

Disaster Risk Financing & Insurance Program









Rebuilding after Typhoon Haiyan

Lessons Learned – A Philippine Case Study

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Overview

NATURAL DISASTERS PHILIPPINES CONTEXT PH AMONG MOST DISASTER PRONE



2015

UN Office for Disaster Risk Reduction 2015 Global Assessment Report Fifth most vulnerable country in terms of disaster risk implications for development capacity

PHILIPPINES IS LOCATED ALONG THE PACIFIC RING OF FIRE

The Human Cost of Weather Related Disasters Fourth in the world among countries hit by the highest number of disasters over the past 20 years



Source: Department of Finance, Philippines

Bopha (2012)

Recent Disasters in the Philippines

Typhoon Tracks of Category 5 Typhoons in the Pacific since 1980

Fengshen (2008)

Ketsana (2009)



https://upload.wikimedia.org/wikipedia/commons/0/01/Map_of_Pacific_Category_Five_typhoons.png Source: Department of Social Welfare and Development, Philippines

Recent Disasters in the Philippines

Magnitude 6.7 and above Earthquakes in Recent History



2012 Negros Earthquake M 6.9, Negros Island Reuters Erick De Castro, The Christian Science Monitor



2013 Cebu Earthquake M7.2, Cebu City AFP, BBC News

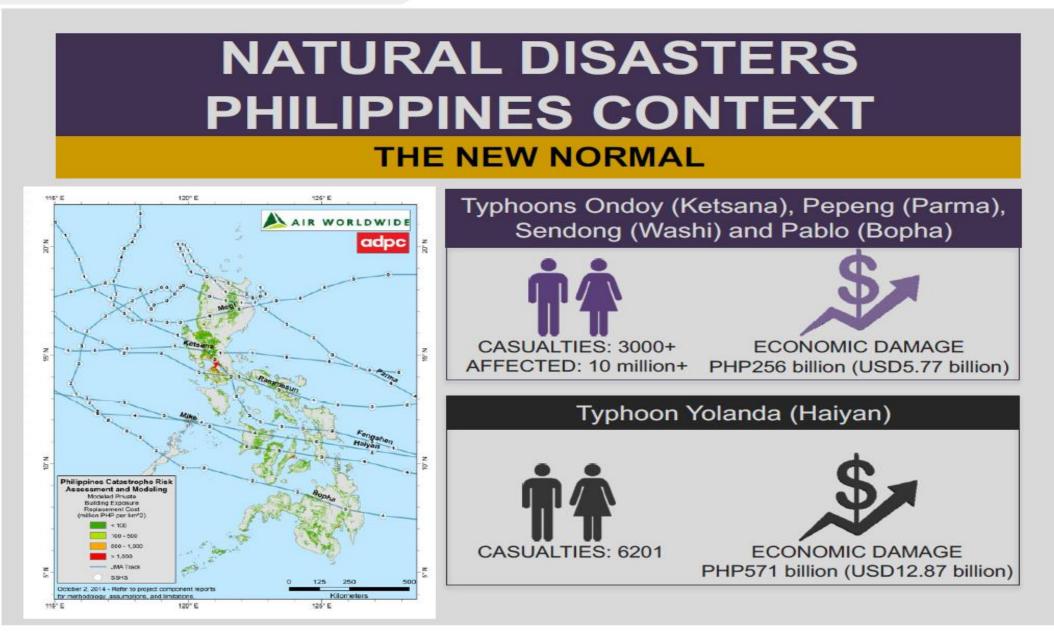


2013 Bohol Earthquake, M7.2, Loboc, Bohol Province Reuters, BBC News



2017 Surigao Earthquake, M6.7, Surigao del Norte Province UNTV News

Impacts of Disasters on People & Economy



Source: Department of Finance, Philippines

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Impacts of Disasters on People & Economy

"Yolanda" killed 6,300 people, and left 1,472,251 affected families, 1,085,446 damaged houses, and total losses USD 13.5B worth of property

The "Big 3" in 2013

The 7.2-Magnitude Great Bohol Earthquake of October 15, 2013

- 8:12 a.m., October 15, 2013:
 - A 7.2-magnitude earthquake struck Bohol, causing widespread damage to buildings and infrastructure – roads, bridges, houses, and our churches
- Loss of Life:
 - 211 dead, 877 injured, 8 missing
- Loss of Property:
 - A estimated total of P7.862 billion, based on the latest damage assessment report

A total of 441,709 families were affected by the magnitude 7.2 earthquake in Bohol, according to the (NDRRMC). In Cebu, a total of 336,517 families were affected while there were 2,677in Siguijor.

Read more: <u>http://newsinfo.inquirer.net/507725/over-400000-families-</u> affected-by-bohol-quake-ndrrmc#ixzz5KGntyFly

BOHOL REHABILITATION PLAN

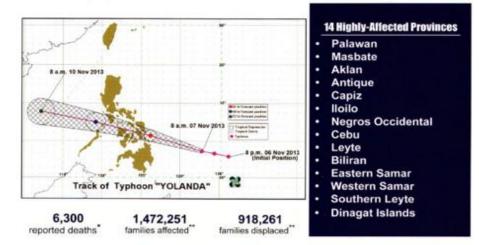
Summary by Sector

| Social Development Sector | P 3,960.979 M |
|-----------------------------------|---------------|
| | |
| Infrastructure Development Sector | 3,100.790 M |
| | |
| Economic Development Sector | 953.950 M |
| | |
| Development Administration Sector | 738.598 M |
| | |
| Total | 8,753.606 M |

SUPER TYPHOON YOLANDA (HAIYAN)

IMPACT OF THE TYPHOON

171 municipalities in 14 provinces and six (6) regions located within the 100-km storm track were highly affected.



Western Visayas has the most number of affected families...





^{- *}NDRRMC I Indate as of 17 Anril 2014 **DSWD Eart Sheat as of 14 July 201.

FUNDING REQUIREMENT

REQUIRED RESOURCES FOR PRIORITY PROJECTS

Php167.86B

The impact of the typhoon is significant which requires resources (1) to achieve the Philippine Development Plan (PDP) targets, and (2) to recover from the calamity...

Summary of indicative funding requirements (as of 8 November 2014)

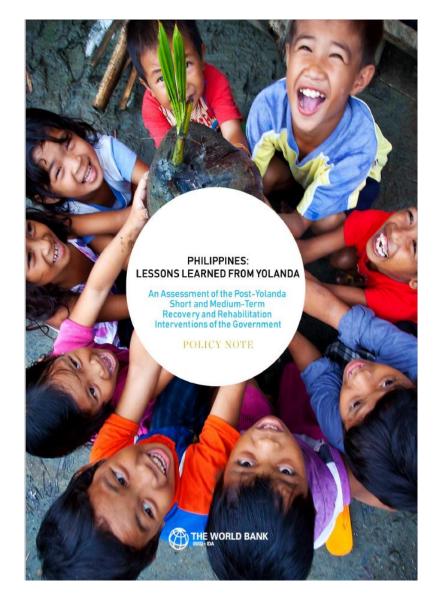
| Cluster Plan | 2014 - 2016 | Funded | 2015 Balance | 2016 Balance |
|-----------------|-----------------|----------------|----------------|----------------|
| Infrastructure | 35,148,634,408 | 23,213,868,217 | 9,473,289,191 | 2,461,457,000 |
| Social Services | 26,406,233,815 | 3,385,069,078 | 22,278,795,783 | 742,368,954 |
| Resettlement | 75,678,683,100 | 13,630,253,500 | 45,022,000,000 | 17,026,429,600 |
| Livelihood | 30,631,237,230 | 11,405,189,036 | 3,534,343,625 | 15,691,704,569 |
| TOTAL | 167,864,788,553 | 51,634,399,831 | 80,308,428,599 | 35,921,960,123 |

GoP's Disaster Risk Financing Options

- 2009: Severe flooding during Ondoy/ Pepeng Typhoons: 6,200 fatalities, US\$12.9 billion in damages (5% of GDP)
- 2010 National Disaster Risk Reduction and Management Fund and Local DRRM Fund
- In 2011, a DRM Development Policy Loan with a Catastrophe Deferred-Draw-Down Option (\$500 million) was undertaken
- Dec 16, 2011: Tropical Storm Sendong caused 1,268 fatalities, damage of \$126.6 million and losses to the economy of US\$32.3 million
- Dec 29, 2011: Upon the declaration of a national state of calamity by the President, the Philippines drew down US\$497.5 million. The drawdown occurred weeks after the Cat DDO project became effective
- Sept 23, 2013 Zamboanga Siege / Oct 15, 2013 Bohol and Cebu Earthquake / Nov 8, 2013 Super Typhoon Yolanda
- Mar 19, 2014: GoP took a post-disaster standby loan (\$500 million) from Japan GoP drew down the full amount of the standby loan)
- 2015: Philippines took on Second CAT DDO DPL (\$500 million)
- 2017: Joint Catastrophe Risk Pool Parametric Insurance for (National and 25 Provinces)

Lessons Learned & Observations

- Plan better... Prepare more... for the "new normal –- disasters"
- Strengthen institutions and systems... revisit policies, plans and regulatory frameworks
- Leadership and Coordination
- Predictability in Financing -- identify funding options for disaster response, recovery and reconstruction
- Communicate well (messaging)
- Manage expectations
- Information and Data = Gold





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