



Mobilizing community climate change adaptation: Answer

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Mobilizing climate change adaptation

Community A: Rice paddy farmer

Adaptation option

Income diversification to other agriculture product.

- Livestock
- Controlled environment farming, e.g. mushroom
- Switch dry season rice to crops that use less water

Enabling factor

- Capital for investment
- Capital
- Knowledge & know-how
- Market demand
- New established market
- Know-how

Critical success factor

- Veterinary care support
- Food processing facility in community
- More research for diversity in variety
- Continuous agriculture promotion
- Capacity building for local agricultural expertise in crop management
- Labor force (note: this labor intensive could prevent migration)

Need support from financial institution – or provincial budget for capital loan / Dept. of agriculture to assist in know-how transfer and market development

Mobilizing climate change adaptation

Community A: Villager

Adaptation option

- Implement fish sanctuary in the river to maintain fish stock

- Aquaculture in dam reservoir and high intensity aquaculture in village e.g. snail, eel, frog, etc.

Enabling factor

- Institutional arrangement to control catch quantity / method – fishing gears / season
- Add more fish to natural habitat

- Capital for investment
- Knowledge & know-how

Critical success factor

- Fish breeding facility in community
- Zoning – water control in dry season to create fish habitat

- Access to market
- Food processing facility in community

Need support from financial institution – or provincial budget for capital loan / Dept. of agriculture to assist in know-how transfer and market development / Dept. of Fishery to assist in fishing regulation enforcement and other know-how transfer

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Community B: Hillside Rice paddy farmer

Adaptation option

- Switch agriculture system from rice to other perennial crops

Enabling factor

- Alternate revenue to support livelihood until tree will be ready for harvesting
- Need to mix with crops which provide quick return
- Know-how on new crop cultivation
- Market demand

Critical success factor

- Monitor progress and provide agriculture advisory
- Continuous agriculture promotion, which requires institution support, i.e. extension agricultural support unit in community

Need support from financial institution – or provincial budget for capital loan / Dept. of agriculture to assist in know-how transfer and market development

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Community B: Villager

Adaptation option

- Implementing eco-tourism and homestay as new source of income.
- Improve household design/material to cope with more serious flashflood in the future.

Enabling factor

- Demand study for proper strategic planning
- Tourist promotion
- Improve road and access to tourist attraction spots
- Capacity building e.g. English speaking, Tourist support / service
- Hygiene improvement for home-stay condition – requires investment and capital
- Awareness in the increasing risk and needs for improvement

Critical success factor

- Tourist support facility (natural-look design)
- Regulation to ensure environment protection
- Regulation / law enforcement to ensure public safety
- Waste management
- Souvenir (need support in design / quality control)
- Capital for investment
- Knowledge & know-how

Need support from Dept. of tourism for tourism promotion / Dept. of disaster mitigation for flood resistance design know-how transfer

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Community B: Villager

Adaptation option

- Produce NTFP at household e.g., bee farming, etc.
- Implementing controlled NTFPs harvesting regulation of avoid over harvesting.

Enabling factor

- Capital for investment
- Knowledge & know-how
- Market demand
- Proper institution arrangement to issue and enforce the regulation

Critical success factor

- Market acceptance
- Quality control – grade (certificate)
- By product development
- Monitoring system for violation in NTFPs collecting

Need support from financial institution – or provincial budget for capital loan / local administration unit for regulation enforcement



THANK YOU