



**BNPB**

**Project for Enhancement of the Disaster Management  
Capacity of BNPB and BPBD**



WCDRR Public Forum on “Building Resilience at the Local Level”

# **Integrating Resilient Village into Building Resilient District/City**

**- lessons learned from the experience of the JICA Project -**

**17 March 2015, Sendai**

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# Contents

- ◆ Brief Introduction of JICA Project for Enhancement of DM Capacity of BNPB & BPBD
- ◆ CBDRM Activities in the Project
  - ◆ Implementing Policy and Procedure
  - ◆ Brief Introduction of the Activities
- ◆ Findings through the Project Activities and Future Recommendation for more sustainable CBDRM activities

# Summary of the JICA Project (1/2)



Project Name	The Project for Enhancement of the Disaster Management Capacity of BNPB and BPBD	
Duration	November 2011 – November 2015 (4Years)	
Overall Goal	The Provincial BPBDs as well as the District/Municipality BPBDs beside the pilot areas will be established and their disaster management (DM) capacities will be enhanced using the same method as in the Project.	
Project Purpose	Enhancement of the DM capacities of BNPB, the Provincial BPBDs, and the District/Municipality BPBDs in the pilot area.	
Outputs	[Output 1]: Disaster Data/Information Mgmt	Improvement of the capacity for the District/Municipality BPBDs to <b>accumulate disaster data/information</b> that is fundamental for disaster risk management and improvement of the accuracy of such data/information.
	[Output 2]: Hazard/Risk Mapping	Creation of <b>Hazard and Risk Maps</b> at the district/municipality level in the pilot area.
	[Output 3]: DM Planning	Formulation of <b>Regional Disaster Management Plans</b> for districts/municipalities in the pilot area.
	[Output 4]: DM Drills/CBDRM	<b>Disaster Management Drills</b> are to be conducted in the pilot provinces as well as in districts/municipalities in the pilot provinces.

# Summary of the JICA Project (2/2)



Target Disaster	1)Earthquake, 2)Tsunami, 3)Volcanic Eruption, 4)Flood, 5)Landslide, 6)Drought, 7)Destructive Wind, 8)Forest Fire
Counterparts (C/Ps)	1) BNPB (Jakarta) 2) Provincial BPBD of North Sulawesi Prov. and District/Municipality BPBDs 3) Provincial BPBD of West Nusa Tenggara Prov. and District/Municipality BPBDs
JCC Members	1) Indonesian Side: BNPB, Provincial BPBD of North Sulawesi/West Nusa Tenggara and District/Municipality BPBDs 2) Japanese Side: JICA Indonesia, JICA Expert Team, JICA HQ, Other JICA Experts, others if necessary 3) Observers: Ministries, Research Institutes, Donors, NGOs / NPOs, etc.
Beneficiaries	1) Direct Beneficiaries: BNPB, BPBD of North Sulawesi and West Nusa Tenggara 2) Indirect Beneficiaries: Residents of Pilot Provinces
Project Pilot Area	1) North Sulawesi Province (Sep 2012- Mar 2014:19 Months) 2) West Nusa Tenggara (April 2014- Oct 2015: 19 Months)

# Relationships among Outputs of the Project

## Overall Goal

Provincial as well as regencies/ municipalities BPBDs outside the pilot areas are established, and the disaster management capacities are enhanced by utilizing the same method as this project.

## Project Purpose

The disaster management capacities of BNPB, provincial BPBDs in the pilot areas, and the regencies/ municipalities BPBDs in these provinces are enhanced.

## Improvement of Capacity for Emergency Response

Output 4(2): Implementation of CBDRM Activities

Collaboration

Output 4(1): Implementation of Disaster Management Drills (Map Exercises)

## Essential Information for Formulation of Disaster Management Plan etc.

Output 1: Capacities of Disaster Data/ Information Collecting and Accumulating

Utilization

Output 2: Development of Hazard and Risk Map

Utilization, Feedback

Consultation

## Formulation of Disaster Management Plan

Output 3(1): Formulation of Regional Disaster Management Plan and Disaster Risk Management Action Plan

Consultation

Output 3(2): Contingency Plan

Consultation

Output 3(3): Revision of SOPs

Utilization, Feedback

# Activities of Output 4-(2): CBDRM

# CBDRM Activities in the Project

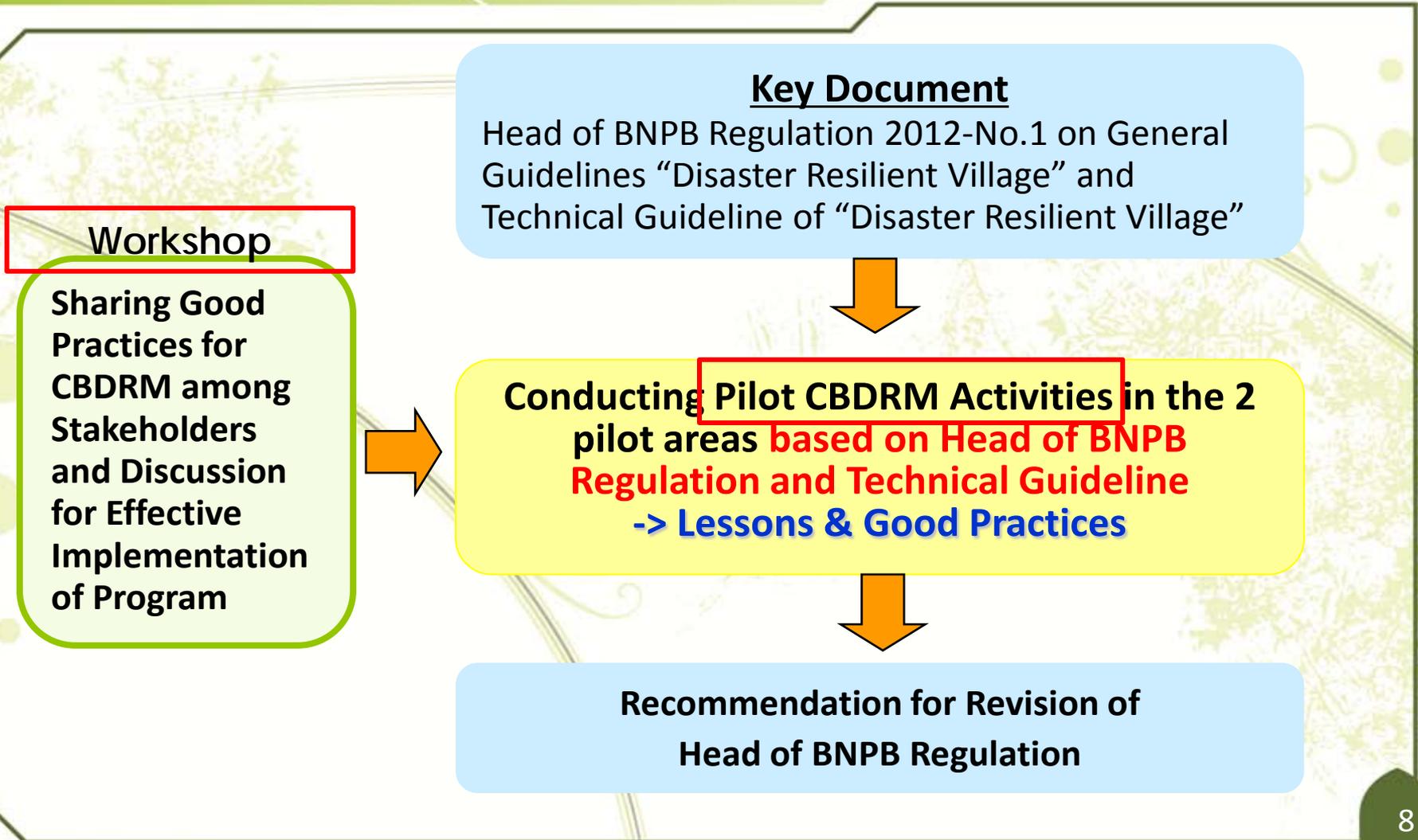
Community empowerment for disaster risk management (DRM) is an important element to reduce negative impacts of disasters.

It is important to increase DRM capacity of communities periodically and continuously to ensure sustainability of community activities.

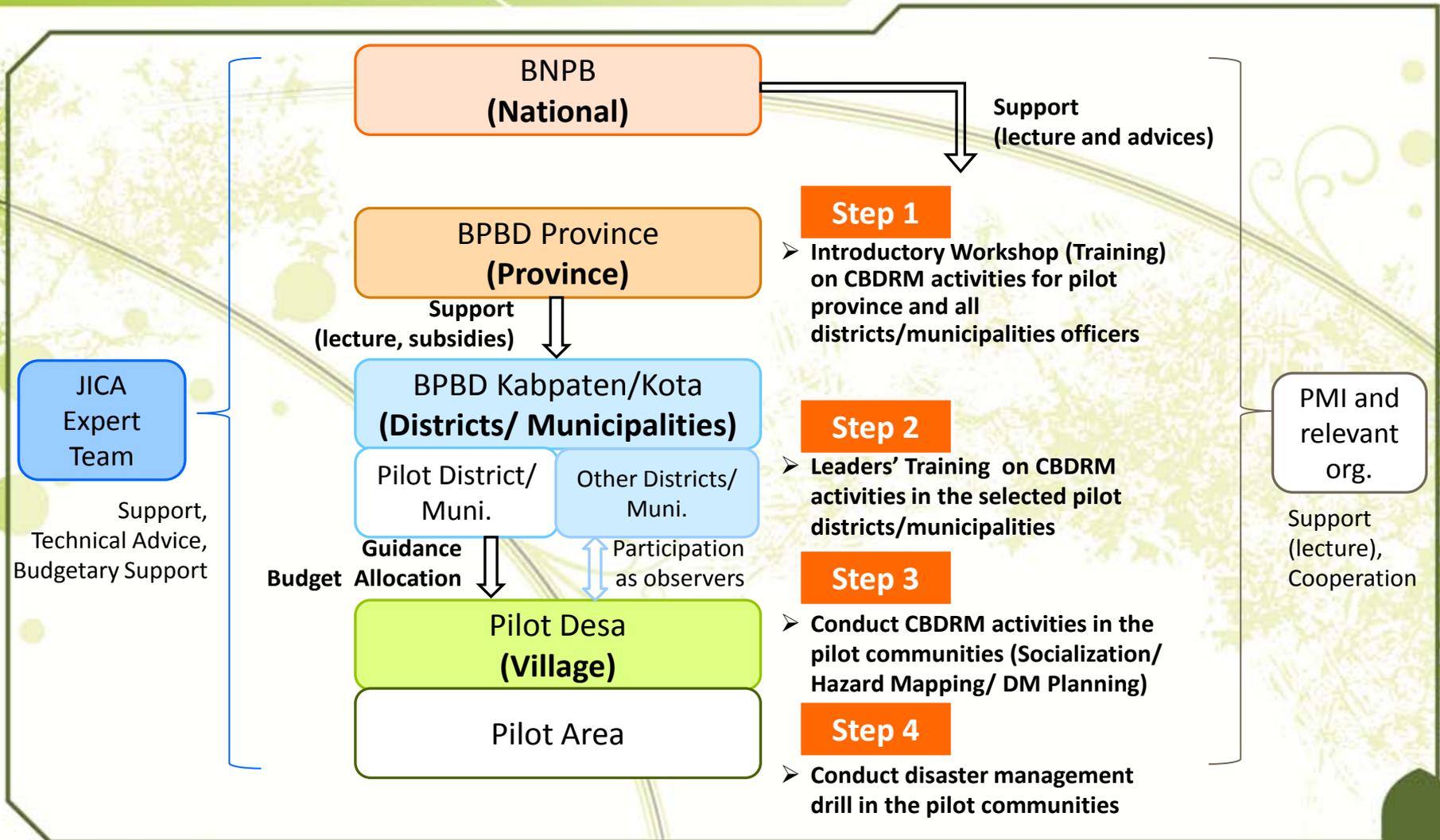
## Project Activities:

- To disseminate communities the program for CBDRM prepared by BNPB and increase DRM capacity of communities **by involvement of Districts/Municipalities BPBD** (local disaster management office)

# Implementation Policy



# Implementation Procedure



# Step 1

## □ Introductory Workshop/Training on CBDRM for all Districts/ Municipalities in the Pilot Province



### Purpose:

- ◆ To socialize (Provincial and District/ Municipality BPBD officers in charge of CBDRM in the Pilot Province with the Head of BNPB Regulation 2012-No.1: General Guideline “Disaster Resilient Village”
- ◆ To facilitate BPBD officers’ sound understanding on the activities which should be conducted in the villages based on Technical Guideline “Disaster Resilient Village”
- ◆ To enhance BPBD officers’ knowledge on disasters and disaster risk management



## Step 2

# Leaders' Training on CBDRM Activities in the Selected Pilot District/ Municipality



### Purpose:

- ◆ To enhance capacities of staff members in the pilot District/Muni. BPBD to organize CBDRM activities in their area and especially to make them to implement similar activities only by themselves after the pilot activities.
- ◆ To provide appropriate knowledge on CBDRM to the heads of disaster prone villages in the pilot District/Muni. to promote CBDRM activities in their villages



## Community Workshops in the selected village (1)

### Purpose

- ◆ To enhance capacities of staff members in the pilot District/Muni. BPBD to organize CBDRM activities in their area and especially to make them to implement similar activities only by themselves after the pilot activities based on Perka No. 1 Year 2012 about Disaster Resilient Village
- ◆ To provide appropriate knowledge on CBDRM to the village officers and community members in the pilot village to promote CBDRM activities through (1) Socialize the concept of “Disaster Resilient Village”, (2) Analyze and map out Hazard, Vulnerabilities and Capacities for Disaster Risk Management in the village, and (3) Formulate a draft Disaster Management Plan of the village, and (4) Strengthen the community-based early warning system for their disaster risks



## Community Workshops in the selected village (2)

### Discussion:

#### Actions in each DM Phases



#### Internal & External Vulnerabilities



#### Seasonal Calendar



#### Institutional Analysis



#### HVC Assessment



#### Community-based EWS



## Community Workshops in the selected village (3)

Town Watching and Hazard Mapping:

Utilization of Draft Risk Map developed under Output 2



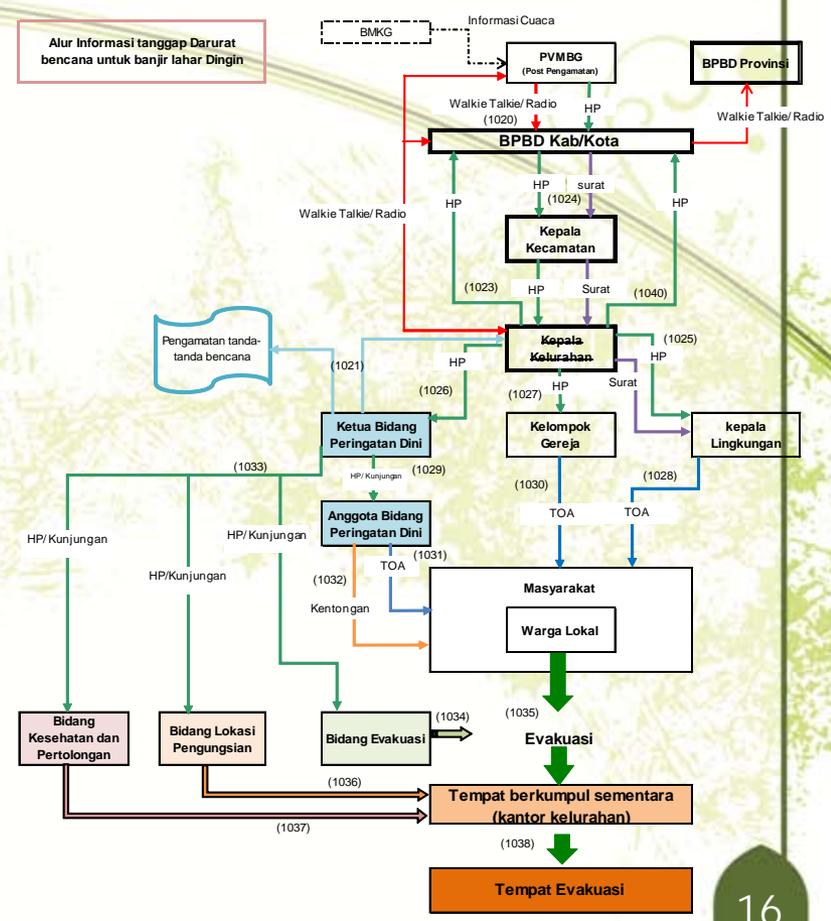


## Community Workshops in the selected village (5)

### Practical Exercises: First Aid and Establishment of Tent



### Planning of DM Exercise:



# Step 4

## Disaster Management Exercise (1)



Collaboration with CPX conducted at District Level (Output 4-(1))



River Observation By EW Volunteer



Head of Area informed Issuance of Evacuation Advice



Announcement of Evacuation Advice by TOA



Dissemination of Evacuation Advice



Evacuation Action



First Aid Treatment for Injured



Evacuation Site



Move to Evacuation Site by Trucks



Tent for Evacuees

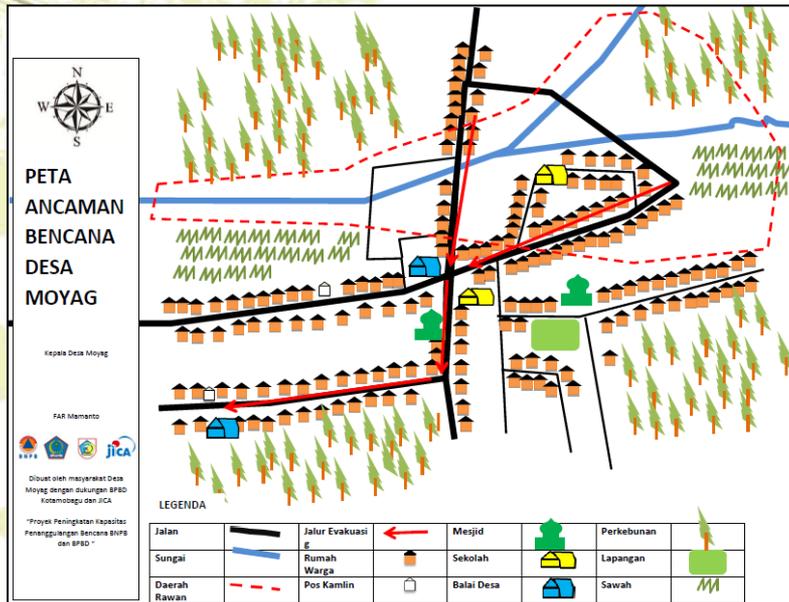


Report of Data of Evacuees

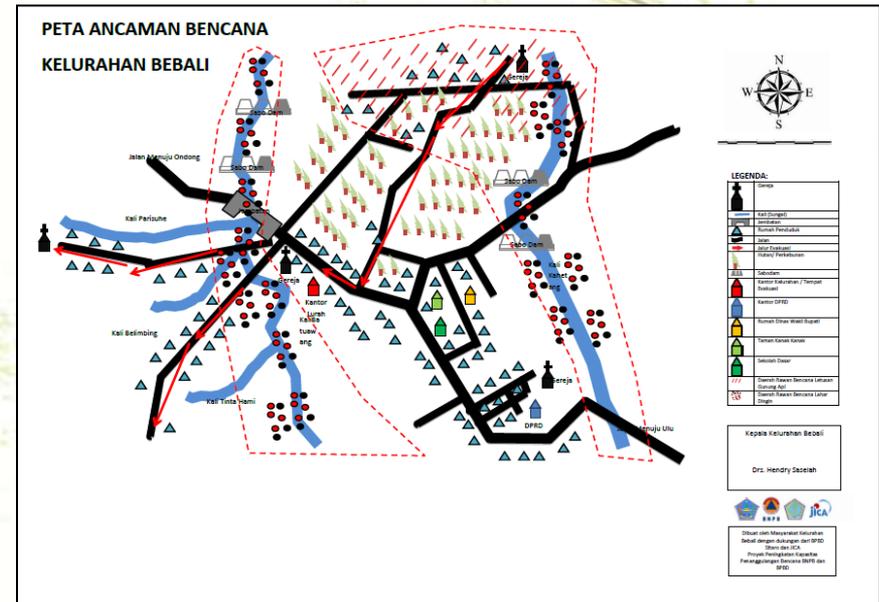
## Finalizing Village DM Plan & Community Hazard Maps based on the result of DM Exercise

**Collaboration with Output 2 (Hazard & Risk Mapping)**

- Finalizing Community Hazard Maps



Community Hazard Map for village Moyag



Community Hazard Map for Kel. Bebali

## Findings



- Through the Project Activity, BPBD Province officers enhance their awareness of the importance of CBDRM activities and trying to support District/Muni. BPBD activities
- If proper knowledge and technical information is provided through the training program, District/Muni. BPBD officers have capacities to conduct the CBDRM activities
- Easy-to-understand template/ manuals help the BPBD officers to conduct the activities
- Collaboration with other outputs (DM Planning and Hazard & Risk mapping) was very effective for the activities for both sides
- Communities prone to disasters have willingness to conduct CBDRM activities with the support of District/Muni. BPBD

## Points to be improved for future enhancement of CBDRM activities



- Lack of budget for CBDRM activities in each BPBD (Province/ District & Muni.)
- Less opportunities of training program on CBDRM for BPBD officer, especially District & Muni. Level
- Current BNPB pilot activities is only focusing on the selected District/Muni. BPBD and done mainly/usually by consultants
- Community people would like to conduct the CBDRM activities with some structural measures to mitigate disasters
- Currently only socialization (awareness) program for community is usually planned and conducted in BPBD. More practical exercise is necessary.

Thank you for your attention!