COMPONENT 3: COMMUNITY-BASED ADAPTATION LEARNING AND MEASURES

Farmers, producer organizations and other local stakeholders are able to analyze climate risk and develop and implement adaptation practices to enhance productivity in agriculture and off-farm enterprises in support to a sustainable, diversified and market-driven economic base.

Community-Based Disaster Risk Reduction and Management (DRRM) in at least thirty (30) barangays

Package 1: Training of Trainers for Weather Index-Based Insurance (WIBI) Trainers

1. Develop a pool of trainers proficient in the basic concepts of disaster risks and climate change; and
2. Enable participants to acquire skills necessary to conduct orientation for farmer-beneficiaries on basic concepts of disaster risks and climate change.

Package 2: Capacity Building for Local and Barangay Officials

1. Enhance awareness and understanding of local and barangay officials in the basic concepts of disaster risks and climate change; and
2. Capacitate local and barangay officials with basic skills necessary to mainstream disaster risks and climate change considerations in planning at the barangay level.

Package 3: Emergency Planning and Mock Drills

The main objective of the series of activities (including flood drill) is to capacitate local and barangay officials on emergency planning including the conduct of mock drills. This will reinforce understanding of the various players and their respective roles in implementing a Flood Emergency Plan.

Awareness and Preparedness for Emergencies at Local Level (APELL)

Coordination on Emergency Planning
Barangay Profile
Flood Hazard Maps
Identification of Elements at Risk
Flood Emergency Plan
(alert warning signals, basic communication protocols, resources needed, evacuation routes and sites, search and rescue protocols, post-disaster needs assessment)

Mock Drills
Activating the Disaster Emergency Plan and Organizational Structure of the Barangay
Activating communication protocols at various alert levels
At red alert level, activate the systematic evacuation plan, mobilizing transport

TARGET PARTICIPANTS
Municipal Disaster Risk Reduction & Management Council
Municipal Disaster Risk Reduction & Management Office
Barangay Disaster Risk Reduction & Management Office
Regional Representative of Office of Civil Defense (OCD)
Community Residents of the Barangays, DA, PCIC

Responsible Party: Climate Change Commission (CCC)
Capacity of Farmers and Farmer Associations Developed to Increase the Resilience of Agricultural Production

The WIBI Mindanao Project aims to implement two adaptation measures that specifically aim at increasing the resilience of agricultural production in the project sites.

1. Farmer’s Decision Support System

This system uses a software called Rice Crop Manager (RCM) developed by Agricultural Training Institute (ATI) and International Rice Research Institute (IRRI) which computes the most appropriate agricultural inputs based on local environment and real-time weather information. The data to be collected are the following: 1) existing fertilizer use; 2) soil type; and 3) crop variety.

Rice Crop Manager

Uses results of research and existing knowledge to provide farmers in irrigated and rainfed lowlands with ‘precise’ field- and farmer-specific recommendations. It also uses advances in information and communications technology (ICT) to provide professional extension and advisory services.

The Challenge:
Best adapted varieties and best practices for growing rice differ among fields and farmers

The Opportunity:
Provide farmers with information personalized for their specific farming situation

“A comprehensive decision support tool for increasing yields and income for farmers in the Philippines”

RCM can be accessed through laptop, smartphones or tablets.

How to Use RCM

1. Access through web browser (HTML).
2. Accomplish sets of questions online or offline.
3. Submit online for automatically calculated recommendation.
4. Download and print the recommendation.

Benefits of RCM

Increase income
(Php 4,500.00 per hectare per cropping)

Reach more farmers with extension services

Increase yield

Access RCM through this address: http://webapps.irri.org/ph/rcm

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