



# Disaster Risk Reduction

Building a Culture of Disaster Preparedness and Resilience Among Communities in Ormoc City, Philippines Post-Haiyan

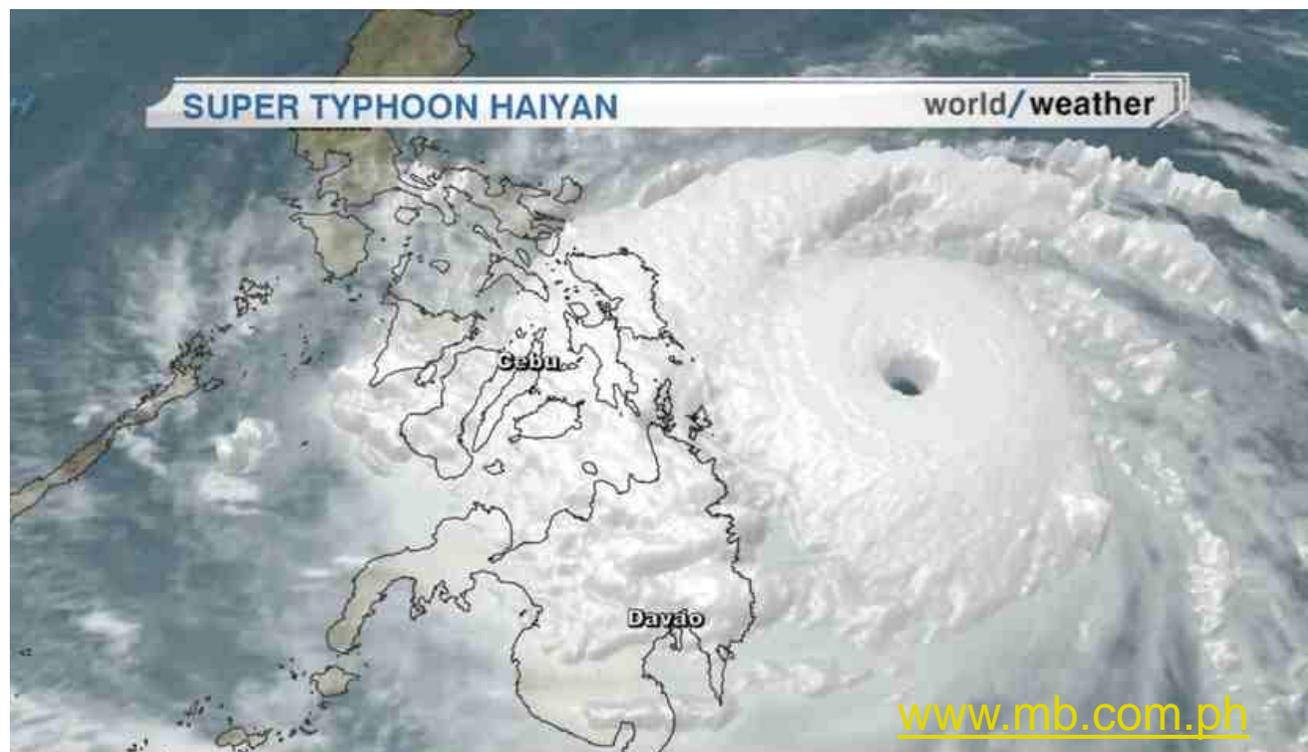
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# Super Typhoon Haiyan

## 8 November 2013:

- Typhoon Haiyan, known in the Philippines as **Typhoon Yolanda**, was one of the strongest tropical cyclones ever recorded
- The deadliest Philippine typhoon on record



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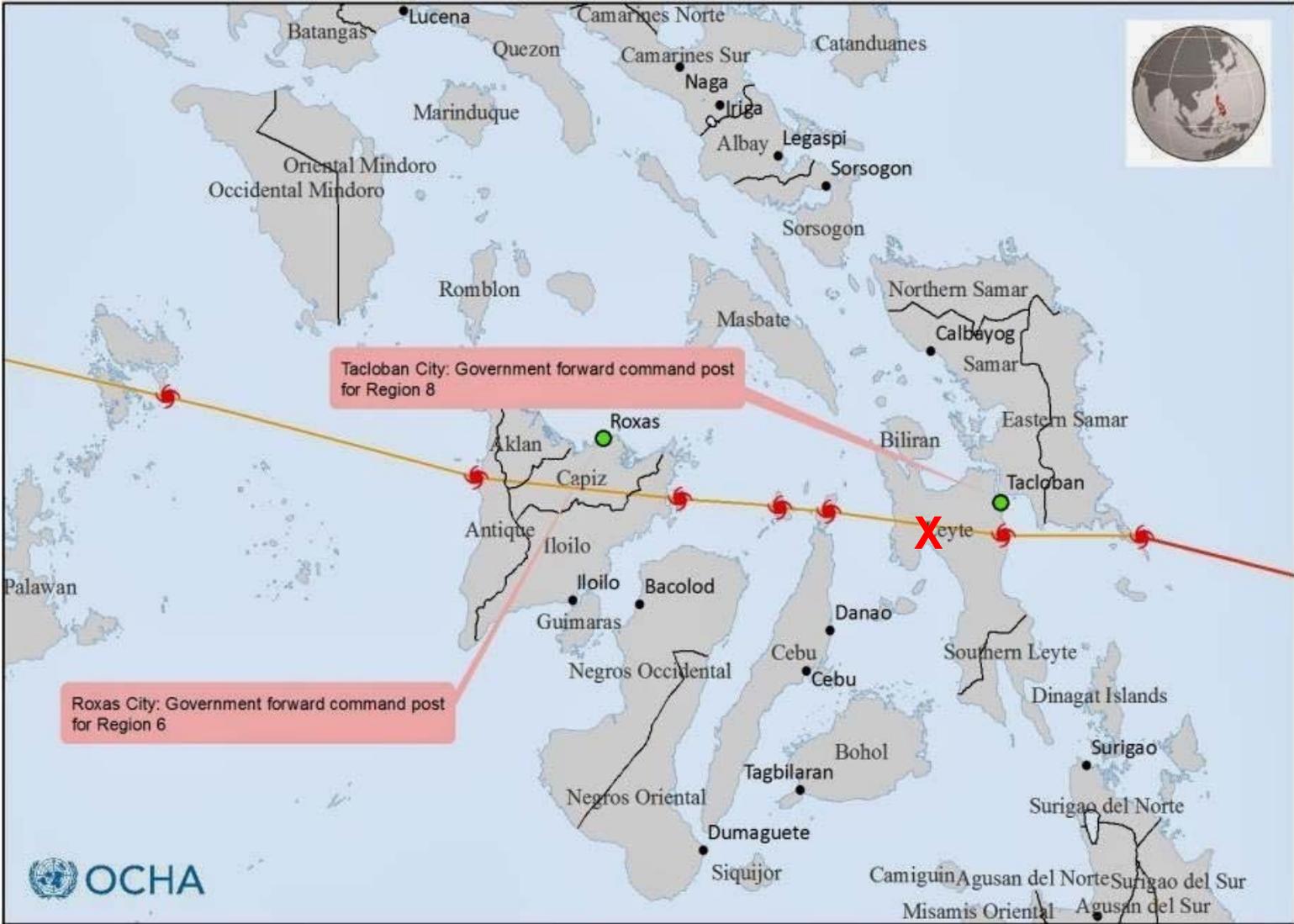


# Haiyan Numbers at a Glance

- **16 million** People Affected
- **6,300** Deaths
- **4.1 million** People Displaced
- **1.1 million** Houses Damaged

*Source: National DRRM Council (17 April 2014)*

# Typhoon Path, Leyte



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# Ormoc City, Leyte



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# MERCY Malaysia's Haiyan Response

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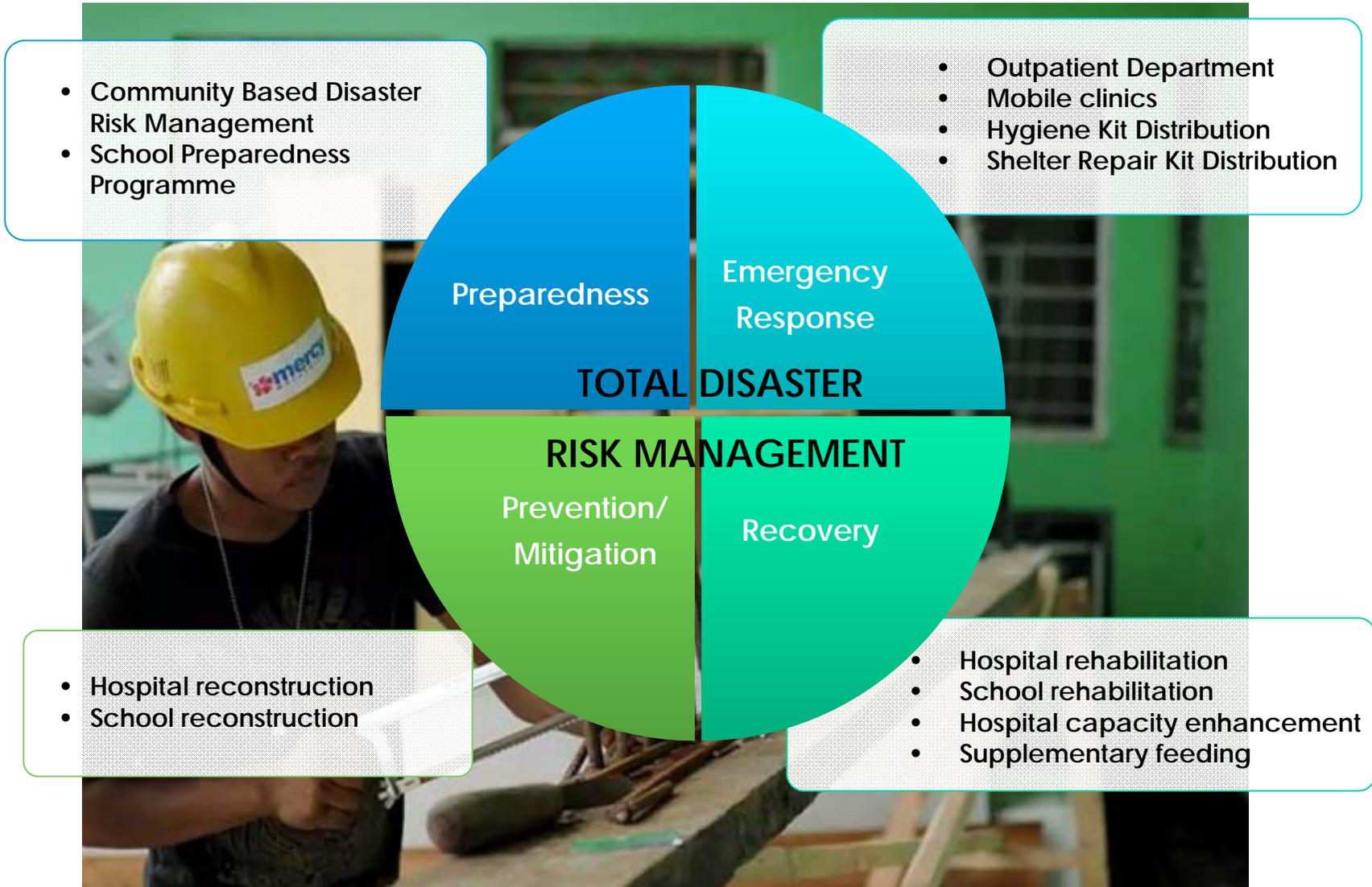


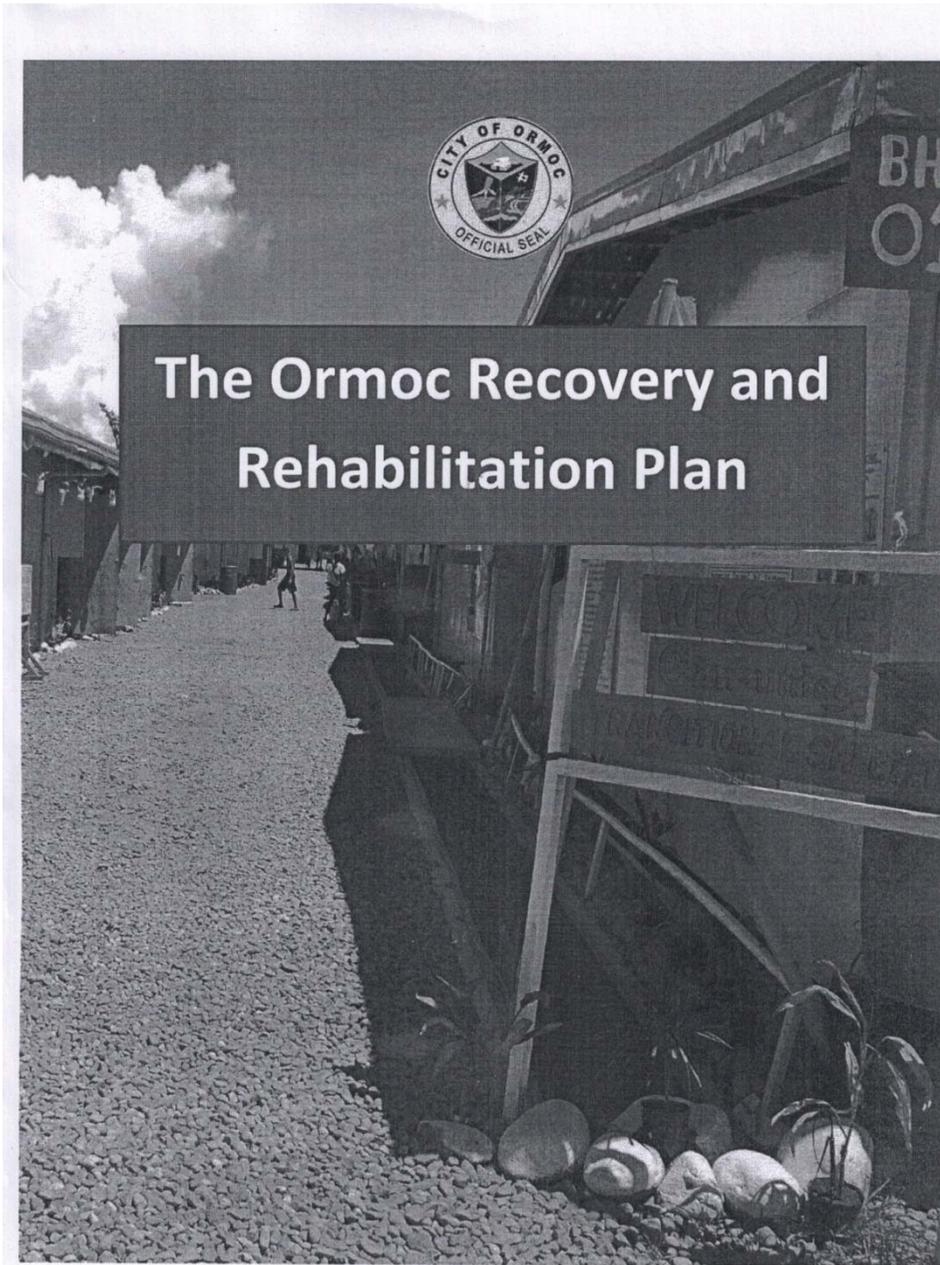
# Brief Background



**MERCY Malaysia** is a non-profit organization focusing on providing

# MERCY Malaysia's Approach

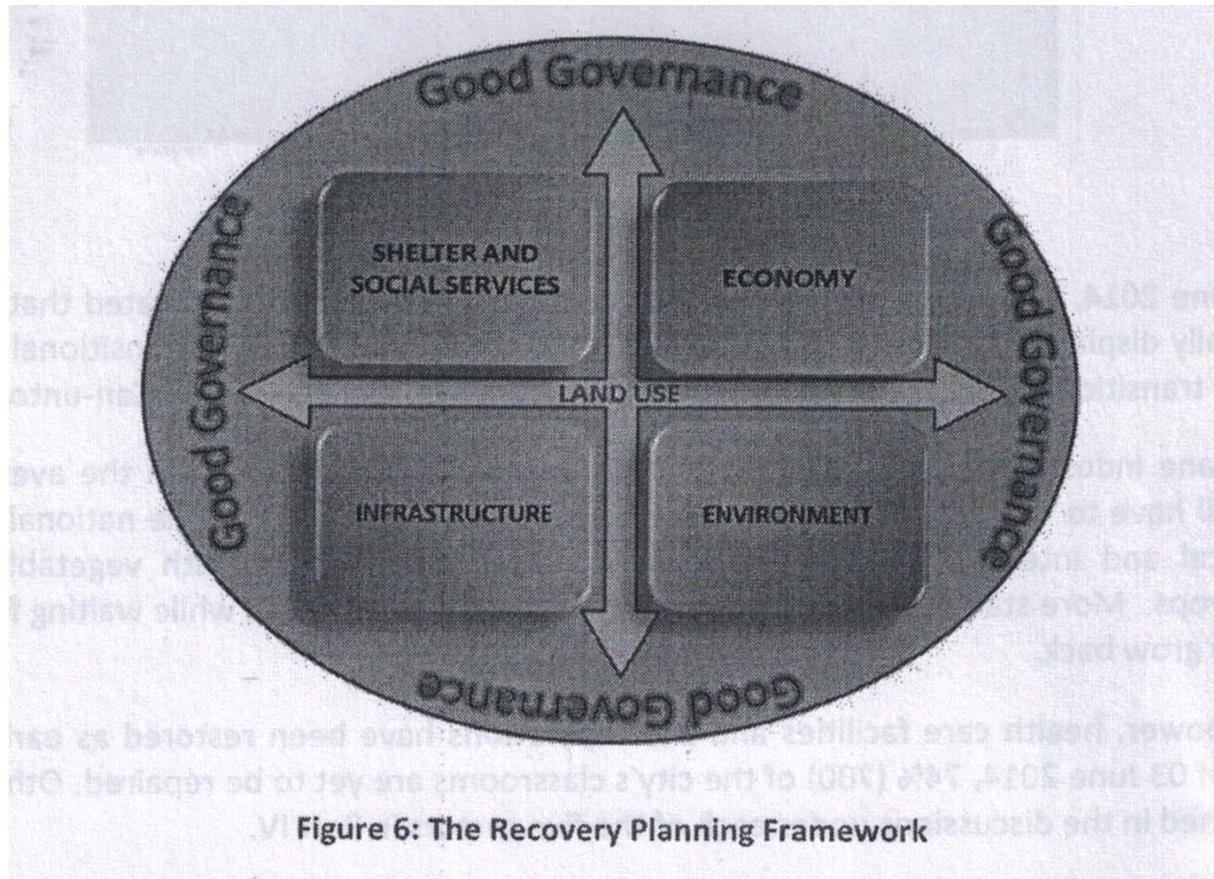




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# Sectors in the Recovery Plan

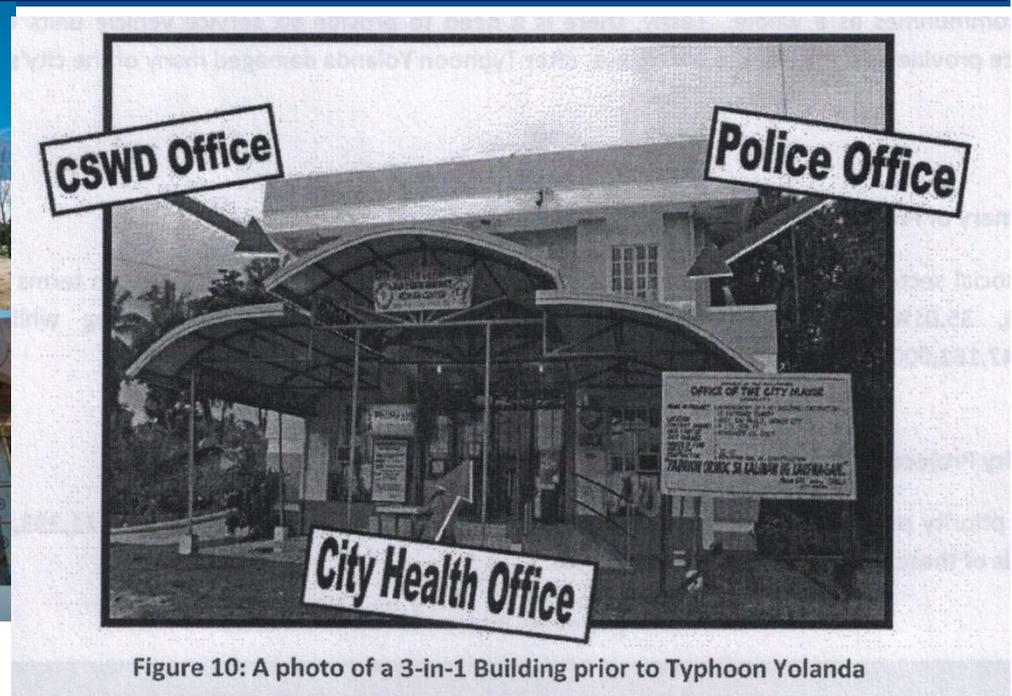
Table 6: Summary of Costs per Sector

SECTOR	ESTIMATED COST OF PROJECTS (in PhP)	% OF EST. COST
<b>Infrastructure Sector</b>	1,750,488,487	53.15%
<b>Resettlement Sector (Shelter)</b>	1,186,500,000	36.03%
<b>Social Sector</b>	72,561,000	2.20%
<b>Livelihood Sector</b>	206,000,000	6.25%
<b>Environment</b>	77,980,000	2.37%
<b>TOTAL</b>	<b>3,293,529,487</b>	<b>100.00%</b>

# A. Shelter Sector

- Partially damaged 18,750 houses
- Totally damaged 25,371 houses

# B. Social Sector



- 54 out of 110 health centers were damaged
- 104/110 of day care centers were damaged
- 665 malnourished children
- 169 totally damaged schools
  - As of June 2014 (70% are still unrepaired)

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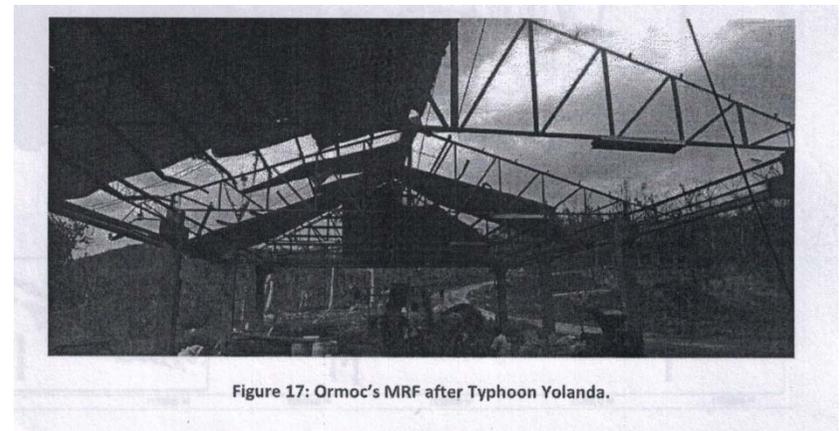
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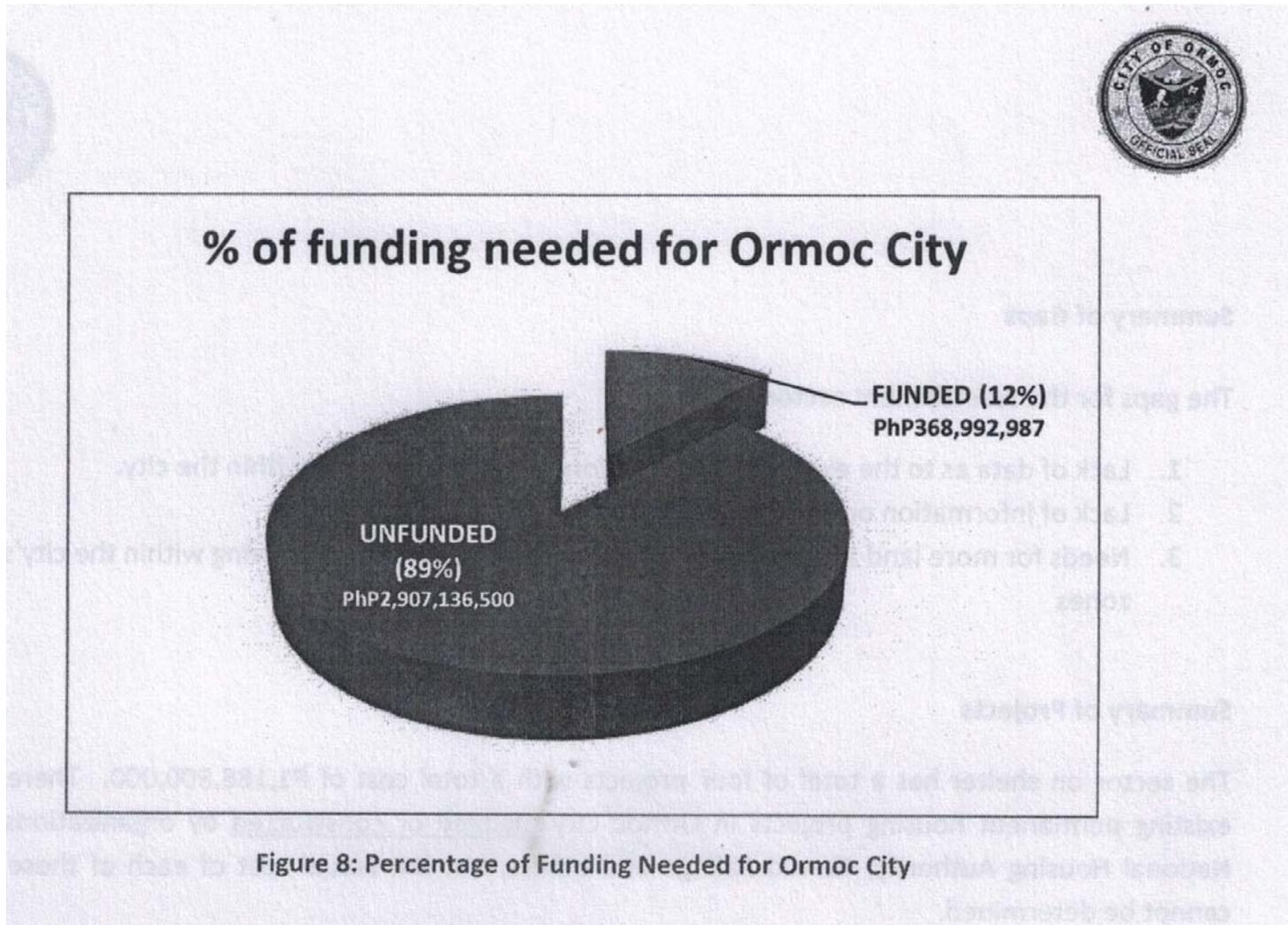
# C. Livelihood Sector

- Damages:
  - 900 hectares of rice plantation
  - 40% of the total sugarcane production for 2013
  - 1 million heads of broilers chicken
  - Coconut plantations
  - Business structures, goods, equipments used by MSMEs

# D. Environment Sector

- Damages:
  - Forest, ornamental and fruit-bearing trees
  - Debris after the typhoon
    - 640 truckloads (Nov 10 to Dec 31)
    - 750 truckloads (Jan to Feb 2014)
    - Huge impact on the capacity of the city landfill and MRF (damaged after typhoon)





# Anti-Seismic and Anti-typhoon Schools



Ballion Elementary School - January 2014



Ballion Elementary School - September 2014



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# MERCY Malaysia's Disaster Risk Reduction Program

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# Assessment of DRR Situation in Ormoc City

Slide 22

## 1. Local Government Unit (LGUs) have limited capacity on Disaster Risk Reduction

- **City Level** – officials are sensitized on DRR concepts but not institutionalized
- **Barangay Level** – only some officials are aware but DRR structure not functioning

## 2. Knowledge gap in the new Disaster Risk Reduction and Management (DRRM) Law

## 3. Communities are not prepared for disasters

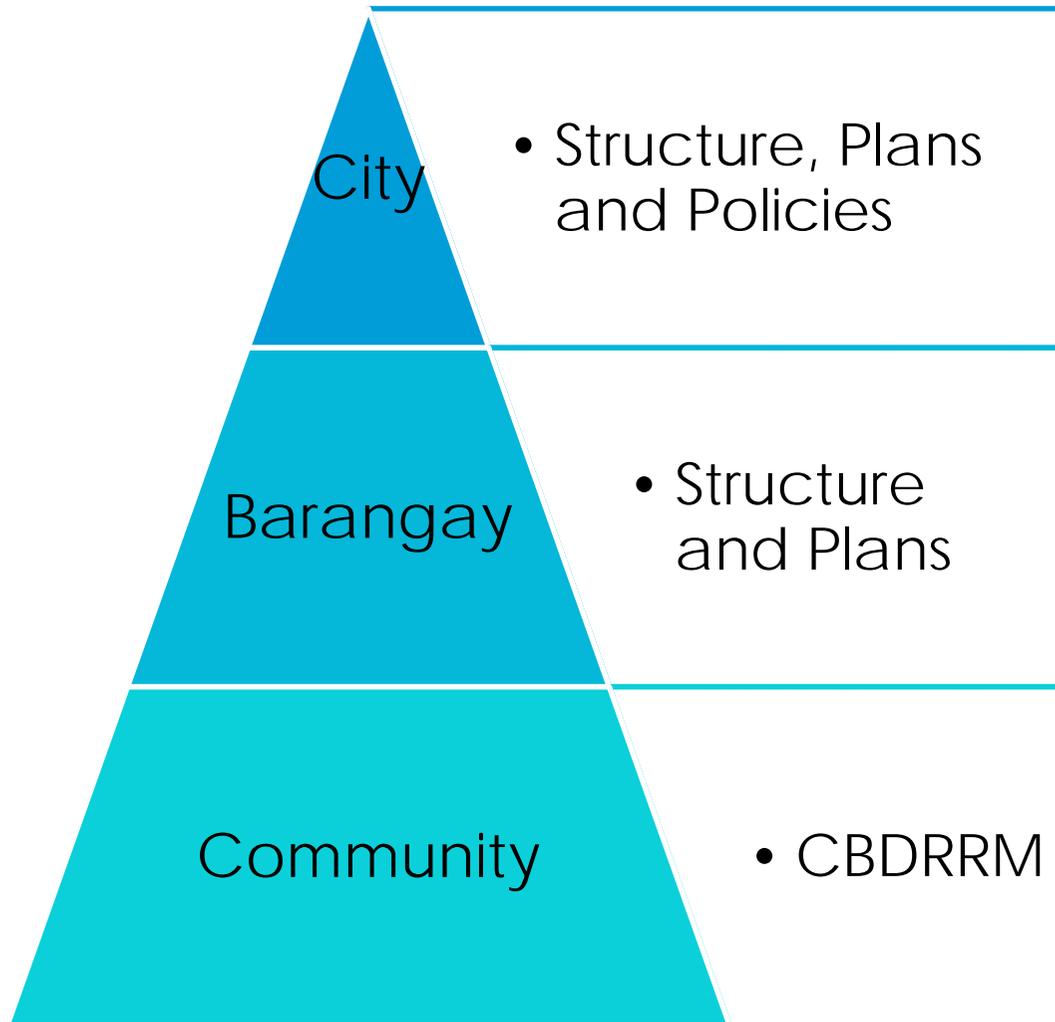
## 4. Children are vulnerable in times of disasters

- DRR is not yet mainstreamed in all schools

# The DRR Program Model



# The "Bibingka" Approach



# CBDRRM Program

## Community Based Disaster Risk Reduction Management (CBDRRM)



Decrease vulnerability of the community



Increase capacity of the community

- Components of the Program:
  - a. Phase I
    - CBDRRM Program at Brgy. Nasunogan
    - Local CSO Partners' CBDRRM Program
  - b. Phase II
    - School Preparedness Program



# Community Based Disaster Risk Reduction Management Program (CBDRRM)

## Risk Assessment/Sensitization/Consultation and Training/Capacity Development in Brgy. Nasunogan

CBDRRM Training of Trainers  
May 2014



Brgy Level Workshop  
May 2014



Purok (Community) Level Workshop  
June 2014



Village Watching Workshop  
July 2014

Social Preparation – Brgy Courtesy Call  
May - 2014



Community Selection (Beneficiaries)  
June 2014



# Outputs of the CBDRRM

## 1. Hazards and Resource Maps



## 2. Community DRRM Plan



# Projects Funded

- Community-Based Early Warning System
- First Aid Training and Provision of Equipment
- Community-Managed Hog-Raising Program

# Phase II: School Preparedness Program

- **SPP Training of Trainers**

- Local CSO Partners



Starts in  
November  
2014

- **SPP Training of Teachers and PTA**

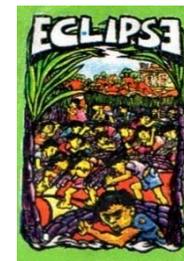
- **School Preparedness Workshop**

- School Watching and Children's Camp

- Implementation of DRR Projects in Schools

# Local Civil Society Organizations

- Partnered with four (4) local CSOs



- Trained the CSOs on CBDRRM
- Financed each CSO to conduct a CBDRRM Program in one barangay

# City and Barangay Local Government Unit Activities

Slide 31

- Focus on:

–S

–S

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# 1. Risk Sensitization

- City Level
  - Town Watching Workshop



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# Risk Sensitization



# Risk Sensitization

- **Barangay Level**
  - Village Watching Workshop

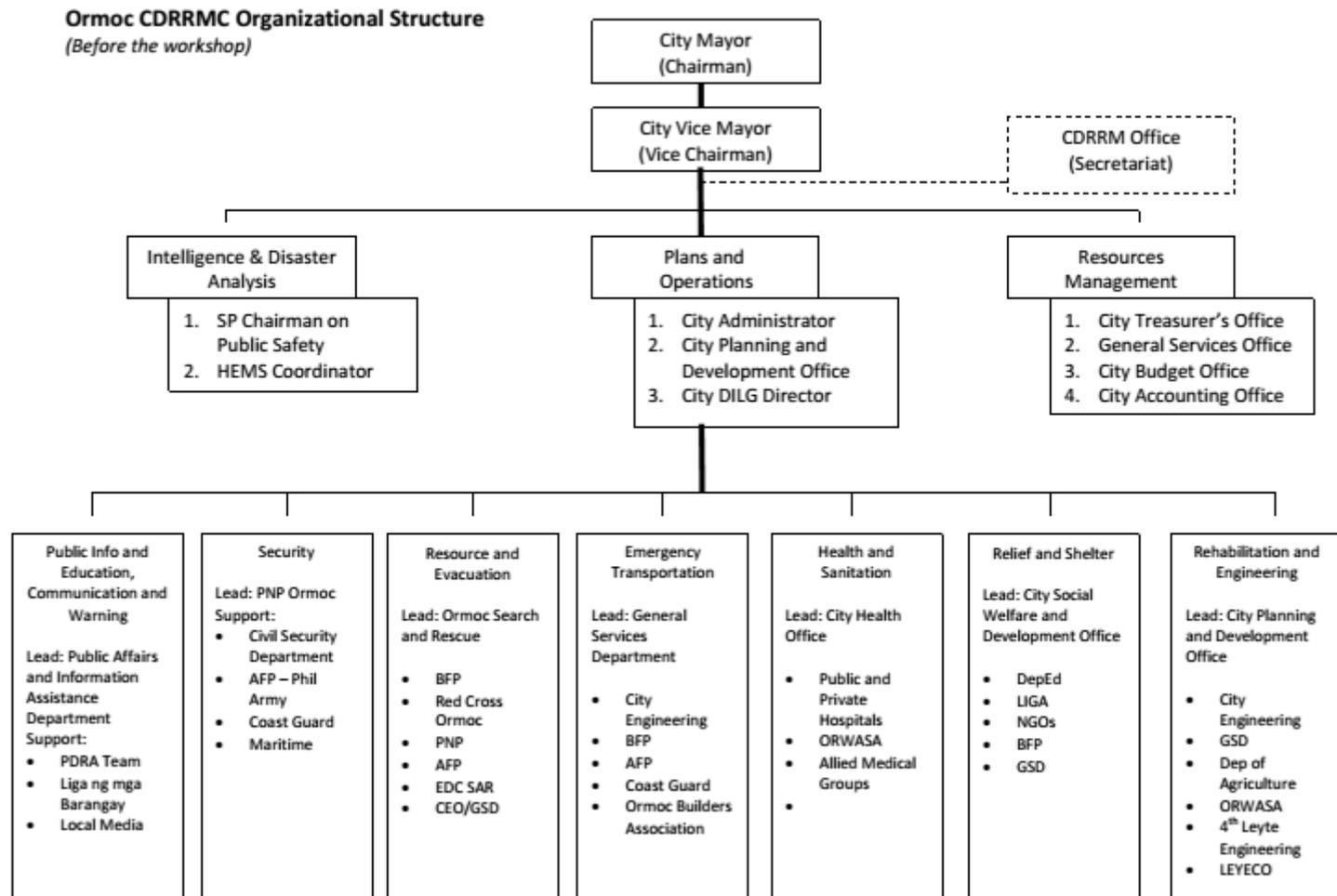


# Risk Sensitization

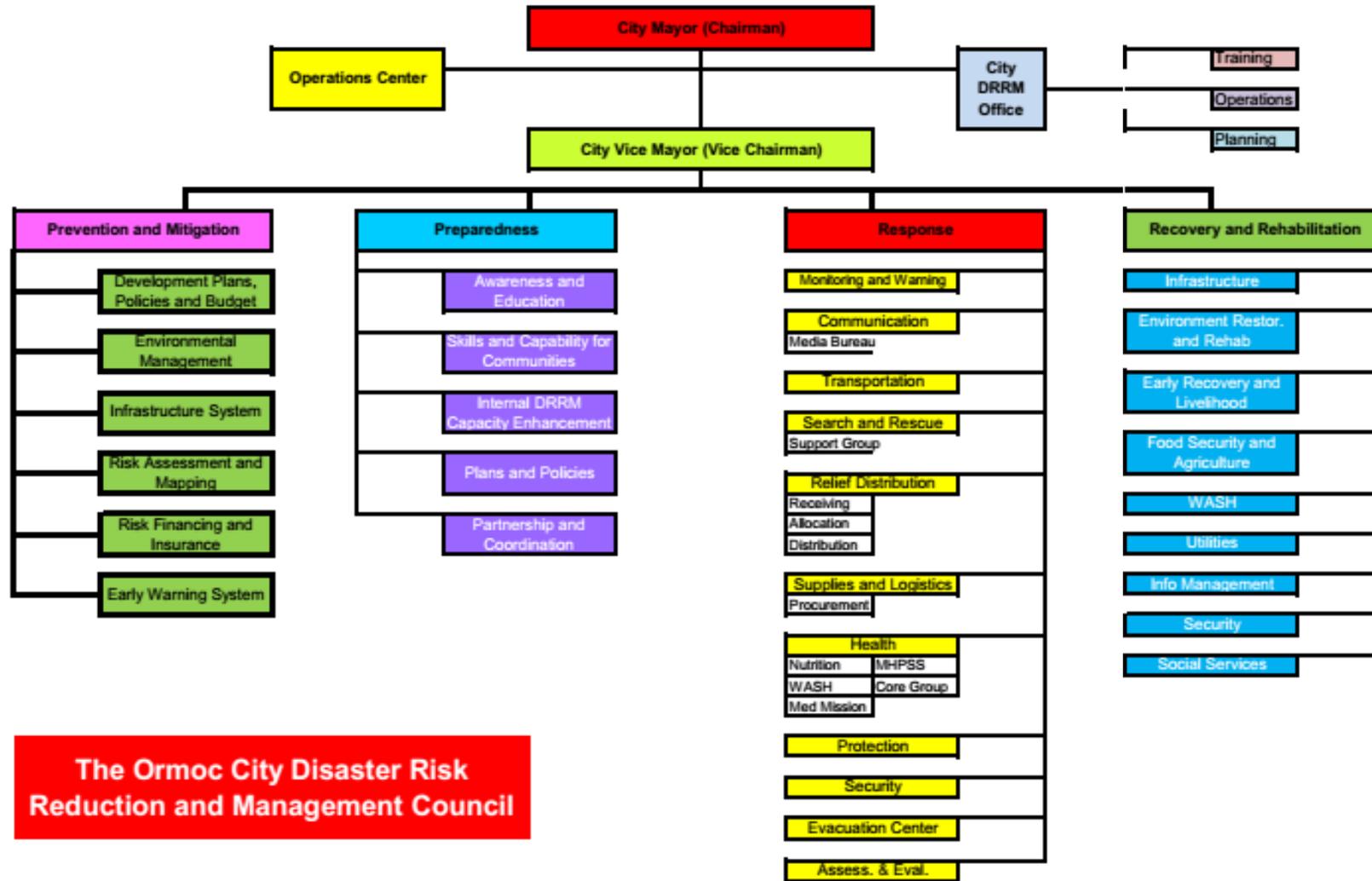


# 2. Structuring of DRR Councils

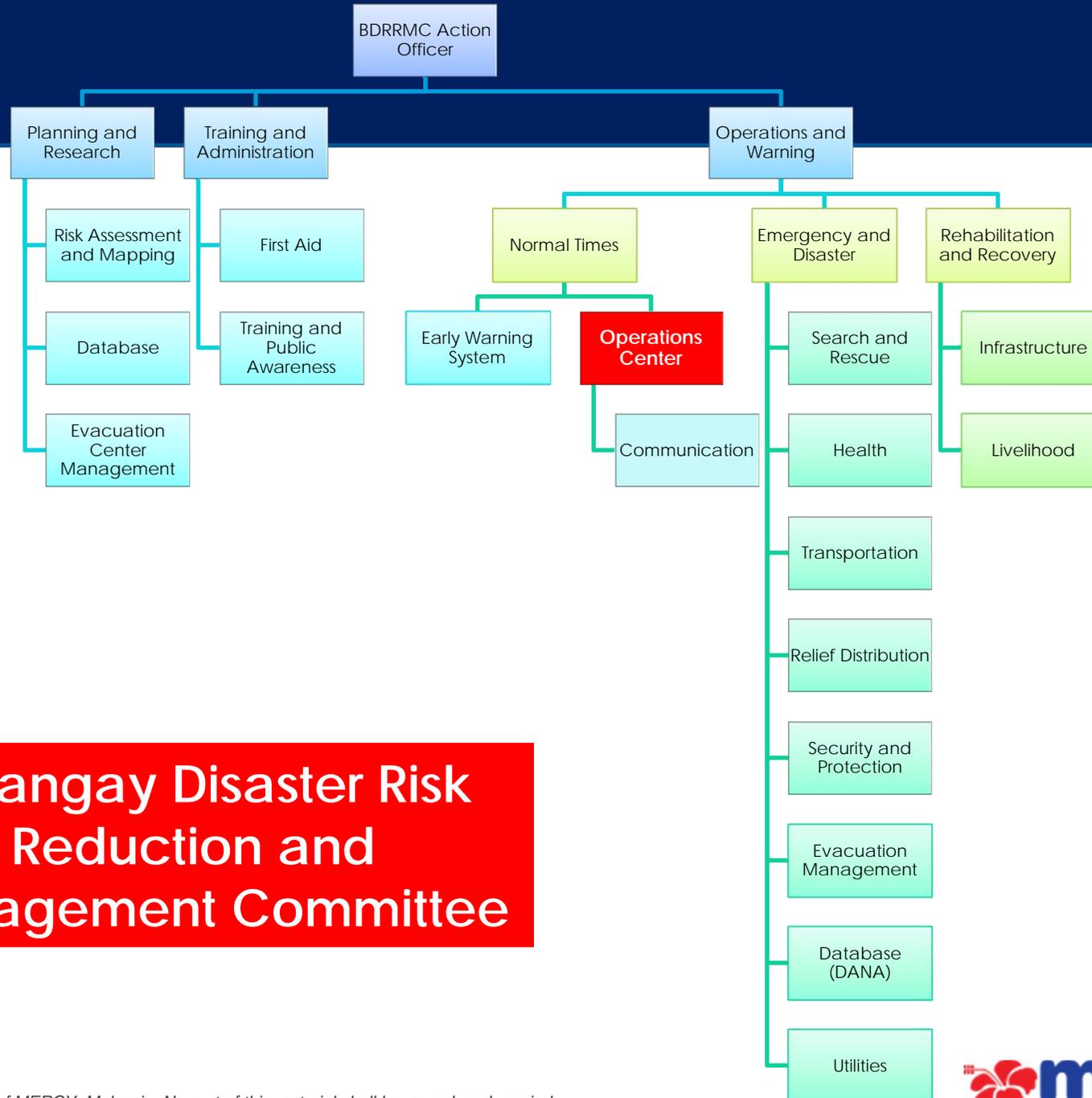
- City Level



# Output of Strengthening Workshop

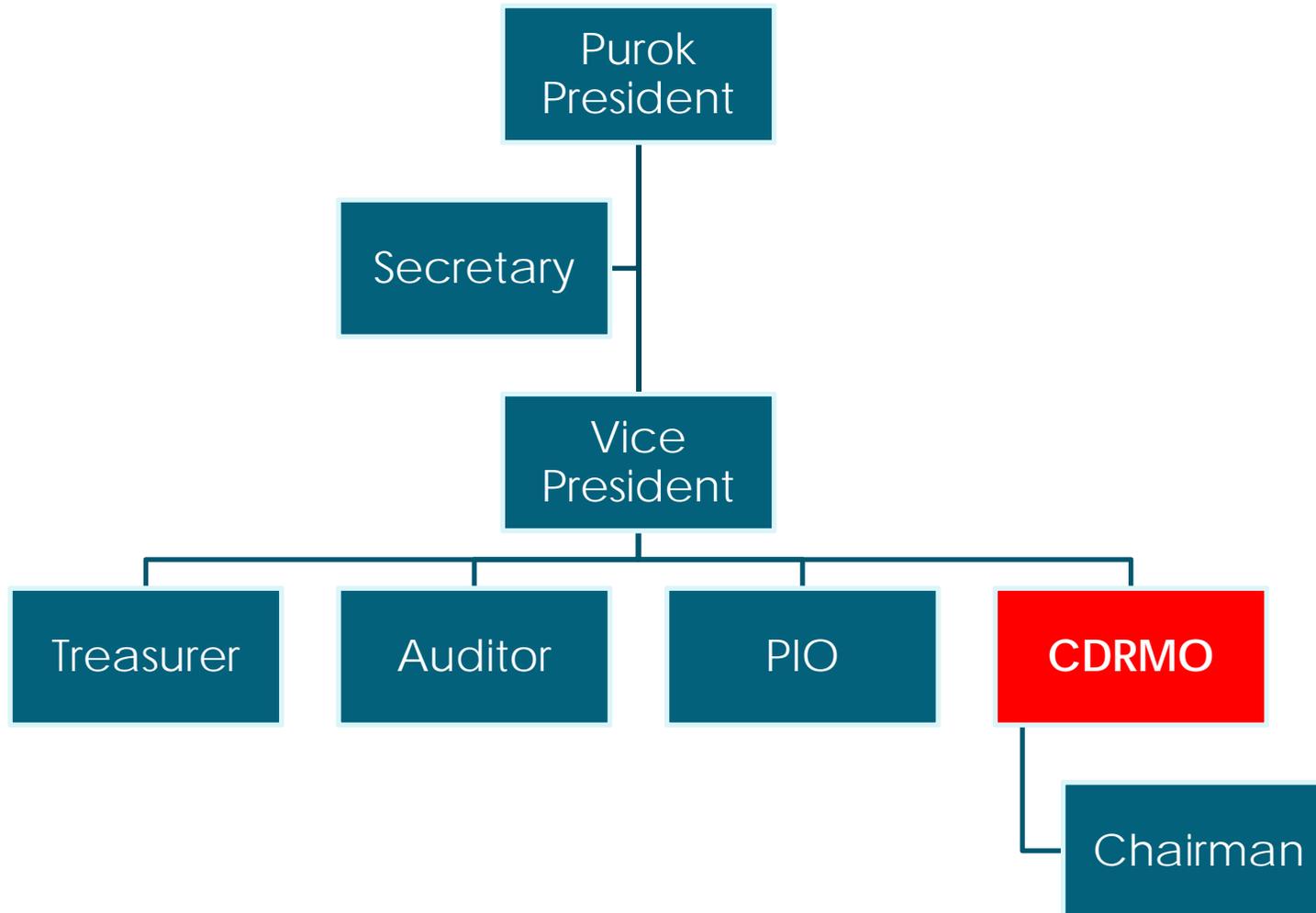


**The Ormoc City Disaster Risk Reduction and Management Council**

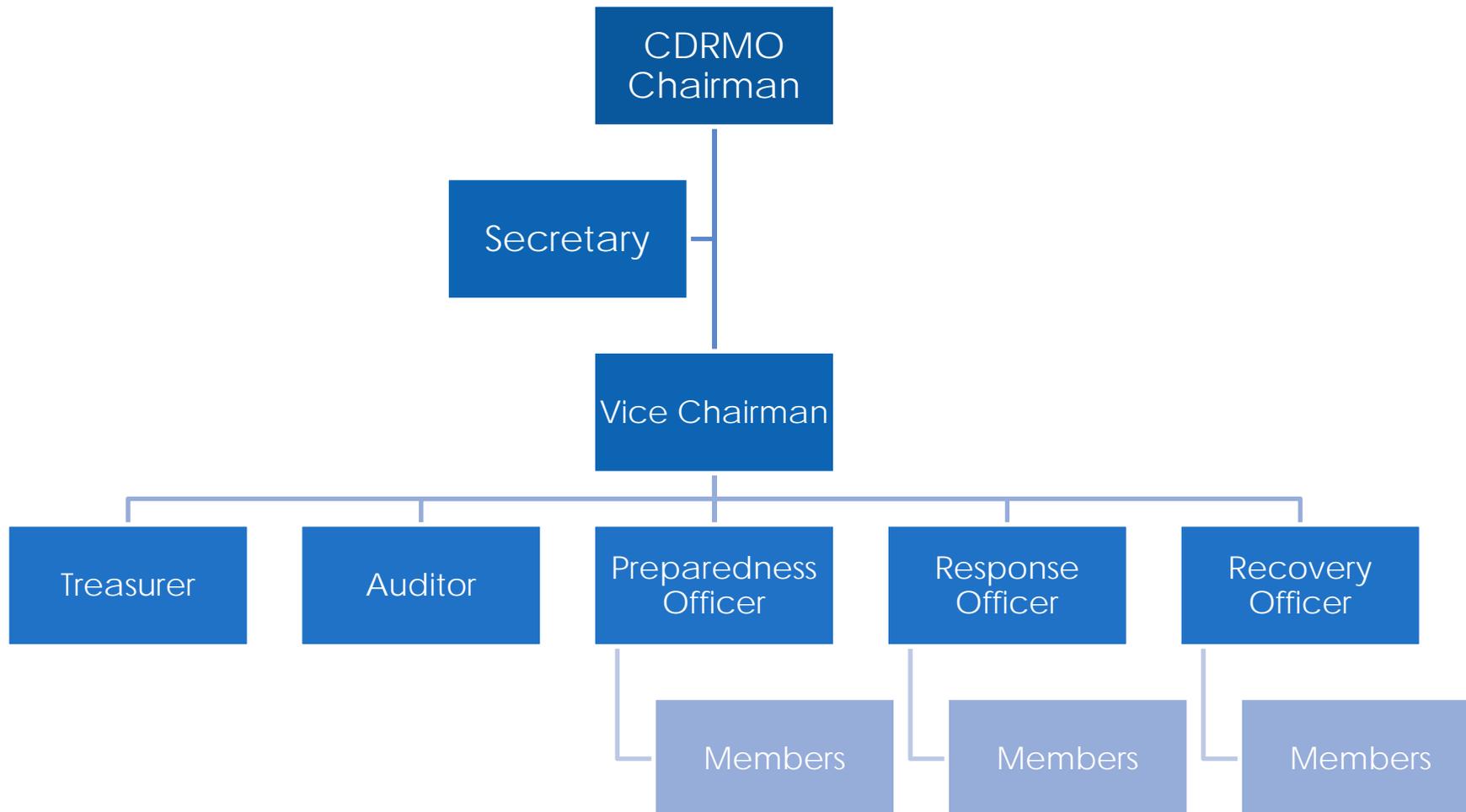


**Barangay Disaster Risk Reduction and Management Committee**

# Community Level



# Community Level



# 3. Systemized Plans

- City Level



Contingency Plans



# DRR Technical Working Group



- In collaboration with the DRR TWG, we will help the City institutionalized its:
  - City DRRM Plan
  - Communication and Information Management Protocols (Incident Command System)

# DRR Technical Working Group

- Barangay Level
  - Conduct workshops to draft:
    - Barangay DRRM Plans
    - Contingency Plans
    - Communication and Information Management Protocols

# Lessons Learned

- **WIP project**
- **What worked well (NGO's perspectives)**
  - Communities actively participate because:
    - the workshops are something new to them
    - they have experienced and able to relate to actual scenarios
  - Program is timely
  - Support from the government authorities and private sector
  - DRR Technical Working Group (collaboration)
- **What are the challenges**
  - Sustainability issue
  - Underlying social vulnerabilities (poverty, education, land ownership, etc)
  - Priority on DRR at the local level
  - Financial support to local CSOs on implementation of DRR projects

# THE END