



Republic of the Philippines

Thematic Workshop on Water-Related
Disaster and Its Management in Asian Countries

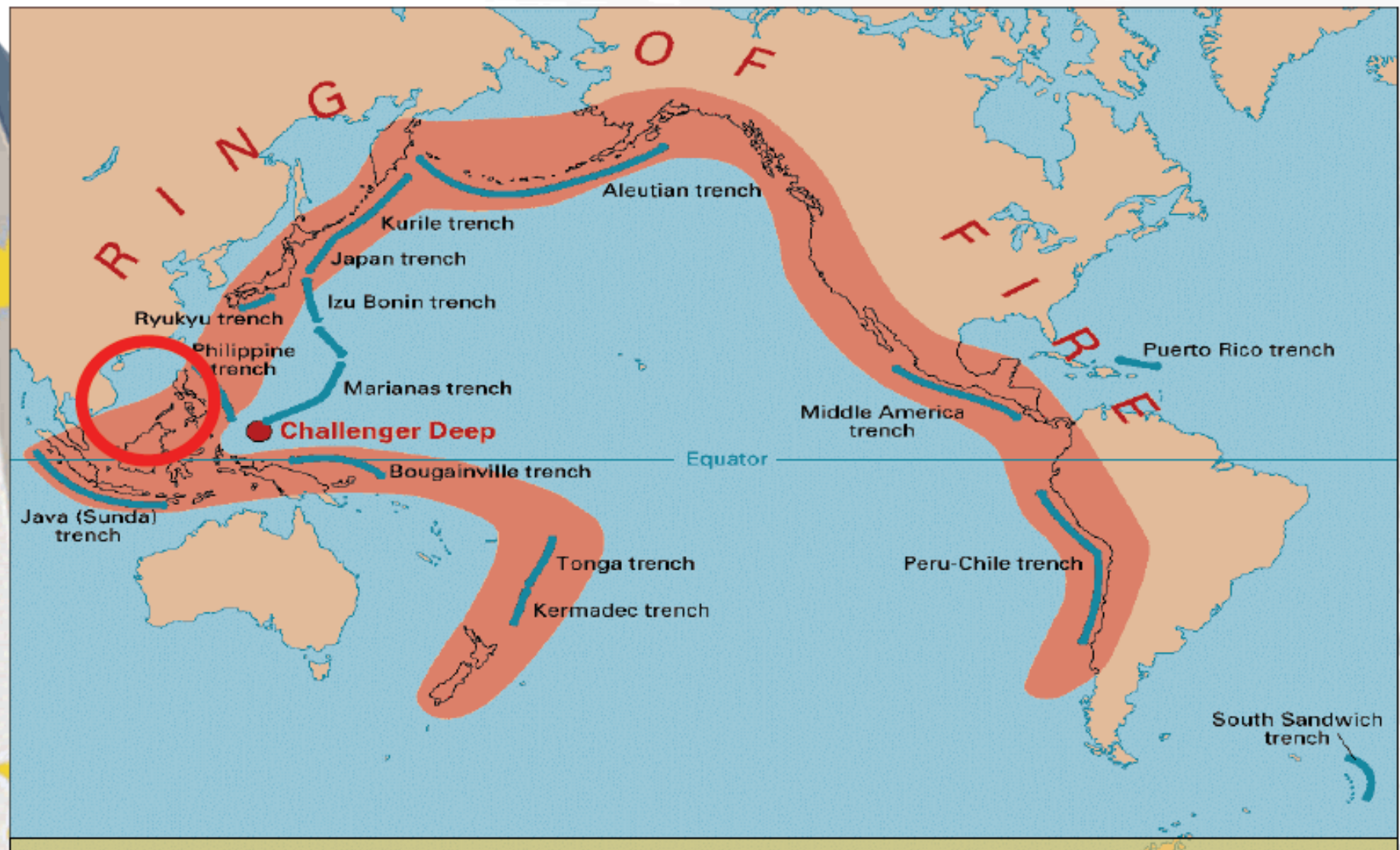
25-30 November, 2007

Sabo Technical Centre

Yogyakarta, Indonesia

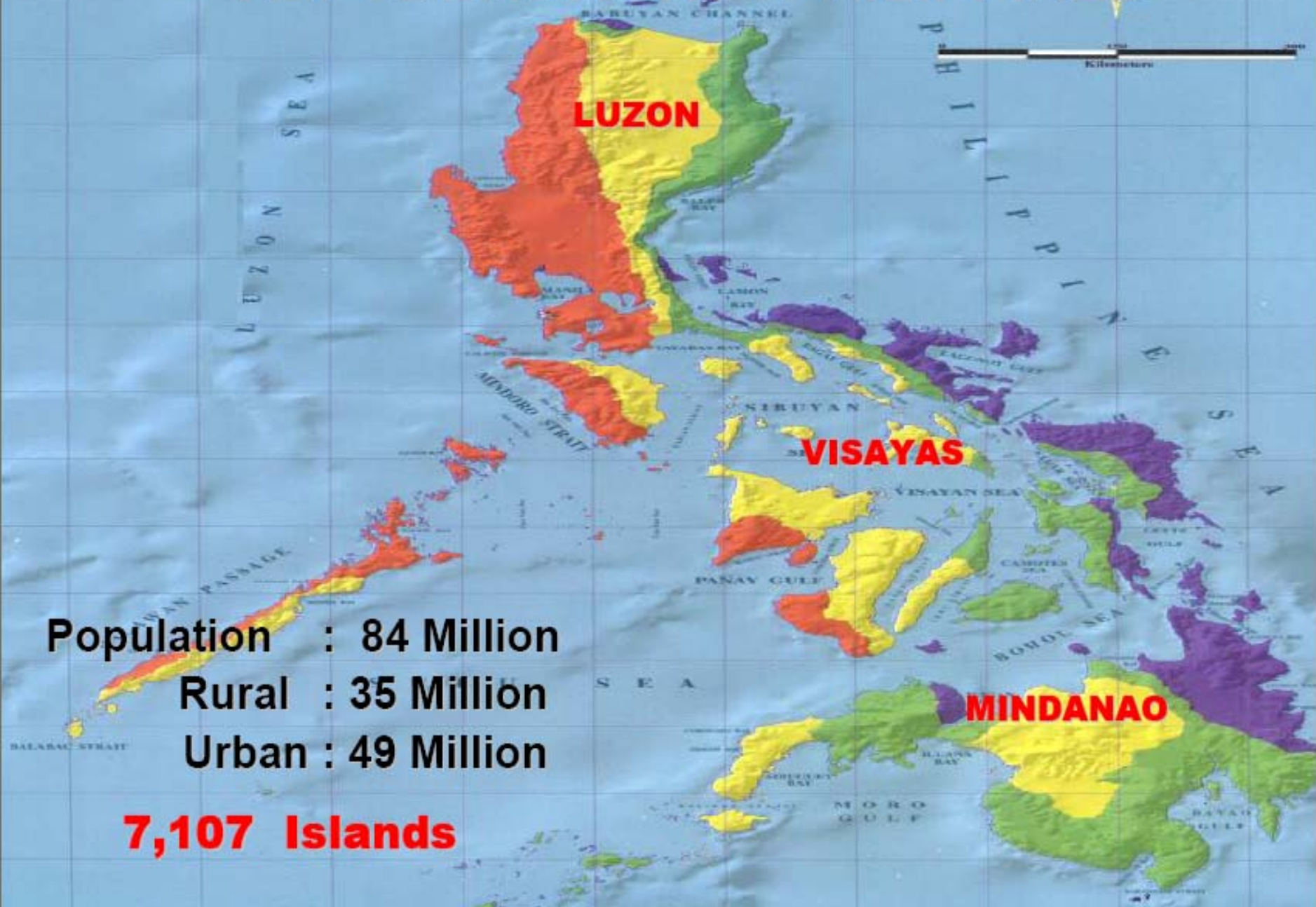
Alicia E. Bongco

Laguna Lake Development Authority



The Philippine Archipelago occupies the western ring 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 (faults).

REPUBLIC OF THE PHILIPPINES

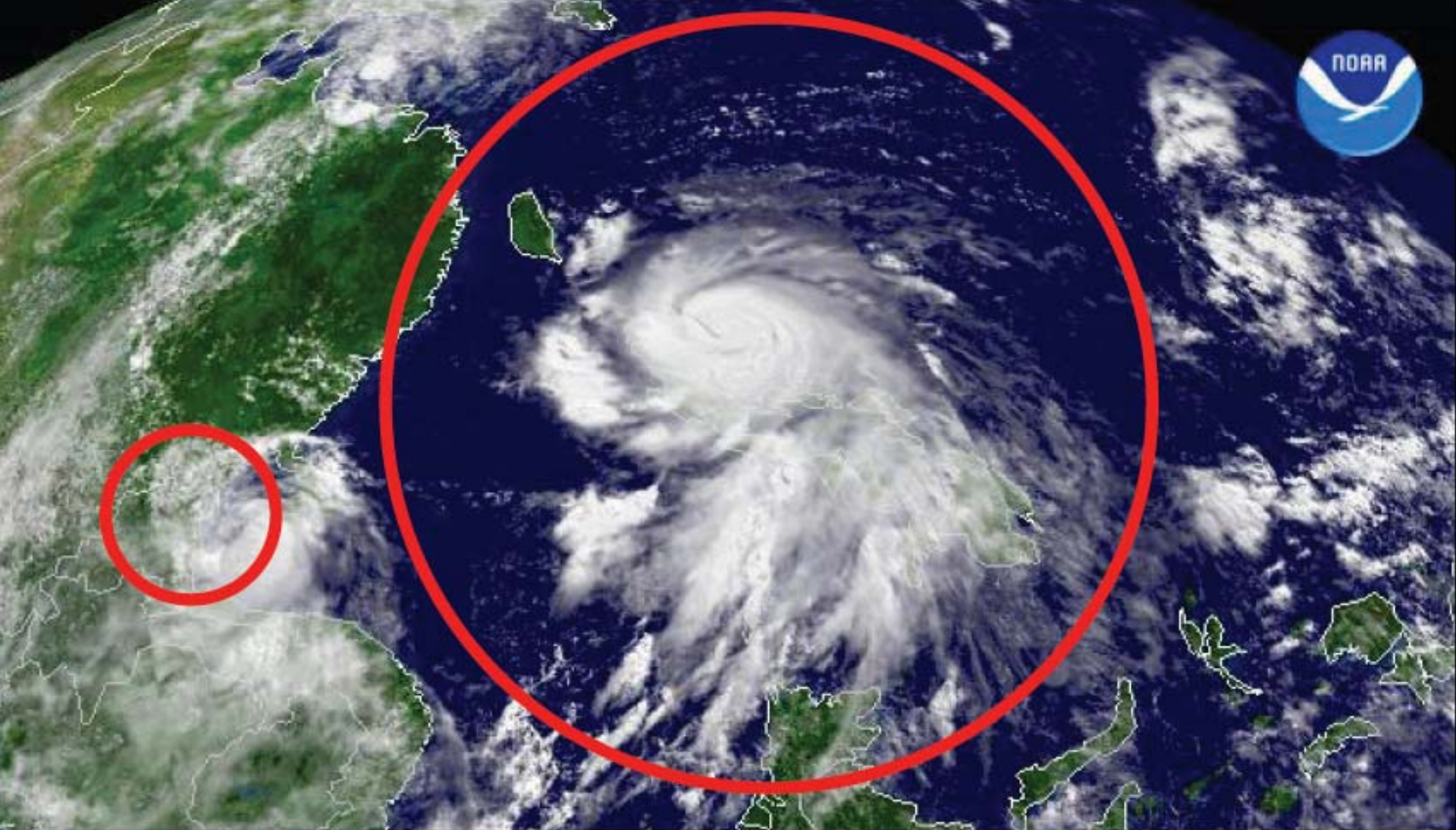


Population : 84 Million

Rural : 35 Million

Urban : 49 Million

7,107 Islands



The Philippine Archipelago is located along the typhoon belt in the Pacific making it vulnerable to typhoons.

- Average of 19 typhoons/per year**
- 5 typhoons are destructive**

NATURAL HAZARDS



FLOODS



TYPHOONS AND STORM SURGES



EARTHQUAKES



VOLCANIC ERUPTIONS



CLIMATIC VARIABILITIES (LA NIÑA/EL NIÑO)

LANDSLIDES

TSUNAMI

GROUND SUBSIDENCE



National Disaster Coordinating Council

MAN-MADE HAZARDS

FIRE INCIDENTS

SEA AND AIR ACCIDENTS

OIL SPILL

CIVIL STRIFE

**POLLUTION
(SOLID WASTE, AIR, WATER AND THERMAL)**

**INDUSTRIAL ACCIDENTS
(RADIOACTIVE FALLOUT, GAS LEAKS)**



National Disaster Coordinating Council



Republic of the Philippines

National Disaster Coordinating Council

The Philippine Disaster Management System

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NDCC's LEGAL BASIS

PD 1566

JUNE 11, 1978

**(Strengthening the Philippine
Disaster Control Capability and
Establishing the National Program on
Community Disaster Preparedness)**

PD No. 1566, Section 1

DECLARATION OF POLICIES

- **RESPONSIBILITY FOR LEADERSHIP RESTS ON LOCAL CHIEF EXECUTIVES**

- **SELF RELIANCE, SELF HELP AND MUTUAL ASSISTANCE**

(EACH POLITICAL AND ADMINISTRATIVE SUBDIVISION OF THE COUNTRY SHALL UTILIZE ALL AVAILABLE RESOURCES IN THE AREA BEFORE ASKING FOR ASSISTANCE FROM NEIGHBORING ENTITIES OR HIGHER AUTHORITY.)

- **PRIMARY RESPONSIBILITY RESTS ON THE GOVERNMENT AGENCIES IN THE AFFECTED AREAS IN COORDINATION WITH THE PEOPLE THEMSELVES.**

- **ALL GOVERNMENT DEPARTMENTS, BUREAUS, AGENCIES AND INSTRUMENTALITIES TO HAVE DOCUMENTED DM PLANS**

- **NATIONAL GOVERNMENT EXISTS TO SUPPORT THE LOCAL GOVERNMENTS**

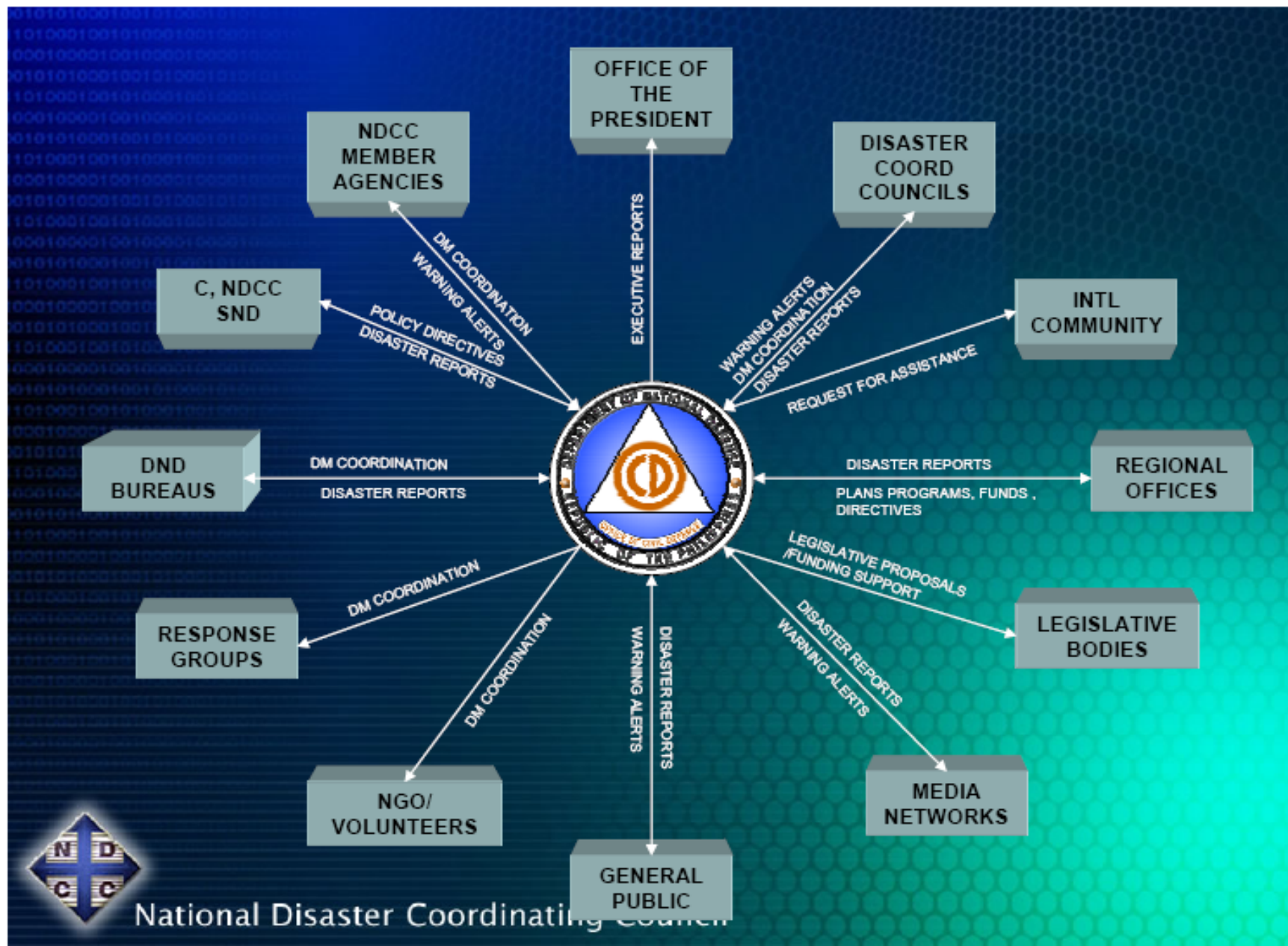
NATIONAL DISASTER COORDINATING COUNCIL



- HIGHEST POLICY MAKING, COORDINATING AND SUPERVISING BODY AT THE NATIONAL LEVEL FOR DISASTER MANAGEMENT IN THE COUNTRY.
- ADVISES THE PRESIDENT ON THE STATUS OF NATIONAL DISASTER PREPAREDNESS & MANAGEMENT PLANS.
- IT RECOMMENDS TO THE PRESIDENT THE DECLARATION OF STATE OF CALAMITY AND RELEASE OF NATIONAL CALAMITY FUND AS NEEDED.



National Disaster Coordinating Council



THE NDCC MEMBERS



Secretary, Nat'l Defense - Chairman
Secretary, Int.& Local Govt- Member
Secretary, Public Works- Member
Secretary, Health - Member
Secretary, Social Welfare- Member
Secretary, Agriculture- Member
Secretary, Education- Member
Secretary, Finance- Member
Secretary, Labor & Employment-Member
Secretary, Trade & Industry- Member
Secretary, Trans. & Comm. - Member
Secretary, Science & Tech. - Member
Secretary, Budget- Member
Secretary, Justice- Member
Secretary, Natural Resources- Member
Director, Phil. Info. Agency- Member
Sec-Gen - Phil Nat'l Red Cross- Member
Chief of Staff, AFP- Member
Administrator, Office of Civil Defense -
Member and Executive Officer

DCC ORGANIZATIONAL NETWORK

NATIONAL DISASTER COORDINATING COUNCIL
SECRETARY, NATIONAL DEFENSE

17 REGIONAL DISASTER COORDINATING COUNCILS
RD-PNP / C, MMDA

80 PROVINCIAL DISASTER COORDINATING COUNCILS
PROVINCIAL GOVERNOR

117 CITY DISASTER COORDINATING COUNCILS
CITY MAYOR

1,498 MUNICIPAL DISASTER COORDINATING COUNCILS
MUNICIPAL MAYOR

41,945 BARANGAY DISASTER COORDINATING COUNCILS
BARANGAY CHAIRMAN

NDCC Comprehensive Disaster Management Framework



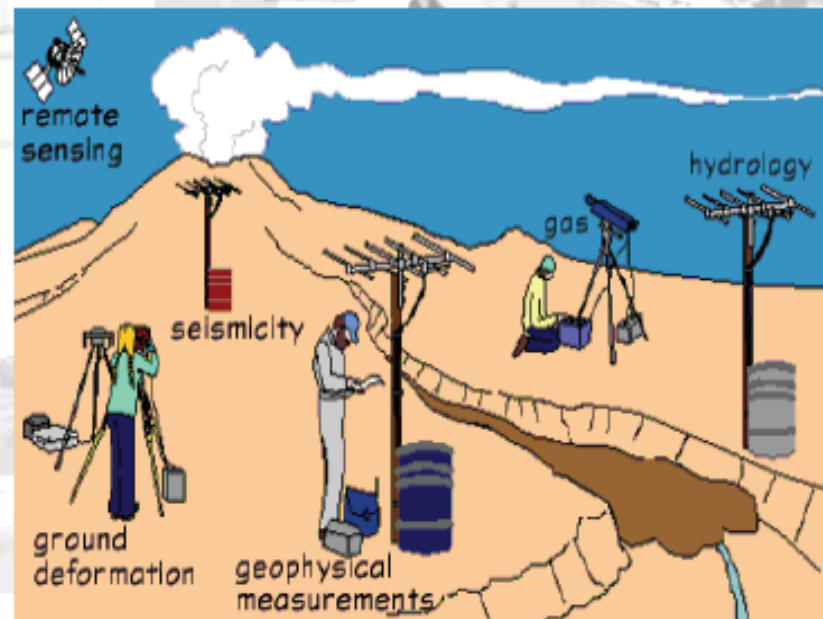
Between 1970 to 2000, the Philippines incurred an average annual direct damage of PHP 15 Billion or US\$ 300 Million due to disasters. This is equivalent to an average on 0.7% of GDP per year and have caused major setback in the country's socio-economic development.





NDCC FOUR-POINT PLANS OF ACTION

1. Upgrading of the PAGASA (Weather Bureau of the Philippines) and PHIVOLCS (Volcanology and Seismology Bureau) Forecasting Capability





NDCC FOUR-POINT PLANS OF ACTION

2. Public Information Campaign on Disaster Preparedness





NDCC FOUR-POINT PLANS OF ACTION

3. Capacity Building for Local Government Units in Identified Vulnerable Areas



3. Capability building for LCEs and their DCCs in identified vulnerable areas

- Disaster management related trainings conducted in 806 municipalities in 61 provinces





NDCC FOUR-POINT PLANS OF ACTION

4. Mechanism for Government and Private Sector Partnership in Relief and Rehabilitation

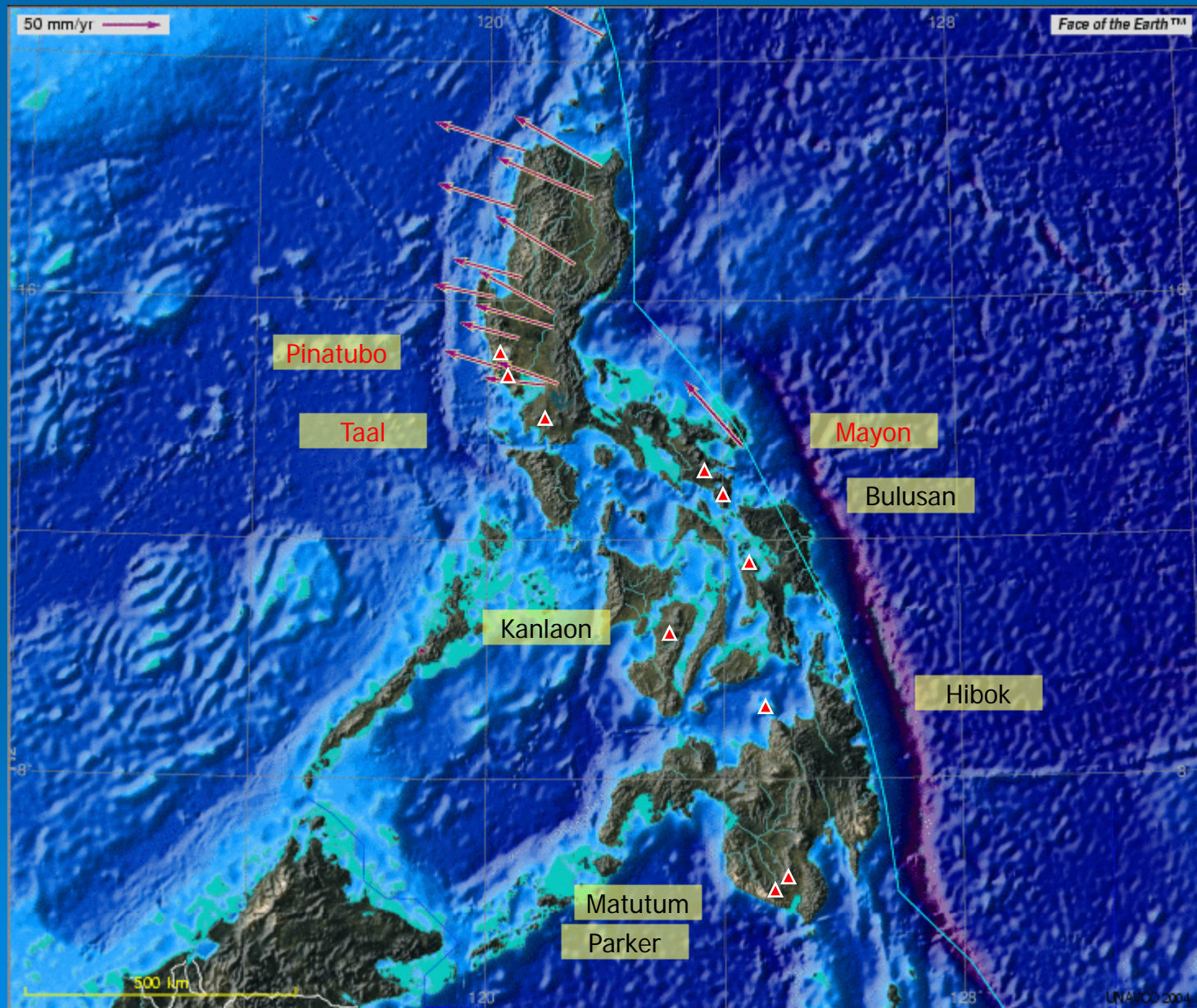


4. Strengthening mechanisms for government and private sector partnership in relief and rehabilitation



ORGANIZED THE PRIVATE SECTOR DISASTER MANAGEMENT NETWORK (PSDMN)

Subduction Margins and Location of Active Volcanoes





- **Disasters, whether natural or human-made, affect everyone, especially the poor, children, women and elderly who have the least capability to deal with disasters.**





- From 1994 to 2003, some 2.5 billion people were affected by natural disasters alone worldwide, which is an increase of 60% over the past decade.
- More than 478,000 people were killed during this period.





- **Floods and Earthquakes are the deadliest accounting for more than half of the casualties.**



RP DISASTER RISK PROFILE

- From 1970 to 2000, the Philippines incurred an average annual damage of PHP 15 Billion or US\$ 300 Million due to disasters which have caused major setback in the country's socio-economic development.



RP DISASTER RISK PROFILE



- In 2004, the country experienced twenty-five (25) weather disturbances, four of these occurring successively in November and first week of December which brought massive landslides and flooding in Southern and Central Luzon. Also last year, RP ranked number 4 worldwide in terms of frequency of disaster occurrence (25) and death toll.

References

- ***Managing Disaster Information – Felino Catro V***

Office of Civil Defense, Dept. Of National Defense, Philippines

- ***Disaster Management and Critical Issues on Disaster Risk Reduction in the Philippines,***

Atty. Priscilla P. Duque, MNSA; NDCC - Office of Civil Defense

- ***Practical Data Use for Disaster Management***

Ms. Edna I. Conda, Civil Defense Officer, Office of Civil Defense, NDCC

- **www.ndcc.gov.ph**

- ***Laguna Lake Development Authority***

Thank you for your attention!

