

PROMOTION OF INDIGENOUS KNOWLEDGE BASED CLIMATE CHANGE RESILIENT AND ORGANIC FARMING PRACTICES IN THE NORTHERN MOUNTAINOUS REGION OF VIETNAM

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ABOUT ADC

ADC
Aspiration-Diversity-Commitment

- Local Research and Development NGO
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- ► Fb: https://www.facebook.com/adc.org.vn/
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- Established in 1991
- Working areas:
 - Livelihood and food security
 - Natural resource management
 - Climate change adaptation
 - Rights and voices for the poor and women



ABOUT ADC



- Networking and partnership
 - ► Chair of NorthNet- a network of 10 local NGOs working in the Northern mountainous region
 - ► Core member of VNGO-FLEGT network (Forest law enforcement, governance and trade)
 - Member of climate change working group (CCWG), ethnic minority working group (EMWG), and ALiSEA

ABOUT ADC



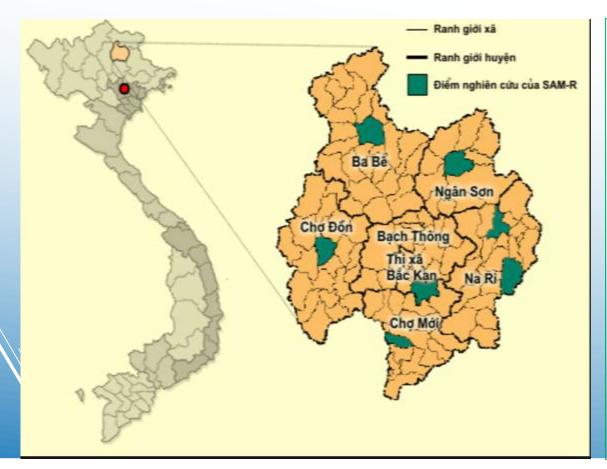
- ► ADC implemented more than **50 projects** related to ethnic minority (EM) people and agro-ecological transition
 - Research
 - Training
 - Technology transfer



ALISEA PROJECT:

- ADC

 Aspiration-Diversity-Commitment
- ► Title: Promotion of indigenous knowledge based climate change resilient and organic farming practices in the northern mountainous region of Vietnam
- ► Located in Cho Moi district, Back Kan Province







PROJECT OBJECTIVES

- ► Enhance awareness, understanding, and the knowledge of indigenous based climate change resilient livelihoods and sustainable farming practices for local communities, and civil society organizations (NorthNet), local government staffs
- ► Promote the application of sustainable farming practices in the NorthNet's member organisations working provinces (Bac Kan, Yen Bai, Ha Giang, Phu Tho, Cao Bang and Hoa Binh...)

PROJECT ACTIVITIES





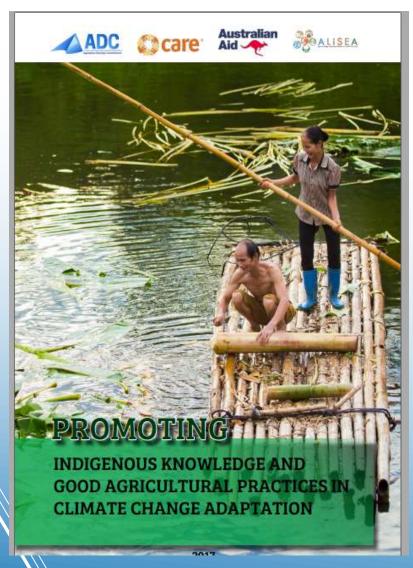
- 1. Consolidating the indigenous knowledge based climate change resilient and organic farming practices
- 2. Documenting farming practices for sharing (guideline, reports, handbook)
- Organizing a sharing experience study tour for key farmers, CSOs, local government officials
- 4. Training workshop on scaling up the IK based agroecological practices
- 5. Supporting NorthNet members, local governments to scale up the practices
- 6. Writing final report (2 short "agroecological transition stories" & a brief narrative & financial report)



- Completed the consolidation of models of the indigenous knowledge based climate change resilient and organic farming practices
- 2. Documentation: Handbook: Promoting indigenous knowledge and good agriculture practices in climate change adaptation; Micro-organic fertilizer composting techniques; sustainable banana cultivation techniques
- 3. A training workshop on scaling up the IK based agroecological practices and a sharing experience study tour for key farmers, CSOs, local government officials are organized
- 4. Supporting NorthNet members, local governments to scale up the practices has been implemented
- 5. Writing draft reports (2 short "agroecological transition stories" & a brief narrative & financial report)

Documentation: Handbook and technical guideline









Documentation: agroecological transition stories



The Stories of Change

Inspiring People Potential - Brightening the Furure

A NEW DIRECTION FOR CLIMATE CHANGE ADAPTATION AND SUSTAINABLE DEVELOPMENT OF ETHNIC MINORITIES

Mai Lap and Thanh Van, two communes of Cho Moi district, Bac Kan province, have been suffering severe damages due to the impact of climate change. Many fields were abandoned to three crop seasons due to the lack of irrigation water, and upland areas were not capable of ensuring sufficient water for farming. The life was already hard for people living this area and now have become even harder due to the effects of climate change. In this context, the Agriculture and Forestry Research & Development Center for Mountainous Region (ADC), Thai Nguyen University of Agriculture and Forestry in collaboration with the local authorities of two communes, has conducted a study to find out the response measures to help stabilize local people's lives. And one of these measures, that can effectively solve water shortages, is the decision in restructuring crop production, shifting from planting maize to banana. This is a new direction for agriculture to better adapt to climate change and sustain life, which is laid out before us.

THE STORY OF MRS.TONG THI VAN

At the highland commune, road transportation and farming conditions are extremely difficult. Therefore, to escape from hunger and poverty is not an easy matter. However, with determination and the spirit of learning, Mrs. Van has learned and enriched on that harsh land.

Mrs. Tong Thi Van, a 43-year-old Tay ethnic woman, living in Na Ray village, Thanh Van commune, Cho Moi district, Bac Kan province, shared openly about the process of overcoming various obstacles and difficulties, enriching her family's life, and developing economic status from climate change adaptation models in agricultural production on a piece of her family's arid homeland.



The banana plantation model in Thanh Van and Mai Lap communes. Cho Moi district, Bac Kan province.

She was born into a poor farming family with many children in Na Ray village, Thanh Van commune, Cho Moi district, Bac Kan province. Having no conditions for schooling, after finishing secondary school, she had to drop out of school and stay home to toil and moil for helping her parents. At the age of 22, she got married and gave birth to three children. In 2009, unfortunately, her husband passed away after suffering a serious disease, leaving his wife and their children. Since that day, her family life was very difficult, strenuous, having only a makeshift house and 3 ha of land planting com and cassava on steep hills. Total income of her family from farming, raising livestock was only about 7-10 million VND/year, subsequently, her families are still haunted by extreme hardships and poverty.

The Stories of Change

Inspiring People Potential - Brightening the Furure

A STORY OF A DAO WOMAN IN BAC KAN PROVINCE

Mrs. Tran Thi Kim Phuong and her family, as well as other families in Khuoi Dac village, Mai Lap commune, Cho Moi district, Bac Kan province, are Dao people who emigrated from other provinces (Lang Son and Cao Bang province) and immigrated to the place twenty years ago. Being born and bred in Cao Bang province, until Mrs. Phuong at her twenties, she married a man from Gia Lai who was a soldier garrisoned in her living area at the time. The couple later moved to his hometown in Gia Lai. Unfortunately, Mrs. Phuong's husband passed away in a traffic accident. She was forced to marry her husband's younger brother according to the customs in Gia Lai. On rejecting to follow such customs, she ran away from her husband's family in a stormy night to move to Khuoi Dac village, Mai Lap commune in 2000, accompanied by her two little children and one more to be born (her husband's family members have not yet known where she has moved to so far).

At initial time, Mrs. Phuong's family encountered lots of difficulties in the settlement and economic activities since they had no residential land and also farmland. She built a temporary shack on the cattle grazing area as it was a public and unused land and farthest from the residential area. She then took her mother from Cao Bang to live with her so that they could take care of each other. At the beginning, the villagers did not allow her to do any cultivation and farming activities in that land for the reason that the land belonged to their ancestors. Gradually, the villagers felt pity and sympathy for Mrs. Phuong's situation. She and her family have changed 3,000m2 of waste land into maize cultivated area. This maize cultivation area brought her family the major income for a long time because they did not have any land suitable for wet rice cultivation. With a limited income source for a household of five members, and her three children were at schooling age, her mother was over 80 years old and could no longer work, she had to run about to other communes, districts or even to other provinces. Yet her family got stuck in the poverty trap.

According to the Sedentarization program in 2006–2007 period, her family was granted with land to build house and with the land use right certificate (Red Book) by the communal People's Committee. The land used to be the public grazing area surrounding her house was



planned and allocated to local people and her family was also allocated with more than 10 ha forest land. From 2010 to 2011, thanks to the support of project conducted by ADC, her family was granted the Red Book for the 10 ha forest land area.

Since the official issuance of land use right certificate, her family has concentrated on cultivation and production activities. She joined technical trainings for nursery garden, afforestation and she has planted more than 2 ha of Manglietia conifera Dandy. Until now the Manglietia conifera Dandy area is in preparation for harvest, promising to bring the significant income of around 100 to 200 million VND. Besides, she also joined some research and training courses on the role of indigenous knowledge (IK) and the impact of climate change on her life and the community. She understands the difficulties and challenges caused by climate change that she and her community are facing and will face in the area, especially to households having no flatty-field land like her household. She is a pioneer in the protection of land in her community. In order to sustainably cultivate on sloping land, she applied the technique that

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A sharing experience study tour:





A training workshop on scaling up the IK based agroecological practices:





A training workshop on scaling up the IK based agroecological practices:

- Some case studies were shared and discussed to scale up:
- Banana intercrop with medicinal plant in sloping land
- Green bean cultivation in inefficient rice land in spring season
- Agroforestry model intercrop soybean, corn, and forest tree
- Bee keeping model
- Some organizations have plan to scale up the agriculture models using IK to adapt climate change

WHAT HAS BEEN THE PROJECT ACHIEVED?



Supporting NorthNet members, local governments to scale up the practices





 ADC has been supported Bac Kan CSC, DECEN, CCD, local people in Back Kan province to scale up the models of IK based climate change resilient livelihood and agriculture organic farming practices

CHALLENGES



- Limited in time (9 months) to support scaling up the model of IK based climate change resilient livelihood and agriculture organic farming practices
- Limited in budget to document more stories and practices
- The use of new varieties and chemical fertiliser supported by local authorities

Long term strategy

- 1) ADC will participate in the workshops to disseminate using IK on climate change adaptation and good agriculture practices
- 2) ADC will find other resources to continue supporting farmer on using IK on climate change and good agriculture practices

HOW DO THIS INITIATIVE CONTRIBUTE TO THE AGRO-ECOLOGICAL TRANSITION AND KNOWLEDGE SHARING



- Supported the application of more sustainable farming practices for at least 200 households in Bac Kan province.
- The indigenous farming practices has been scaled up to other provinces
- The involvement of government officials will facilitate the adoption of these practices in the future.



THANK YOU YERY MUCH!