Human Resource Management and saster Risk Reduction Management in Organizations.



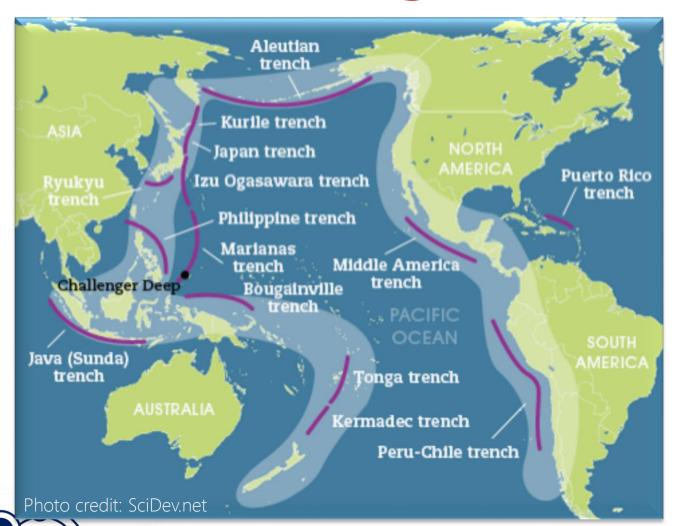
- 1. Philippine Disaster Risk Profile
- 2. Eastern Visayas Disaster Risk Profile
- 3. Salient Features of RA10121



THE PHILIPPINE DISASTER RISK PROFILE



Pacific Ring of Fire

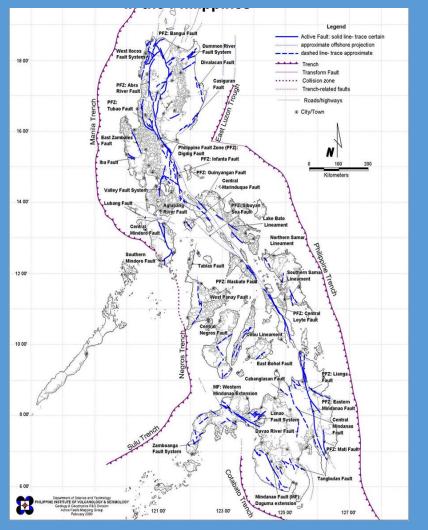




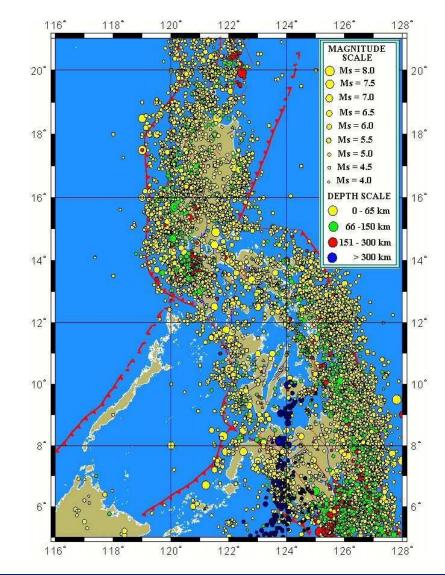
NDRRMC

Proactive

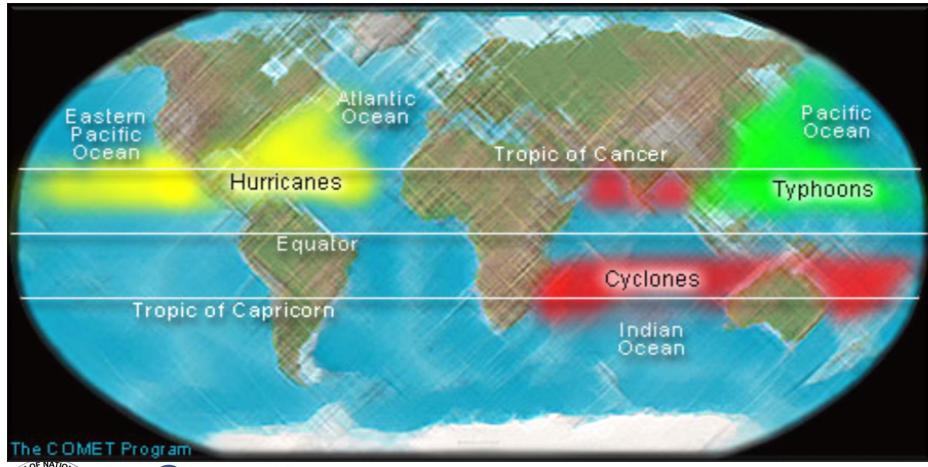
Active Faults and Trenches



Seismicity



Pacific Typhoon Belt



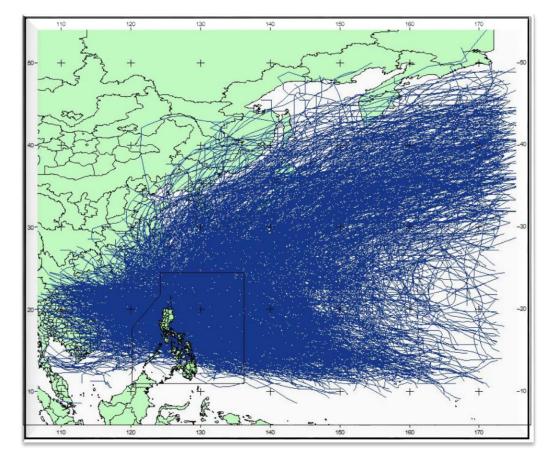


Philippines as *Exporter* of Typhoons

Tracks of Tropical Cyclones in the Western North Pacific Period from 1948 to 2010.

Reference: Japan Meteorological Agency (n.d.)





Natural Hazards

- Typhoons
- Floods
- Storm Surges
- Earthquakes
- Tsunamis
- Volcanic eruptions
- Landslides
- Drought



Photo credit: Google Images



Human - Induced Hazards

- Fire
- Maritime accidents
- Aircraft crash
- Land accidents
- Industrial accidents
- Pollution
- Civil disturbance
- Terrorism

Droactiv

NDRRMArmed conflict



Effects of Disasters



JF THE

Effects of Disasters

- Human toll: dead, injured and missing
- Communities displaced
- Lost sources of livelihoods
- Environmental damages
- Infrastructure damages
- Economic losses
- Hampered delivery of services



Photo credit: Google Images



WORLD RISK INDEX REPORT 2017

9th in 2009 6th in 2010 3rd in 2011 – 2013 2nd in 2014 3nd in 2015 – 2016 **3rd in 2017**



The 15 countries with the highest **risk** worldwide

country	Ris k (%)
Vanuatu	36.45
Tonga	28.57
Philippines	27.69
Guatemala	20.46
Bangladesh	19.57
Solomon Islands	18.77
Costa Rica	17.16
Cambodia	16.92
El Salvador	16.74
Timor-Leste	16.37
Papua New Guinea	16.34
Brunei Darussalam	16.22
Mauritius	15.11
Nicaragua	14.88
Fiji	13.50

Study by: UN University Institute for Environment and Human Security Reference: http://weltrisikobericht.de/wpcontent/uploads/2016/08/WorldRiskReport2016.pdf

I. RISK PROFILE OF REGION VIII

RDRRMC⁸

Droactive

Su NORTHERN SAMAR SBATE SAMAR Samar Sea EASTERN BILIRAN SAMAR Visayan Sea Carigara Bay LEYTE Drmoc Leyte Bav Gulf Camotes SOUTHERN Sea LEYTE DINAGAT ISLANDS Bohol Sea



AREAS VULNERABLE TO HAZARDS IN REGION VIII



EARTHQUAKE

Description: Parallel NW Faults to the Philippine Fault Zone

 Areas likely to be affected :
 Leyte: Tacloban City, Babatngon, San Miguel, Sta. Fe, Palo, Tanauan and Tolosa
 Samar: San Sebastain, cities of Calbayog and Catbalogan **Description:** 25-km. danger zone along the Philippine Fault Zone

 Areas likely to be affected :
 Leyte: Carigara, Kananga, Capoocan, Jaro, Tunga, Ormoc City, Albuera, Burauen, Baybay, Abuyog and Mahaplag
 Southern Leyte: Silago, Sogod, Bontoc, Tomas Oppus, Malitbog, Padre Burgos, Hinunangan, Limasawa, St. Bernard, San Juan, Anahawan, Liloan, San Francisco, Pintuyan and San Ricardo

Description: NNE Splay Fault Zone

REAL COF NATION OF NATIONO

 Areas likely to be affected :
 Southern Leyte: Maasin City, Bontoc, Malitbog and Tomas
 Oppus

LANDSLIDE

Description: One type of hazard related to natural geologic processes under the earth's crust

Areas likely to be affected : Leyte: Alangalang, Pastrana, Dagami, Sta. Fe, Tabontabon, Dulag, Tolosa, Tanauan, San Miguel and Tacloban City

NUKKIVIC

Droactive

Gravity-induced displacement of earth surface materials, such as rocks, boulders and soil from a point of higher elevation to a point of lower elevation

Areas likely to be affected :

Leyte: Coastal section of Abuyog, Upland and mountainous portion of Ormoc City and Isabel Southern Leyte: Hilly areas of Maasin City, Mountainous portion of Sogod

Samar: Rock formation of Catbalogan City

LIQUEFACTION

TSUNAMI



Midnight killer: The 1976 Moro Gulf tsunami

Description:

Geologic hazard created by undersea earthquake or volcanic eruption

Areas likely to be affected :

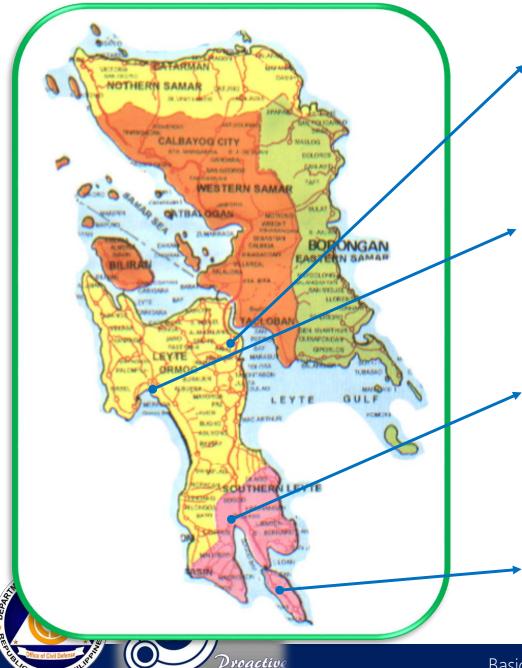
- Samar: Calbayog City, Catbalogan City and San Sebastian
- Northern Samar: Catarman and low lying municipalities
- Eastern Samar: The whole of Eastern
 Samar since it is fronting the Philippine
 Trench
- Southern Leyte: Coastal villages of Panaon Island
- **Leyte:** Coastal municipalities situated at





CATASTROPHIC EVENTS IN REGION 8 (PAST 30 YEARS)





Typhoon Yolanda in Tacloban City, Leyte on Nov. 8, 2013 killing - 5,894, missing -1,005 and injured – 26,076 people.

Flashflood in Ormoc City and Burauen, Leyte on Nov. 5, 1991 killing almost 8,000 people.

Landslide in St. Bernard, Southern Leyte on February 17, 2006 burying the entire village and killing almost 1,200 people.

Landslide/Flashflood in Panaon Island, Southern Leyte on Dec. 19, 2003 killing more than 100 people.





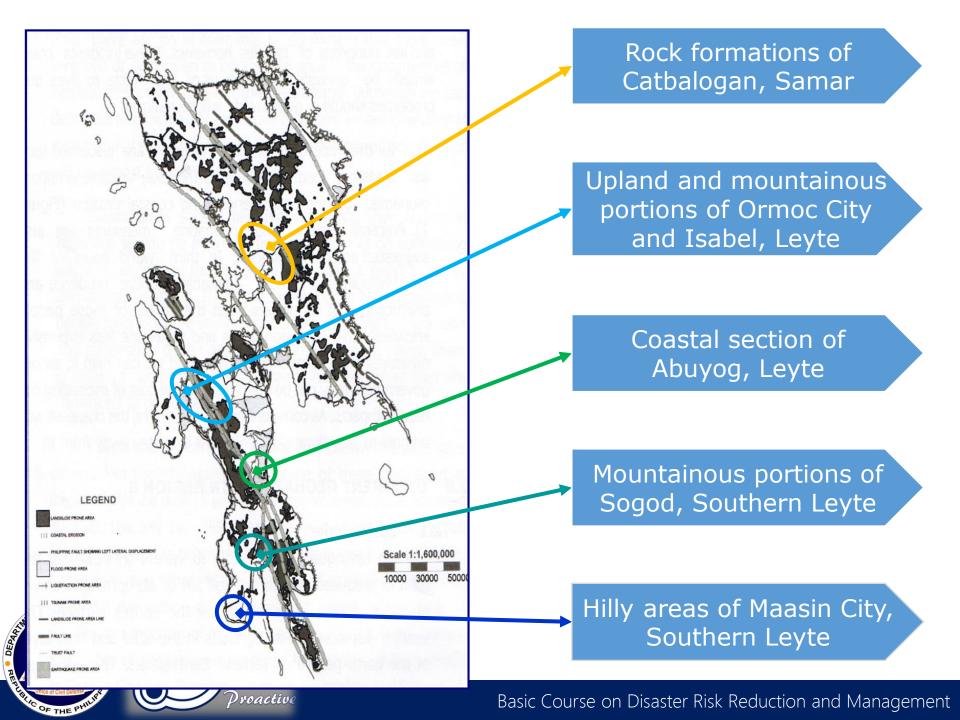
LANDSLIDE

The numerous rapid massmovements claimed more than a thousand of lives in the region and destroyed millions of pesos worth of properties.

PANAON ISLAND, SOUTHERN LEYTE



ST. BERNARD, SOUTHERN LEYTE Basic Course on Disaster Nisk Reduction and Management



FLOOD/FLASHFLOOD

The flashflood that occurred in Ormoc City on November 5, 1991 was the worst that happened in the region. The Catastrophic flood killed more than 6,000 people in Ormoc City

alone

NDRRMC

roactive



COASTAL EROSION

NDRRMC

Droactive

"Coastal erosion is a kind of geohazard that extensively affect the eastern side of Leyte Island



Recent studies conducted by the geologists of MGB-RO8 disclosed that the intense removal of beach sediment material could affect the coastal area from Tacloban City, Leyte in the north to as far as Silago, Southern Leyte in the south.

COASTAL EROSION

Droactive

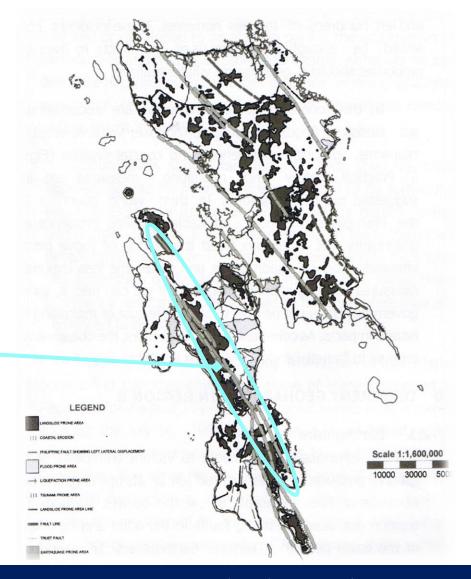


The most seriously affected coastal area is at Brgy. San Roque, Tanauan, Leyte. Here, a significant portion of beach area is already considerably eroded or washed out due to the wave induced movement of beach material moving northward. An old shoreline sand spit in the area was already washed-out.

EARTHQUAKE

These two geologic structures have been classified by PHIVOLCS as major earthquake generators in the Philippine Archipelago. The PFZ has been traced by previous geologist to be about 1,200 kilometers in length or its physio-graphically recognizable feature from Luzon to Mindanao. It passes at the near center of Leyte Island from the town of Leyte, Leyte in the north to the town of St. Bernard in the south.

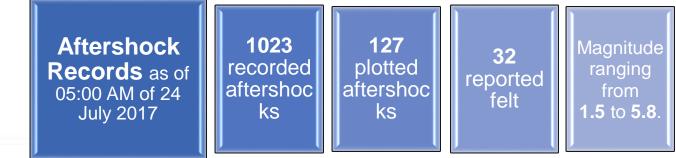
OF THE



JULY 6, 2017 MG. 6.5 EARTHQUAKE ALONG THE PHILIPPINE FAULT ZONE





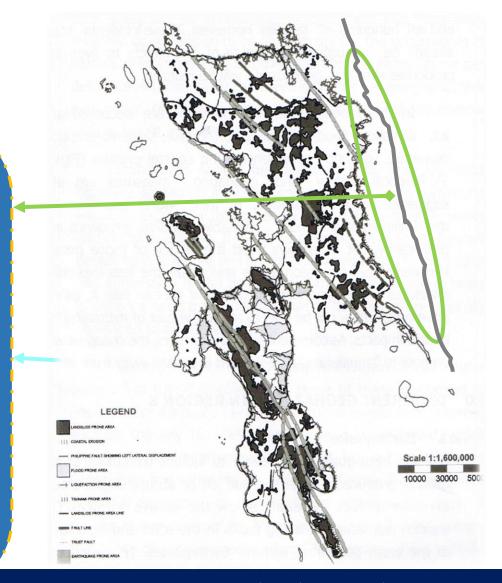




EARTHQUAKE

On the other hand, the west dipping subduction zone is more commonly known as the Philippine trench, a portion of the well-known Philippine deep. It is estimated to be located about 60 kilometers from the eastern coast of Eastern Samar and generally trends approximately north-northeast.

JF THE





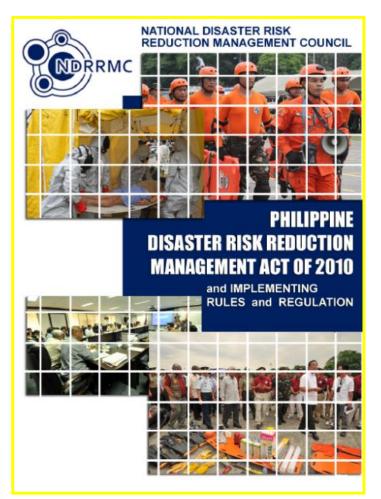
DISASTER PRONE AREAS IN REGION 8



FLOOD

RIVER	AREAS LIKELY TO BE AFFECTED
LEYTE	
Shapon River Watershed	Merida town proper and vicinities
Dupon River Watershed	Isabel
Sabang River Watershed	Brgy. Sabang, Palompon
Abijao River Watershed	Brgy. Abijao, Villaba
Tabango River Watershed	Tabango
Lemon River Watershed	Leyte
Pagbanganan and other western flowing rivers in the coastal zone of Albuera	Albuera proper and vicinities
Ormoc City basin and Anilao Rivers Watershed	Ormoc proper and vicinities

Legal Basis: Republic Act 10121





Legal Basis: Republic Act 10121

An act:

- Strengthening the Philippine DRRM system,
- Providing for the National DRRM framework and
- Institutionalizing the National DRRM plan,

appropriating funds therefore and for other purposes.



THEN

NOW

TOP-DOWN CENTRALIZED DISASTER MANAGEMENT

DISASTERS AS FUNCTION OF PHYSICAL HAZARDS BOTTOM-UP PARTICIPATORY DISASTER RISK REDUCTION AND MANAGEMENT

DISASTERS AS REFLECTION OF PEOPLE'S VULNERABILITY

FOCUS ON DISASTER RESPONSE

INTEGRATED APPROACH TO REDUCE DISASTER RISK

REACTIVE PROACTIVE

National Disaster Risk Reduction and Management Council



The 24-7 command-and-control facility of NDRRMC that performs the following functions:

- Alert and monitoring
- Multi-agency operational coordination
- Response resource mobilization
- Information management
- Operations capability upgrade for effective program coordination



Highest organized and authorized body in DRRM in the Philippines.





NATIONAL DISASTER COORDINATING COUNCIL

NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL



NDCC: 19 Members

NDRRMC: 45 Members

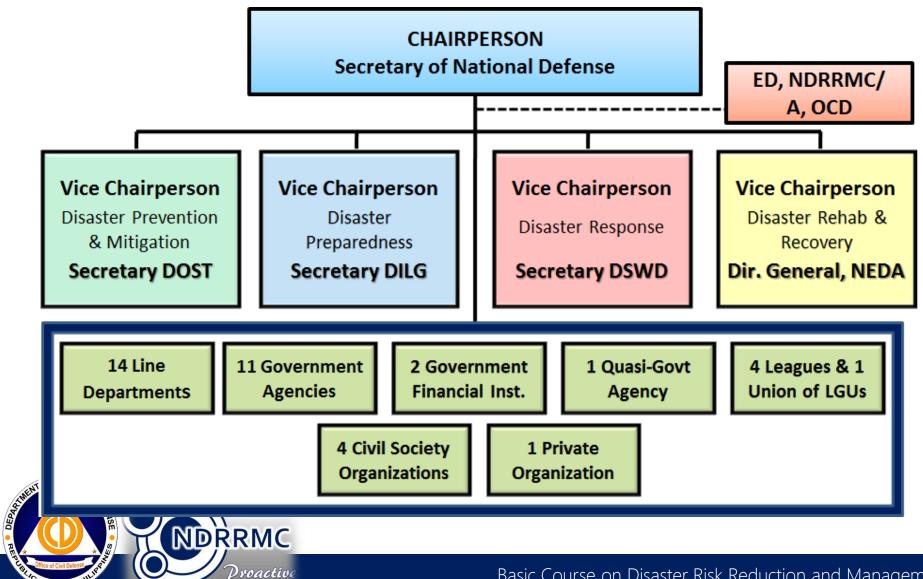
Chairman: Secretary, DND Members: Secretary, DILG Secretary, DPWH Secretary, DOH Secretary, DSWD Secretary, DA Secretary, DepEd Secretary, DOF Secretary, DOLE Secretary, DTI Secretary, DOTC Secretary, DOST Secretary, DBM Secretary, DOJ Secretary, DENR Director, PIA Sec-Gen - PNRC Chief of Staff, AFP A,OCD: Exec Offr/Member

Chairperson: Secretary, DND Vice-Chairpersons:

Sec, DOST – Prevention & Mitigation Sec, DILG –Preparedness Sec, DSWD – Disaster Response DG, NEDA – Rehab & Recovery **Exec Dir:** OCD Administrator **Members:** 39

- 15 Depts.: DOH, DENR, DA, DepEd, DOE, DOF, DTI, DOTr, DBM, DPWH, DFA, DOJ, DOLE & DOT, DICT
- 12 gov't agencies: OES OPAPP, CHED AFP, PNP, OPS, NAPC, PCW, HUDCC, CCC, PHILHEALTH & OCD
- 2 Gov Financial Inst (GSIS & SSS)
- 1 Quasi-government agency (PRC)
- 5 LGU Leagues
- 4 Civil Society Organizations
- 1 Private Sector Organization

NDRRMC Composition



OF THE PH

Office of Civil Defense



- Executive Arm and Secretariat of the NDRRMC
- Primary mission: administer a comprehensive national civil defense and DRRM program



Office of Civil Defense





OCD Powers and Functions





- Policy-making
- Coordination
- Integration
- Supervision
- Monitoring and Evaluation

NDRRM Operations Center

Facility for situation monitoring and coordination during emergencies



DRRM Network



17 **REGIONAL** DRRM COUNCILS

NDRRMC

Droactive

OF NATIO

OF THE P

DEPARY

1,489 **MUNICIPAL** DRRM COUNCILS

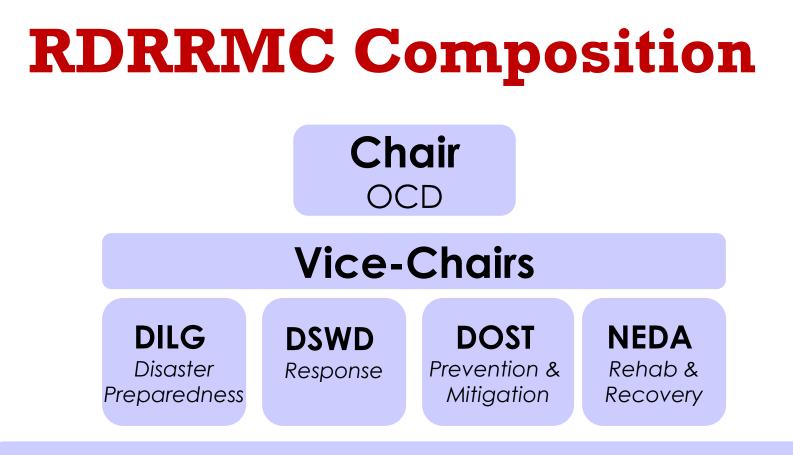
42,029 BARANGAY DRRM COMITTEES

Coordination and Response during Emergencies

Barangay DRRMC	1 Barangay affected
City/Municipal DRRMC	2 or more Barangays affected
Provincial DRRMC	2 or more Cities/Municipalities affected
Regional DRRMC	2 or more Provinces affected
NDRRMC	2 or more Regions affected



Reference: Section 15, RA 10121



Members

- Executives of regional offices and field stations of NDRRMC member agencies
 - Other entities that may be invited by the RDRRMC

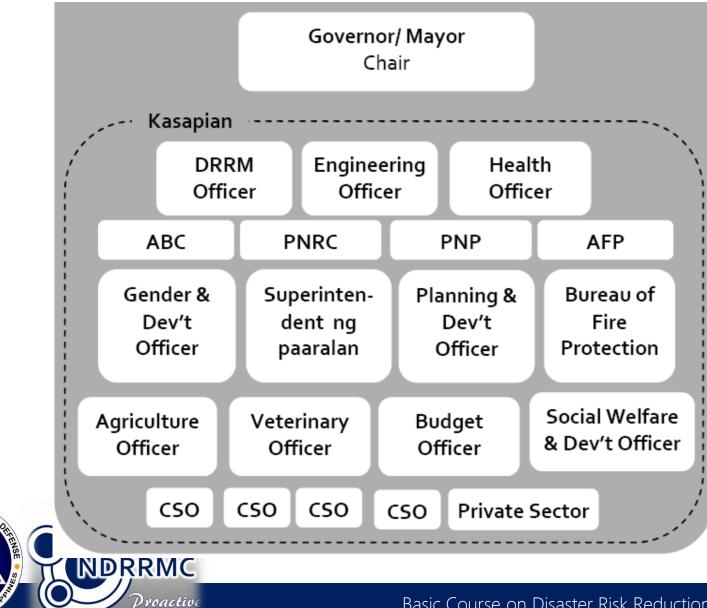
NDRRMC

OFTHEP

Droactive



LDRRMC Composition



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OF THE PY

DEPARY

Local DRRM Offices

In charge of DRRM in every Province, City and Municipality, and Barangay





Photo credit:: Dinagat Islands, Pasig City

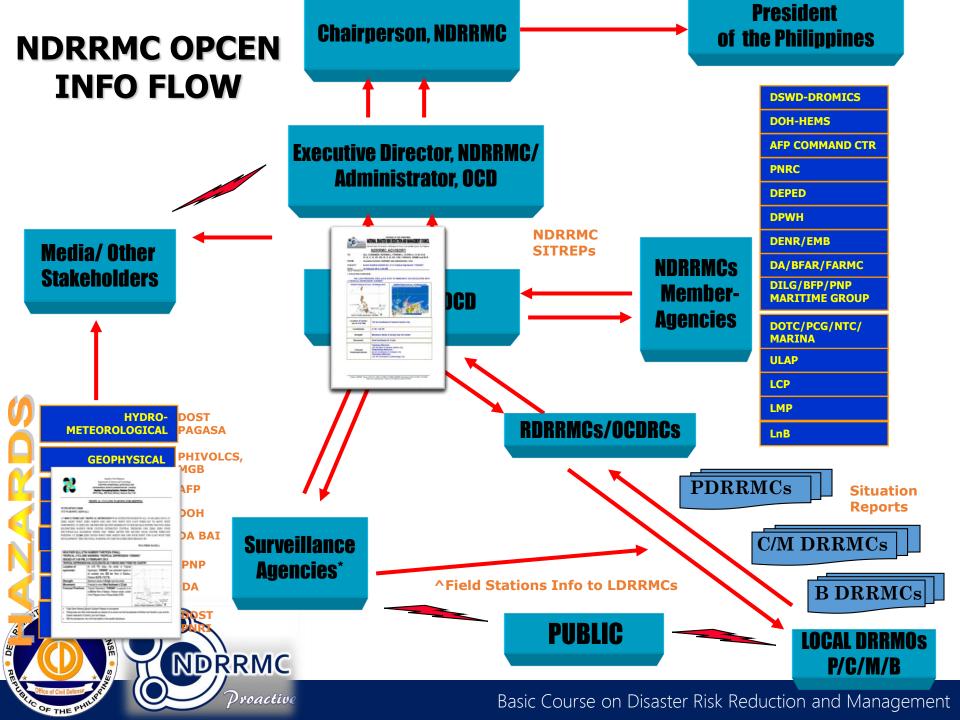
LDRRIO Composition



Administrative & Training Research & Planning

Operations & Warning

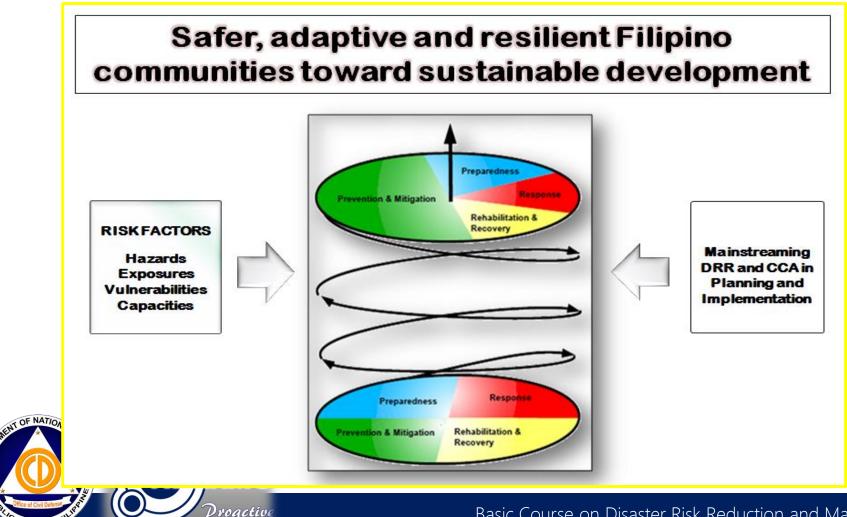




NDRRM Framework (approved on June 6, 2011)

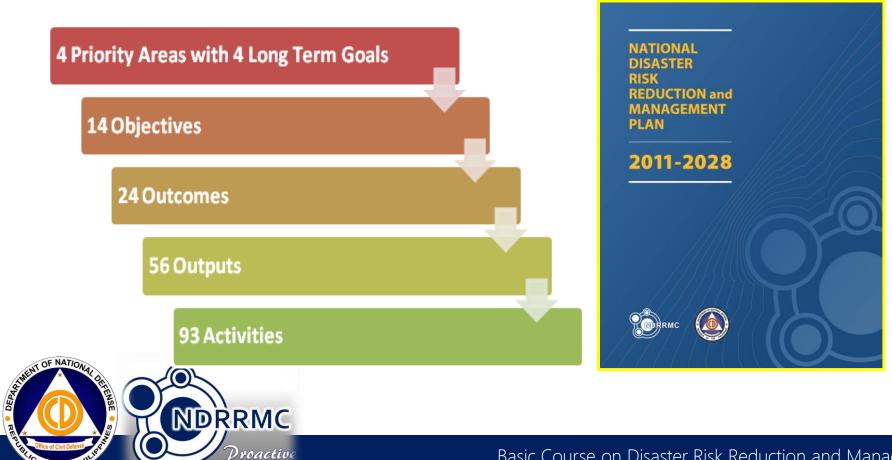
DEPARY

OF THE P



NDRRM Plan (approved on February 7, 2012)

OF THE P



Disaster Volunteers(Sec. 13)

- Mobilization of DVs by government agencies, CSOs, private sector and LGUs to augment their respective personnel complement and resource requirement.
- Enhancement, welfare and protection of DVs shall be the full responsibility of said ٠ agencies.
- Maintenance of National Roster of ACDVs, NSRC, CSOs and Private Sector by OCD, list of which shall be submitted through the LDRRMOs.
- Accreditation to be done at the municipal / city level / agency.
- DV mobilization to be based on guidelines to be issued by the NDRRMC.
- Entitlement to compensatory benefits / accident personnel insurance. ٠





Training and Education in DRR

- Integration of DRR Education in School Curricula at the Secondary and Tertiary Levels, NSTP, Sanggunian Kabataan; Mandatory Training in DRR for Public Sector Employees, including formal and non-formal, vocational, indigenous learning and out-of-school youth courses and programs (Sec.14)
- Approaches /Strategies (IRR)
 - CSC to issue a directive to all national and local government agencies for the mandatory training of public sector employees
 - Train-the Trainers Approach
 - Standard Training Designs and Training Materials



OPERATIONAL MECHANISMS

VI. Mechanism for International Humanitarian Assistance(Sec.18)

- Authorizing the importation and donation of food, clothing, medicine, equipment for relief and recovery and other DM and recovery-related supplies in accordance with the Tariff and Customs Code and *GAA*.
- Importation and donation to be considered as importation / donation to the NDRRMC, subject to the approval of the Office of the President.



IV. Funding

National Level

- National DRM and Recovery Fund (formerly known as the National Calamity Fund) can be used for DRR or mitigation, prevention and preparedness activities (e.g. but not limited to training of personnel, procurement of equipment and capital expenditures; can be used for relief, recovery and reconstruction activities).
- Quick Response Fund (QRF) 30% of the NDRMRF as standby fund for relief and recovery programs.



• Funding – Local Government Level

• Local DRRM Fund – not less than 5% of the estimated revenue from the regular sources can now be used to support

DRM activities such as, but not limited,

- Pre-disaster preparedness programs, e.g. training purchase of lifesaving rescue equipment, supplies, medicines;
- Post-disaster activities, and
- Payment of Premiums on calamity insurance
- 30% of the local DRRM Fund shall be allocated as Quick Response Fund or stand-by fund for relief and recovery programs.
- Special Trust Fund Unexpended LDRRMF to support DRRM activities within the next five (5) years; after 5 years if not fully utilized, it shall revert back to the General Fund and made available for other social services to be identified by the Local Sanggunian.



- Annual Report.
- The National council through the OCD, shall submit to the Office of the President, the Senate and the House of Representatives, within the first quarter of the succeeding year, an annual report relating to the progress of the implementation of the NDRRMP.



Prohibited Acts such as:

- Dereliction of duties which leads to destruction, loss of lives, critical damage of facilities and misuse of funds.
- Preventing the entry/distribution of relief goods and disaster teams/experts in disaster-stricken areas.
- Buying, for consumption or resale, from disaster relief agencies any relief goods, equipment or other aid commodities intended for distribution to disaster affected communities.
- Buying, for consumption or resale, from the recipient disaster affected persons any relief goods, equipment or other aid commodities received by them.
- Selling of relief goods, equipment or other aid commodities intended for distribution to disaster victims.



• Prohibited Acts such as:

- Forcibly seizing of relief goods.
- Diverting/misdelivery of relief goods.
- Repacking of relief goods, equipment and other a
- Substitution of relief goods.
- Illegal solicitations by persons/organizations.
- Deliberate use of false or inflated data.
- Tampering with or stealing hazard monitoring and disaster preparedness equipment and paraphernalia.





Penal Clause

 Violators of those prohibited acts shall suffer a fine of not less than PhP50,000.00 or any amount not to exceed PhP500,000.00 or imprisonment of not less than 6 years and 1 day or not more than 12 years or BOTH.



THANK YOU