Transformation for Climate-Resilient Pathways: Role of Local Communities

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• Communities are at the forefront of climate risks but also the first line of defense against disasters
• Important agent of transformation towards climate-resilient pathways for sustainable development
Local communities have a role to play in these three spheres of transformation.

Three spheres of transformation
(Source: O’Brien and Sygna, 2013)
Potential Roles of Local Communities as Agent of Transformation

- Knowledge generation and application through action-research and climate risk monitoring
- Advocacy and alliance building
- Changes in behavior and application of appropriate climate-resilient technologies
- Collective action on environmental protection and management
Integration of Science and Local Knowledge

Computer Modeling System (SimCLIM)  Participatory Methods
A farmer-led network of POs, NGOs, and scientists...

...working towards the sustainable use & management of biodiversity...

...through farmers’ control of genetic and biological resources, agricultural production, etc.

MASIPAG Farmers’ Resiliency to Climate Change through alliance building
Success

MASIPAG has a network for Seed Exchange/Seed Bank which includes varieties of seeds that can withstand climate change manifestations.
Conservation Farming Village

CFV is a strategy that aims to uplift the lives of vulnerable upland farmers towards poverty eradication, climate change adaptation and environmental security by educating farmers to change destructive farming practices in favor more sustainable technologies.
Outcomes of CFV
(Source: Carandang et al. 2011)

1) Farm in Davao del Norte

2) Farm in Albay
“Bantay Dagat”
Ligao City, Albay

- “Sea patrol”
- Protects remaining mangrove forests
- Performs mangrove reforestation
- Apprehends illegal fishers in the sanctuary

Collective action through environmental protection
Benefits

• Protection from strong winds and typhoons

• Fisherfolks park and tie their boats in the mangroves during typhoons

• Mangroves help clean the sea by trapping wastes in their branches, such as plastics

• Increase in fish catch
Management of Protected Area
Religious Group in Mt. Banahaw
Practices

The religious group has instituted rules and regulations to protect what they consider as the sacred mountain, which include not cutting the trees.

Adherence to the rule comes from loyalty from religious values or beliefs rather than from mere existence of the rule.

Emerging Lesson on Community-Based Adaptation Strategies that can promote transformative pathway

COMMON INTEREST(S) ➔ COLLECTIVE ACTION ➔ ADAPTATION TO CLIMATE CHANGE AND DISASTER RISKS

- LIVELIHOOD
- RISKS (EX. FROM CLIMATE HAZARDS)
- VALUES/ BELIEFS
- RESISTANCE

LARGER GOAL OF PROMOTING WELFARE, WELL-BEING AND SUSTAINABILITY
Thank you very much!