change adaptation and mitigation.