

Cultivation Soil Management and Water Conservation

THE CHALLENGE

Climate change events especially droughts in the Central Highlands are increasingly harming agriculture production in general and the coffee sector in particular. Deforestation and cultivation on sloping lands, erode the soil causing flooding, which washes away as much as hundred tons of farm land per year. Excessive water use for irrigation without proper measures to retain rain-water leads to water shortages. Underground water is reducing in amount as rainy season ends abnormally early. Deforestation to obtain more land for coffee has also been attributed to decreasing accumulation of underground water. Farmers' awareness of climate change, proper use of agrochemicals and toxic loading remains limited.

THE RESPONSE

In the Cultivation Soil Management and Water Conservation project, a system of landscape models on agro-forestry, water saving technology and water harvesting will be developed in two of the biggest coffee productions in the Central Highlands with comprehensive management based on SMS available experience and ability.

The project will collaborate with the local governments to increase farmers' awareness of water saving and soil conservation. Farmers will be organized in groups with group leaders coordinating with SMS staff for demo farm development, farmer training, project monitoring and data collection. They will apply new technologies and devices to control soil and water.

At the same time a Special attention in Lam Dong province is Gung Re commune. The project will closely collaborate with the local government to implement a full set of activities in landscape planning. It is expected that the landscape model development will also have the participation of the VnSAT Project Management Unit throughout the designing and piloting process and shall be used as showcase for application in other provinces of the Central Highlands

At a Glance

IMPLEMENTING PARTNER: Atlantic Commodities Vietnam Ltd.

PRIVATE SECTOR CONTRIBUTOR: Jacobs Douwe Egberts

STATUS: Contracting

DURATION: 2016 – 2018

TARGETED FARMERS: 2,000

TARGETED AREA: 3,500 ha

PARTNERS INVOLVED: WASI, DARD, Tropenbos International

GEOGRAPHIC SCOPE: Lam Dong & Dak Lak

NUMBER OF DEMO PLOTS: 13

IMPACT/OUTLOOK:

- Adoption of agroforestry farming practices
- Improved soil and nutrient management
- Application of terrace farming
- Coffee rejuvenation with new varieties
- Water conservation
- Embankment and right water use
- Adoption of GAPs
- Certified coffee production

For more information, please contact

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