

TROPICAL CYCLONE NORU PHILIPPINES, VIET NAM, LAO PDR FLASH UPDATE #2

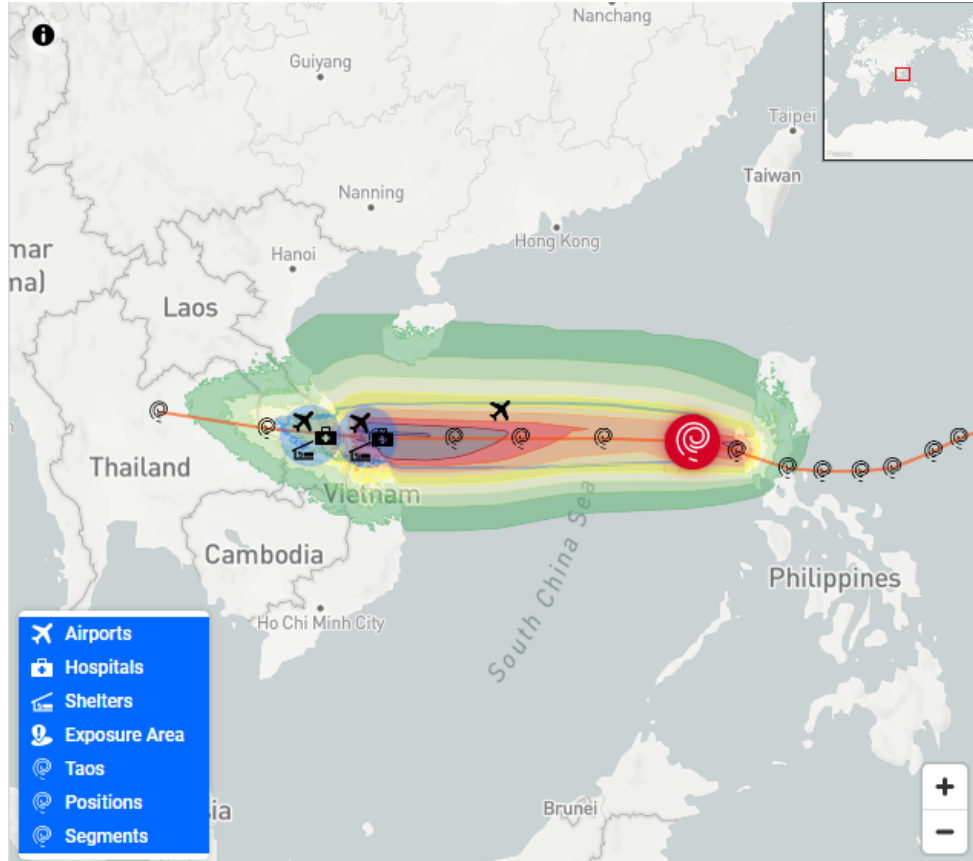


ONE ASEAN ONE RESPONSE

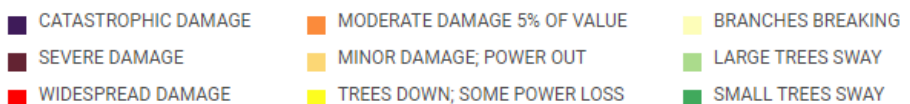


TROPICAL CYCLONE NORU

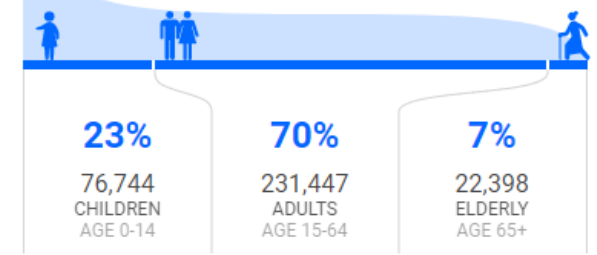
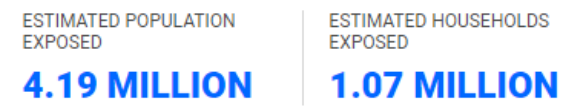
Countries affected: Philippines (25 Sep), Viet Nam (potentially on AM of 28 Sep), and Lao PDR (potentially on PM of 28 Sep)
Forecast as of 1455 HRS WIB/ICT; 1355 HRS PST



COORDINATES: LAT: 15.9 | LNG: 118.4
REPORTED: MON SEP 26 2022 14:55:05 GMT+0700 (INDOCHINA TIME)
CURRENT SUSTAINED WIND SPEED: 86 MPH / 139 KPH
GUSTS: 104 MPH / 167 KPH



POPULATION EXPOSED



LIKELIHOOD OF IMPACT TO LIFELINES



BREAKDOWN OF KEY NEEDS

FOR EXPOSED VULNERABLE POPULATION



From 22-24 September 2022, Tropical Cyclone (TC) NORU (local name: Karding) developed from a Low-Pressure area into a Tropical Storm (TS) over the Philippine Sea while moving towards Central Luzon. In the early morning of 25 September, NORU underwent a series of rapid intensifications and a period of explosive intensification and reached Super Typhoon (STY) Category. On 25 September, 1630 UTC+7, NORU made its initial landfall in the vicinity of Burdeos, Quezon and again at 1920 UTC+7 in Dingalan, Aurora as a TY-category cyclone. As of reporting, TC NORU has been detected based on all available data to be continuously moving west-northwestward away from Luzon towards West Philippine Sea-South China Sea-Viet Nam East Sea.

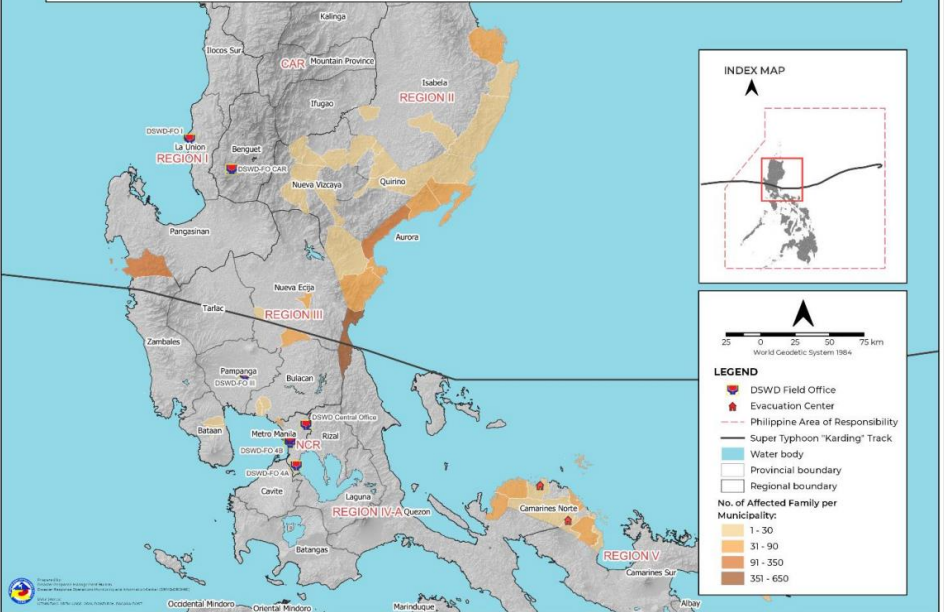
According to the initial reports from the Department of Social Welfare (DSWD), as of 26 September 2022 at 0500 UTC+7, about 9.8K people were reportedly affected by TC NORU.

TROPICAL CYCLONE NORU (local name: KARDING) PHILIPPINES FLASH UPDATE #2



ONE ASEAN ONE RESPONSE

MUNICIPALITIES AFFECTED BY SUPER TYPHOON "KARDING"




25 SEPTEMBER 2022
DSWD Secretary Erwin T. Tello spearheads a coordination meeting with DSWD Field Office (FO) III representatives food and non-food items at the DSWD FO III Regional Warehouse in preparation for Super Typhoon Karding.

25 SEPTEMBER 2022
DSWD Field Office (FO) III facilitates the distribution of family food packs to families in Victoria, Camarines Norte who have forced evacuated due to STY Karding.




KEY FIGURES


Disclosure(s): Estimations are based on data reported/confirmed by National Disaster Management Organisations of the respective ASEAN Member State (National Disaster Risk Reduction and Management Council – Office of Civil Defense (NDRRMC-OCD) and Department of Social Welfare and Development (DSWD)) and other verified sources




9.1K
AFFECTED PERSONS



9.7K
DISPLACED PERSONS



194
EVACUATION CENTRES



428 USD
WORTH OF ASSISTANCE

23.4M USD
TOTAL STANDBY FUNDS AND STOCKPILE IN DSWD CO AND FO

- **OVERVIEW:** As of 10:00AM UTC+7/11:00 AM UTC+8, the Philippine Atmospheric, Geophysical and Astronomical Services Administration ([PAGASA](#)) reported that **NORU** slightly weakened as it continues to move west-northwestward away from Luzon.
- **LOCATION:** The center of the eye of Typhoon KARDING was estimated based on all available data at 230 km West of Dagupan City, Pangasinan (16.0 °N, 118.2 °E)
- **INTENSITY:** Maximum sustained winds of 130 km/h near the center, gustiness of up to 160 km/h, and central pressure of 975 hPa; Strong to typhoon-force winds extend outwards up to 270 km from the center
- **OUTLOOK:**
 - **NORU** will begin to move generally westward in the next 12 hours and will continue its westward track as it moves over the West Philippine Sea towards Vietnam. On the track forecast, it will exit the Philippine Area of Responsibility tonight. This tropical cyclone is forecast to re-intensify beginning tonight or tomorrow early morning as the typhoon moves over the West Philippine Sea
- **TROPICAL CYCLONE WIND SIGNAL (TCWS):**
 - **TCWS no. 1** (minimal to minor threat to life and property): the central and western portions of Pangasinan, Zambales, the western portion of Tarlac, and the northwestern portion of Pampanga ([full list from PAGASA](#)).
- **IMPACTS:**
 - **2,408 families (9,765 persons) affected in 154 barangays** in Regions II, III, MIMAROPA, and V.
 - **2,370 families (9,697 persons) displaced** in Regions II, III, MIMAROPA, and V, 2,238 families (9,103 persons) of which taking temporary shelter in 194 evacuation centres in Regions II, III, MIMAROPA, and V; 132 families (594 persons) others temporarily staying with their relatives and friends.
 - **2 roads** are currently **not passable**.
 - **2 areas** in Region 1 and 6 experiencing **communication outage/issues**.
 - **12 cities/municipalities** experienced **power outage** of which, power was restored to 1.
 - **20K USD worth of damage to infrastructure** in MIMAROPA.
- **HAZARDS:** According to [PAGASA](#), heavy rainfall until afternoon today may still be experienced in Zambales, Bataan, Lubang Islands, and the western portion of Pangasinan. Under these conditions, scattered flooding and rain-induced landslides are still possible. Gale-force winds remain possible in areas under Signal no. 1.
- **PREPAREDNESS AND RESPONSE:**
 - The Philippines [NDRRMC](#) Alert Status was raised to **Red Alert** (highest level of alert to address an ongoing or in anticipation of an imminent emergency situation) on 23 Sep.
 - National Meteorological and Hydrological Services (NMHS) in the [Philippines](#), continue to release tropical cyclone warning/advisories for **NORU**.
 - A total of 3.2M USD worth of standby funds available in DSWD CO and FOs (1.8M USD is the available Quick Response Fund). A total of 16.8M USD worth of available family food packs (FFPs), other food items and non-food items.
 - 50 teams (275 personnel) deployed in Regions II, III, CALABARZON, VI & CAR, and 1,213 teams (8,552 personnel) are on standby in Regions I, II, III, CAR, VI for Search, Rescue, and Retrieval (SRR).
 - 2,798 standby transportation and 10.6K road clearing and engineering assets.
 - 59 deployed emergency ICT equipment.
 - A total of 1.4M USD worth of medical logistics available in Regions I, II, III, IV-A, IV-B, VI, CAR Metro Manila and DOH Central Office. 1,356 medical responders and 24 vehicles on standby in Regions I, II, III, CALABARZON, MIMAROPA, V, VI, NCR, and CAR
- **AHA CENTRE:**
 - Raised EOC Alert Level to **Orange** (Preparedness for Response)
 - Coordinated with NDRRMC Philippines through the OCD
 - Alerted and readied ASEAN-ERAT and DELSA for potential deployment
 - Assigned National Logistics Officer in the Philippines as In-country Liaison Team
 - Conducted Emergency Operations Centre Briefing attended by the Deputy Secretary-General of ASEAN, Disaster Management and Humanitarian Assistance Division of the ASEAN Secretariat, and AHA Centre.
- The AHA Centre will continue to monitor and issue necessary updates.

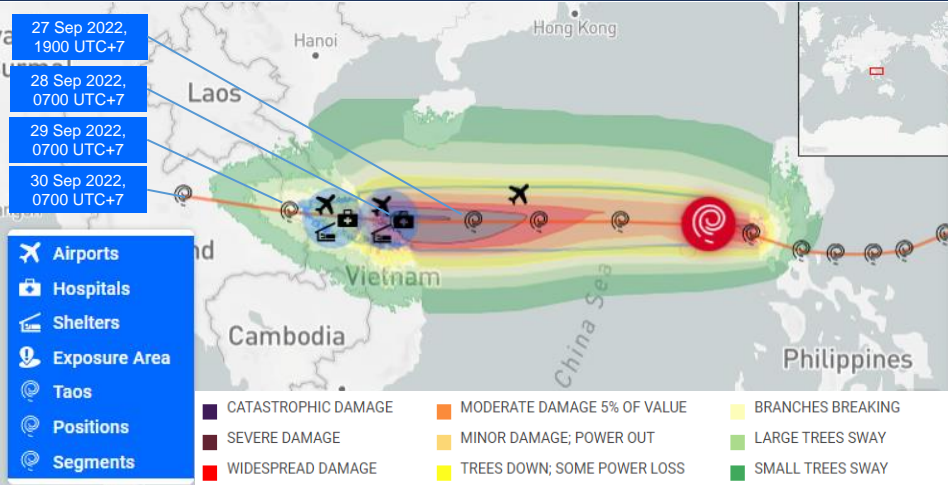
TROPICAL CYCLONE NORU (local name: Storm no. 4)

VIET NAM & LAO PDR

FLASH UPDATE #2



ONE ASEAN ONE RESPONSE



- **LOCATION:** According to the National Centre for Hydro-Meteorological Forecasting Vietnam (NCHMF), the centre of STS NORU (Karding) was estimated based on all available data at 16.0 degrees North latitude and 117.0 degrees East longitude, about **580 km east of the Parcel Islands**.
- **INTENSITY:** The strongest wind in the area near the centre of the storm is 118-133 km/h equivalent to a Category 1 Hurricane in the Saffir-Simpson Hurricane Wind Scale.
- **OUTLOOK:**
 - **STS NORU (Karding)** is forecasted to move towards the East Sea at the lock and Tho Quang fishing port (Son Tra district, Da Nang city), traveling 20-25 km per hour, moving inland to the Mid-Central region, and gradually weakening into a tropical depression on Wednesday, 28 Sep 2022 at 08:00 local time.
 - According to ASEAN Disaster Monitoring and Response System (DMRS), **STS NORU (Karding)** is forecasted to make a landfall at the Viet Nam coast and move to Lao PDR border on Wednesday, 28 Sep 2022 at 15:00 local time.

POTENTIAL IMPACTS:

Viet Nam

- According to [local news](#), forecast models show that storms are likely to **directly affect 4 localities**, namely Da Nang, Quang Nam, Quang Ngai, and Binh Dinh
- In addition, it will **indirectly affect 4 localities**, the areas are Quang Tri, Thua Thien-Hue, Phu Yen, and Kon Tum.

Lao PDR:

- **Heavy to very heavy rains** caused by NORU are also possible in the southern parts of Lao PDR and the North and Northeast Region of Thailand during 27 - 29 Sep 2022.

EXPOSURE:

- According to the ASEAN Disaster Monitoring and Response System (DMRS), in Vietnam, an estimated **3.85 million people, 1.01 million households, and \$7.96 Billion (USD) of infrastructure** (total replacement cost) are potentially exposed to moderate to severe damaging winds.
- In Lao PDR, an estimated **334,407 people, 63,097 households, and \$1.38 Billion (USD) of infrastructure** (total replacement cost) are potentially exposed to moderate to severe damaging winds.

PREPAREDNESS AND RESPONSE:

- The National Steering Committee for Disaster Prevention and Control of Viet Nam has dispatched letter No. 29/CD-QG dated September 24, 2022 to respond to the potential impacts of NORU especially in Quang Ninh to Binh Thuan and Than Hoa to Quang Ngai Province ([VNDMA](#))
- National Meteorological and Hydrological Services (NMHS) in the [Philippines](#), [Thailand](#), and [Viet Nam](#) have released tropical cyclone warning/advisories for NORU.
- The AHA Centre has initiated coordination with VNDMA Viet Nam and NDMO Lao PDR and will continue to monitor and issue necessary updates.

