

Final Report

Project name	Strengthening the Voice and Capacity of Vulnerable Ethnic Minority Farmers in Climate Resilience in Northwest Vietnam (VOF)
Donor ID	CISU - 18-2273-UI-sep
Reporting period	1.2019 – 9.2022
Report compiled by	Nguyen Duc To Luu
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Summary

The project started in January 2019, but due to the project approval procedures in Vietnam, the actual operation started in June 2019. Especially during the project implementation period, there were two years of prolonged Covid-19 pandemic, limiting the ability to travel between provinces and organize meetings. Therefore, the project has been extended for a total of 9 months, ending in September 2022.

Despite many difficulties in implementing the project with 4 partners located in 3 different provinces, the project has completed most of the proposed work items. The model of Climate Resilience Farmer Community (CRFC) was piloted in six villages in six communes of six districts in 2 provinces of Son La and Lai Chau. In all 5 areas of the CRFC model, there have been positive results achieved. That is:

- Established six Farmer Responsive Groups (FRG) in six target villages have been regularly working as a connection between villagers and stakeholders and building community capacity in the process of transforming agriculture towards climate change resilience and environmental friendliness. Some groups have transformed into occupational groups and have begun to advance to form agricultural cooperatives.
- The capacity of farmer groups, as well as the whole community, has been improved, and there have been significant changes in awareness about climate change, being proactive in agricultural production, and consumption of agricultural products in the villages.
- The facilities of the villages in agricultural production are also enhanced with the application of new machines, and smart agricultural techniques (CSA) are widely applied in farming and animal husbandry in the villages. Some significant changes in crop and livestock structure and land use in the village have been made.
- Linking with the agricultural product market is carried out along the value chain from the place of production to the point of consumption through commitments between the parties and actual transactions for the consumption of agricultural products. High-quality standards and eco-friendly, organic orientation have also been set, and some have been converting production to meet these standards.

- The interaction between communes and local village authorities is enhanced, aiming to make the necessary decisions for the transformation of local agriculture in response to climate change and raise the voice of the people.

The communication of the CRFC model, the results, and lessons learned from the project's activities is carried out diversely and creatively, through many different information channels and continuously right from the beginning activities of the project. Articles, publications, and speeches at national and international conferences on the project have attracted considerable attention from the public, the media, and policy makers towards the model of CRFC and the role of farmers in climate resilience.

Activities & Outputs

Immediate objective 1: On 30 June 2022, at least 4 out of six farmer responsive groups (FRG) and two local NGO partners are increasingly influencing local and national decision making on rural development

Output 1.1FRGs in six target villages possess the required capacity to apply action learning in response to climate change

Activity 1.1.1: Launching workshops

Objective	Project Launching workshop in Son La and Lai Chau
Activity dates	18/6/2022 in Son La 18/7/2022 in Lai Chau
Participant details	ADDA; PanNature, representatives of Departments of Foreign Affairs, DARD; Planning and Investment; Nature Resource and Environment; Science & Technology; People's committee, Farmer Unions of six targeted districts and communes; village heads of six targeted communities.
Progress	Through these workshops, ADDA and Provincial Farmers Association shared the basis information of the project, objectives, funding, implementation areas, and expected results for three years of project implementation. Representatives of PanNature presented an overview of the climate-smart agriculture village model. The delegates attended the signing ceremony of the 3-way cooperation agreement (ADDA; PanNature; Farmers' Union of the province) on the implementation of the contents of the VOF project in the provinces. The workshop showed the spirit of consensus, responsibilities, cooperation, and effective collaboration for the implementation of project activities.

Outputs created	<p>3-way cooperation agreement signed in Son La and Lai Chau</p> <p>http://www.baosonla.org.vn/vi/bai-viet/hoi-thao-tang-cuong-tieng-noi-va-nang-luc-cho-nguoi-nong-dan-thieu-so-de-bi-ton-thuong-ung-pho-voi-bien-doi-khi-hau-tay-bac-viet-nam-vof-23603</p> <p>https://nature.org.vn/vn/2019/06/khoi-dong-du-an-ung-pho-bien-doi-khi-hau-tai-son-la/</p> <p>https://nature.org.vn/vn/2019/07/ho-tro-cong-dong-nong-dan-thieu-so-ung-pho-bien-doi-khi-hau-tai-lai-chau-va-son-la/</p>
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Activity 1.1.2: Preparation and establishment of Farmer Responsive Groups (FRG), officially representing the communities in agriculture development planning and implementation.

Objective	Project presenting workshops in communes
Activity dates	Six meetings in the quarter III/2019
Participant details	Management Boards of Farmers' Unions of Son La and Lai Chau provinces; Agriculture and Rural Development Office, Farmers' Unions of six districts; People's Committee of the six targeted communes; commune Farmers' Unions, cadastral officers of the communes; management boards of six villages and selected farmers of the targeted villages.
Progress	Through six workshops at the commune level, the participants were shared the project overview, issues on building smart agricultural villages to cope with climate change, activities of climate response farmer groups, and identifying core members of the groups. The delegates highly appreciated the project's goals and agreed on the importance of responding to climate change and the model of smart agriculture villages.
Outputs created	Six workshops were held in the six targeted communes (Xuan Nha – Van Ho, Na Khai – Yen Chau, Na Si – Mai Son, Tong Co – Thuan Chau) to present the VOF project and climate-smart agriculture model.

Objective	Meetings to Establish Farmer Responsive Group
Activity dates	Six meetings in the quarter IV/2019
Participant details	Management Boards of Farmers' Unions of Son La and Lai Chau provinces; People's Committee of the six targeted communes; commune Farmers' Unions, cadastral officers of the communes; management boards of six villages, and farmers of the targeted villages.
Progress	Six meetings in six targeted villages (Thin, Sap Vat, Na Khai, Phe A – Son La; Na Ca, Hop 1 – Lai Chau) were held to select villages' FRGs
Outputs created	Six FRGs have been established in the targeted communities. Each FRG has about ten members. Group regulation has also been compiled and submitted to commune authorities for approval.

Activity 1.1.3: Capacity training on management and organization skills, advocacy, negotiation skills, communication skill for FRGs and communal FUs.

Objective	Training course "Advocacy for integrating climate smart agriculture into local socio-economic development plan."
Activity dates	10-11/6/ 2020 in Lai Chau city 25-26/6/2020 in Son La city
Participant details	Management Boards of Farmers' Unions of Son La and Lai Chau provinces heads of FRGs of the target villages, the respective commune agricultural officials and local facilitators, and PanNature project staff. In Lai Chau, there were 15 people attending, while in Son La, there were 22 participants.
Progress	The training has guided trainees to step by step identify issues that exist at the grassroots level and develop a plan to integrate smart agriculture into the commune's annual development plan. This is the basis for planning activities on advocacy in the next period of the project.
Outputs created	2-day training courses in 2 provinces https://nature.org.vn/vn/2020/06/tap-huan-mo-hinh-nong-nghiep-thong-minh-ung-pho-voi-bien-doi-khi-hau/ https://nature.org.vn/vn/2020/07/hoi-nong-dan-tinh-tap-huan-van-dong-long-ghep-nong-nghiep-ung-pho-voi-bien-doi-khi-hau-trong-ke-hoach-phat-trien-kinh-te-xa-hoi-dia-phuong/

Activity 1.1.4: Training on impacts of CC, policy, laws, regulations, planning procedures on CSA practices for FRGs, communal FUs and communal officers.

Objective	Training course on climate change for targeted communes
Activity dates	Quarter IV/2019 in Lai Chau Quarter I/2020 in Son La
Participant details	Members of village FRGs and some pioneer farmers of the villages, land use officers of the communes. Facilitators were LF, staff of the provincial Farmer Union and PanNature project officer
Progress	The training aimed to improve farmers understanding of climate change issues and their impacts on agriculture production, production, and value chain of major agriculture products, as well as to discuss the plan for implementing the models in the villages for the next period.
Outputs created	6 training courses in 2 provinces

Activity 1.1.5: Training on awareness and experiences on CSA practices, study tours for FRGs, communal FUs, and communal officers.

Objective	Study tour on tea production in Tam Duong
Activity dates	8/9/2020
Participant details	Participants included 30 delegates (PMU representative of Lai Chau Farmers Association; Project facilitator; Representative of Binh Lu Commune People's Committee; 10 members of the farmer group; Na Ca village Management Board; 10 active farmers of Na Ca village).

Progress	Participants have shared lessons learned in tea production, and the process of building a model of safe tea production for European export and had many positive feedbacks on the models. Through the study visit, the farmers have basically changed their view on the effectiveness of the model, ready to apply it in the conditions of their village.
Outputs created	1-day study tour in Tam Duong

Objective	Study tour on rice production in Phong Tho
Activity dates	15/9/2020.
Participant details	Organized by FRG of Hop 1 village (Phong Tho, Lai Chau), village management board, and active farmers
Progress	Visit the rice intensification model to change the outlook on the effectiveness of the improved rice farming model. Through visiting effective models and exchanging with other farmers, the participants changed their perspective on the effectiveness of the improved rice farming model and planned to apply it for their households.
Outputs created	1-day study tour in Phong Tho

Objective	Study tour to Song Ma district, Son La.
Activity dates	Quarter II/2020
Participant details	40 participants from Na Khai, Phe A villages (06 commune officers, 06 villagers, 20 FRG members, 2LFs, 06 of FU)
Progress	Study tour to see the fruit tree production model according to VietGap and cow raising in bans.
Outputs created	A 2-day visit for 40 participants

Objective	Visiting and learning the model of linking agricultural production according to the value chain and planting production forests in Yen Bai and Tuyen Quang provinces
Activity dates	13-17/4/2021
Participant details	Lai Châu FU, LF representatives of FRGs of Na Ca and Hop 1, 2 PanNature staff, 1 ADDA driver

Progress	<p>After working with the Farmers' Union of Yen Bai province, the delegation visited and learned from the experience of planting large timber forests according to FSC standards in Thinh Hung commune, Yen Binh district, Yen Bai province. At the site, the delegation shared experiences on how to grow large timber trees according to FSC standards in combination with growing medicinal plants and livestock.</p> <p>On 14/4/2021, the delegation visited and learned experience in planting production forests according to FSC standards in Phu Thinh commune, Yen Binh district, Yen Bai province, with the characteristics of planting production forests combined with livestock in the area of Thac Ba hydropower reservoir. Income from 1ha of production forests is 130,000,000/year. Next, the delegation visited 02 families with workshops that consume wood products from production forests and produce pressed wood for export to Korea, Japan, and European countries.</p> <p>Model of organic cinnamon cultivation: total area of the Yen Bai province: 7,000 ha. Currently, production facilities have produced and processed 11 products from cinnamon for export to European countries.</p> <p>With the production afforestation models, it brings high income to households while increasing the coverage, protecting the environment, keeping the soil covered against erosion, keeping groundwater in mountainous areas, and contributing to reducing floods and droughts, which helps to prevent natural disasters caused by climate change such as floods, landslides, soil erosion, etc.</p> <p>The delegation was taken by the Farmers' Union of Tuyen Quang province to visit the model of growing and producing tea according to OCOP standards of Tuyen Quang province, where the delegation visited the Su Anh tea growing and processing cooperative in My Bang commune, Yen Son district, Tuyen Quang province. The delegation visited and was introduced to a model of safe tea production, how to care for and collect tea, organize households in a cooperative, and process tea product to meet OCOP 2-star and 3-star standards of Tuyen Quang province.</p> <p>Visiting the model of production association with fattening enterprises in Na Day village, Trung Hoa commune, Chiem Hoa district, Tuyen Quang province: Enterprises provide buffaloes and cows for households and invest in feed, veterinary medicine, and supporting techniques. Households contribute barns, grass, and labor. After getting the standards (buffaloes in 3 months, cows in 1 year), the enterprise purchases the cows and buffaloes, and the farmers receive 40% of the profits, the enterprises 60%.</p> <p>The model of orange cultivation in Thang Quan commune, Yen Son district, Tuyen Quang province: the company signs contracts to consume orange products and invest together with orange growers to build a road connecting the national highway to Yen Lap village, Thang Quan commune, Yen Son district, Tuyen Quang province.</p> <p>In the two provinces of Tuyen Quang and Yen Bai, the agricultural sector has also been promoting the formation of value chains for agricultural products. Accordingly, focusing on building agricultural production areas for export processing, high-tech agricultural areas and expanding production scale according to VietGAP process.</p>
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Outputs created	Lessons learned from the study tour: Building a value chain for agricultural products is one of the important solutions toward the goal of sustainable development of the entire agricultural sector. Over the past time, a number of value chain models have been formed and proven to be effective, but the number is not many and is not evenly distributed across fields and industries. The reason is that agricultural production in many regions across the country is still small and fragmented, making it challenging to form concentrated production zones to apply science and technology as well as control issues related to food safety and hygiene. Therefore, it is necessary to promote the formation of value chain models in the form of: cooperatives/cooperative groups associated with enterprises; Manufacturing enterprises associated with distribution enterprises; Enterprises that carry out all stages in the chain... Accordingly, the localities need to plan concentrated agricultural production areas as a basis for the formation of value chains.
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Objective	Study visit for fruit tree production according to VietGap standard in Na Si, Hat Lot commune; Mai Son, Son La
Activity dates	6/2021
Participant details	- Son La FU. - LF of Hat Lot commune. - Representatives of Hat Lot commune, Na Si village.
Progress	1-day visit to the fruit tree production model in Mai Son
Outputs created	The commune and village leaders can see that producing fruit trees according to VietGap standards is an inevitable advantage of the market and brings high economic efficiency, thereby setting the orientation for fruit tree production in Na Si according to the VietGap standards into the production plan of the village and commune in 2021.

Objective	Study visit to model of conversion of the ineffective crop to fruit tree plantation on slope land in Thin village, Xuan Nha, Van Ho, Son La;
Activity dates	6/2021
Participant details	- Son La FU. - LF of Xuan Nha commune. - Representatives of Xuan Nha commune, Thin village.
Progress	1-day visit to fruit tree plantation in Xuan Nha
Outputs created	Changing the views of village and commune leaders on converting crops from ineffective short-term trees on sloping land to a model of fruit trees grown under agroforestry. This provides the basis and confidence for the leaders to include the model in the commune's production plan in 2021 and 2022.

Objective	Training on "Improving awareness and skills in agricultural production towards safe, organic and environmentally friendly production and communication
Activity dates	20/1/2022

Participant details	<p>25 participants:</p> <ul style="list-style-type: none"> - 3 PanNature staff; - 01 PM of Lai Chau FU; - 4 LFs of 4 communes of Son La province; - 10 members of FRGs of Nà Khái, Sấp Vạt, Yên Châu villages; - 06 leaders of FRGs of Phế A (Thuận Châu), Thín (Vân Hồ), Nà Si (Mai Sơn) village; - 01 ADDA staff.
Progress	<p>The training was divided into two parts. On the first day, the trainers shared the following content: How to use modern media; Communication in product promotion; Social networks, and the internet in community communication. In the learning content, the students are especially interested in the content of communication to promote the product via the internet. In parallel with the theoretical training, the trainers practiced directly promoting their family's agricultural products on Facebook and personal Zalo pages.</p>
Outputs created	<p>At the end of the training course, the trainers have learned: The importance and application of communication skills to serve the model of CRFV; Self-identification, and production orientation for family and local agricultural products. They also learned how to connect clean and organic agricultural products to the high-quality agricultural products market.</p>

Objective	Study tour to Quang Binh and Quang Tri
Activity dates	21/2/2022 – 01/3/2022
Participant details	<p>13 participants:</p> <ul style="list-style-type: none"> - 3 members of Lai Chau FU - 10 participants from FRGs of Lai Chau - 01 project coordinator (PanNature)
Progress	<p>1. Visiting production models in Quang Binh province.</p> <p>Visiting a model of a general farm, combining afforestation, zoning and protecting forests and eco-tourism Doi De, Bo Trach, Quang Binh province</p> <p>Visiting the model of growing oranges V2 to ensure biological protection in Huu Nghi village, Viet Trung farm town, Bo Trach district, Quang Binh province.</p> <p>Visit the model of growing melons in a net house of the Center for Vocational Training and Support for Farmers - Women in Quang Binh province.</p> <p>2. Study tour in Hai Lang district, Quang Tri province.</p> <p>Visit the model of organic rice production associated with the consumption of winter-spring crops 2021 - 2022 in Hai Que commune, Hai Lang district</p> <p>Visit Trieu Phong Natural Clean Farming Agricultural Cooperative.</p>

Outputs created	After collecting opinions, the two models' most impressive representatives are: The organic rice production model associated with the consumption of winter-spring crop 2021 - 2022 in Hai Que commune, Hai Lang district and the model, Trieu Phong Natural Farming Clean Agricultural Cooperative. The members shared that they will try to apply some techniques in their families; if effective, they will expand to the households in the village to apply the same.
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Objective	Communication training in Lai Châu
Activity dates	29-30/03/2022
Participant details	Trainers: Nguyen Hong Nhung, Phan Van Thang (PanNature) 15 participants <ul style="list-style-type: none"> - 1 Lai Chau FU - 3 representatives of Hợp 1 village (Bản Lang, Phong Thổ), - 2 LFs - 10 members of Nhà Cà village (Bình Lư, Tam Đường).
Progress	Content of the training: How to use modern media; Communication in product promotion; Social networks and the internet in community communication. In the learning content, the students are especially interested in the communication content to promote the product via the internet. In parallel with the theoretical training, the trainees practiced directly promoting their family's agricultural products on Facebook and personal Zalo pages.
Outputs created	Students have grasped the basic knowledge of communication and the importance of modern communication and practiced skills in using the internet, social networks, and taking photos and videos with smartphones to use for online marketing of agricultural products.

Activity 1.1.6: ToT training for FRGs and commune FUs on new CSA techniques

Objective	First ToT training on SRI in Nhà Si (Mai Sơn distr., Sơn La)
Activity dates	02 days from 28 to 29/12/2020.
Participant details	25 people, including 4 LFs, Nhà Si FRG, village leaders, extension officers, farmers union officers, commune leaders of Hat Lot commune. Trainer: Mr. Nguyen Hoang Phuong, Northwest University.
Progress	Introduce SRI models, technical training on land preparation, seed sowing
Outputs created	Two days of training on SRI, guidelines for SRI cultivation

Objective	ToT on the model of agroforestry of mango intercropped with grass in Na Khai village, Sat Vát, Yên Châu, Sơn La
Activity dates	17 to 18/8/2020

Participant details	The FRG in Na Khai village, Head of the village, Head of Farmers' Association, Na Khai village, Sat Vat commune, Facilitator of 4 target villages of Son La, Permanent Representative of People's Committee, Farmers Union, and Agricultural Extension Officer of Sap Vat commune; Standing Yen Chau District Farmers Association, PMU VOF Son La Farmers Union. Trainer: Mr. Nguyen Hoang Phuong, Northwest University.
Progress	Content of the training: Introduction about agroforestry; Agroforestry characteristics in the Northwest region; designing of simple agroforestry system; designing an integrated Agroforestry system; practice building integrated agroforestry model; breeding techniques in Agroforestry system; tillage techniques in Agroforestry system; practice of determining contour lines and designing terrace fields; practice on fruit tree planting design; practice on grass lawn planting design and building Agroforestry system practices.
Outputs created	Two days of training on agroforestry, guidelines for grass intercropping in fruit gardens

Objective	TOT in raising beef cattle and bulls in Thuan Chau district
Activity dates	17 to 18/8/2020
Participant details	Facilitators of the 04 target villages of Son La, FRG of Phé A village. Village Head, Head of Farmers Union of PhéA Village, Tong Co Commune, Permanent Representative of People's Committee, Farmers Union, and extension officer of Tong Co commune. Standing Thuan Chau District Farmers Union, PMU Son La Farmers Union, PanNature. The trainer was Mr. Le Xuan Tung, a Teacher from Northwest University.
Progress	Content of the training: Introduction of some common breeds of cattle that are popularly raised in the Northwest, Selection technique of bulls for breeding; Practice observing cows; Practice measuring on cows to calculate weight; The technique of selecting cows for breeding; Introduce some sustainable and environmentally friendly models for raising cows, care techniques for breeding cows; Technology to take care of breeding bulls in a sustainable direction.
Outputs created	Two days of training and guideline materials on cattle raising

Objective	ToT of composting and animal feed in Phe A village
Activity dates	26 to 27/8/2020
Participant details	Facilitators of the 04 target villages of Son La, FRG of Phe A village. Village Head, Head of Farmers Union of Phé A Village, Tong Co Commune, Permanent Representative of People's Committee, Farmers Union, and extension officer of Tong Co commune. Standing Thuan Chau District Farmers Union, PMU Son La Farmers Union, PanNature. The trainer was Mr. Đặng Văn Công, a Teacher from Northwest University.

Progress	<p>Content of the training:</p> <ul style="list-style-type: none"> - Practice composting straw to feed cows; Grass silage technique for food; Technology to incubate corn stalks and leaves for food; Practice silage of grass and corn stalks as food; Straw preservation technique for cow's food; Introduce some methods of preserving agricultural by-products as feed for cows. - General introduction about compost; Features of using organic fertilizers in the Northwest region; Technical methods of composting; Instructions for fertilizing fruit trees; Instructions for fertilizing plants and vegetables; Practice composting; Determine the proper composting technique.
Outputs created	<p>The facilitators and FRG of Phe A village acquired knowledge on composting for animal feed and composting from livestock manure and agricultural residues.</p> <p>Guidelines materials for composting provided to participants</p>

Objective	Two training courses for rice production under the SRI method have been organized in Ban Lang commune, Phong Tho district.
Activity dates	Training workshop on sowing soil technology: 24/5/2020. Technical training on fertilizing and transplanting rice: 29/6/2020.
Participant details	The FRGs and active farmers in the village (10 households in total), project facilitators, and commune extension workers.
Progress	It provided knowledge and practical guidance on SRI rice cultivation techniques for soluble sticky rice variety.
Outputs created	Two days of training and training materials for SRI

Objective	Two training courses on composting techniques from agricultural by-products for farmers have been organized in 02 target villages of the project in Lai Chau
Activity dates	In Na Ca village, Binh Lu commune, Tam Duong district: 12-13/5/ 2020. In Hop village, Ban Lang commune, Phong Tho district: 14-15/5/ 2020.
Participant details	The FRG members, local facilitators, and extension workers at the commune level.
Progress	Participants had knowledge and skills about composting from agricultural by-products, understanding the meaning of collecting agricultural waste, agricultural by-products, green manure, and organic fertilizer for composting to serve. manufacturing
Outputs created	Four days of training and guidelines for composting

Objective	Two chicken-raising training workshops were held in Ban Lang commune, Phong Tho district
Activity dates	Technical training on cultivating chickens from 0-15 days old: on 31/5/ 2020. Technical training on cultivating chickens from 15-30 days old: on 13/6/ 2020.
Participant details	FRGs and active farmers in the village (25 people), project facilitators and commune extension workers.

Progress	It provided participants with knowledge about commercial chicken farming, biological padding techniques for chickens.
Outputs created	2 days of training on chicken raising, guideline materials provided

Objective	Agroforestry model with NTFPs in Son La
Activity dates	Quarter I/2021
Participant details	Ten members of FRG in Thin village, Minh Hong enterprise, PanNature officers
Progress	Worked with Minh Hong enterprise (specializing in the production and trading of essential oils) to discuss the cooperation between the enterprise and the Thin Village FRG.
Outputs created	Accordingly, the Enterprise basically agreed to cooperate and will support the group in the development of indigenous Bodhi tree production.

Objective	Consultation meeting for agroforestry with NTFP model in Thin village
Activity dates	7/4/2022
Participant details	Ten members of FRG in Thin village, Minh Hong enterprise, PanNature officers
Progress	Organized an online meeting. During the meeting, the two sides agreed to choose Locust tree (<i>Gleditschia</i> sp.) as a non-timber forest product for cultivation. The two sides also agreed on the basic principles for cooperation in cultivating Locust tree for fruit and thorns.
Outputs created	The FRG in Thin village has selected 09 households to participate in the model with a total registered planting area of 06ha.

Objective	Technical training and deployment of Bodhi tree model in Thin village
Activity dates	Training: 14 – 15/4/2022, Seedling delivery: 6/5/2022
Participant details	Ten members of FRG in Thin village, Minh Hong enterprise, PanNature officers
Progress	PanNature, in collaboration with Minh Hong enterprise, organized a training course on Bodhi tree cultivation techniques. Through the training course, the members of FRG in Thin village have mastered the techniques of soil preparation, digging holes, planting, tending and harvesting, and preliminary processing of Bodhi fruits and thorns. In addition, the group was also trained in planning skills and economic estimation for the Bodhi model.
Outputs created	PanNature and Minh Hong Essential Oil Enterprise handed over 1,800 standard-seeded Bodhi trees (The tree grows from seed, the height of the tree is from 28cm to 35cm, the age of nursery is six months, the plant is free from pests and diseases) for 09 households of the Thin village FRG. The total area of Bodhi tree model planted is 4.5ha.

Objective	Training on pineapple planting techniques according to agroforestry in Thin village, Van Ho, Son La
Activity dates	14/7/2021
Participant details	Directly taught by lecturers from North western University, with the participation of 10 farmers of the Thin village FRG,
Progress	After the training course, the trainees designed an agro-forestry model for 02 households to directly apply the agroforestry model, and at the same time, learned the basic principles and knowledge in growing Mango, Mac Khen, and intercropping pineapple. Besides theory, they were also trained in skills through practical planting.
Outputs created	The agroforestry technique transferred to the farmers. Seedlings for plantation provided.

Objective	Training on the economical watering system for fruit trees for Na Khai and Na Si FRGs in Son La
Activity dates	5/8 – 6/8/2021
Participant details	PanNature conducted technical training on building an economical irrigation model for fruit trees for 13 trainees who are members of FRGs in Na Khai village (11 people) and Na Si village (2 people). Mr. Nguyen Hoang Phuong is a trainer from North-western University. The training course is held for a quarter of a day, and the rest of the time is held directly at the farm.
Progress	Introduced to the trainees about the current types of economical watering models, their advantages and disadvantages, and specific application conditions, as well as the necessary materials when building for each type of model. On the basis of theory, the trainees went to the fields of Ms. Quang Thi Giang's family to design a specific model. From the designed model, students proceed to build the model. In which the trainer directly guided the farmers on practice. During the practice, the farmers are advised by the lecturer to correct and improve their technique.
Outputs created	After two days of training, the trainees were able to design their own models, estimate materials, and assemble an economical watering model by splash and drip irrigation for their families. At the same time, through the training course, 80% of the sprinkler irrigation model has been built and completed for Ms. Quang Thi Giang's family with an area of 1ha in Na Khai village.

Objective	ToT training on pruning techniques, flower sizing, fruit care, collection, picking, and preservation of mangoes in Na Khai village, Sap Vat commune, Yen Chau district, Son La
Activity dates	6/2021
Participant details	17 participants: Son La FU, Yen Chau district FU, 4 LFs of Son La, Sap Vat commune agriculture officer and leader, 10 farmers of Na Khai FRG, Na Khai village leaders Trainer: Nguyễn Hoàng Phương, Northwest University.

Progress	The LFs and Na Khai FRG gained knowledge on pruning techniques, flower size, care, and disease control for the agroforestry model of mango growing. The trainer guided participants to practice pruning techniques, flower size, care for mangoes, and visit the mango plantation model.
Outputs created	<p>Training materials:</p> <ul style="list-style-type: none"> + Technical instructions for pruning to create canopy for mango. + Practice pruning to create canopy for mango. + Techniques for pruning flowers and fruits for mangoes. + Technical instructions for using flower stimulant, fruit stimulant for mango + Practice using flower stimulant, fruit stimulant for mango. + Practice wrapping and caring for mango fruits and harvesting and preserving mango fruits.

Objective	Two ToT training on rice disease prevention techniques; harvesting, preserving, and sustainable straw treatment solutions to reduce greenhouse gas emissions in Na Si village, Hat Lot commune, Mai Son district, Son La
Activity dates	6/2021
Participant details	<p>34 participants: Son La FU, Mai Son district FU, 4 LFs, Hat Lot commune leader, Hát Lót commune agriculture officer, 20 members of FRGs, and Nà Si village leaders.</p> <p>Trainer: Nguyen Hoang Phuong Northwest University.</p>
Progress	The LFs and the Na Si FRG gained knowledge on harvesting, storage and solutions for rice straw treatment methods and techniques for rice disease prevention and weed management in rice fields, Integrated Crop Management for Rice (ICM). At the same time, the lecturer guides how to identify pests, diseases, and pests in rice field.
Outputs created	<p>Training materials:</p> <ul style="list-style-type: none"> + Introduce some pests, diseases and pests on rice. + Managing weeds in rice fields and Rice pests. + Integrated Crop Management for Rice (ICM). + Plan pest management for rice. + Identification of rice pests. + Practice of rice pest control. + Greenhouse gas emissions and consequences. + Technical solutions for rice straw treatment. + Composting animal feed from straw. + Practice: Covering with straw for vegetables, crops and trees. + Practice composting from straw. + Practice composting animal feed from straw.

Objective	Organize a joint training workshop on techniques of care, hygiene, food mixing, and seasonal disease prevention techniques, and cold prevention for cows in Phe A village, Tong Co commune, Thuan Chau district, Son La
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Activity dates	01/2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Representatives of FUs of Thuan Chau district; Tong Co commune; - Agriculture extension officer of Tong Co commune; - 10 farmers of Phe A FRG - Management board of Phe A Village - Trainer: Le Xuan Tung, Northwest University.
Progress	<p>The ToT participants know about the process of taking care of hygiene, how to preserve and mix feed; disease prevention techniques and cold drum for cows.</p> <p>The trainer was conducted to guide participants to practice mixing food, preventing disease, such as the cold for cows. Visit the barn model of some households</p>
Outputs created	<ul style="list-style-type: none"> * Training materials for cow barns + Introduce some models of barns in the direction of ecology and environmental friendliness today. + Instructions on how to make a one-row barn. + Visit the barn model of some practitioners. + Introduce some high-yield grass varieties grown for cows. + Some recipes for mixing cow feed. + Practice mixing food rations. * Training materials for cow disease prevention + Introduce some common diseases in cows. + Long-and-mouth disease. + Cholera disease + Diarrheal. + How to prevent cold for buffaloes and cows in winter. + Instructions for the use of some veterinary drugs. + Instructions on how to vaccinate cows.

Objective	Organize a ToT training workshop on planting, care, and protection techniques of mango under the agroforestry model in Phe A village, Tong Co commune, Thuan Chau district, Son La
Activity dates	02/2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Representatives of FUs of Thuan Chau district; Tong Co commune; - Agriculture extension officer of Tong Co commune; - 10 farmers of Phe A FRG - Management board of Phe A Village - Trainer: Le Xuan Tung, Northwest University.

Progress	Helping the LFs and the Phe A FRG gain knowledge on caring for and protecting the mango in the agroforestry model.
Outputs created	<ul style="list-style-type: none"> * Training materials: + Growth and development characteristics and some mango varieties. + Technical measures to take care of mango trees. + Characteristics of some grasses intercropped with fruit trees. + Designing models of grass and mango intercropping in different stages. + Planning to grow and take care of the mango orchard intercropped with grass in the establishment stage. + Planning to grow and take care of the mango orchard intercropped with grass in the production stage. + Practice planting mango intercropped with grass. + Practice taking care of the mango garden in the basic construction stage. + Practice taking care of mango orchards in the business stage.

Objective	Organize a ToT training on rice transplanting technique using SRI method in Na Si village, Hat Lot commune, Mai Son district, Son La
Activity dates	02/2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Head of FU of Mai Son district; - Heads of PC and FU of Hát Lót commune; - Extension Officer of Hát Lót commune; - 10 farmers of Na Si FRG; - Management board of Nà Si village; - Trainer: Nguyễn Hoàng Phương, Northwest University.
Progress	The LFs and the Na Si FRG acquired basic knowledge of the SRI method of rice cultivation. Helping the participants to step by step change the farming practices such as thickly transplanting, transplanting a lot of plants, unbalanced fertilization, applying more nitrogen fertilizers, spraying pesticides that do not follow the principle of 4 to switch to intensive rice cultivation under the improved SRI process; fertilize according to the needs of the rice plant. Thereby reducing the amount of nitrogenous fertilizer, reducing pests and diseases, reducing greenhouse gas emissions, protecting the environment, reducing post-harvest losses, reducing input costs, increasing income, and product quality, and increasing profits for people growing rice.

Outputs created	<p>* Training materials:</p> <ul style="list-style-type: none"> + Improved rice transplanting technique. + Selection of transplanting techniques for rice varieties. + Determine suitable rice transplanting techniques. + Practice SRI rice cultivation. + SRI technique for straight rice sowing. + Practice SRI rice straight sowing technique. + Sample demonstration + group practice.
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Objective	Training on safe and organic production of fruit trees in Son La
Activity dates	21 – 22/1/2022
Participant details	<p>25 participants:</p> <ul style="list-style-type: none"> - 3 PanNature staff; - 01 PM of Lai Chau FU; - 4 LFs of 4 communes of Son La province; - 10 members of FRGs of Na Khai, Sap Vat, Yen Chau villages; - 06 leaders of FRGs of Phe A (Thuan Chau), Thin (Van Ho), Na Si (Mai Son) village; - 01 ADDA staff. - 2 consultants of Uncle Tom company
Progress	<p>Training content: Basic concepts and knowledge, market trends for safe, organic and environmentally friendly production; Levels and certification systems for organic and safe agricultural products in Vietnam; How to connect clean and organic agricultural products with the market for high quality agricultural products; How to determine and select levels and certification systems for agricultural products produced in the direction of safe and organic in each village.</p> <p>Through field survey and practice selection of production standards for the group. Four groups have self-assessed and proposed production standards for potential local products. Accordingly, Na Khai village orients the production of round mangoes in the direction of organic. 2 groups of Na Si and Thin village chose to produce GL4 Mangoes in the direction of VietGap products. Phe A village chooses to produce beef in the organic direction, but through analysis of the competitiveness of Phe A village beef products and other places, it is found that the beef products here do not have any special features, creating competition. Therefore, in Phe A, it is necessary to do an additional assessment of the market for beef products in the village before orienting production. Or switch to organic coffee products.</p>
Outputs created	At the end of the training course, the trainees have basically learned: Self-identification and production orientation for family and local agricultural products. Know how to connect clean and organic agricultural products to the market for high-quality agricultural products.

Objective	Organize a joint training workshop on techniques of care, hygiene, food mixing and seasonal disease prevention techniques, and cold prevention for cows in Phe A village, Tong Co commune, Thuan Chau district, Son La
Activity dates	01/2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Representatives of FUs of Thuan Chau district; Tong Co commune; - Agriculture extension officer of Tong Co commune; - 10 farmers of Phe A FRG - Management board of Phe A Village - Trainer: Le Xuan Tung, Northwest University.
Progress	<p>The ToT participants know about the process of taking care of hygiene, how to preserve and mix feed; disease prevention techniques and cold drum for cows.</p> <p>The trainer guided participants to practice mixing food, preventing disease and fighting a cold for cows. Visit the barn model of some households</p>
Outputs created	<ul style="list-style-type: none"> * Training materials for cow barns + Introduce some models of barns in the direction of ecology and environmental friendliness today. + Instructions on how to make a one-row barn. + Visit the barn model of some practitioners. + Introduce some high-yield grass varieties grown for cows. + Some recipes for mixing cow feed. + Practice mixing food rations. * Training materials for cow disease prevention + Introduce some common diseases in cows. + Long-and-mouth disease. + Cholera disease + Diarrheal. + How to prevent cold for buffaloes and cows in winter. + Instructions for the use of some veterinary drugs. + Instructions on how to inject cows.

Objective	Organize a ToT training workshop on planting, care, and protection techniques of mango under the agroforestry model in Phe A village, Tong Co commune, Thuan Chau district, Son La
Activity dates	02/2021

Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Representatives of FUs of Thuan Chau district; Tong Co commune; - Agriculture extension officer of Tông Cọ commune; - 10 farmers of Phe A FRG - Management board of Phe A Village - Trainer: Le Xuan Tung, Northwest University.
Progress	Helping the LFs and the Phe A FRG gain knowledge on caring and protecting the mango in the agroforestry model.
Outputs created	<ul style="list-style-type: none"> * Training materials: <ul style="list-style-type: none"> + Growth and development characteristics and some mango varieties. + Technical measures to take care of mango trees. + Characteristics of some grasses intercropped with fruit trees. + Designing models of grass and mango intercropping in different stages. + Planning to grow and take care of the mango orchard intercropped with grass in the establishment stage. + Planning to grow and take care of the mango orchard intercropped with grass in the production stage. + Practice planting mango intercropped with grass. + Practice taking care of the mango garden in the basic construction stage. + Practice taking care of mango orchards in the business stage.

Objective	Organize a ToT training on rice transplanting technique using SRI method in Na Si village, Hat Lot commune, Mai Son district, Son La
Activity dates	02/2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs of Son La; - Head of FU of Mai Son district; - Heads of PC and FU of Hat Lot commune; - Extension Officer of Hat Lot commune; - 10 farmers of Na Si FRG; - Management board of Nà Si village; - Trainer: Nguyen Hoang Phuong, Northwest University.
Progress	The LFs and the Na Si FRG acquired basic knowledge of the SRI method of rice cultivation. Helping the participants to step by step change the farming practices such as thickly transplanting, transplanting a lot of plants, unbalanced fertilization, applying more nitrogen fertilizers, spraying pesticides that do not follow the principle of 4 to switch to intensive rice cultivation under the improved SRI process; fertilize according to the needs of the rice plant. Thereby reducing the amount of nitrogenous fertilizer, reducing pests and diseases, reducing greenhouse gas emissions, protecting the environment, reducing post-harvest losses, reducing input costs, increasing income, product quality, and increasing profits for people growing rice.

Outputs created	<ul style="list-style-type: none"> * Training materials: + Improved rice transplanting technique. + Selection of transplanting techniques for rice varieties. + Determine suitable rice transplanting techniques. + Practice SRI rice cultivation. + SRI technique for straight rice sowing. + Practice SRI rice straight sowing technique. + Sample demonstration + group practice.
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Objective	ToT for Climate Responsive Agriculture Village (CRFC) model in Van Ho, Son La
Activity dates	29 – 31/12/ 2019
Participant details	6 LFs, management boards of Farmer Unions of Son La and Lai Chau. Facilitators were staff of PanNature, ADDA, and an invited expert on organic agriculture.
Progress	The training provided knowledge and skill related to the implementation of Climate Responsive Agriculture Village (CRFC) model as well as discussed, the way for project implementation. The training topics included: Action learning and self-management, FRGs, steps to implement CRFC, review of current issues of agriculture in targeted villages, Organic Agriculture, Communication and networking, Practice for community facilitation, farmer participation in local agricultural production planning, Value chain analysis, Reporting, and planning regime.
Outputs created	Three days of training, training materials provided

Activity 1.1.6: Selection of local facilitators

In the quarter of 3/2019 a TOR was developed for selecting local facilitators who are the key link between the management boards of FU in the provinces with the Farmer Groups during the whole process of project implementation on the TOR 2 interviews held in Son La and Lai Chau. From 12 candidates introduced by the communes six LFs were selected as the following:

N	Name of LF	Year of birth	Targeted village	Education level	Current position	Note
1	Lò Thị Quyên	1984	Na Si, Hat Lot, Mai Son	Agriculture University	Commune Extension officer	CEMI LF
2	Lò Văn Quyền	1990	Phe A, Tong Co, Thuan Chau	Immediate Agriculture School	Head of FU in the village	CEMI LF
3	Quàng Thị Hậu	1991	NaKhai, Sap Vat, Yen Chau	Agriculture College	Commune Extension officer	
4	Khuất Hữu Dương	1977	Thín, Xuan Nha, Van Ho	Agriculture Univerity	Commune Extension officer	

5	Nguyễn Ngọc Trần	1973	Hop 1, Ban Lang, Phong Tho	Immediate Agriculture School	Contracted teacher of FU training center	CEMI LF
6	Đặng Thị Hương	1975	Na Ca, Binh Lu, Tam Duong	Immediate Agriculture School	Commune Extension officer	CEMI LF

Activity 1.1.7 Regular meeting of FRGs for sharing experiences and planning activities

Objective	The LFs and two target FRGs of the project to meet regularly on a monthly basis in Lai Chau.
Activity dates	Monthly from 1.2020 to 6.2022
Participant details	LFs and FRGs
Progress	Hold regular meetings to share production experiences, evaluate implemented project activities, discuss tasks to be done in the following month, and synthesize recommendations to VOF Project Management Board in implementing activities of FRGs.
Outputs created	Minutes of the meetings, 60 meetings in totals

Objective	Organized a meeting of LFs, FRG group leaders to prepare implementation plan for the first half of the year 2021 in Son La city.
Activity dates	01/2021
Participant details	- Son La FU; - 04 Son La LFs; - 04 Heads of FRGs.
Progress	Project Management Board of Son La FU coordinated with PanNature to organize a planning meeting to prepare implementation plan for the Q1 and 2/2021 for 4 FRGs of 4 targeted villages.
Outputs created	Son La VOF implementation plan first half year 2021

Objective	The LFs and 4 targets FRGs of the project to meet regularly on a monthly basis in Son La.
Activity dates	Monthly from 6.2020 to 12.2021
Participant details	LFs and FRGs
Progress	Hold regular meetings to share production experiences, evaluate implemented project activities, discuss tasks to be done in the following month, and synthesize recommendations to VOF Project Management Board in implementing activities of FRGs.
Outputs created	Minutes of the meetings, 72 meetings in totals

Activity 1.1.8 Village meetings (incl. distribution of communication material) for learning and discussion of CSA practices

Objective	Village meetings in six targeted villages
Activity dates	Quarterly from quarter I/2020 to quarter IV/2020
Participant details	LFs, FRGs, villagers
Progress	Maintained quarter meetings of six villages. The meeting is focused on discussion among the FRGs to define an action plan for the groups, select key agriculture products and prepare for the implementation of CSAs
Outputs created	Minutes of the meetings, 24 meetings in totals

Objective	Organize village farmer meetings to share experience and production planning activities in Lai Chau
Activity dates	Na Ca village, Binh Lu commune: 30/3/2021 Hop 1 village, Ban Lang commune: 02/4/2021
Participant details	- Lai Chau FU - LFs; - FRGs of Na Ca and Hop 1 village;
Progress	The FRGs of the 02 villages shared experiences, prepared production plans for the village, proposed to the Commune People's Committee to support the implementation of the production plan, for the Na Ca group to discuss mobilizing the households to implement the model converting inefficient maize land to tea cultivation.
Outputs created	Minute of meetings

Objective	Organize village farmer meetings to share experience and production planning activities in Lai Chau
Activity dates	In June 2021
Participant details	- Lai Chau FU - LFs; - FRGs of Nà Cà and Hợp 1 village;
Progress	The FRGs of 02 villages shared experiences, prepared production plans for the village, and proposed to the Commune People's Committee to support the implementation of the production plan; for the Na Ca group they discussed mobilizing the households to implement the model converting inefficient maize land to tea cultivation.
Outputs created	Minute of meetings

Objective	Meeting between the FRG with the village and commune leaders on the issue of converting from flooded rice to grass growing in Phe A village.
Activity dates	11/2021
Participant details	24 participants - Son La FU. - Representatives of Tong Co commune PC, FU. - LF - Leaders of Phe A village - Phe A FRG
Progress	Meeting between FRG and commune leaders to discuss plan for transforming flooded rice area to grass cultivation.
Outputs created	FRG contributed comments on the issues. Commune leaders received the comments and take them into consideration in planning.

Objective	Organize village farmer meetings to share experience and production planning activities in Lai Chau
Activity dates	Na Ca village, Binh Lu commune: 30/3/2021 Hop 1 village, Ban Lang commune: 2/4/2021
Participant details	- Lai Chau FU - LFs; - FRGs of Na Ca and Hop 1 village;
Progress	The FRGs of two villages shared experiences, prepared production plans of the village, proposed to the Commune People's Committee to support the implementation of the production plan, for the Na Ca group to discuss mobilizing the households to implement the model converting inefficient maize land to tea cultivation.
Outputs created	Minute of meetings

Output 1.2. Farmer communities participate in agriculture management and planning

Activity 1.2.1: Participatory assessment on CC impacts (CRAI), socio-economic assessment to agriculture in the village (PRA)

Objective	Objectives of the survey: - Assessing the current status (baselines) and impact of climate change on agricultural cultivation; Assessing the awareness and the application of climate-friendly agricultural measures of local people and; - To assess problems and potentials in: 1/ Agriculture production; 2/ Capacity of the community; 3/ Participation of local people on government planning and;
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Activity dates	Six targeted villages in Son La and Lai Châu. In quarter III/2019
Participant details	FU, six LF, villagers of six villages, Pannature staff
Progress	Assessment methods: Based on key criteria of CRAI index and conducted through: <ul style="list-style-type: none"> - Semi-structured interview commune chairman, agriculture officers, farmer union officers, and village leaders. - Focus group discussion of the farmers in the villages. - Questionary for 21 households per village.
Outputs created	The main survey results were used for presentation and discussion at project introduction meetings in communes (activity 1.1.2). A final technical report was developed.

Activity 1.2.2: Promote participation of villagers in planning for patterns of crop and animal production in the villages, using results of assessment CRAI

Objective	Organized a village meeting to discuss issues on converting ineffective crop areas to tea plantations in Na Ca village, Binh Lu commune.
Activity dates	14/8/2020
Participant details	40 participants: Members of FRG; Representative of PMU of Lai Chau FU; local facilitator; Representatives of People's Committee, People's Committee, commune cadastral staff; 24 representative farmers of Na Ca village.
Progress	Consulted with members of the FRG on converting some 1-crop maize areas with water shortage to tea cultivation in Na Ca village, Binh Lu commune.
Outputs created	The participants have agreed to change the water-deficient maize field in Pa An area to the tea plantation and proposed to hold a meeting with the Commune People's Committee to include this issue in the Socio-Economic Development Plan of the commune.

Objective	Dialogue meeting to contribute to the annual production plan in Hợp 1 village (Bản Lang com., Phong Thổ district, Lai Chau).
Activity dates	26/10/2020
Participant details	29 people, including Hop 1 village FRG; LF in Ban Lang; representatives from commune authorities, land and agriculture officer of Ban Lang commune; 10 representative farmer households of Hợp 1 village.
Progress	Village meeting to agree to include SRI rice cultivation into village production plan.
Outputs created	Participants agreed to submit the content to include the target of growing rice according to the SRI method and the production plan of the submission to the Commune People's Committee (CPC), to include in the commune's socio-economic development plan. CPC will work again with the village to correct the data on the specific area for SRI cultivation.

Objective	Village meeting to prepare for production in the winter-spring season in Nà Cà village (Bình Lư commune, Tam Đường district, Lai Chau)
Activity dates	26/12/2020
Participant details	71 people. Na Ca FRG; MB of Lai Chau FU; commune officers; 54 representative farmers of Nà Cà village.
Progress	Village meeting to agree on agriculture production plan of Na Ca village linked to sustainable cultivation and environment protection.
Outputs created	Participants agreed to submit the content of the production plan to the commune People's Committee for inclusion in the commune's socio-economic development plan. Especially converting 9.6 ha of maize per crop of water shortage and inefficiency of tea cultivation.

Objective	Meeting of FRG with commune leaders in Thin village, Xuan Nha commune (Van Ho distr., Son La)
Activity dates	quarter IV/2020
Participant details	25 people, including Thin FRG, three representative farmers, MB of Son La FU, Van Ho district FU, representatives and officers of Xuan Nha commune, LF in Van Ho, leaders of Thin village
Progress	Discuss converting ineffective annual crops on sloping land to fruit trees under the agroforestry model in the production plan of the village
Outputs created	Minutes of meeting

Objective	Meeting of FRG with commune leaders in Na Si village, Hat Lot commune (Mai Son distr., Son La)
Activity dates	quarter IV/2020
Participant details	35 people, including mango and longan planting farmers, MB of Son La FU, Mai Son district FU, Hat Lot commune leader and officers, Na Si village leaders, LF in Hat Lot.
Progress	Evaluation and discussion on the status of mango and longan production and sale in the village
Outputs created	Minutes of meeting

Objective	Meeting with commune and village leaders in Phe A village (Tong Co com., Thuan Chau dist., Son La)
Activity dates	quarter IV/2020
Participant details	28 people, including FRG of Phe A village, leaders of the village, officers and leader of Tong Co commune, MB of Son La FU, representative of Thuan Chau district FU, LF in Tong Co.
Progress	Evaluating the status of cow raising and presenting the plan to move the barn away from home

Outputs created	Minutes of meeting
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Objective	Meeting of FRG and village leaders in Na Khai village (Sap Vat com., Yen Chau dist., Son La)
Activity dates	quarter IV/2020
Participant details	FRG of Na Khai village, leaders of the village, officers and leader of Sap Vat commune, MB of Son La FU, representative of Yen Chau district FU, LF in Tong Co.
Progress	Discussion on cultivation area, price, and status of sale for local mango. Consulting villagers on the way to sell the local mango fruits.
Outputs created	Minutes of meeting

Objective	Organize a meeting to discuss the production plan of winter-spring crops in Ban Lang commune, Phong Tho district, Lai Chau province.
Activity dates	6/3/2021
Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - LF; - Head of PC of Ban Lang commune; - FU of Bản Lang commune; - Land and agriculture officer of Bản Lang commune; - 10 farmers of Hop 1 FRG; - Management board of Hợp 1 village; - 30 village farmers of Hợp 1 village.
Progress	Develop a production plan for the winter-spring crop for farmers in Hop I village and propose some comments on the plan for the first quarter of 2021 of the VOF project.
Outputs created	<ul style="list-style-type: none"> - Develop a winter-spring crop production plan for the Hop 1 farmers in accordance with the socio-economic development plan of Ban Lang commune, especially a plan to extend the model of instant glutinous rice production according to SRI method. - Agree with the LF and FRG members' proposals to support the group to visit a number of models outside the province and support branding for Phong Tho instant glutinous rice.

Objective	Organize a meeting to launch implementation plan of spring crop production in 2021, the sustainable agricultural orientation of 04 villages and FRGs in Son La.
Activity dates	1.2021

Participant details	<ul style="list-style-type: none"> - Son La FU; - 04 LFs; - Heads of FUs of 4 districts; - Head of PC and FUs of 04 communes; - Extension officers of 04 communes; - 41 farmers from 4 FRGs; - Management boards of 04 villages;
Progress	Develop production plans for the winter-spring crop for 04 FRGs, proposing suggestions for implementing the plan for the first quarter of 2021 of the VOF project
Outputs created	Minute of meetings

Objective	FRG and the Management Board of Na Khai village held a meeting for local policy integration. Mai Son district, Son La.
Activity dates	2.2021
Participant details	<ul style="list-style-type: none"> - Management board of Na Khai village; - LF; - 10 farmers of FRG;
Progress	Change village leaders' views on ineffective crop conversion models to fruit trees grown under agroforestry models.
Outputs created	Minute of meeting

Objective	Organize a meeting to discuss the production plan of winter-spring crops in Ban Lang commune, Phong Tho district, Lai Chau province.
Activity dates	6/3/2021
Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - LF; - Head of PC of Bản Lang commune; - FU of Bản Lang commune; - Land and agriculture officer of Bản Lang commune; - 10 farmers of Hop 1 FRG; - Management board of Hop 1 village; - 30 village farmers of Hop 1 village.
Progress	Develop a production plan for the winter-spring crop for farmers in Hop I village and propose some comments on the plan for the first quarter of 2021 of the VOF project.

Outputs created	<ul style="list-style-type: none"> - Developed a winter-spring crop production plan for the Hop 1 farmers in accordance with the socio-economic development plan of Ban Lang commune, especially a plan to extend the model of instant glutinous rice production according to SRI method. - Agreed with the LF and FRG members' proposals to support the group to visit a number of models outside the province, and support branding for Phong Tho instant glutinous rice.
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Objective	Organized a meeting to launch implementation plan of spring crop production in 2021, the sustainable agricultural orientation of 04 villages and FRGs in Son La.
Activity dates	1.2021
Participant details	<ul style="list-style-type: none"> -Son La FU; - 04 LFs; - Heads of FUs of 4 districts; - Head of PC and FUs of 04 communes; - Extension officers of 04 communes; - 41 farmers from 4 FRGs; - Management boards of 04 villages;
Progress	Develop production plans for the winter-spring crop for 04 FRGs, proposing suggestions for implementing the plan for the first quarter of 2021 of the VOF project
Outputs created	Minute of meetings

Objective	FRG and the Management Board of Na Khai Village held a meeting for local policy integration. Mai Son district, Son La.
Activity dates	2.2021
Participant details	<ul style="list-style-type: none"> - Management board of Na Khai village; - LF; - 10 farmers of FRG;
Progress	Change village leaders' views on ineffective crop conversion models to fruit trees grown under agroforestry models.
Outputs created	Minute of meeting

Activity 1.2.3 Integration of CRAI index into communal development plans and reports

Objective	Meeting for preparing production in winter-spring season 2021 in 4 villages of Son La
Activity dates	Quarter I/2021

Participant details	FRG of 4 villages, leaders of 4 villages, officers and leaders of 4 communes, 4 LFs, MB of Son La FU, representative of district FU.
Progress	prepare for production in the winter-spring season 2021
Outputs created	Minute of meeting

Objective	Seminar for discussing the integration of CRAI index into communes in Lai Chau and implementing the impact assessment of climate change based on the CRAI index in Binh Lu commune, Tam Duong district, Lai Chau
Activity dates	29/6/2021
Participant details	<ul style="list-style-type: none"> - Lai Chau FU; 1LF; - Head and officers of PC of Binh Lu commune; - 10 farmers of Na Ca FRG; - Management board of Na Ca village; - 2 PanNature staffs - 1 driver of ADDA
Progress	<p>Presentations:</p> <ul style="list-style-type: none"> - Report on assessment of impacts of climate change on agricultural production in Binh Lu commune and Na Ca village - Plan to respond to climate change and natural disasters of Binh Lu commune targets assigned by the district in agricultural production in 2022 - Introduction of CRAI indicator set in climate change assessment at commune level - Discussion on integration of CRAI index in commune level planning
Outputs created	<p>The results of the discussion and proposals for two issues are integrated:</p> <p>1/ Adaptation to drought: it is proposed to convert 9.6 ha of water-deficient maize to tea cultivation.</p> <p>2/ Minimizing greenhouse gas emissions: increasing the collection of manure, composting, and not burning straw.</p>

Objective	Seminar for discussing the integration of CRAI index into communes in Lai Chau and implementing the impact assessment of climate change based on the CRAI index in Ban Lang commune, Phong Tho district, Lai Chau
Activity dates	19/6/2021

Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - LF; - Head of PC of Ban Lang commune; - FU of Ban Lang commune; - Land and agriculture officer of Ban Lang commune; - 10 farmers of Hop 1 FRG; - Management board of Hop 1 village;
Progress	<p>Presentations:</p> <ul style="list-style-type: none"> - Report on assessment of impacts of climate change on agricultural production in Ban Lang commune and Hop 1 village - Plan to respond to climate change and natural disasters of Ban Lang commune, targets assigned by the district in agricultural production in 2022 - Introduction of CRAI indicator set in climate change assessment at commune level - Discussion on integration of CRAI index in commune level planning
Outputs created	<p>Discussion results:</p> <p>1/ Adaptation to severe cold, harmful cold, and drought: Converting the area of bananas that died due to cold and hail to growing macadamia trees and forestry trees (Chukrasia, Cinnamon). Select the indicator on the percentage of concreted in-field canals for the commune plan.</p> <p>2/ Minimizing greenhouse gas emissions: in animal husbandry, using biological padding, collecting cattle manure for composting, and using biogas. Do not burn straws in the field. Rice cultivation changed to SRI method.</p>

Objective	Meeting with communes on integration of CRAI into annual production plan 2022 for Na Ca and Hop 1 villages in Son La
Activity dates	<p>In Ban Lang commune, Phong Tho district: 13/12/2021</p> <p>In Binh Lu commune, Tam Duong district: 05/12/2021</p>
Participant details	<ul style="list-style-type: none"> - MB of VOF project in Lai Chau FU; - Representatives of district FUs; - Representatives commune PC, FU, agriculture officers; - LFs; - FRG of 02 villages.
Progress	<p>Assess the climate resilience of the communes by using the CRAI tool.</p> <p>Assess the potential of application of the tool for integration of CSA into commune development plans.</p>
Outputs created	The meeting agreed that the CRAI tool could be applied to assess the commune's ability to respond to climate change, which has a positive impact on the development of the commune's climate change response plan. Through this tool, the picture of responding to climate change is clearer, and the development of specific criteria is easy to assess.

Objective	Meeting with communes on integration of CRAI into annual production plan 2022 for Na Khai and Thin villages in Son La
Activity dates	11.2021
Participant details	<ul style="list-style-type: none"> - Son La FU. - Representatives of Yen Chau and Van Ho district PC. - LFs. - Representatives of Xuan Nha and Sap Vat commune PC. - Agriculture officers of Xuan Nha and Sap Vat commune. - FRGs of Na Khai and Thin village - LFs - Village leaders
Progress	<ul style="list-style-type: none"> - Meeting with communes to present basic survey results, and some CRAI indicators integrated into the 2022 commune development plan - Assessing climate change issues in the communes, introducing CRAI indicators for integration into agriculture plans in the communes, and providing guidance on how to use them to monitor and evaluate.
Outputs created	Organized 02 meetings to integrate CRAI into village and commune development plans and reports for 50 participants. Minutes of the meeting are provided.

Activity 1.2.4 Promote participation of communities (FRGs) in compiling annual agriculture production plan of the villages

Objective	Meeting with Binh Lu commune to discuss the conversion of an area to tea plantation
Activity dates	23/8/2020
Participant details	FRGs and active farmers in the village; Representative of PMU Lai Chau Farmers Union; Project facilitator and representatives from Binh Lu People's Committee, People's Committee, and commune land officials.
Progress	Organized a practical survey and held a village meeting to agree on the conversion of ineffective water-deficient maize area to tea cultivation in Pa An, Na Ca village.
Outputs created	Pa An area of Na Ca village has been identified as the conversion site in preparation for the meeting to introduce this area to tea cultivation in the socio-economic development plan of Binh Lu commune.

Objective	Meeting with Binh Lu commune to discuss the conversion of an area to tea plantation (second following meeting)
Activity dates	29/9/2020

Participant details	Representatives of PMU of Provincial Farmers Union; Representative of Tam Duong Tea Company; Representatives of the leaders of the commune People's Committee, agricultural land staff of Binh Lu commune; Project facilitator; 10 participants from the FRG;
Progress	Organized a dialogue to contribute ideas to develop production plans of the commune in order to bring the content of tea development in Pa An, Na Ca village
Outputs created	The representative of Binh Lu Commune People's Committee agreed to include the tea plantation area in Pa An, Na Ca village, Binh Lu commune, and the socio-economic development plan of Binh Lu commune.

Objective	Dialogue meeting on production plan in Na Ca village
Activity dates	05/10/2020
Participant details	MB of Lai Chau FU; LF; leader and officers of Bình Lư commune; FRG of Na Ca village; leaders of Nà Cà village; representatives from Tam Đường Tea Company.
Progress	Advocating to change ineffective corn plantation areas due to lack of water for tea cultivation
Outputs created	Binh Lu PC has submitted the proposal for crop conversion to Tam Duong PC, and Tam Duong PC agreed on the plan with support of the VOF project.

Objective	Meeting to discuss the conversion of ineffective short-term agricultural crops on sloping land to fruit tree planting under the agroforestry model in Thin village
Activity dates	Quarter IV/2020
Participant details	15 people from MB of Lai Chau FU; LF; leader and officers of Binh Lu commune; FRG of Na Ca village; leaders of Nà Cà village; representatives from Tam Đường Tea Company.
Progress	Conduct a site examination in Thin village for crop change (Xuân Nha commune, Van Ho distr., Son La)
Outputs created	Meeting minutes

Objective	Meeting for crop change in Thin village, Xuân Nha commune (Van Ho distr., Son La)
Activity dates	Quarter IV/2020
Participant details	MB of Son La FU; LF; leader and officers of Xuan Nha commune; FRG of Thin village; leaders of Thin village

Progress	Conduct a site examination in Thin village for crop change (Xuân Nha commune, Van Ho distr., Son La) Meeting to discuss the conversion of ineffective short-term agricultural crops on sloping land to fruit tree planting under the agroforestry model in Thin village
Outputs created	Meeting minutes

Objective	Meeting of FRG and village and commune leaders in Na Khai village (Sap Vat commune, Yen Chau distr., Son La)
Activity dates	Quarter IV/2020
Participant details	MB of Son La FU; LF; leader and officers of Sap Vat commune; FRG of Na Khai village; leaders of Na Khai village
Progress	To report and discuss on status of mango production and selling in the village.
Outputs created	Meeting minutes

Objective	FRG and Village Management Board hold a village meeting to encourage the community to participate in the annual agricultural production plan of the village and commune, to bring the issue of switching from free-range cows to captivity into the development plan of the Ban Thin village, Xuan Nha commune, Van Ho district, Son La
Activity dates	2.2021
Participant details	LF, 10 farmers of FRGs;
Progress	- To discuss the issue of switching from free-range cattle farming to captivity in the village and commune plans. - To incorporate ineffective short-term agricultural crops on sloping land to fruit trees under agroforestry models in the plans of villages and communes.
Outputs created	Minute of meeting

Objective	Incorporating the issue of the production cycle in the annual production plan of Na Khai village Incorporating the issue of conversion from free-range cows to captive farming in the commune's plan in Thin village
Activity dates	11.2021

Participant details	<ul style="list-style-type: none"> - Son La FU. - Yên Châu and Vân Hồ district FUs. - Representative of commune PC of Sap Vat and Xuân Nha. - Commune FU, agriculture officers of Sap Vat and Xuân Nha communes. - LFs - FRGs - Leaders of Na Khai and Thin village.
Progress	Organized 02 meetings to promote community participation (through FRGs as representatives) to incorporate into the villages' and communes' annual agricultural production plan for 40 participants.
Outputs created	<ul style="list-style-type: none"> - Organized meetings where the village leaders stated the plan to expand the cycle production model in the village with commune leaders, FRGs and contributed ideas and suggestions to the provincial FU to support LFs and FRGs in the implementation. - Summarize the number of households, the number of free-range cows, and the cases related to free-range cows through the data that the village has summarized in the meeting of the village management board, reflecting the situation of cow raising and the inevitable tendency to keep the cows in captivity.

Objective	FRG and the village Management Board hold a village meeting to encourage the community to participate in the annual agricultural production plan of the village and commune, to bring the issue of switching from free-range cows to captivity into the development plan of the Thin village, Xuan Nha commune, Van Ho district, Son La
Activity dates	2.2021
Participant details	LF, 10 farmers of FRGs;
Progress	<ul style="list-style-type: none"> - To discuss the issue of switching from free-range cattle farming to captivity in the village and commune plans. - To incorporate ineffective short-term agricultural crops on sloping land to fruit trees under agroforestry models in the plans of villages and communes.
Outputs created	Minute of meeting

Activity 1.2.5 Promote development of legal mechanisms for participation of villagers in agricultural village planning process, including monitoring and reporting

Objective	Develop a cooperative agreement to support the annual planning of the village and commune for four villages in Son La
Activity dates	Quarter III/2020

Participant details	LF, village and commune leaders, and FRGs for four villages of Thin, Na Khai, Na Si, and Phé A, Son La FU
Progress	Develop a cooperative agreement to support the annual planning of the village and commune between the adaptive farmer group and village leaders. Organizing the signing of a 3-partner cooperation agreement between village and commune leaders and FRGs for four villages of Thin, Na Khai, Na Si, and Phe A.
Outputs created	Four agreements signed

Objective	Cooperative agreement to support the annual planning of the village and commune for two villages in Lai Chau
Activity dates	Ban Lang commune on 5/7/2020; Binh Lu commune on 7/7/2020
Participant details	Representative of PPMU of Lai Chau Farmers Union; Representative of Party Committee leaders, People's Council, Commune People's Committee, Commune People's Committee; Village management board; Project facilitator; 10 representatives from FRGs
Progress	Organized a conference to sign a cooperation agreement between the FRGs and the village management board on the development of the village's annual plan, the village's regulations on the development of the participatory plan report
Outputs created	As a result, representatives of the FRGs and the village management board signed on the development of the annual village plan, regulations of the village on the development of the participatory plan report, witnessed by the local government.

Objective	Organized 02 village meetings on developing summer crop production plans for Na Ca village, Binh Lu commune, and Hop 1 village, Ban Lang commune in Lai Chau
Activity dates	Na Ca village, Binh Lu commune: 20/9/2021 Hop 1 village, Ban Lang commune: 28/9/2021
Participant details	- Lai Chau FU - Representatives of Binh Lu and Ban Lang communes - Lai Chau LFs - FRGs of Na Ca and Hop 1 villages.
Progress	Developed a summer-autumn crop production plan for Na Ca village, Binh Lu commune, and Hop 1 village, Ban Lang commune; The village management board and FRGs proposed the activities in the fourth quarter of 2021 to the project management board of Lai Chau FU for implementation.
Outputs created	The proposed plans are in the minutes of the meetings

Immediate objective 2: On 30 June 2022, six climate-smart agricultural villages for demonstration and advocacy purposes have been established in Son La and Lai Chau provinces and at least 70 % of the primary target group in the two provinces have increased their income with at least 40% from sale of certified agricultural products 5000 secondary beneficiaries benefit from the agricultural production improvements

Output 2.1. Climate friendly agriculture techniques and methods are applied by the majority of farmers in the target villages

Activity 2.1.1 Technical support to crop production systems in CRFC villages through FFSs for farmer interest groups

Objective	Rice cultivation SRI in Hop 1 village, Ban Lang commune, Phong Tho district
Activity dates	Quarter II/2020
Participant details	- Lai Chau FU, LF. - FRGs of Hop 1 villages.
Progress	Providing rice seed and biofertilizer
Outputs created	30kg of rice seeds and 3,250kg of biofertilizer Que Lam for 5 ha of sticky rice has been granted.

Objective	FFSs on rice cultivation in Lai Chau
Activity dates	- Training on SRI rice cultivation during the tillering period: July 31, 2020 - Training on rice cultivation SRI in flowering stage: August 20, 2020
Participant details	Participants had a basic knowledge of SRI rice cultivation to well implement the model in the future.
Progress	To provide basic knowledge on SRI rice cultivation in the phases of the model implementation to commune agricultural staff, commune People's Committee, farmer group members, and active farmers in Hop 1 village, Ban Lang commune.
Outputs created	Participants had a basic knowledge of SRI rice cultivation to well implement the model in the future.

Objective	Support the implementation of a safe tea production model according to European standards in Na Ca village
Activity dates	Quarter III/2020
Participant details	Participating households in the tea model: 64 households.

Progress	<p>Lai Chau FU sent technical staff to guide and supervise the households applying fertilizers, regularly appointing trainers and technicians to supervise tea care, especially pesticide use for tea protection.</p> <p>Project Management Board VOF Lai Chau sent qualified staff to inspect, supervise, and guide the implementation of the model once a month for three months. Facilitators perform inspection and supervision, and guide the implementation of the model 01 time/week for 03 months.</p>
Outputs created	Provide soil microbiological fertilizer 13,600kg of fertilizer was supplied to 12.6 ha of tea in Na Ca village,

Objective	Organize training on mango protection techniques for agroforestry and SRI rice transplanting in Thin village, Xuan Nha; Na Khai village, Sat Vat commune; Na Si village, Hat Lot commune. Son La
Activity dates	3.2021
Participant details	<p>- 03 LFs;</p> <p>- 30 farmers of FRGs;</p>
Progress	<p>+ FFS training and support to agroforestry mango model for farmers in Na Khai village.</p> <p>+ Technical training courses on care and protection of mango models under agroforestry for farmers in Thin village.</p> <p>+ Technical training on SRI rice transplantation for farmers in the area of Na Khai and Sap Vap villages</p> <p>+ Organize repeating training SRI rice cultivation techniques for farmers in Na Si village, Hat Lot commune.</p>
Outputs created	<p>+ Na Khai village planted local round mango varieties with an area of 4.7ha, and 10 households participated in the implementation. Up to now, mango orchards of households are developing well.</p> <p>+ Ban Thin cultivates Taiwanese mango varieties with an area of 8.2 hectares, and 10 households participated in the implementation. Up to now, the mango orchards of households have developed well.</p> <p>+ Na Khai and Sap Vat villages planted non-glutinous rice varieties HT10 with an area of 1.7 ha, and 10 households participated in the implementation. Up to now, the households' rice fields are growing and developing well.</p> <p>+ Na Si village, Hat Lot commune cultivates Cai Hoa Vang glutinous rice variety with an area of 2.75ha, and 10 households participate in the implementation. Up to now, the households' rice fields are growing and developing well.</p>

Objective	Support 02 households to establish an agroforestry model with Mango, Mac Khen, and intercropped pineapple in Thin village (Van Ho, Son La)
Activity dates	14/7/2021
Participant details	02 households in Thin village (Mui Van Xuan, Quang Van Toan)

Progress	Purchased and handed over to the FRG in Thin village 700 grafted mango trees, 10,000 pineapple cuttings, and 100 Mac Khen seedlings.
Outputs created	The 2 households have actively completed (with an area of about 2 hectares) the model as designed by the trainer.

Objective	Support 02 households to set up an economical watering system for Mango plantation on slope land in Na Khai village (Yen Chau, Son La)
Activity dates	7- 8/8/2021
Participant details	PanNature project officers, a Northwest University teacher and two households in Na Si village (Mai Son, Son La)
Progress	<p>PanNature field staff and lecturers from North western University continued to support Quang Thi Giang's household in assembling the watering model. At the same time, the model of economical watering points for mangoes (watering close to the root) was implemented in Mr. Ha Van Phiu's household. Mr. Ha Van Phiu is also one of 2 students who participated in technical training on building an economical watering model in Na Khai village (Sap Vat, Yen Chau).</p> <p>During August and September, PanNature staff continued to provide technical advice on assembling and operating the model for 02 pilot households.</p>
Outputs created	The model has been completed by 60%. The households also actively carried out the remaining work, completing and put into operation the economical watering model for mango.

Objective	Check the tea plantation of the 9.2 ha conversion model from inefficient maize cultivation to tea growing, additional planting to replace dead seedlings.
Activity dates	28/8/2021
Participant details	FRG of Na Ca village (Tam Duong, Lai Chau)
Progress	Supplementary planting instead of dead seedlings to ensure plantation density for the whole tea area of 9,2 ha of the crop conversion mode.
Outputs created	Provided 3,500 tea seedlings of Shan variety. By the time of reporting, the model was implemented in accordance with the technical procedure. The tea trees grew well, ensured the density and planting distance, and were regularly supervised by Lai Chau PMU. Local authorities highly appreciate the effectiveness of the project's investment and support.

Objective	Organize a training workshop on SRI improved rice cultivation for FRG in Hop 1 village (Ban Lang, PhongTho, Lai Chau)
Activity dates	15/7/2021

Participant details	<ul style="list-style-type: none"> - PMU of Lai Chau FU; - Commune's chairman and agriculture officers; - LF in Ban Lang commune; - 38 households of Hop 1 village.
Progress	Trained agricultural extension officers, project facilitators, and households implementing SRI improved rice farming model in Ban Lang commune on rice care at tillering, flowering, and pest control.
Outputs created	1-day training conducted on the subject of SRI cultivation

Objective	Organize training on mango protection techniques for agroforestry and SRI rice transplanting in Thin village, Xuan Nha; Na Khai village, Sat Vat commune; Na Si village, Hat Lot commune. Son La
Activity dates	3.2021
Participant details	<ul style="list-style-type: none"> - 03 LFs; - 30 farmers of FRGs;
Progress	<ul style="list-style-type: none"> + FFS training and support to agroforestry model of mango for farmers in Na Khai village. + Technical training courses on care and protection of mango models under agroforestry for farmers in Thin village. + Technical training on SRI rice transplantation for farmers in the area of Na Khai and Sap Vap villages + Organize repeating training SRI rice cultivation techniques for farmers in Na Si village, Hat Lot commune.
Outputs created	<ul style="list-style-type: none"> + Na Khai village planted local round mango varieties with an area of 4.7ha and 10 households participated in the implementation. Up to now, mango orchards of households are developing well. + Ban Thin cultivates Taiwanese mango varieties with an area of 8.2 ha and 10 households participate in the implementation. Up to now, the mango orchards of households have developed well. + Na Khai and Sap Vat villages planted non-glutinous rice varieties HT10 with an area of 1.7 ha and 10 households participated in the implementation. Up to now, the households' rice fields are growing and developing well. + Na Si village, Hat Lot commune cultivates Cai Hoa Vang glutinous rice variety with an area of 2.75ha and 10 households participate in the implementation. Up to now, the households' rice fields are growing and developing well.

Activity 2.1.2 Technical support to animal raising and fishery in CRFC villages through FFSs for farmer interest groups.

Objective	Support chicken raising for 2 target groups of village farmers in Lai Chau.
Activity dates	31/5/2020

Participant details	Lai Chau FU; LFs; 1 household of FRG.
Progress	<p>Provided small chickens, chicken food in the first month and stock materials for one pilot household for a commercial chicken model using biological pads</p> <p>Lai Chau FU has sent technical staff and facilitators to come and check and provide pesticides for chickens.</p>
Outputs created	100 small chickens and chicken food

Objective	FFS on chicken breeding and treatment techniques for chickens in Hop 1 village
Activity dates	17/6/2020
Participant details	Representatives of PPMU of Lai Chau Farmers Union; Representatives of communal People's Committee, commune agricultural advisors; Local facilitator; 10 participants from the FRG; 10 active farmers of Hop 1 village, Ban Lang commune
Progress	Equip FRG members, active farmers in Hop 1 village, Ban Lang commune, about techniques of raising chickens from 30 days old to sell.
Outputs created	Trainees have basic knowledge of chicken breeding techniques from 30 days old to selling and can apply in practice.

Objective	Improving cattle breeds for livestock in Phe A village, Tong Co, Thuan Chau
Activity dates	6.2022
Participant details	FRG of Phe A village Son La FU
Progress	According to the proposal
Outputs created	01 bull of Brahman breed purchased

Objective	Organize a workshop to train chicken farming techniques for two target groups of village farmers in Lai Chau.
Activity dates	Nà Cà village, Bình Lư commune: 09/3/2021 Hợp 1 village, Bản Lang commune: 12/3/2021
Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - LFs; - 10 farmers of Nà Cà FRG, - 10 farmers of Hợp 1 FRG.
Progress	Equip knowledge for the FRGs of 2 target villages on chicken raising to prepare for the implementation of the supporting project model.

Outputs created	Two groups of farmers basically grasp the chicken raising processing, assign group members to implement the model.
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Objective	Supporting Phe A village with cement and Pro cement sheet to relocate barns away from home. Tong Co commune, Thuan Chau district, Son La
Activity dates	1.2021
Participant details	- LF; - 10 Phe A village farmers of FRG;
Progress	Supported by the project for 10 members of Phe A village's FRG: cement = 6.2 tons and cement Pro roof = 620 slabs to move the barn away from home. Up to now, the village farmer group has completed 10/10 households leaving the barn from the house floor, reaching 100% of the plan.
Outputs created	The movement of cattle sheds away from home, in Tong Co commune has helped people change their awareness, breeding methods, and do not let livestock freely, contributing to the implementation of the national target program on hunger elimination, poverty reduction, new rural construction of villages and communes.

Objective	Support for building clean livestock barns for 03 households in Na Ca village (Lai Chau)
Activity dates	Quarter IV/2021
Participant details	03 households of Na Ca FRG
Progress	Deploying to build 03 clean pig barns for 03 households of FRG in Na Ca village,
Outputs created	By the time the report has been completed and put into use, the objectives of the funding initiative have been met.

Objective	Organize a workshop to train chicken farming techniques for two target groups of village farmers in Lai Chau.
Activity dates	Nà Cà village, Bình Lư commune: 09/3/2021 Hợp 1 village, Bản Lang commune: 12/3/2021
Participant details	- Lai Chau FU; - LFs; - 10 farmers of Na Ca FRG, - 10 farmers of Hop 1 FRG.
Progress	Equip knowledge for the FRGs of 2 target villages on chicken raising to prepare for the implementation of the supporting project model.

Outputs created	Two groups of farmers basically grasp the chicken raising process, assign group members to implement the model.
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Activity 2.1.3 Mobilize community contributions for improvement of CSA production facilities in the villages.

Objective	Increase value and stabilize output for agricultural products through product drying
Activity dates	Quarter II/2022
Participant details	FRG of Thin village, Xuan Nha, Van Ho, Son La. Son La FU
Progress	The project supports the purchase of one VD-TSCN30 fruit dryer made in Vietnam with a capacity of 1.5 tons/day. The machine uses electricity and follows hot drying technology to ensure that it can dry a variety of fruits, including mango and longan; drying 30% of mango output and longan of the whole commune is dealt with in a sustainable way.
Outputs created	01 fruit dryer VD-TSCN30 purchased and established in the village

Objective	Improve irrigation for sustainable fruit plantation on slopes
Activity dates	Quarter II/2022
Participant details	FRG of Na Khai village, Sap Vat, Yen Chau. Son La FU
Progress	The project supported the purchase of 4 tanks with a capacity of 3m ³ built and used to irrigate 9 hectares of mangoes; supported to reduce 30% of labor by not having to carry water for irrigation and increase crop productivity by 20% in arid areas with tanks; Serving for irrigation and care of 9 hectares of mangoes on sloping land of 10 households in the group and neighboring households.
Outputs created	04 tanks of 3m ³ built in the commune

Objective	Application of multifunctional cultivator for sustainable rice cultivation in Na Si village, Hat Lot commune, Mai Son district, Son La
Activity dates	6.2022
Participant details	FRG of Na Si village, Hat Lot commune, Mai Son district, Son La Son La FU
Progress	The project supports the purchase of 01 diesel-powered multi-purpose cultivator (THD) DIESEDNGINE; Greening 20 - 25ha of bare hilly land with perennial fruit trees. Increase the economic efficiency of crops by 20% (Mango, rice), reduce 50% of households using herbicides in the whole village and earn about 18 - 20 million VND in profit from service every year (Excluding expenses). Gasoline, operator, wear and repair machine). This amount will be used for 70% of the group's funds and 30% for general community activities.

Outputs created	01 multifunctional cultivator(THD) DIESEDNGINE purchased
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Objective	Promote weed control by grass generator for Phe A village
Activity dates	Quarter II/2022
Participant details	FRG of Phe A village, Tong Co, Thuan Châu. Son La FU
Progress	The project supports the purchase of 04 fuel-efficient MARUYAMA NE420 MADE IN JAPAN hand-held lawn generators with a capacity of 1.85KW; Reduce 70% of labor, increase crop productivity by 30% and reduce 100% of herbicides used on crops in 10 households of the group.
Outputs created	04 generators MARUYAMA NE420provided

Objective	Expand SRI model for sticky rice in Hop 1 village, Ban Lang commune, Lai Chau
Activity dates	From 4-10. 2021
Participant details	38 households of Hop 1 village
Progress	Technical guidance, seed support to expand sticky rice cultivation from 5 ha to 30 ha in Hop 1 village
Outputs created	30 ha of sticky rice cultivated following SRI techniques

Activity 2.1.4Assessment (field survey) of CRFC and CRAI for documentation and upscaling

Objective	Model assessment and documentation in Lai Chau
Activity dates	20/6 – 1/7/2022
Participant details	PanNature project staff Lai Chau FU FRGs of Hop 1 (Ban Lang, Phong Tho) and Na Ca (Binh Lu, Tam Duong) villages
Progress	Conducted in-depth interviews with commune leaders in charge of agriculture, village leaders, households directly participating in the project models, households learning by themselves and replicating the project model and some other households in the village. Also interviewed Lai Chau FU on the achieved results and impacts of the project
Outputs created	Assessment report compiled.

Objective	Model assessment and documentation in Son La
Activity dates	29/5 – 1/6/2022

Participant details	PanNature project staff FRGs of Phe A (Tong Co, Thuan Chau), Na Si (Hat Lot, Mai Son), Na Khai (Sap Vat, Yen Chau), Thin (Xuan Nha, Van Ho).
Progress	Conducted in-depth interviews with commune leaders in charge of agriculture, village leaders, households directly participating in the project models, households learning by themselves and replicating the project model and some other households in the village. Also interviewed Son La FU on the achieved results and impacts of the project
Outputs created	Assessment report compiled.

Objective	Collect information about the models in the target villages: Na Ca village and Hop one village (Lai Chau)
Activity dates	28-30/6/2021
Participant details	Communication officer, Project Coordinator, ADDA driver, Lai Chau LFs, 2 FRGs in Lai Chau
Progress	On June 29, Lai Chau FU held a workshop on integrating CRAI into the commune plan and visited the results of the tea model in Na Ca village. On June 30, the team visited op one village (Ban Lang commune, Phong Tho district, Lai Chau) to interview LF, Heads, and Deputy Heads FRG and collect visual materials about the activities of the group in the village.
Outputs created	Information collected for writing change stories for Na Ca and Hop one village

Objective	Assessment of CSA for documentation in Son La (Yen Chau, Thuan Chau)
Activity dates	22-25/1/2021
Participant details	Head of Communication Department of PanNature VOF project Assistant VOF Communication Officer

Progress	<p>Thuan Chau district: On 23/1/2021, in conjunction with the training on cow raising and agroforestry organized by the Son La FU in Phé A village, Tong Co commune, Thuan Chau district, the team met and interviewed with Mr. Lo Van Hong, VOF Project Management Unit in Son La, Mr. Lo Van Quyen, facilitator at Phé A village, and 02 members of Phé A FRG to discuss the real process, show project models locally. At the same time, the delegation also visited households raising cows with partial funding and technical training provided by the project.</p> <p>On 24/1/2021, with the guidance of Ms. Quàng Thị Hậu, facilitator of Na Khai village, Sat Vat commune, Yen Chau district, the delegation visited the mango-grass intercropping model, visiting old mango trees - the first source for Yen Chau mango variety, as well as collecting data from local cow raising models. The delegation also had exchanges and interviews with 04 farmers, including the leader of FRG in Na Khai village.</p> <p>Van Ho district: On 25/1/2021, with the guidance of Mr. Khuat Huu Duong, a facilitator in Thin village, Xuan Nha commune, Van Ho district, the delegation visited farmer households - members of FRG, local people adapt and learned about the process of implementing the project models here.</p>
Outputs created	The collected media materials included interviews with 07 farmers, 03 trainers and 01 Farmer Union staff member of the VOF Project Management Board, together with outdoor scenes and scenes for the event filmmaking activities in Son La. In addition, the above materials will be exploited to develop the project's other communication products such as change stories, policy summaries...

Objective	Assessment of CSA for documentation in Son La (Van Ho, Mai Son)
Activity dates	08-12/3/2021
Participant details	PanNature Executive Director VOF Project Coordinator VOF Project Officer VOF Project Assisstant VOF Communication Officer

Progress	<p>On 9/3/2021, the VOF project team of PanNature held a meeting to discuss the implementation plan of the VOF project in 2021 and the orientation to build communication products at Van Ho field office.</p> <p>On the morning of 10/3/2021, the project team came to investigate and evaluate the adaptive agricultural model in the village. In the afternoon of the same day, the group continued to hold a meeting at Van Ho Field Office to develop communication products for adaptive agricultural villages.</p> <p>On 11/3/2021, the project team moved to Na Si village (Hat Lot commune, Mai Son district), and met and interviewed Mr. Lo Van Binh, facilitator in Na Si village, and 04 members of the agricultural group. People are adapting Na Si village to exchange about the implementation of local project models. At the same time, the delegation also visited the rice cultivation model using the SRI technique and agroforestry model deployed in the village.</p>
Outputs created	At the end of the trip, the media gathered included interviews with 05 farmers and facilitators and scene scenes and scenes for filmmaking activities in Son La. In addition, the above materials will be exploited to develop the project's other communication products, such as change stories, and policy summaries.

Activity 2.1.5 Documentation of learning and experiences on CRFC.

Objective	Compile the 3rd policy brief: Development for mango production in Son La
Activity dates	Quarter II/2022
Participant details	Nguyễn Hồng Nhung, Phan Văn Thang, Nguyễn Đức Thọ (PanNature)
Progress	The brief analyses the context and current status of mango production in Son La province and make recommendations to build a more sustainable and quality development path for mango products. Targeted audience: experts and policymakers at provincial and national levels
Outputs created	12 pages of the policy brief have been compiled, printed, and distributed.

Objective	Video record for project models in Son La
Activity dates	05-08/07/2021
Participant details	Communication officers, project assistant, LFs, Son La FU, Son La FRGs

Progress	<p>On July 5, the team visited the branch of Dong Giao DOVECO Food Export Joint Stock Company in Son La. Here, the recording team interviewed Mr. Nguyen Thanh Tung - Deputy General Director of the Company and Director of Son La Branch in order to have more voices from the business side in the project film.</p> <p>On July 6, the team interviewed the representatives of Na Khai FRG, and recorded the outside of the mango and SRI rice growing model in the village. The Communication Officer also recorded the scene of FRG meeting to use for the film.</p> <p>On 7 July, the Team met and interviewed representatives of the People's Committee of Sap Vat Commune to get more views from the local government. The group also met and interviewed a representative of Xuan Tien Cooperative - a unit that cooperates with the Na Khai FRG to buy round mangoes in the area and at the same time, recorded the outdoor scene at the cooperative. On the same day, the Communications Officer collected more documents, photos, and videos on the occasion of the launching event of the Association of Professional Farmers in Na Khai.</p> <p>On July 8, the Communication Officer recorded interviews with 02 representatives of the Thin FRG, recorded the outline of the models supported by the project in the village and the scene of the FFS on growing mango and pineapple.</p>
Outputs created	The film was released in quarter III/2021, broadcast on the media channels of PanNature, ADDA and Son La FU, and also screened at the Project's seminars and workshops, and promoted at other events on agriculture to respond to climate change.

Objective	Completing the English version of the policy brief: Climate Responsive Villages: When farmers play a central role
Activity dates	Quarter IV/2021
Participant details	Communication officer
Progress	Completed translation from Vietnamese into English, editing translation and designing the printing materials: "Farmers as the Heart of Climate-Resilient Villages: A Case Study in the Northwestern Mountains of Vietnam"
Outputs created	<p>Online publication at: https://www.nature.org.vn/en/2021/10/farmers-as-the-heart-of-climate-resilient-villages/</p> <p>300 printed copies, part of this was sent to ADDA and other INGOs in Vietnam</p>

Objective	Compile the policy brief No. 3 on Mango production in Son La province
Activity dates	Quarter III/2021

Participant details	Communication officer, Project Officer
Progress	Draft a policy brief on the current production status and remaining problems in mango production in Son La, thereby suggesting the way of farmers' change and the coordination of local authorities for mango products.
Outputs created	The policy brief was printed in 600 copies and distributed

Activity 2.1.6 Training for FRGs on cooperative, business plan and marketing

Objective	Training for FRGs on cooperative, business plan and marketing
Activity dates	Son La FU: Venue: Van Ho. Module 1 on 2-4/12/2020 and Module 2 in QI 2021. Lai Chau FU: Venue: Tam Duong. Module 1 on 19-21/12/2020 and Module 2 on 19-20/12/2020.
Participant details	The participants in Lai Chau were FRG members and local facilitators (LFs) from Na Ca village, Tam Duong district, Hợp 1 village, Phong Tho district and Phe A village, ThuậnChâu district, Son La province. In total 32 group members, the project management unit and Mr. Mua A Tru – Chairman of Lai Chau FU cum VOF Project Director. The participants in Son La were members of 3 FRGs from Na Khai village (Sap Vat commune, Yen Chau district), Thin village (Xuan Nha commune, Van Ho district) and Na Si village (Hat Lot commune, Mai Son district).
Progress	The consultants are connected to Hanoi Plant Protection Department. Based on pedagogical considerations and participants' schedules the training was divided into two modules of three and two days, respectively. The training course was designed to enable farmers to learn and improve their knowledge of business planning and marketing for green/climate-friendly production. The topics were among others: Formulation of production and business plans, financial planning, market assessment, budgeting, expenditure and revenue estimation etc. Two lecturers were experienced trainers of FAO projects and formers staffs of Hanoi Plant Protection Department. During the training course, trainees were trained in setting up short term and long term business plans, preparing detailed financial plans including details on equity capitals, loans, fix assets and liquid assets, etc. Trainees have also received introduction to cooperative organization.

Outputs created	<p>The training helped participants grasp the knowledge and got the lesson on operating and managing their groups better. The trainees completed more difficult exercises and saw good results of group participation as well as revenue and benefits higher than to the climate change adaptation method and techniques that help FRGs in target villages through project activities.</p> <p>At the training course, trainees also shared to each other what they have learned and experiences on effective and successful project models which the groups implemented. Sharing experiences and results of useful development models is a good method for spreading models among villagers as well as promoting models among local authorities to support model replication.</p>
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Objective	Organized a training courses for 03 FRGs of Son La province on cooperatives, business planning and marketing.
Activity dates	1.2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 03 LFs; - 30 farmers of FRGs;
Progress	Help the LFs and FRGs organize the establishment of models of cooperative groups and cooperatives on production, husbandry and business that are suitable to the capabilities and conditions of each group of farmers; through activities of cooperative groups and cooperatives, members of farmer groups have conditions to access and apply science and technology, to market; exchange, share benefits at work, strengthen relationships between villages, communities...
Outputs created	FRG members gain knowledge about cooperatives, business plan formulation and marketing.

Objective	Organized training courses for 03 FRGs of Son La province on cooperatives, business planning and marketing.
Activity dates	1.2021
Participant details	<ul style="list-style-type: none"> - Son La FU; - 03 LFs; - 30 farmers of FRGs;
Progress	Help the LFs and FRGs to organize the establishment of models of cooperative groups and cooperatives on production, husbandry and business that are suitable to the capabilities and conditions of each group of farmers; through activities of cooperative groups and cooperatives, members of farmer groups have conditions to access and apply science and technology, to market; exchange, share benefits at work, strengthen relationships between villages, communities...
Outputs created	FRG members gain knowledge about cooperatives, business plan formulation and marketing.

Output 2.2. Agricultural inputs for the application of CSA available and options for market access at hand

Activity 2.2.1 Enhance capacity of PanNature project staff through participation in training and workshops on CSA and community engagement.

Objective	Consultation on marketing research in Son La
Activity dates	15 – 18/4/2021
Participant details	2 trainers from Uncle Tom stores 2 PanNature staff 1 Son La FU 4 LF's of Son La 5 farmers of FRG in Thín village.
Progress	<p>The training was conducted by two experts of the system of Uncle Tom stores, with practical experience as well as very good teaching skills, lessons combined with games, role-play and practical practice, so attracted the attention of the participants to learn.</p> <p>Participants learned key points in market research for local agricultural products on how to view business and market concepts, customer segments, respondents to survey, methods and interviewing skills, and how to synthesize information and present results.</p> <p>Participants also raised awareness of the importance and practical value of clean agriculture, safe or organic orientation, climate change response, thereby discovering the potential of the village in shifting cultivation towards biased agriculture, linking in the supply chain.</p>
Outputs created	Detailed report on training results provided by trainers: <ul style="list-style-type: none"> - Training material - Training report

Activity 2.2.2 Conduct production and value chain analysis for target villages for 2-3 key agriculture products of each village in relation to CC context

Objective	Travel for additional information collection and supporting evaluation mission
Activity dates	18 – 22/8/2022
Participant details	PanNature's project officer, two consultants, participants from 4 villages of Son La
Progress	PanNature's project staff accompanied independent consultants in the final evaluation of the project in Son La
Outputs created	Information collected for Policy brief four and final project workshop

Objective	Consultation on marketing research in Lai Chau
Activity dates	7 – 12/7/2021
Participant details	2 trainers from Uncle Tom stores 1 PanNature staff 1 Lai Chau FU 2 LFs of Lai Chau 7 farmers of FRG in Na Ca village 2 farmers of FRG in Hop 1 village.
Progress	The training was conducted by 2 experts from the system of Uncle Tom stores, with practical experience as well as very good teaching skills; lessons combined with games, role-play, and practical practice, so attracted the attention of the participants to learn. Participants learned key points in market research for local agricultural products on how to view business and market concepts, customer segments, respondents to survey, methods and interviewing skills, how to synthesize information and present results. Participants are also raised awareness of the importance and practical value of clean agriculture, safe or organic orientation, climate change response, thereby discovering the potential of the village in shifting cultivation towards biased agriculture, linking in the supply chain.
Outputs created	Detailed report on training results provided by trainers, which is giving a recommendation for the development of value chains for tea production in Na Ca village and sticky rice in Hop 1 village. Training material

Objective	Quick assessment of value chain of key agriculture products in Lai Châu and Sơn La.
Activity dates	2 – 6/12/2019 in Lai Châu and 23–31/12/2019 in Sơn La
Participant details	The assessment team included PanNature staff, project officers of management boards of provincial Farmer Unions BQL, LFs, and ADDA officers.
Progress	Value chain analysis for Tea in Tam Đường; Sticky rice in Phong Thổ; Chicken raising in Tam Đường and Phong Thổ; Mango and Longan in Mai Sơn; Local Mango in Yên Châu; Coffee and Cow in Thuận Châu; Mango in Vân Hồ, Sơn La
Outputs created	Summary report on value chains of agro-products for six sites

Activity 2.2.3 Support initiatives on piloting CSA techniques, development of partnerships, consultation

Objective	Organize training to develop smart agriculture initiatives in the village and financial management
Activity dates	in Lai Chau on 10-11/9/2020 in Sơn La from 17-18/9/2020

Participant details	In Lai Chau: Lai Chau FU: 03; ADDA office staff: 03; Pannature: 02; Project facilitator: 02; Representatives of FRG in Na Ca village, Hop 1 village, each village: 10. In Son La: PanNature, ADDA, Son La FU, Facilitators of 04 target communes, fourmembers of each FRG.
Progress	Participants knew how to develop proposals for production support and at the same time, communicated with other members to build initiatives on smart agricultural models. Discuss the impacts on sustainable agricultural production, opportunities for value chain agricultural production and business, and especially discuss and contribute ideas to develop a plan to implement sustainable agricultural models in the village.
Outputs created	Participants basically know the skills of project construction and small grant management.

Objective	Purchase 02 Van Lang rice transplanters with four rows for planting in Na Khai village, Yen Chau (Son La)
Activity dates	Completed in 4.2022
Participant details	The project supports the purchase of 02 Van Lang rice transplanters with four rows. Product code MCL4H, petrol engine4.5HP(13 minutes/1000m ²); Serving to transplant 5ha of fields of 10 households in the group and 50 farmer households in the village and other villages with an area of 20ha; 100% of households in the village transplanted according to the effect of line and border in SRI rice transplanting technique.
Progress	According to the approved proposal
Outputs created	2 rice transplantersMCL4Hpurchased

Objective	Purchase 01 Van Lang transplanter with four rows to serve to replicate the rice transplanting model according to SRI in Na Si village
Activity dates	Completed in 4.2022
Participant details	Serving to replicate the rice transplanting model according to SRI for 4ha of fields of 10 households in the FRG and serving for 15ha of rice of households in Na Si village, Hat Lot commune, Mai Son district. Son La FU.
Progress	The project supports the purchase of 01 Van Lang rice machine with four rows. Product code MCL4H. 4.5HP engine (13 minutes/pole); server transplants 4ha of fields of 10 households in the group and services for 25ha of rice of households in the village as well as neighboring areas; 100% of households in the commodity effect print, goods in SRI rice transplanting technique.
Outputs created	01 Van Lang transplanterMCL4Hpurchased.

Objective	Purchase 5 tillers, distribute weeds to serve for tilling and weeding around fruit trees in Thin village
Activity dates	Completed in 4.2022
Participant details	10 members of FRG in the Thin village with more than 15ha of fruit trees and 55ha of fruit trees from other households in Thin village, Xuan Nha commune, Van Ho district. Son La FU
Progress	The project supports the purchase of 05 generators, cultivators, hand-held lawn mowers Honda GX35 multi-function lawn mowing, plowing, weeding, and tilling. (Including: Lawn generator, lawn mower blade, tiller head and universal lawn charger); Reduce 70% of labor, increase crop productivity by 30%; Reduce 100% of herbicides used on crops in 10 households of the group.
Outputs created	Five cultivators Honda GX35 purchased.

Objective	Purchase 03 2-door fresh coffee peelers with a capacity of 5-7 quintals/hour to peel fresh coffee berries in Phe A village
Activity dates	Completed in 4.2022
Participant details	Members of FRG and all other households of Phé A village, Tông Cọ commune, Thuận Châu district. Son La FU
Progress	The project supports the purchase of 03 2-door fresh coffee peeling machines with a capacity of 5-7 quintals/h; Utilize 80% of coffee husks to make organic fertilizer, reduce 100% of waste water from soaking coffee beans; Increase the value of coffee products by 30%.
Outputs created	03 coffee peelers provided

Objective	Implementation of the initiative of making a road into tea fields in Na Ca village, Binh Lu commune, Tam Duong district Lai Chau
Activity dates	2.2021
Participant details	Members of Nà Cà village
Progress	Support Na Ca village, Binh Lu commune to build a road into tea fields to support the production and transportation of agricultural products.
Outputs created	Encourage farmers to make ground, donate land, and construct concrete cones into the tea fields with the length of 250 meters, concrete thickness: 10cm, and road surface width of 1 meter.

Objective	Support farmers in Na Ca village (Tam Duong, Lai Chau) to convert 9.2ha from inefficient maize cultivation to tea plantations.
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Activity dates	10/8/2021
Participant details	38 farmers of Na Ca village
Progress	Delivered Shan tea variety seedlings to farmers in Na Ca village for converting 9.2ha inefficient maize to tea cultivation.
Outputs created	Plantation on 9,2ha with 68,258 tea seedlings of Shan variety.

Objective	Renovating mixed garden in Na Ca village (Tam Duong, Lai Chau)
Activity dates	Quarter IV 2021
Participant details	Three households in Nà Cà village FRG
Progress	Cleaning, setting up a fence around the garden, hoeing the garden
Outputs created	Renovated mixed garden of 3 households

Objective	Selecting and handling package and printing rollers to Tay Bac Co., Ltd. to promote the brand of sticky rice in Ban Lang commune (Phong Tho, Lai Chau)
Activity dates	Quarter IV/2021
Participant details	FFRG of Hop 1 village, Northwest agriculture material and seed Company
Progress	Design and prepare the package rollers
Outputs created	Design of package and rollers provided

Objective	Converting the area of barren hills and inefficient short-term agricultural crops on sloping land to growing lychee under the agro-forestry model in Thin village, Xuan Nha commune, Van Ho district
Activity dates	8.2021
Participant details	10 households of FRG of Thin village
Progress	The project supports 1,500 litchee trees for 10 members of FRG to grow according to the agro-forestry model in 05 hectares of sloping land. That helps to overcome the lack of irrigation water due to drought, protect the soil, and prevent erosion.
Outputs created	The Provincial Farmers' Association project management board came down to check the planting result. Up to now, 10/10 households have planted and their trees are growing and developing well.

Objective	Provide a multi-purpose cultivator to improve land in a sustainable way Na Khai village (Yen Chau, Son La)
Activity dates	8.2021
Participant details	10 households of FRG
Progress	The project supports 05 multi-purpose cultivators of Kama 173F brand, working capacity $m^2/h \geq 600$, assigned to 02 households of FRG to serve the production of 12.8 hectares of rice field, taking care of 20 hectares of fruit trees (including 4.7 hectares of fruit trees supported by the project).
Outputs created	The cultivators have been put into use and are in good working order.

Objective	Provide brush cutter for grass cleaning, and soil improvement in a sustainable way in Na Si village (Mai Son, Son La).
Activity dates	8.2021
Participant details	10 households of the FRG
Progress	Purchased 10 brush cutter of Husqvarna brand, with a capacity of 1.5kw for 10 members of the FRG, to clean weeds for more than 20 hectares of fruit trees and to harvest 15 hectares of rice fields.
Outputs created	10 brush cutters have been put into use and are in good working order.

Objective	Support goat raising to take advantage of food sources grown in flooded rice fields in Phe A village (Thuan Chau, Son La)
Activity dates	8.2021
Participant details	Son La FU, LF, FRG of Phe A village
Progress	Provided 30 male goats of indigenous breed, weighing from 10 - 15kg/head, for 10 households of FRG.
Outputs created	The FRG assigns the goat raising to 01 main households: To take main responsibility for daily feeding of goats, daily cleaning of stables for goats, treatment of manure from goats by organic composting; The remaining 08 households: Each day, 01 household is assigned to work with the main household to take care of goats.

Activity 2.2.4 Support linkage to agriculture material suppliers and promote establishment of local dealers (may be from village pioneer farming groups) for CSA input supplies

Objective	Meeting with suppliers in Lai Chau
Activity dates	In Hop on 11/7/2020; in Na Ca on 13/7/2020

Participant details	30 delegates/ commune (Representative of PMU of Lai Chau Farmers Union; Representative of CPC leaders, 01 commune extension officer; Representative of agricultural material supply agents; Local facilitators; 10 participants in FRG; 10 active farmers in the village
Progress	Organized 02 meetings between farmers, villagers, and a number of companies, and stores supplying agricultural materials, especially materials for clean and organic production.
Outputs created	Minutes of meeting

Objective	Purchase display racks for an exhibition of OCOP products at showroom of the Farmers Support Center in Lai Chau
Activity dates	May 2022
Participant details	Lai Chau FU
Progress	
Outputs created	Display rack-shave been purchased and established in the showroom of the Farmers Support Center in Lai Chau

Objective	Organizing networking conferences, introducing OCOP products of Lai Chau province, and guiding branding for agricultural products.
Objective	28/11/2021
Activity dates	<ul style="list-style-type: none"> - Lai Chau FU; - Representatives of Lai Chau DARD; - Representatives of companies, cooperatives, and households in Lai Chau having OCOP products; - LFs; - 02 FRGs of Nhà Cà and Hợp 1 village.
Participant details	Connecting, introducing OCOP products and guiding branding for agricultural products in the province to contribute to promoting the province's program of one OCOP product per commune, at the same time promoting trade and expanding markets; building points to introduce and sell OCOP products in districts in the province; promote communication activities, promotion, image and brand building in order to promote consumption, promote agricultural production, rural industrial products, develop craft villages to create space, a favorable environment to connect producers and distributors..
Progress	Participants were provided with information about the market, especially the agricultural product market, how to build brands for agricultural products and raise the value of agricultural products. Connect and strengthen cooperation between enterprises, cooperatives, and production associations on production materials, link to create output for products, ways to promote and bring agricultural products to the market.

Objective	Support linkage to agriculture material suppliers and promote the establishment of local dealers for CSA input supplies in Son La
Activity dates	12.2021
Participant details	FRGs of Thin, Na Khai, Na Si, Phe A villages in Son La
Progress	Provide fruit covering bag and organic fertilizers for FRGs in Thin village, Na Khai village, Na Si village: Support composting ferments for livestock waste and bags for composting and bio-ferments for FRG in Phe A village
Outputs created	15.000 fruit cover bags and 3.000kg organic fertilizers 100 packs of composting ferments 60 bags for composting and bio-ferments

Activity 2.2.5 Support market access for key agriculture products through the establishment of collaboration and agreements between FRGs and buyers/dealers.

Objective	Support FRGs to participate in the national Fruit Festival in Son La
Activity dates	28/5- 01/6/2022
Participant details	20 participants: <ul style="list-style-type: none"> - Son La, Lai Chau FU - PanNature - 6 FRGs
Progress	The Project Management Board of the Son La Farmers' Association in collaboration with ADDA and PanNature registered 01 displaying a booth at the Festival to introduce and promote the agricultural products of the VOF Project as well as the project's deployment model in the province. Son La and Lai Chau
Outputs created	1 displaying booth with six agro-products in the Festival

Objective	Signing agreement between Northwest Agriculture Seeds and Materials Company and 38 farmers producing sticky rice in SRI method in Ban Lang commune (PhongTho, Lai Chau)
Activity dates	13/8/2021
Participant details	<ul style="list-style-type: none"> - PMU of Lai Chau FU - Representative of Northwest Agriculture Seeds and Materials Company; - Representatives Phong Tho district - Representatives of Ban Lang commune; - Ban Lang LF; - 38 farmers of Hop 1 village.

Progress	Signing a cooperation agreement between Northwest Agricultural Seeds and Materials Co., Ltd and 38 households producing rice by SRI method on technical support for production, branding, and consumption of sticky rice in Ban Lang commune.
Outputs created	The agreement signed between the Company and 38 households

Objective	Meeting workshop on cooperation dialogue between enterprises and cooperatives to purchase agricultural products in Na Si village, Hat Lot commune, Mai Son district and Na Khai village, Sap Vat commune, Yen Chau district, Son La
Activity dates	6.2021
Participant details	<ul style="list-style-type: none"> - Son La FU - 04 LFs. -Representative leaders of the Department of Agriculture and Rural Development; Agricultural service center; Farmers' Unions of 02 districts. - Representative of leaders of People's Committee of 02 communes. - Agriculture commune officers. - 02 agriculture cooperatives. - 20 members of FRGs. - Leaders of 02 villages.
Progress	Through discussion, the meeting pointed out: Currently, cooperatives buy mango and longan from farmers through traders. These traders all source goods from Na Si. Therefore, it is necessary to establish a direct purchasing channel between farmers and cooperatives to reduce the intermediary stage and easily control the quality of products.
Outputs created	<p>The participants decided:</p> <p>Change the orientation of fruit tree production of commune leaders and include that orientation in the annual plan.</p> <p>Private enterprises, cooperatives, and FRGs have committed to being cooperated in production. In which the cooperative will support the FRG with techniques, and supply agricultural materials with delayed payment. The households commit to produce according to the product quality standards of the cooperative, and the cooperative will purchase the products of the group of households at the market price.</p> <p>On the part of the Farmers' Unions of districts, communes and agricultural service centers, they have committed to bring the FRGs into the loan group of the Farmers' Union so that the households can be proactive in production capital. At the same time, they will provide technical support training for the group when required.</p>

Objective	Organize a workshop to connect the Tea company with tea growers in Na Ca village, Binh Lu commune, Tam Duong district. Lai Chau
Activity dates	26/3/2021

Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - Representative of Tam Đường Tea Company; - FU of Tam Đường district; - PC leader and FU head of Binh Lu commune; - LF; - Tea grower of NàCà village;
Progress	Connecting the company with tea growers in Na Ca village, Binh Lu commune on the agreement of the purchasing location, the price of fresh tea buds, payment time, and technical guidance on tea care and harvesting to ensure compliance with Europe standards
Outputs created	<p>Agree on where to buy tea buds:</p> <ul style="list-style-type: none"> - The purchase price of tea is 6,000 VND/kg (if 8,000 VND / kg, the households must harvest at the request of the company one young two-leaf shrimp). - Tam Duong Tea Company lists the purchase price of fresh bud tea in accordance with the company's regulations at the cultural house. <p>Continuing to transfer technical instructions for tea care according to European standards.</p> <p>The tea company continued to support tea pesticides (in the list of allowed pesticides) and sent staff to guide farmers on how to use them.</p>

Objective	Support website of Son La FU
Activity dates	Quarter IV/2021
Participant details	Son La FU
Progress	
Outputs created	Website maintained in the quarter

Objective	Organize a workshop to connect the Tea company with tea growers in Na Ca village, Binh Lu commune, Tam Duong district. Lai Chau
Activity dates	26/3/2021
Participant details	<ul style="list-style-type: none"> - Lai Chau FU; - Representative of Tam Đường Tea Company; - FU of Tam Đường district; - PC leader and FU head of Binh Lu commune; - LF; - Tea grower of Nà Cà village;
Progress	Connecting the company with tea growers in Na Ca village, Binh Lu commune on the agreement of the purchasing location, the price of fresh tea buds, payment time and technical guidance on tea care and harvesting to ensure compliance with Europe standards

Outputs created	<p>Agree on where to buy tea buds:</p> <ul style="list-style-type: none"> - The purchase price of tea is 6,000 VND / kg (if 8,000 VND / kg, the households must harvest at the request of the company 1 young two-leaf shrimp). - Tam Duong Tea Company lists the purchase price of fresh bud tea in accordance with the company's regulations at the cultural house. <p>Continuing to transfer technical instructions for tea care according to European standards.</p> <p>The tea company continued to support tea pesticides (in the list of allowed pesticides) and sent staff to guide farmers on how to use it.</p>
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Immediate objective 3: At the end of the project, results and achievements have been recognized by provincial authorities of the target area, broadly shared and discussed for upscaling at the national level at different venues in the Lower Mekong sub-region

Output 3.1 Experiences and lessons learned from CRFC model informed to local authorities for up-scaling and shared widely at national and international levels

Activity 3.1.1 Thematic workshops on practices and methods of assessment of climate responsive agriculture for leaders of provincial, district CPC and relevant departments.

Objective	On-site field workshop on the model of round mango growing under agro-forestry in Na Khai village, Sap Vat, Yen Chau, Son La
Activity dates	6.2021
Participant info.	<ul style="list-style-type: none"> - Son La FU. - 04 LFs. - Representatives of leaders of the Department of Agriculture and Rural Development; Agricultural service center, Farmers' Unions of 02 districts implement the project. - Representative of leaders of People's Committee of 02. - Agricultural and forestry officers in 02 communes implement the project. - 02 agricultural cooperatives in the communes. - 20 members of FRGs. - Leaders of 02 villages and selected production households.
Progress	Evaluating the effectiveness of the model of round mango grown under agroforestry.

Outputs created	<p>Na Khai village has 47 hectares of land for industrial crops and fruit trees, of which 30 hectares of mangoes are mainly native round mango varieties. There are also varieties of Taiwan mango, Thai mango, GL4 mango... In addition to the local mango trees planted over 10 years ago, the round mango is planted using grafted buds. Some areas of the grafted round mango have been harvested and shown outstanding advantages compared to the previous mango tree planted from seeds (low tree, easy to care for, easy to prune, and improve fruit quality); The village has 10 households participating in the model with an area of about 4.5ha.</p> <p>The model is in the first year of care; the mango is growing well. The grass has been harvested and is effective against soil erosion. The amount of grass meets the needs of households for raising buffaloes and cows. Households do not have to cut more grass in other areas. The model is completely feasible when applied locally and can be replicated because at present, the new fruit tree areas are mainly mangoes and are planted on sloping land, so planting under Agro-forestry is the right thing to do to protect the land from erosion.</p>
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Objective	On-site field workshop on the model of SRI in Nà Si village, Hat Lot, Mai Son, Son La
Activity dates	6.2021
Participant info.	<ul style="list-style-type: none"> - Son La FU. - 04 LFs. - Representatives of leaders of the Department of Agriculture and Rural Development, Agricultural service center, Farmers' Unions of 02 districts implement the project. - Representative of leaders of People's Committee of 02. - Agricultural and forestry officers in 02 communes implement the project. - 02 agricultural cooperatives in the communes. - 20 members of FRGs. - Leaders of 02 villages and selected production households
Progress	Evaluating the effectiveness of the SRI model

Outputs created	<p>The village has 10 households participating in the model with an area of 2.6ha. Through reaping 5 points in the field, 1m² each, weighing and evaluating the actual yield of the model and comparing it with the traditional transplanted rice field can be seen. Rice yield reached 8.5 tons/ha, 1.5 tons higher than conventional transplanting. SRI culture also reduces the cost of chemical fertilizers as well as pesticides. Thank to taking advantage of the source of manure, green manure, and healthy rice plants, there are few pests and diseases. The cost per hectare was reduced by 3 -5 million. From the increase in productivity, the reduced investment cost per hectare of rice in Na Si transplanted under SRI helps people increase their income from 10 to 15 million VND/ha. In the environment, the use of rice under SRI helps to reduce the use of chemical fertilizers and chemical pesticides; Besides that, because it is not flooded regularly, the amount of greenhouse gas emissions is also less, thereby limiting the rate of global warming; It is suggested that villages and communes do well the communication and mobilization work so that people in the village understand that rice transplanting according to SRI is a good method, and at the same time, use trained and retrained people for other households to extend the model wider</p>
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Objective	Organizing a field workshop on the expended model of growing sticky rice by SRI cultivation method in Hop 1 village, Ban Lang commune (Lai Chau)
Activity dates	27/10/2021
Participant info.	<ul style="list-style-type: none"> - Chairman of Lai Chau provincial PC; - Lai Chau FU; - Northwest agriculture material and seed company; - Representatives of Phong Tho district PC, Agriculture Office, Agriculture Service Center; - Representatives of Ban Lang commune; - LFs; - 38 households of Hop 1 village.
Progress	Evaluation of the model of 30ha of rice production by SRI method on technical support for production, branding and consumption of sticky rice products in Ban Lang commune. Introduce the effectiveness of the production model, offload agricultural products to government leaders at all levels and disseminate new and effective farming methods to farmers.
Outputs created	<ul style="list-style-type: none"> - The participants of the workshop agreed on a model with high efficiency in both economic and environmental terms. - Mr. Tran Tien Dung - Chairman of the Provincial People's Committee, highly appreciated the effectiveness of the model, considering it to be a model with close links between Farmers, Scientists, and Entrepreneurs, including leadership, in government and other social organizations.

Activity 3.1.2 District workshops on managing natural resources in agricultural production and farmer participation in response to climate change

Objective	On-site field workshop on safe tea production in Na Ca village, Binh Lu commune (Tam Đường district, Lai Chau)
Activity dates	02/10/2020
Participant info.	30 people from MB Lai Chau FU, LFs, Binh Lu commune FU, FRGs, leaders of Na Ca village, leader ad officers of Binh Lu commune, representatives of Tam Duong district; 10 farmers of Nà Cà village.
Progress	Visiting and evaluating the efficiency of the safe tea production model exported to Europe in Na Ca village, the project results and communicate the model experiences.
Outputs created	Participants shared lessons learned in tea production, and the process of building models of safe tea production for European export and received many positive feedback on the models. Through the visit, participants have changed their view on model effectiveness, ready to apply it to the village conditions. The model to increase productivity by 7% compared to the period has not been implemented and has economic and environmental efficiency.

Objective	On-site field workshop on rice SRI production in Hop 1 village (Ban Lang com., Phong Tho distr., Lai Chau)
Activity dates	31/10/2020
Participant info.	32people, from MB Lai Chau FU, LFs, Ban Lang commune FU, FRGs, leaders of Hop 1 village, leader ad officers of Ban Lang commune, representatives of Phong Tho distr.; 10 farmers of Hop 1 village.
Progress	Visit, evaluate the economic and environment effectiveness of the model SRI and communicate the results.
Outputs created	Participants agreed that SRI is a suitable farming method for instant sticky rice and should be replicated, with the model achieving both economic and environmental efficiency.

Objective	Organized 02 conferences in 02 target districts of the project on issues of agricultural development orientation of the district and commune. Discuss the current issues of climate change affecting agriculture, and the issues of greenhouse gas emissions in agricultural production. The role of farmers in mitigating and responding to climate change
Activity dates	In Ban Lang commune, Phong Tho: 22/4/2022 In Binh Lu, Tam Duong: 25/4/2022

Participant info.	<p>22 participants:</p> <ul style="list-style-type: none"> - Lai Chau FU: 02; - Chairman of district People's committee: 01; - District DARD: 01; - District FU: 01; - Commune leaders: 03; - LFs, FRGs of Hop 1 and Na Ca villages.
Progress	<p>At the conference, participants exchanged and commented on the following issues: Climate change issues affecting agriculture today and issues of greenhouse gas emissions in agricultural production; Issues orienting agricultural development of the district; The issues of agricultural development orientation of the project target communes; The role of people in mitigating and responding to climate change. In addition, members of the adaptation group also made suggestions on continuing to develop improved rice farming models, promoting issues of supporting communes in agricultural production with the Leaders of the Provincial Farmers' Union and Leaders of the People's Committee of the 02 districts in implementing the project.</p>
Outputs created	Two workshops were held in the districts

Objective	Organizing 01 provincial conferences on natural resource management in agricultural production and farmers' participation in climate change response, clean and organic agricultural production in Lai Chau
Activity dates	23/9/2021
Participant info.	<ul style="list-style-type: none"> - PMU of Lai Chau FU; - Representative of Lai Chau Environment and Nature Resource Department; - Representatives of PC, Agriculture Office of Phong Tho and Tam Duong districts; - Representatives of PC, agriculture officers of Ban Lang and Binh Lu communes; - 2 LFs; - Representatives of FRGs of Na Ca and Hop 1 villages.
Progress	Training workshop for local officers, facilitators and farmer groups on natural resource management in agricultural production and farmers' participation in climate change response.
Outputs created	The participants were provided with information on topics such as: global climate change, conservation of sustainable environmental resources in agricultural and rural development and especially the content of adaptation and mitigation to climate change in agriculture.

Activity 3.1.3 Dissemination workshop at provincial levels for sharing experiences, successful lessons on CRFC.

Objective	The conference shared lessons learned on implementing climate change response models in Lai Chau province.
Activity dates	13/6/2022
Participant info.	30 participants: - Lai Chau FU; - Representative from Lai Chau Department of Nature Resources and Environment - Representative from Lai Chau DARD; - Lai Chau VUSTA - Representatives from Tam Duong and Phong Tho People's Committees - Farmer Unions of Binh Lur and Ban Lang communes; - LFs, 02 members of each FRG of Na Ca and Hop 1 villages.
Progress	At the Conference, the delegates shared lessons on implementing climate change adaptation models in the country and Lai Chau province from representatives of the Department of Natural Resources and Environment, and the Department of Agriculture and Development, Rural development in the province. Effective ways were opened up that can be applied in production practice.
Outputs created	1-day conference held

Activity 3.1.4 Communication of CRFC on mass media.

Objective	Produce the video safe tea production in Na Ca village
Activity dates	Quarter III/2020
Participant info.	Communication staff of PanNature
Progress	The film promotes the project model in Lai Chau for safe tea production
Outputs created	https://youtu.be/5F3flrm_l20

Objective	Produce the video on the Mango model and integrate CRAI in Son La
Activity dates	5.2022
Participant info.	Communication staff of PanNature
Progress	The film promotes the project model in Son La, targeting provincial and national policymakers to replicate the model and achieve the goal of integrating climate change response agriculture into the policy planning process of all levels
Outputs created	The film about the agricultural village responding to climate change in Son La was completed and screened at the VOF project's booth during the OCOP Vietnam Fruit and Product Festival event in Son La at the end of May 2022 with the participation of Prime Minister Pham Minh Chinh and provincial and national leaders to promote the model.

Objective	Interview in the TV show “Road to the Farm: Agricultural development to adapt to climate change,” VTV2
Activity dates	7.2022
Participant info.	PanNature project Coordinator, VTV2
Progress	Interviewed with the Road to Farm Program VTV2, stating the role of farmers in responding to climate change and the CRFC model.
Outputs created	Reportage 27 minutes on VTV2 https://vtv.vn/video/duong-toi-nong-trai-phat-trien-nong-nghiep-thich-ung-bien-doi-khi-hau-571410.htm

Objective	Interview with Russian news agency Sputnik
Activity dates	2022
Participant info.	PanNature project Coordinator, Representative of Russian News Agency in Vietnam
Progress	<p>Answered interview questions:</p> <ul style="list-style-type: none"> - After three years of implementation, what is the key to making the project successful? - How do ethnic minority people in the Northwest have awareness about climate change and the CRFC model? Will they return to the old farming method when the project ends? - What problems still exist when implementing the model? How is the voice and capacity of the people in agricultural production promoted? How have farmers livelihoods been improved?
Outputs created	<p>News Report: Ethnic minorities farming in the Northwest of Vietnam "say no" to climate change on Sputnik's site:</p> <p>https://sputniknews.vn/20220926/nguoi-dan-toc-thieu-so-lam-nong-vung-tay-bac-viet-nam-noi-khong-voi-bien-doi-khi-hau-18104712.html</p>

Objective	Articles on project activities published on PanNature website and thiennhien.net
Activity dates	2021 - 2022
Participant info.	Communication staff of PanNature
Progress	Maintained and promote the model of CRFC in the 2 provinces, attracted the attention of media on CC responsive agriculture
Outputs created	See below for the list of published online content

Reporting of project activities on the website of PanNature.

Article	PanNature Instagram	Thiennhien.net	PanNature Website	PanNature Facebook
Video “Climate Resilient Agriculture Villages in Son La”		link	link	link

Products of farmers responding to climate change in Son La are present at the OCOP Vietnam Fruit and Product Festival in 2022				link
Lai Chau farmers improve communication skills to access the market		link	link	
Training on writing small grants and financial management			link	
Son La farmers improve communication skills and organic production		link	link	
Learn from each other to do eco-friendly farming		link	link	
Photo of farmers in Na Ca (Binh Lu commune, Tam Duong district, Lai Chau) congratulating March 8	link			link
A farmer's rice transplanting session using improved SRI method in Na Khai village (Sap Vat commune, Yen Chau district, Son La province).				link
Integrating agriculture to respond to climate change in commune-level plans in Binh Lu			Website	
Training on water saving for fruit trees in Na Khai& Na Si villages			Website	Facebook
Farmers in Ban Lang signed a cooperation agreement with enterprises			Website	
People propose agricultural initiatives to cope with climate change		Thiennhien.net	Website	Facebook
Press release on project document: Climate Resilient Farmer Village – When farmers play central role		Thiennhien.net	Website	Facebook
Conference on natural resource management in agricultural production			Website	
Story of Na Ca's tea		Thiennhien.net		
Field conference of 30 ha expanded SRI model in Ban Lang commune		Thiennhien.net	Website	
Integrating agriculture to respond to climate change in commune-level plans		Thiennhien.net	Website	

Brand-building and market-accessing for climate-responsive agricultural products		Thiennhien.net	Website	
Strengthening the voice and capacity of farmers to climate change			Website	
Directions for Mango production and consumption in Son La			Website	Facebook
Ethnic minorities farming in the Northwest of Vietnam "say no" to climate change			Website	Facebook
Summary of 3 years of implementation of the Project to support farmers to adapt to climate change in Northwest Vietnam			Website	Facebook

Objective	Buy a 1-year license for Adobe Creative Suite software for video editing
Activity dates	4.2021
Participant info.	Communication officer
Progress	Service provider: KST Solution Integration Joint Stock Company
Outputs created	1-year license for Adobe Creative Suite software purchased

Activity 3.1.5 Sharing the CRFC models to nationals and regional

Objective	Participate in Trade Fair for OCOP products in Son La
Activity dates	26 – 28/5/2022
Participant info.	Staff of PanNature
Progress	PanNature has cooperated with the MB of Son La FU to build a display booth during the Fruit Festival held in Son La.
Outputs created	At the booth, the project's agricultural products were displayed, such as: Yen Chau round mango produced under the model of agro-forestry, Thin pineapple in the model of Mango with pineapple, Ban Lang sticky rice, and clean tea according to standards. European export standards of Na Ca village. In addition to the products on display, the booth also screened documentaries introducing the project. Through the booth, a number of units worked and agreed to cooperate with representatives of adaptive farmer groups in Thin and Hop 1 villages on mango and sticky rice products.

Objective	Participate in High-Level Policy Dialogue on Sustainable Co-Management of Natural Resources in the context of Climate Change
Activity dates	26/8/2022 in Hanoi

Participant info.	PanNature project Coordinator, co-chaired by UNDP and Minister of MARD, other about 80 participants from ministries, provinces, journalists
Progress	The program of the Conference is below: link
Outputs created	The model of CRFC of VOF project was presented at the Conference.

Objective	Participate in Forest and Farm International Conference for sharing and learning with forest and farmer producer organizations
Activity dates	22 – 26/9/2022 in Hanoi
Participant info.	PanNature Project Officers, 63 foreign participants, 90 Vietnamese participants from MARD, provinces
Progress	The program of the Conference is below: link The model of CRFV of VOF project was introduced during a discussion section on Ecological Resilience
Outputs created	Workshop content and materials: link 70 copies of VOF's policy briefs were exhibited and distributed to participants of the conference.

Objective	Workshop on Sharing value chain initiatives to adapt to climate change
Activity dates	19/11/2021
Participant info.	Organized by the Center for Agricultural Systems Research and Development, funded by the International Fund for Agricultural Development (IFAD). The workshop was held in both face-to-face and online formats with six main bridge points in Hanoi and five provinces. The conference attracted more than 150 delegates and guests at the bridge points.
Progress	The representative of PanNature presented the CRFC model to the workshop
Outputs created	Workshop information https://hoinhap.vanhoavaphattrien.vn/hoi-thao-chia-se-kinh-nghiem-sang-kien-chuoi-gia-tri-thich-ung-voi-bien-doi-khi-hau-a7365.html

Objective	Presented at the annual conference of social organizations "Water security for sustainable development of Vietnam"
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Activity dates	29/10/2020 in Hanoi
Participant info.	PanNature project Coordinator The Vietnam Union of Science and Technology Associations (Vietnam Union of Associations) chaired and coordinated with the Information Center of Non-Governmental Organizations (NGO-IC), the Institute of Population Health and Development (PHAD). and related agencies and organizations
Progress	Discuss issues: Water security and health; Water - environment, energy security, and climate change; Legal environment for SOs; and propose solutions and recommendations to contribute to sustainable development in Vietnam.
Outputs created	PanNature project Coordinator gave a speech: Agricultural villages respond to climate change, a model for enhancing community voice in resource governance in the Northwest

Activity 3.1.6 Reflection and evaluation workshop, advocating for CSV and CRAI in Vietnam.

Objective	Mid-term coordination workshop in Moc Chau, Son La
Activity dates	1/12/2020
Participant info.	30 participants, including representatives from ADDA, Pannature, the Project Management Board in Son La and Lai Chau, the facilitators and leaders of the FRGs
Progress	Conference content: <ul style="list-style-type: none"> - Evaluate results and impacts achieved and share implementation experience. - Assess risks to the project implementation in the coming period. - Get suggestions for editing Objective 2 of the Project. - Issue project management guidelines. - Discuss the communication plan for the project. - The direction of project implementation in the future.
Outputs created	Minutes of workshop

Objective	Project Final Evaluation Workshop
Activity dates	20/9/2022 in Moc Chau, Son La
Participant info.	ADDA: 4 representatives; PanNature: six staff Lai Châu: MB of FU, 2 LFs, four representatives of farmer groups, FU of Tam Đường and PhongTho districts. Sơn La: MB of FU, 4 LFs, four representatives of farmer groups, DARD, DONRE, district FUs, farmer group of Thin village, Xuan Nha people committee, Van Ho agriculture office. Sơn La journalists: 4 people.

Progress	<p>The morning session: reports from FUs of Son La, Lai Chau, PanNature, evaluation report by the independent consultant, speech of ADDA and other participants from the province.</p> <p>Project product and published materials were exhibited in the workshop</p> <p>Afternoon: field visit to Thin village, Xuan Nha commune.</p>
Outputs created	<p>Workshop content and materials: link</p> 

Activity 3.1.7 Compiling policy briefs

Objective	Compile the 4th policy brief: Change stories and Impacts of CRFC
Activity dates	Quarter III/2022
Participant details	Nguyen Hong Nhung, Phan Van Thang, Nguyen Duc To Luu (PanNature)
Progress	The brief summarised results, impacts, and change stories from six CRFCs of the VOF project
Outputs created	30 pages of the policy brief have been compiled, designed, and published online.

Objective	Compiling and publishing policy briefs No1 and No2
Activity dates	Quarter IV/2021
Participant info.	Communication officer
Progress	Compile and edit the policy brief with the title: “Climate Responsible Farming Village: When farmers play a central role”. Printed and published 1500 copies
Outputs created	The 20-page Vietnamese version of policy brief No.1+2 has been compiled and edited. Printed and published 1500 copies

Objective	National TV film on CRFCs in Lai Chau
Activity dates	10.2021 – 14/12/2021
Participant info.	Communication officer, project coordinator, ADDA driver, two staff of VTV

Progress	Record results of CRFC models in Hop 1 and Na Cavillage, field workshop in Ban Lang commune. Based on the recorded data, combined with documents related to the topic and the content discussed with local stakeholders, the VOF Project team supported the VTV reporters in building 01 Reportage film with a duration of 15 minutes on the topic "Agricultural village responds to climate change in Lai Chau", broadcast on Environmental Perspectives Program, Science Department of Vietnam Television (VTV2) on December 14, 2021.
Outputs created	Link of the VTV report: https://vtv.vn/video/phat-trien-ben-vung-lang-nong-nghiep-ung-pho-bien-doi-khi-hau-535844.htm

Objective	Translation and publish policy brief 1+2 in English
Activity dates	Quarter IV/2021
Participant info.	Communication officer
Progress	Translation and publishing the policy brief in English titled “Climate Responsible Farming Village: When farmers play a central role”. Printed and published 1500 copies
Outputs created	20 English pages printed in 300 copies. Disseminate for national and regional NGOs, 100 copies for ADDA.

Other results

PanNature applied for WorldBank and received computer support for 06 VOF project FRGs, of which 04 computers for 04 Son La groups, two computers for two Lai Chau groups. Each set of computers includes a large screen and a computer with a high configuration. PanNature handed over to the FRGs of 2 provinces and also provided installation instructions and training to the groups.

The results of the Xuan Nha project have been enhanced by PanNature support through other small grants, including:

- NZ\$2,999.79 for proposal “Short-term training to promote local ethnic women’s roles in environmental friendly agribusiness in Xuan Nha commune, Van Ho district, Son La province, Vietnam” funded by THE MANAAKI NEW ZEALAND ALUMNI FUND (MNZAT).
- \$10,000 U.S. dollars for the proposal “Reducing Plastic Wastes in Agriculture by Utilizing Indigenous Knowledge in Son La Province, Vietnam,” funded by Pacific Environment and Resource Center (USA) (Pacific Environment).

Positive results, challenges & lessons learned

- The CRFC model with an integrated and farmer-centered approach is a valuable lesson that has been successfully piloted in the project and needs to be replicated in other localities and extended to other production areas in mountain communities.

- Training farmers in their fields with real experience in production is an effective way of training with long impact.
- It was a good experience to implement the project in the context of the epidemic and social distancing using the network of Farmers' Unions and the project site office in the field.
- Small financial grants for the community to prepare, decide and implement themselves are a flexible way of doing things, have practical meaning for farmers, and make a significant contribution to the development of local agricultural production towards sustainability.
- Market linkages must be carried out according to the value chain and practically in each locality, with partners with a real interest and relevant business capacity.
- Online forms of information and communication, digital audio and video, are important solutions in project coordination management and in communicating project results and experiences quickly to many and the targeted audience.
- Building a close working relationship between the community and local authorities in the formulation and implementation of plans for agricultural production is an essential point in helping communities and localities to make good transitions in agriculture.
- The management and coordination of the project among the participating partners needs to be more flexible, respect and support each partner to follow the project's goals.

Monitoring sheet

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
1.1.1	Launching workshops	2 workshops in two project provinces	2	2	100	100
1.1.2	Preparation and establishment of Farmer Responsive Groups (FRG), officially representing the communities in agriculture development planning and implementation.	50 farmers from the six village's FRGs selected and recognized by commune authorities.	50	60	120	60
1.1.3	Capacity training on management and organization skills, advocacy, negotiation skills, and communication skill for FRGs and communal FUs.	6 training courses (2-3 days) per FRG.	6	6	100	90
1.1.4	Training on impacts of CC, policy, laws, regulations, planning procedures on CSA practices for FRGs, communal FUs and communal officers.	6 training courses (2-3 days) per FRG.	6	6	100	90
1.1.5	Training on awareness and experiences on CSA practices, study tours for FRGs, communal FUs and communal officers.	10-day training and study tour to CSA models in the Northern Vietnam.	10	10	100	120

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
1.1.6	ToT training for FRGs and commune FUs on new CSA techniques.	3 ToT trainings for 30 local facilitators in 3 zones	3	8	267	95
1.1.7	Regular meeting of FRGs for sharing experiences and planning activities	Monthly meeting of six FRGs	180	132	73	70
1.1.8	Village meetings (incl. distribution of communication material) for learning and discussion of CSA practices	Quarterly meetings in each village.Communication means (information boards, village radio, posters, etc.)	48	33	69	185
1.2.1	Participatory assessment on CC impacts (CRAI), socio-economic assessment to agriculture in the village (PRA)	PRA and CRAI reports for six villages.	6	6	100	90
1.2.2	Promote participation of villagers in planning for patterns of crop and animal production in the villages, using results of assessment CRAI	6 village production plans integrate CSAs	6	6	100	180
1.2.3	Integration of CRAI index into communal development plans and reports	6 communes use CRAI index in their plans and reports	6	9	150	130

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
1.2.4	Promote participation of communities (FRGs) in compiling annual agriculture production plan of the villages	Target indicators areas signed for the villages in the commune's annual development plan	6	7	117	220
1.2.5	Promote development of legal mechanisms for participation of villagers in agricultural village planning process, including monitoring and reporting (Regulation, MoU/agreement on consultation with core groups during planning)	Legal regulation with communes and villages for participation in agricultural planning is established	6	8	133	100
2.1.1	Technical support to crop production systems in CRFC villages through FFSs for farmer interest groups.	3 FFSs on crop production/village. 3 farmer interest groups/village.	18	24	133	100
2.1.2	Technical support to animal raising and fishery in CRFC villages through FFSs for farmer interest groups.	3 FFSs on animal raising/village. 3 farmer interest groups/village.	18	10	56	60
2.1.3	Mobilize community contributions for improvement of CSA production facilities in the villages.	Successful cases for improvement of agriculture facilities	6	4	67	50

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
2.1.4	Assessment (field survey) of CRFC and CRAI for documentation and up scaling	Assessment reports on CRFC and CRAI for six villages	6	6	100	80
2.1.5	Documentation of learning and experiences on CRFC.	3 policy briefs	3	3	100	5
2.1.6	Training for FRGs on cooperative, business plan and marketing	18 training courses for FRGs, 3 courses for each village	18	12	67	80
2.2.1	Enhance capacity of PanNature project staff through participation in training and workshops on CSA and community engagement.	Participation of 3 PanNature staff in 3 training workshops	3	3	100	15
2.2.2	Conduct production and value chain analysis for target villages for 2-3key agriculture products of each village in relation to CC context	Value chain analysis reports for six villages	6	6	100	60
2.2.3	Support initiatives on piloting CSA techniques, development of partnerships, consultation	2-3 initiatives per village	10	8	80	120
2.2.4	Support linkage to agriculture material suppliers and promote establishment of local	18 suppliers, six key CSA inputs available	18	6	28	80

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
	dealers (may be from village pioneer farming groups) for CSA input supplies					
2.2.5	Support market access for key agriculture products through the establishment of collaboration and agreements batwings and buyers/dealers.	6 signed agreements	6	6	83	80
3.1.1	Thematic workshops on practices and methods of assessment of climate responsive agriculture for leaders of provincial, district CPC and relevant departments.	2 thematic workshops in Son La and Lai Chau	2	3	150	90
3.1.2	District workshops on managing natural resources in agricultural production and farmer participation in response to climate change	6 district workshops	6	5	83	140
3.1.3	Dissemination workshop at provincial levels for sharing experiences, successful lessons on CRFC.	2 provincial workshops.	2	1	50	30
3.1.4	Communication of CRFC on mass media.	1 VTV report, 10 journal articles	11	15	137	30

No	Activities	Indicator	Total target	Accum. achieved	%achieved of total	Accum. # of participants
3.1.5	Sharing the CRFC models to nationals and regional forums/conferences (including Mekong Resource Forum).		1	3	80	200
3.1.6	Reflection and evaluation workshop, advocating CRFC and CRAI in Vietnam.	1 final evaluation and workshop	1	0	0	
3.1.7	Compiling policy briefs	1500 copies of 10 articles, 1 video	11	12	109	20