



# **The Philippines CBDRRM Experience**

*A Public Forum on Building Resilience at the Local Level  
Organized by JICA, BNPB and ADRC  
17 March 2015, 9:11-11:45*

**MS. LENIE DURAN-ALEGRE**

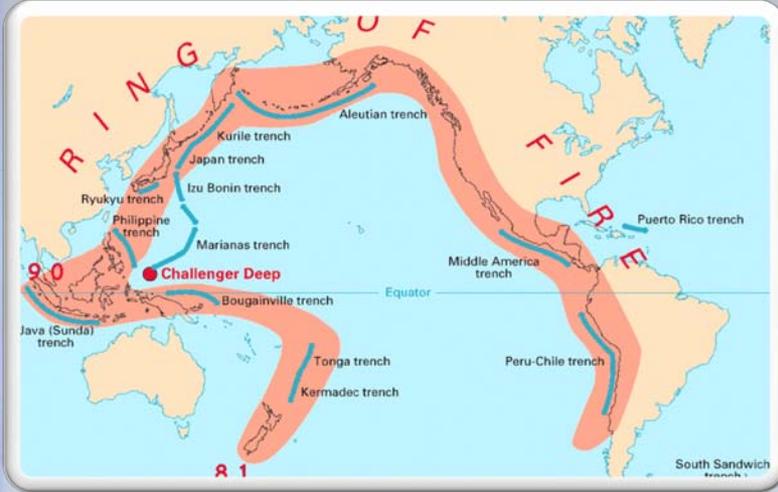
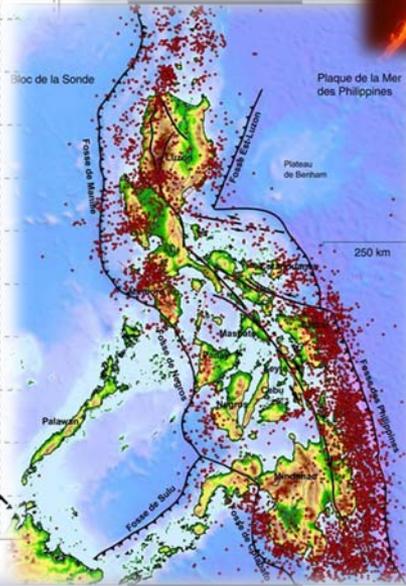
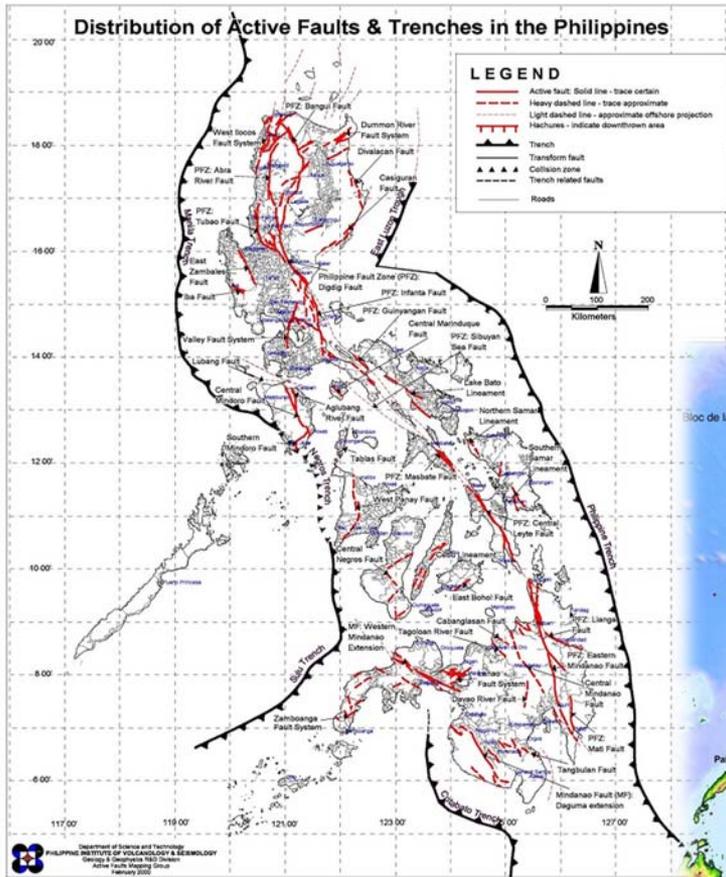
**Chief, National DRRM Service, OCD and Head Secretariat, National  
Disaster Risk Reduction and Mgmt Council  
Government of the Philippines**

# Scope of Presentation



- Philippines DRRM Act of 2010
- The TY Yolanda (Haiyan) and other DRRM Experiences
- CBDRRM Policy Implementation
- Challenges and Way Forward

# RP Disaster Risk Profile



The Philippine Archipelago occupies the western rim of the Pacific Ocean (Western Segment of the Pacific Ring of Fire), a most active part of the earth that is characterized by an ocean-encircling belt of active volcanoes and earthquake generators (fault lines).

# Historical Perspective (44 years)



From 1970 - 2014, a total of 875 Tropical Cyclones (TCs) entered the Philippine Area of Responsibility (PAR). Three hundred twenty-two (325) of these TCs were considered destructive (average of 7 TCs annually) in terms of the following:

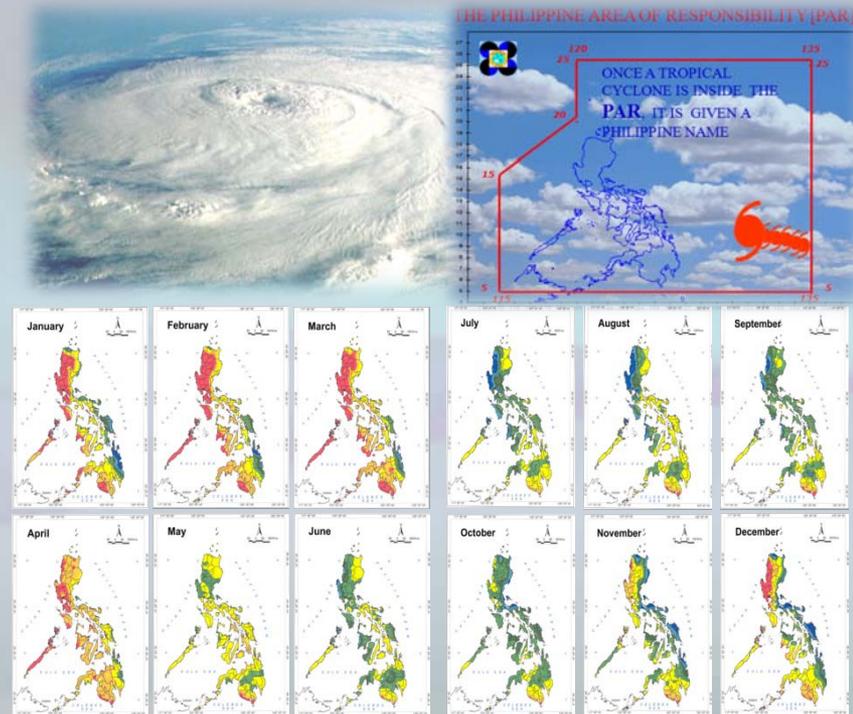
Casualties

Number of Population Affected

Damages to Properties

Damages to Agriculture

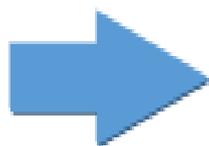
Damaged Infrastructure



# Paradigm Shift (from Reactive to Proactive)



PD 1566  
June 11, 1978



RA 10121  
May 27, 2010



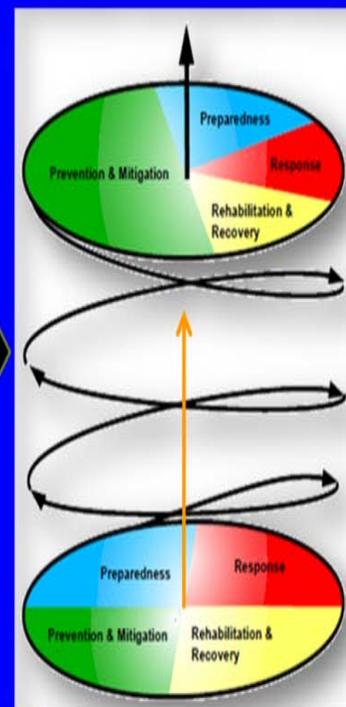
National Disaster  
Coordinating Council



National Disaster Risk Reduction  
and Management Council

Safer, adaptive and resilient Filipino  
communities toward sustainable development

RISK  
FACTORS  
Hazards  
Exposures  
Vulnerabilities  
Capacities



DRR and CCA in  
Planning &  
Implementation

Prevention & Mitigation Preparedness Response Rehabilitation & Recovery

# Coordination Mechanism



The Office of Civil Defense (OCD) is the Secretariat and Executive Arm of the NDRRMC. It provides leadership on DRRM and maintains the NDRRMC Operations Center (NDRRMC OPCEN) 24/7

NATIONAL  
DISASTER  
RISK  
REDUCTION and  
MANAGEMENT  
PLAN

2011-2028



# NDRRMC Organizational Structure



**Chairperson**  
**Secretary of National Defense**

**Vice Chairperson**  
**Sec. DOST**  
Disaster Prev. & Mitigation

**Vice Chairperson**  
**Sec. DILG**  
Disaster Preparedness

**Vice Chairperson**  
**Sec. DSWD**  
Disaster Response

**Vice Chairperson**  
**Sec. NEDA**  
Disaster Rehab & Recovery

**14 Line  
Departments**

**11 Other Gov't  
Agencies**

**2 Gov't  
Financial Inst.**

**1 Quasi-Gov't  
Agency**

**4 Leagues & 1  
Union of LGUs**

**4 Civil Society  
Orgs.**

**1 Private Org.**

**OCD, Administrator  
Exec. Dir. NDRRMC**

 **Prevention & Mitigation**

 **Preparedness**

 **Response**

 **Rehabilitation & Recovery**

# DRRM Council Networks



**National Disaster Risk Reduction and Management Council**

**17 Regional Disaster Risk Reduction and Management Councils**

**81 Provincial Disaster Risk Reduction and Management Councils**

**144 City Disaster Risk Reduction and Management Councils**

**1, 490 Municipal Disaster Risk Reduction and Management Councils**

**42,027 Barangay Disaster Risk Reduction and Management Committees**

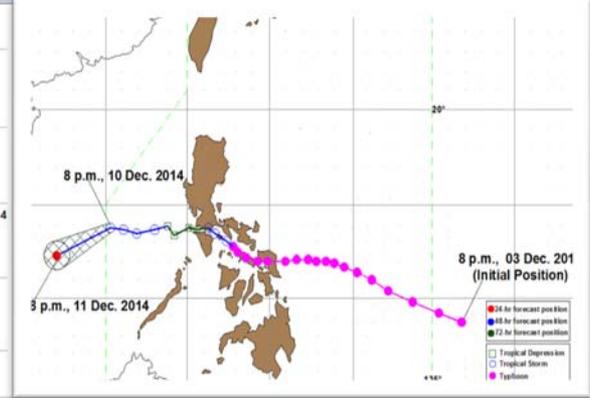
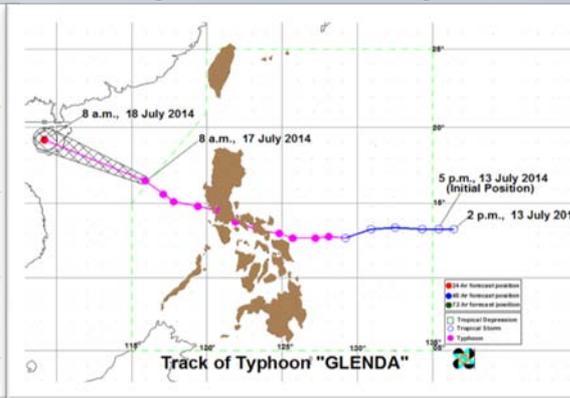
# COMPARATIVE ANALYSIS of recent TYPHOONS in the Philippines



## Typhoon "Yolanda" (Haiyan)

## Typhoon "Glenda" (Ramasun)

## Typhoon "Ruby" (Hagupit)



Characteristics	TYPHOON YOLANDA ("HAIYAN")	TYPHOON GLENDA ("RAMASUN")	TYPHOON RUBY ("HAGUPIT")
Maximum winds	235 kph	150 kph	215 kph
Gustiness	275 kph	180 kph	250 kph
Duration	4days 06-09 November 2013	5days 13-17 July 2014	7days 04-10 December 2014

# Summary of Effects



## CASUALTIES

### TY YOLANDA

6,300  
people dead

23,869  
injured

1,061  
Missing

### TY GLENDA

106  
people dead

1,250  
injured

5  
Missing

### TY RUBY

18  
people dead

916  
injured

NONE  
Missing

## AFFECTED POPULATION

3,424,593  
families

16,078,181  
persons

1,024,251  
families

4,653,716  
persons

826,589  
families

3,530,307  
persons

# Summary of Effects



## DAMAGED HOUSES

	TY YOLANDA	TY GLENDA	TY RUBY
<b>Total</b>	<b>1,084,312</b>	<b>633,680</b>	<b>106,616</b>
totally	489,163	112,067	58,119
partially	595,149	521,613	48,497

## AFFECTED REGIONS

<b>9</b>	<b>7</b>	<b>9</b>
Regions (Regions IV-A, IV-B, V, VI, VII, VIII, X, XI, & CARAGA)	Regions (Regions I, III, IV-A, IV-B, V, VIII, & NCR)	Regions (Regions III, IV-A, IV-B, V, VI, VII, VIII, & NCR)

# How did we do it?



## “GOVERNMENT + PEOPLE”

- ✓ Government provided the structure, resources and systems for DRRM
- ✓ People provided full cooperation and support

### Pre-Emptive Evacuation

TY YOLANDA	TY GLENDA	TY RUBY
161,973 families or 792,018 persons	50,191 families or 254,447 persons	146,875 families or 716,639 persons



*photo credit: GMA Network*

# Commendation from the Local and International Community



## UN lauds Philippines handling of Typhoon Hagupit (Ruby)



Alexander Pama (left), Executive Director of the Philippines' National Disaster Risk Reduction and Management Council, receives a briefing from a local meteorologist on the expected movement of Typhoon Hagupit. (Photo: Kenly Monteagudo)

"UNISDR believes that the Philippines government has done an excellent job of putting into action the lessons learned from Typhoon Haiyan. All arms of government, including PAGASA and the National Disaster Risk Reduction and Management Council, and municipalities like Tacloban have pulled together to save lives and minimize the damage being inflicted by this disaster event.  
- *UNISDR Chief Margareta Wahlström*

## UNDP Chief Helen Clark lauds Philippine Government for excellent handling of Typhoon Hagupit

11 Dec 2014

"..this extraordinary achievement is a clear reflection of the careful planning and strengthened institutional capacity of the relevant authorities....

- *UNDP Administrator Ms Helen Clark*

## Congratulations are in order

Philippine Daily Inquirer 7:20 AM | Saturday, December 13th, 2014

- *Solita Collas-Monsod*

# “Whole of Society Approach to DRRM”



# Pre-Disaster Risk Assessment – Actions, Protocols and Programs (PDRA-APP)



HAZARD



RISK



*Calculated Impact*

$$\frac{H \times E \times V}{C}$$



PREPAREDNESS  
LEVEL

1  
2  
3



IMPLEMENTATION  
OF ACTION  
PROGRAMS &  
PROTOCOLS PER  
AGENCY

Where:  
H= hazard  
E=exposure  
V=vulnerability  
C=capacity

NATIONAL



REGIONAL



LOCAL

**HAZARD SPECIFIC,  
AREA FOCUSED & TIME BOUND**



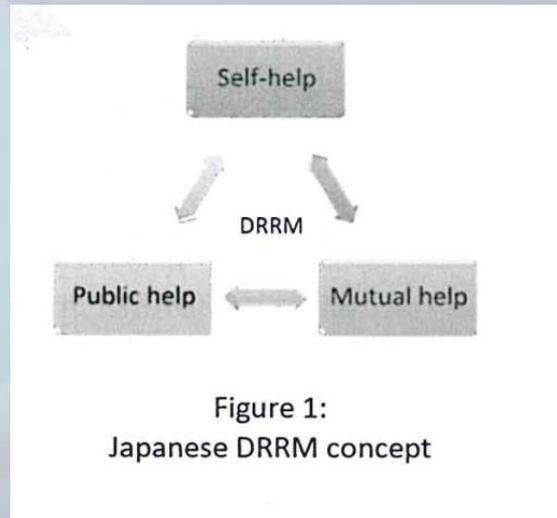
**“PDRA-APP  
cuts across the  
4 thematic areas”**

# CBDRRM National Policy



## Status

- \* *Final draft prepared*
- \* *Approved by TMG for Preparedness*
- \* *For formal approval of the NDRRMC Chairperson*




 JICA DRRM-CEP Team  
 Disaster Risk Reduction and Management (DRRM)  
 Capacity Enhancement Project  
c/o Office of Civil Defense (OCD), Camp General Emilio Aguinaldo Quezon City, Philippines

CBDRRM Component

CONCEPT PAPER FOR: THE REGULAR CONDUCT OF COMMUNITY BASED DISASTER RISK REDUCTION AND MANAGEMENT (CBDRRM): TRAINING OF TRAINERS, COMMUNITY TRAINING, AND THE IMPLEMENTATION OF RELATED SUPPORT ACTIVITIES

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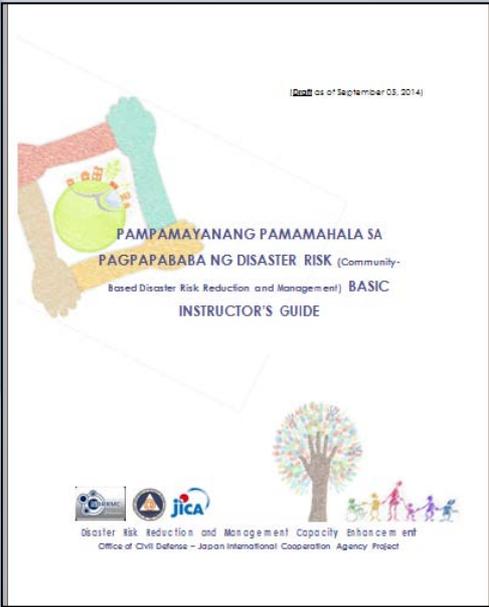
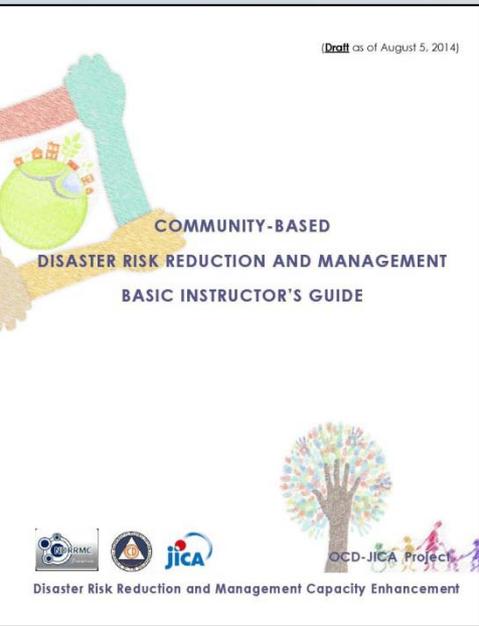
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# CBDRRM Training Course (Training Module and Basic Instructor's Guide)



- *Training module – approved by Chairperson, NDRRMC*
- *Basic Instructors Guide – approved by NDRRMC TMG*

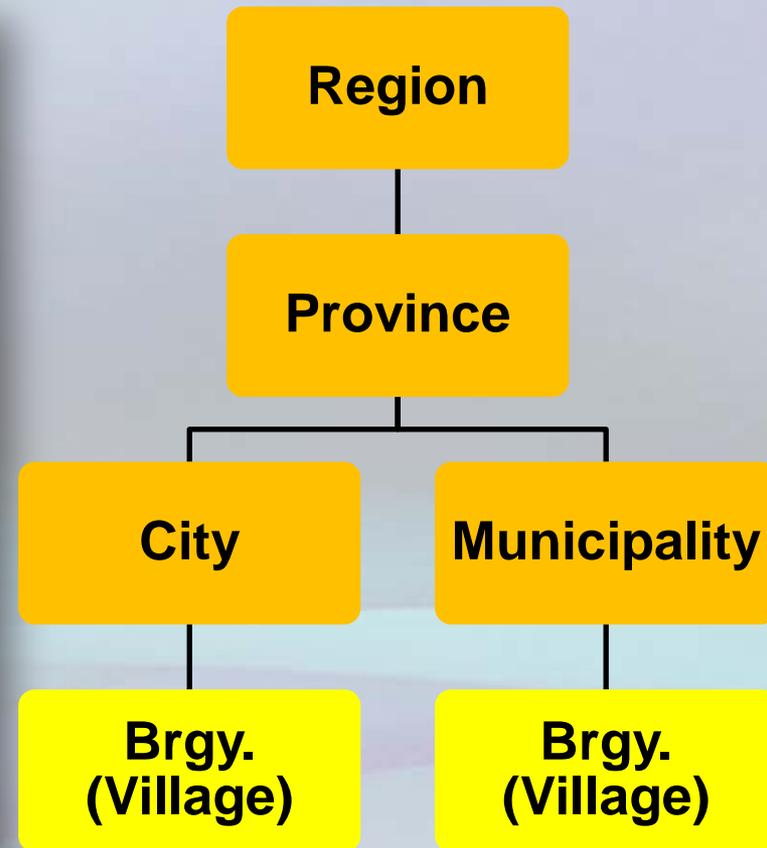
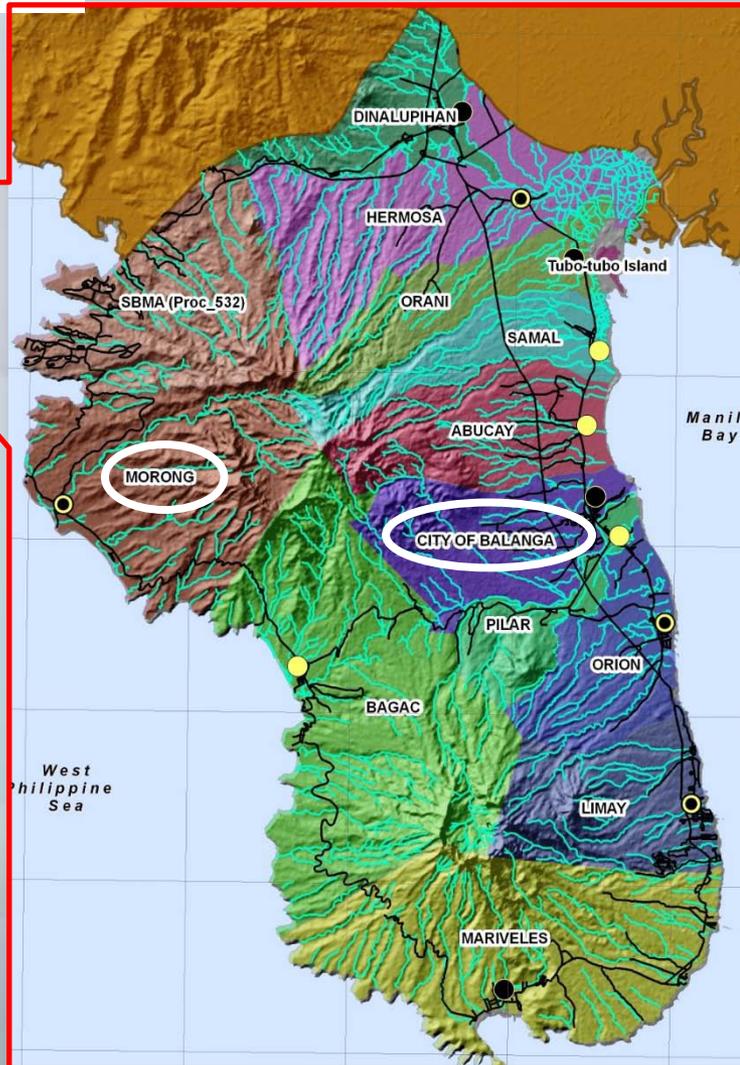
**Multi-stakeholder participation**  
Based on the materials and opinions from various agencies, organizations including private sector.



**Writeshop for revision of CBDRRM Basic Instructor's Guide:  
November 6 – 7, 2013**

# Pilot-testing and Plan of Action

## « Pilot Area »



Source:  
The BDRRMC  
PLAN(2014-2019)  
Province of Bataan

# Training of Trainers



## Multi-agency Trainers

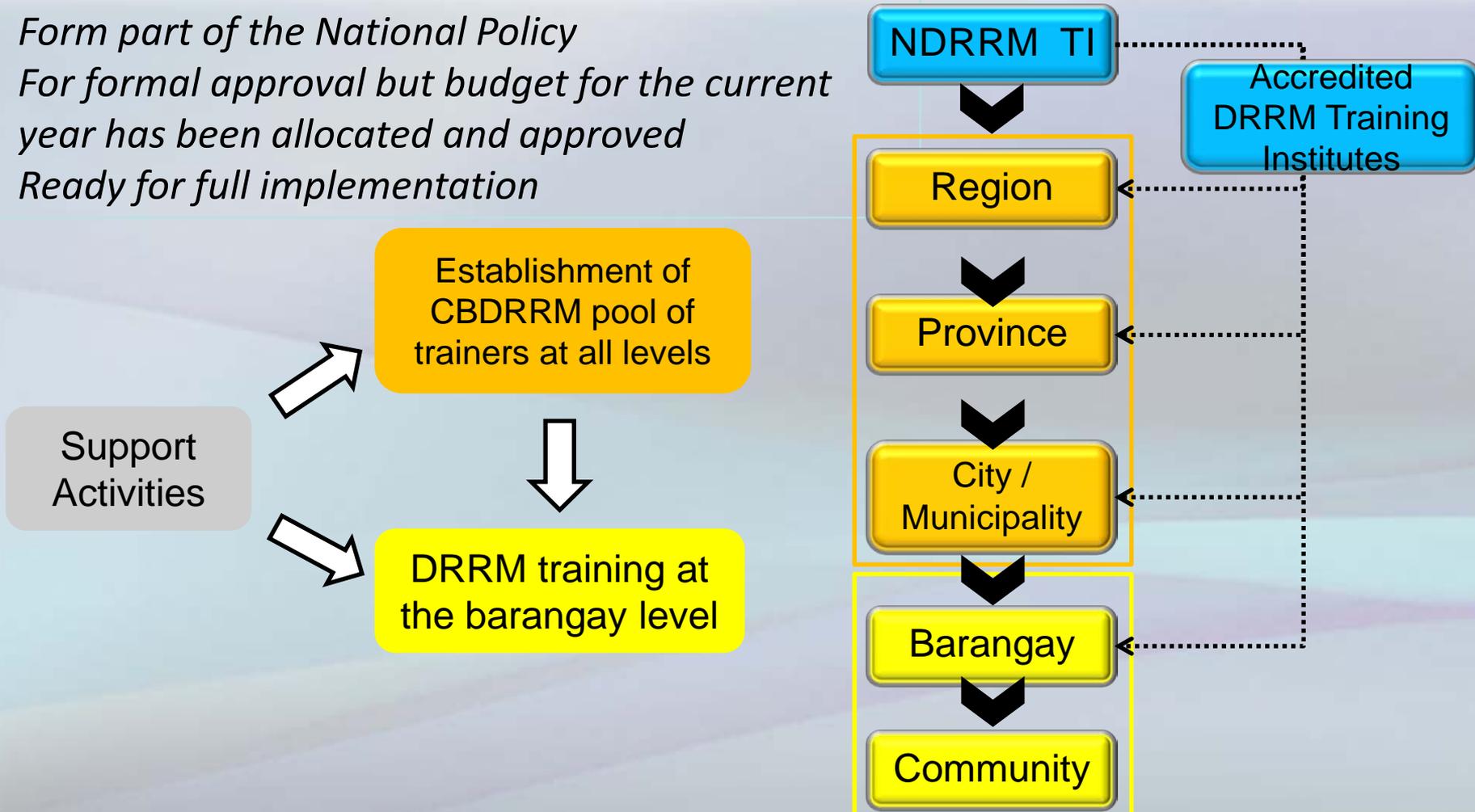
Participants from Local Government Units, Civil Society Organizations, Non-Government Organizations & Other Partners  
Active engagement of barangay officers and communities



# CBDRRM Implementation/Action Plan



- *Form part of the National Policy*
- *For formal approval but budget for the current year has been allocated and approved*
- *Ready for full implementation*



# Challenges



- 1) Fund Allocation at all level
- 2) Implementation at the local level
- 3) Dedicated and responsible Person

# Way Forward



**“CBDRRM is a priority program of the OCD and NDRRMC “**

- 1) Disseminate National Policy
- 2) Roll-out the CBDRRM Training Course to LGUs through DRRM Councils
- 3) Develop CBDRRM advocacy programs
- 4) Ensure continuous allocation of funds for the conduct of the CBDRRM Training and printing requirements of the Basic Instructors Guide
- 5) Regular Monitoring and evaluation using the established database

# ROLE of MEDIA



- Mainstreaming CBDRRM consciousness
- Delivery of real time information and preparedness tips



"I challenge my media friends to join us and engage in the DRRM paradigm shift"

# CONCLUSION



- **Successful DRRM System does not rest with the NDRRMC and the Government alone. It calls for the proactive cooperation of the entire nation, to include private sector, we need to act as one**
- **We need to continue our commitment for reforms and increase the awareness of the public on DRR to ensure positive outcomes**

***USec Alexander P. Pama, OCD Administrator and NDRRMC Executive Director***



# THANK YOU



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