

Agro-climate for sustainable adaptation to climate change for women and ethnic farmers at Khua district Phongsaly province (ACIS 4)



ACIS 4



Location
Phongsaly Province
(Khua District)

TimeFrame January 2024 - December 2027

Beneficiaries

Direct 1,956 (923 women)
Indirect 5,868 (2,769 women)

Partners

Ministry of Agriculture and Forestry, Phongsaly
Provincial Agricultural and Forestry Office



BACKGROUND

Khua district is one of the poorest districts in Phongsaly province, sharing its border with several districts. To the west, it shares its border with Samphan district; to the south, with La district in Udomxay province; to the east, with Mai district and to the northeast, with Bountai district. The district has a population of 25,421, of which 13,891 are women. The main occupation of people relies heavily on agricultural production. The landscape is characterized by steep slopes, which negatively affect agricultural production, infrastructure, and livelihoods.

Hence, it is very essential to support people in these villages gain access to the agro-climate data, which help them adapt their agricultural production and secure their livelihoods. This includes learning new innovative techniques to adapt to changing climate conditions. The project will find new crop seeds that are resistant to drought, both for food consumption and for sales, and to generate income for families. This effort will be particularly relevant to the work of women, which is why the project will target 50% women participants. The aim is to strengthen and build the capacity of women to access agro-climate data, markets, and to actively participate in project activities.

OBJECTIVES

To enhance climate change resilience for farmers and women ethnic groups by promoting drought-resilient agricultural systems, improving climate response plan, expanding access to weather forecast, and creating income-generating opportunities for women in Khua district, Phongsaly Province.

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Ministry of Environment, Climate and Biodiversity
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LE GOUVERNEMENT
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Ministère de l'Environnement, du Climat
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OUTCOMES

- **Activity 1:** Support NAFRI to develop and provide dynamic seasonal crop calendar every quarter (3-months) for 4 times/year (total is 12 times: Conduct Participatory Scenario Planning (PSP) seasonal meeting 3 times/year: at the beginning of the session, mid point, and end of the session.
Support weather forecaster from Department of Metrology and Hydrology (DMH) of NAFRI regarding the analysis of dynamic seasonal crop calendar (every 3-months), 4 times/year.
Provide dynamic seasonal crop calendar developed by NAFRI to farmers quarterly (every 3-months), with 3 packets/group.
- **Activity 2:** Support NAFRI to organize training of trainer (ToT) on how to use dynamic crop calendars for 1 representative each from PAFO, PONRE, DONRE, PLWU and DLWU, 2 representatives from DAFO staff, 4 project staffs and 16 FLN members from 8 villages in the project. The training will be conducted at the Khoua district level.
- **Activity 3:** Support DAFO, DONRE to organize training on seasonal cultivation techniques for FLN members including how to use dynamic crop calendars, agro-climate and weather forecast information for 4 times/year (Total is 12 times), at least 20 people/village will participate in, total 160 people.
- **Activity 4:** Publish and promote drought-tolerant upland crops including locally exotic tree species, as well as currently used tree, and field crops for food and/or income. Exotic tree types will be introduced on a trial basis. This activity will be conducted twice a year in the target areas, by CARE international in Laos, at Khoua district.
- **Activity 5:** Procure and distribute drought-resistant tree crops, annual crops, and vegetable planting materials in 8 villages, including vegetables, paddy rice, upland rice, and tree varieties suitable for the area and for trade.
- **Activity 6:** Promote land zoning for forest watershed protection and micro-paddy creation (for village watersheds and water catchment areas with terraced rice) in 8 target villages.
- **Activity 7:** Provide technical training on paddy rice planting and provide equipment, and tools for opening new/expanding micro-paddy for poor households in 4 villages with potential: Omtrara, Kongvat, Huaythong and Keolung villages.
- **Activity 8:** Support farmers in undertaking beekeeping in 8 villages.
- **Activity 9:** Conduct Gender equality in relationships (GER) training to promote gender equality in 8 target villages.
- **Activity 10:** Establish farmer group in 8 target villages.

IMPACTS

- **Expected Result 1:** Farmers access to climate information service through specific climate information and agro-meteorology advisories and local weather forecasts.
- **Expected Result 2:** Women and ethnic farmers increase utilization of drought-resilient production systems for both food security and income.
- **Expected Result 3:** Farmers group have increased knowledge and capacity from exchanging information and knowledge with the Lao Farmers Learning Network and are able to use tools and equipment for drought-resilient agricultural production.



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