2018 Highlights of Events

PHILIPPINES

LUZON

VISAYAS

MINDANAO

Manila

Philippines Sea

South China Sea

Celebes Sea

Sulu Sea

Tropical Cyclones

21 entered the Philippine Area of Responsibility

8 made landfall

5 Tropical Storms

1 Category 2

1 Category 4

Twenty-one tropical cyclones entered the Philippine Area of Responsibility in 2018, of which 8 made landfall. Five of these were Tropical Depressions (TD). Notable was Typhoon Mangkhut (Ompong) which made landfall in September. It was the lone Category 4 typhoon that left a trail of damages, and displacement mostly in northern part of Luzon. Majority of the tropical cyclones that made landfall were characterized by heavy and prolonged rainfall, affecting 38 provinces which suffered repeated displacements topped by Eastern Visayas region (4 out of the 6 provinces). 769 Barangays / Villages experienced rain-induced flooding, while landslides were also reported.

Seismic Activities

The country, which lies along the Pacific Ring of Fire, is constantly frequented by seismic and volcanic activity each year. In 2018, seismic monitoring by the Philippine Institute of Volcanology and Seismology (PHIVOLCS) recorded more than 5,800 seismic events. Around 95% of these events were Magnitude 4.0 and below, and therefore barely felt. Even with over 250 seismic events with Magnitude 4.0 and above, there was no significant damage or casualties reported throughout the country. However, the Magnitude 7.2 offshore quake that rocked Davao Oriental province on 29 December 2018 created a scare in the coastal communities in the region after PHIVOLCS issued a Tsunami Advisory, which was lifted a few hours later after only minor sea level disturbance.

Mindanao Displacement

More than 1,200 response and recovery activities involving 42 organizations (UN, INGOs, NGOs, Red Cross) are part of the continuing Marawi City response. More than a year after the conflict ended in October 2017, there are still 69,000 people waiting to return to their homes. Apart from the Marawi conflict, other factors caused the displacement of more than 310,000 people in 20 provinces in Mindanao, the majority displaced by sporadic armed-conflicts and natural hazards. Maguindanao province topped the most displaced province (over 162,000 cumulative displacement) while Surigao provinces had the highest number of people displaced due to effects of natural hazards.

Mayon Volcano Eruption

In January 2018, the high level of unrest prompted the PHIVOLCS to raise the Mayon volcano to alert level ‘4’, characterized by imminent hazardous eruption. This resulted in the evacuation of over 81,000 people, mostly residents within the 9 kilometer-radius danger zone from the volcano. With still more than 65,000 people in evacuation camps at the beginning of March, the alert level was lowered from ‘4’ to ‘3’ (hazardous eruption within weeks). This gradually allowed the majority of the displaced residents to return to their homes. On 29 March, the Provincial Disaster Risk Reduction and Management Council (PDRRMC) of Albay ordered the full decampment of all remaining evacuees following the downgrading of Mayon’s status to alert level ‘2’ (moderate level of unrest). The 6-km Permanent Danger Zone remains off limits due to the perennial hazards of rockfalls, avalanche, ash puff and sudden steam-driven or phreatric eruptions at the summit area.
PHILIPPINES
2018 Tropical Cyclone Events

Timeline

Provinces with repeated displacement (cumulative, in '000)

21 entered the Philippine Area of Responsibility

Frequency*

Saffir-Simpson Hurricane Wind Scale

Number of tropical cyclone events that resulted to repeated displacements.

* Number of tropical cyclone events that resulted to repeated displacements.

Link to interactive visualization: https://tinyurl.com/2018-Highlights-of-Events
PHILIPPINES
2018 Seismic Events (Magnitude 4.0 and above)

LEGEND
Magnitude range
(20 dot sizes)
- 6.0 and above
- 5.0 - 6.0
- 4.0 - 5.0
- 4.0 and below

Depth in kilometers
(20 dot colors)
- > 600
- 300 - 600
- 100 - 300
- < 100

Faultlines & Trenches

The boundaries, names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

Creation date: 31 January 2019
Sources: Phivolcs; PSA
Feedback: ochaphilippines@un.org     www.unocha.org     www.reliefweb.int

Link to interactive visualization: https://tinyurl.com/2018-Highlights-of-Events
2018 Mindanao Displacement (numbers in persons)

**Mindanao displacement**
- **310K** Displaced
- **306K** Returned
- **138K** Armed-Conflict
- **98K** Natural Hazard
- **38K** Crime/Violence
- **35K** Clan Feud

**Cumulative displacement by Municipality** (Excluding Marawi Armed-Conflict)

**Marawi Armed-Conflict displacement**
- **386K** Displaced
  - **18%** still displaced
  - **82%** returned

**Displacement by province and incident type**

<table>
<thead>
<tr>
<th>Province</th>
<th>Armed Conflict</th>
<th>Clan Feud</th>
<th>Crime/Violence</th>
<th>Natural Hazard</th>
<th>Province Total</th>
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<tbody>
<tr>
<td>Agusan Del Norte</td>
<td>1,427</td>
<td>-</td>
<td>-</td>
<td>2,188</td>
<td>3,615</td>
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<tr>
<td>Agusan Del Sur</td>
<td>403</td>
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<tr>
<td>Basilan</td>
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<td>150</td>
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<td>147</td>
<td>224</td>
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<tr>
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<td>Dinagat Islands</td>
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<td>Maguindanao</td>
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<td>Surigao Del Sur</td>
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<td>Zamboanga Del Norte</td>
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<td>Total by incident</td>
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<td>35,343</td>
<td>38,316</td>
<td>98,064</td>
<td>310,666</td>
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</tbody>
</table>

**Displacement by month ('000)**

- **Jan** 14.7
- **Feb** 117
- **Mar** 8.2
- **Apr** 3.9
- **May** 1.9
- **Jun** 48.8
- **Jul** 11.3
- **Aug** 20
- **Sep** 25.8
- **Oct** 7.9
- **Nov** 25.1
- **Dec** 25.4

Link to interactive visualization: https://tinyurl.com/2018-Highlights-of-Events
PHILIPPINES  
2018 Mayon Volcano Eruption

91K  
affected population  
(61 Barangays in Albay province)

DISPLACEMENT TIMELINE (March 2018)

81.5K  
54.5K  
6.4K

LEGEND
- 6 km Permanent Danger Zone
- Municipal boundary
- Barangay boundary
- Dates of total decampment from evacuation centres
- 7 March
- 8 March
- 9 March
- 10 March
- 29 March

Dates of total decampment from evacuation centres

1 March  
31 March

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