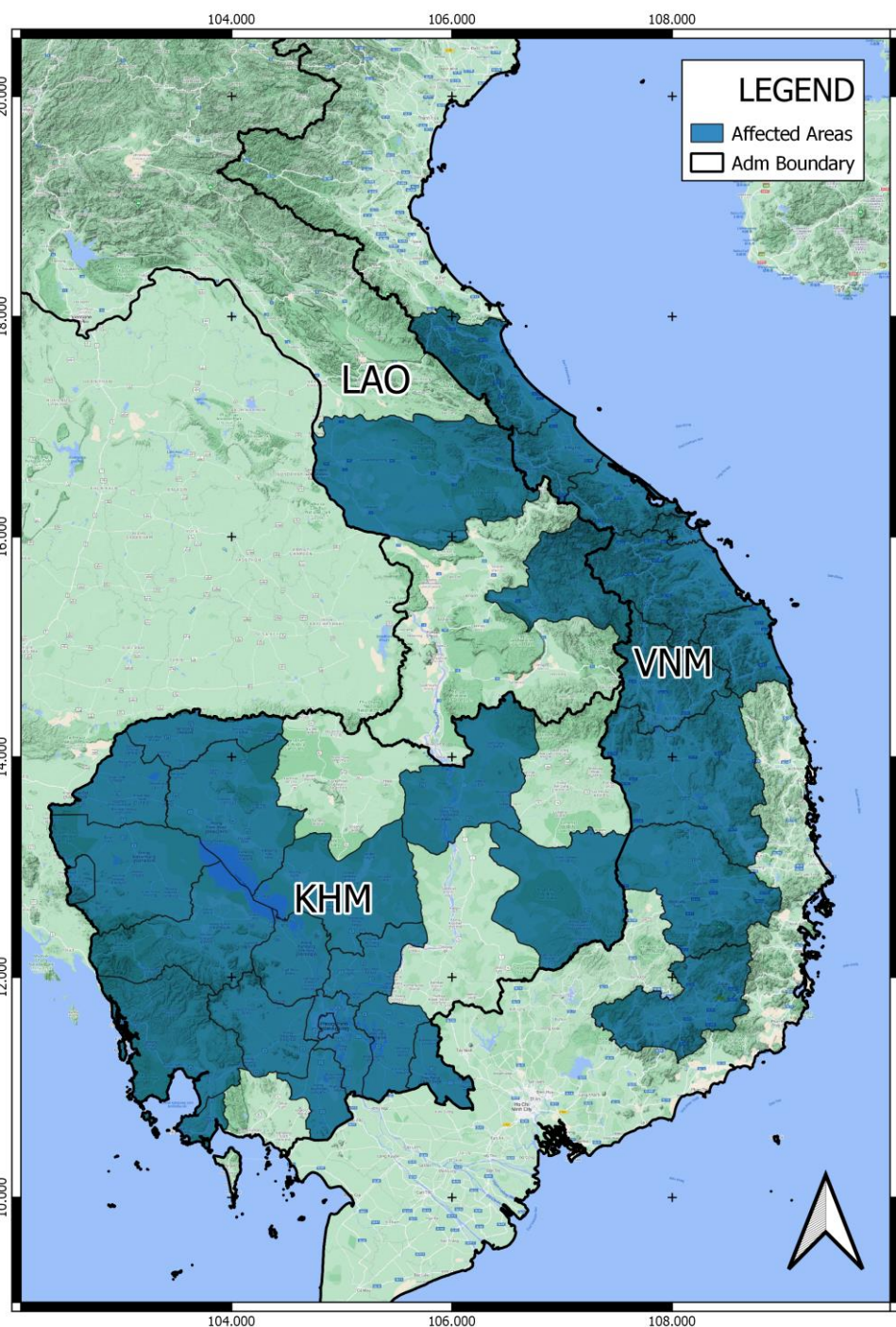


I. SUMMARY

Page 1 of 6



REPORTED EFFECTS



138
DEAD



24
MISSING



1.13M
AFFECTED
PERSONS



113K
DISPLACED
PERSONS



235K
AFFECTED HOUSES



411K Ha
AFFECTED
AGRICULTURAL
LAND



982
AFFECTED
SCHOOLS



1,713 KM
HIGHWAY
POINTS/ROADS
DAMAGED

Note: Estimations are based on data reported/confirmed by National Disaster Management Organisations of each respective ASEAN Member State and other verified sources

SITUATION OVERVIEW

The combination of weather systems (Tropical Depression, Inter Tropical Convergence Zone combined with cold air) have affected the Lower Mekong Region. This has resulted in widespread flooding and landslides in multiple provinces of **Cambodia**, **Lao PDR**, and **Viet Nam** according to the [National Committee on Disaster Management](#) (Cambodia), [Department of Meteorology and Hydrology](#) (Lao PDR), and, the Viet Nam National Disaster Management Authority ([VNDMA](#)) and [National Centre for Hydro-Meteorological Forecasting](#) (Viet Nam).

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Lao PDR: NDMO;
Viet Nam: VNDMA, NCHMF
Verified news media agencies

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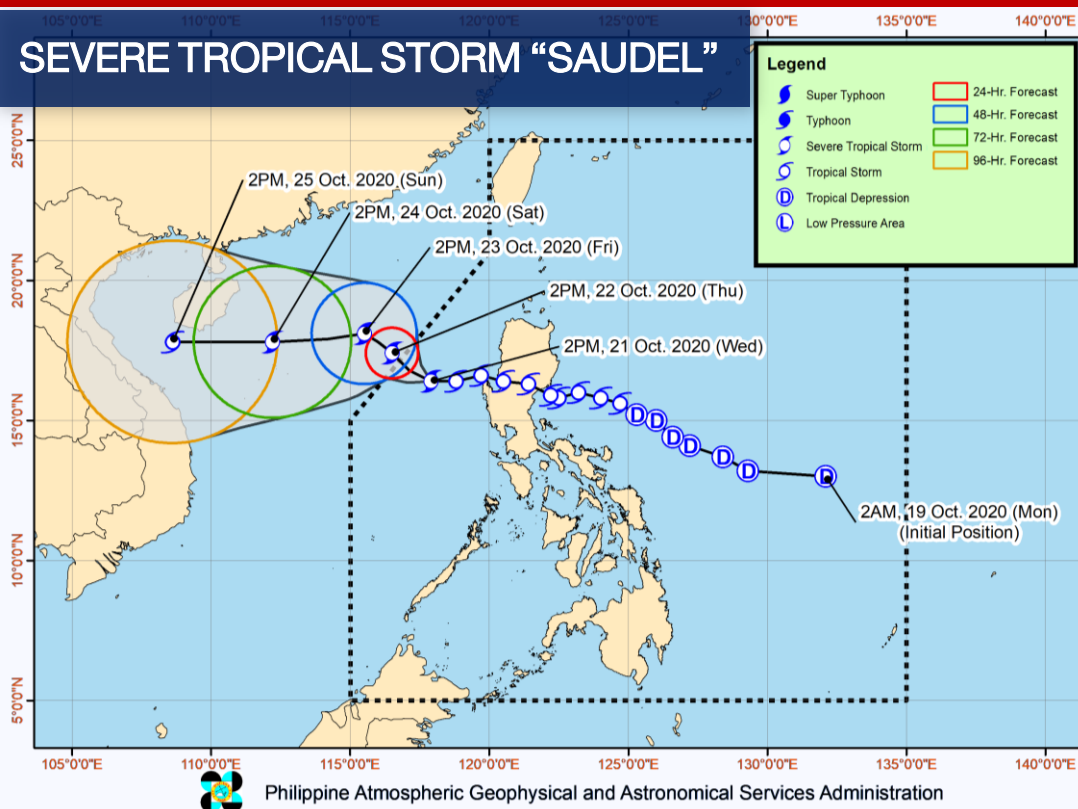
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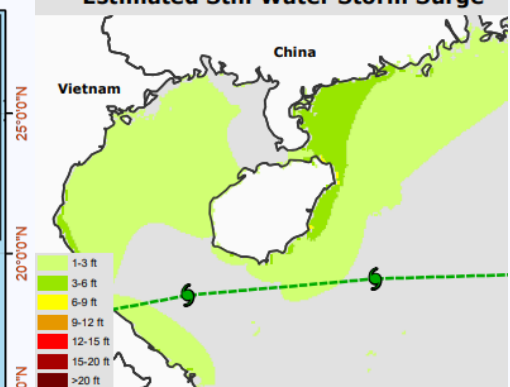
II. HAZARD BRIEF

Page 2 of 6

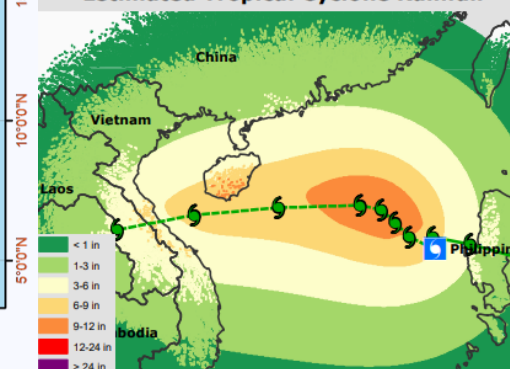
SEVERE TROPICAL STORM “SAUDEL”



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



TS LINFA

- As of Monday, 12 Oct 2020, The storm brought further heavy rainfall to central provinces of Vietnam. Ta Long in Qang Tri province recorded 210 mm of rain, and Quang Dien and A Luoi in Thua Thien-Hue both saw 182mm in a 24-hour period on 12 October. Central Vietnam has been plagued by heavy rain since around 05 October, with many provinces seeing severe flooding and landslides ([Floodlist](#)).

TS NANGKA

- On 14 Oct 2020, Tropical Storm NANGKA tracked through Northern Viet Nam and added at least 150 mm of rain to the still flooded provinces of Central Viet Nam.

STS SAUDEL

- As of 17:02h of 21 October 2020, the National Centre for Hydro-Meteorological Forecasting (NCHMF) of Viet Nam forecasts **Tropical Storm SAUDEL** to hit **Central Viet Nam** on **25 October 2020**. This will be the third tropical cyclone to impact the central provinces within three consecutive weeks.
- As of 16:00h of 21 October 2020, the Philippine Atmospheric, Geophysical and Astronomical Services Administration ([PAGASA](#)) last located Tropical Storm SAUDEL over the West Philippine Sea. It is expected to further strengthen as it tracks westward towards Viet Nam, and may reach its peak intensity between 23 to 24 October 2020. Based on the last update, Tropical Storm SAUDEL packs a maximum sustained winds of 95 km/h near the center and gustiness of up to 115 km/h. This weather disturbance is already stronger than Tropical Storm LINFA in terms of wind strength.
- Severe Tropical Storm - SAUDEL** is not expected to cross-over a major land-mass within the next 48-72 hours. For the extended forecast, an estimated 1,689 people, 528 households, and \$31 Million (USD) of infrastructure (based on the replacement value) are potentially exposed to moderate to severe damaging winds (with damage expected closer to the shores). All shorelines in the path of the storm are exposed to potential storm surge, and inland areas within the proximity of the storm are exposed to potential flooding.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Laos PDR: NDMO;
Viet Nam: VNDMA, NCHMF
Verified news media agencies

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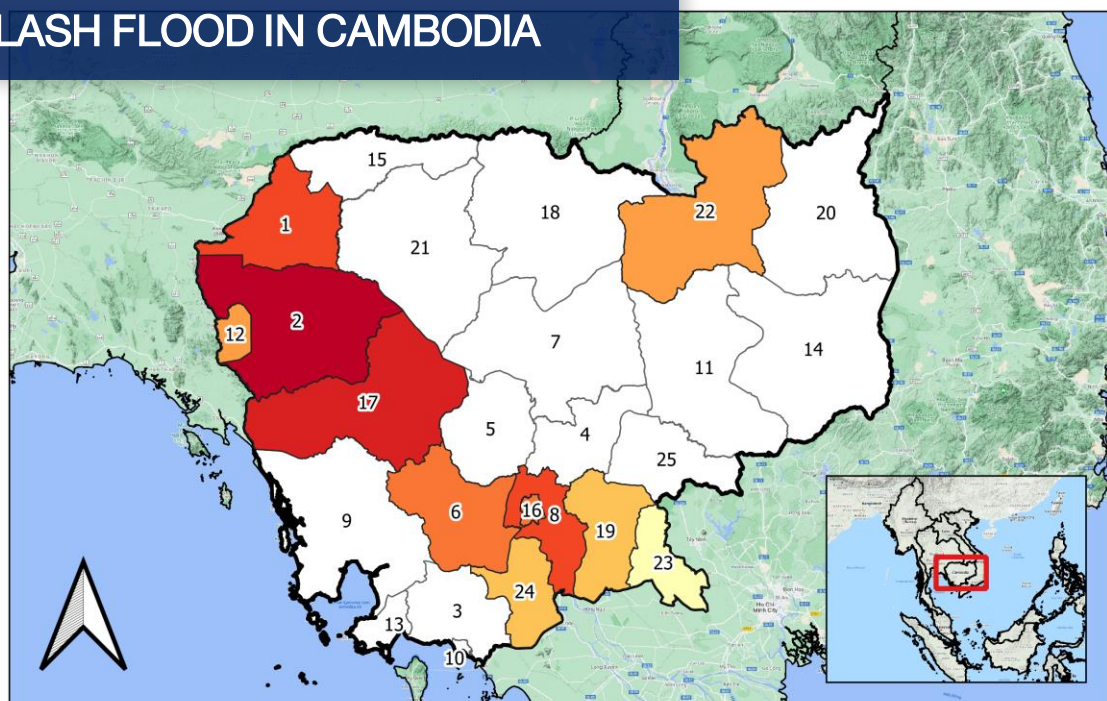
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III. SITUATION IN CAMBODIA

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FLASH FLOOD IN CAMBODIA

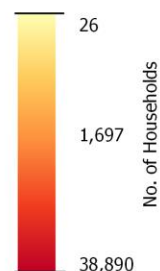


Flash Flooding in Cambodia

Legend

- National Adm Boundary
- Provincial Boundary

Affected Provinces



NCDM: Due to the influence of the constant low pressure and tropical depressions covering some parts of Cambodia, there are still heavy rains in parts of the country.

As a result, this has prolonged flooding in the already affected provinces, and slightly submerged several new central low-lying areas.

The flash floods were reported in 19 provinces (91 districts). So far, Cambodia's NCDM is still monitoring the tropical depression covering Cambodia and the progress of Tropical Storm Saudel which might affect the northeastern part of the country.

Data source: WFP-Cambodia. Note: Data presented in the table below is the latest available from Provincial Committees for Disaster Management. Due to the time lag in reporting and rapidly evolving situation the flood impact data is subject to change.

ID	Province	HH Affected	HH Displaced	Deaths	Houses	Medical	Schools	Roads (m)	Land (ha)	Date Reported
1	Bântéay Méanchey	8538	1473	6	8538	0	52	200887	13511	15-Oct-20
2	Batdâmbâng	38890	1331	0	2812	1	25	4020	131665	13-Oct-20
6	Kâmpóng Spœ	1697	336	0	626	0	23	87725	2791	15-Oct-20
8	Kândal	4157	12	1	3974	0	0	48816	1059	15-Oct-20
12	Krong Pailin	742	253	1	620	6	68	22675	4583	15-Oct-20
16	Phnom Penh	3131	45	0	2855	0	0	0	0	15-Oct-20
17	Pouthisat	18365	1891	3	436	0	0	276359	62531	13-Oct-20
19	Prey Vêng	237	0	0	0	0	0	20	168	12-Oct-20
22	Stoeng Trêng	923	55	1	851	1	2	6850	379	14-Oct-20
23	Svay Rieng	26	0	0	0	0	0	0	67	15-Oct-20

OFFICIAL FIGURES

From NCDM Cambodia as of 19 Oct 2020



25
DEAD



312,224
AFFECTED PERSONS



37,396
EVACUATED PERSONS



73,720
AFFECTED HOUSES



568
AFFECTED SCHOOLS



293,177 ha
AFFECTED PADDY AND CROP FIELDS

Flood Situation Overview

- According to Cambodia's National Committee on Disaster Management (NCDM), as consequences of Tropical Storm 11 (NOUL), Tropical Storm 15 (LINFA) and other Tropical Depression since early September 2020, Cambodia has experienced heavy rainfall across the country especially in the northwestern, northern plateau, and coastal areas.
- The constant heavy rains have caused the severe flash floods in 19 provinces, including Pursat, Battambang, Banteay Meanchey, Pailin, Sihanoukville, Phnom Penh, Svay Rieng, Udor Meanchey, Siem Reap, Takeo, Kompong Speu, Mondul Kiri, Koh Kong, Kandaal, Kompong Chhnang, Kompong Thom, Prey Veang, Stueng Traeng, and Kompong Cham.
- Relief assistance has been distributed to the affected people in Pursat Province and NCDM has coordinated the response operations in other affected provinces.
- NCDM is monitoring the progress of STS SAUDEL which might affect the northeastern part of the country.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Lao PDR: NDMO;
Viet Nam: VNDMA, NCHMF
Verified news media agencies

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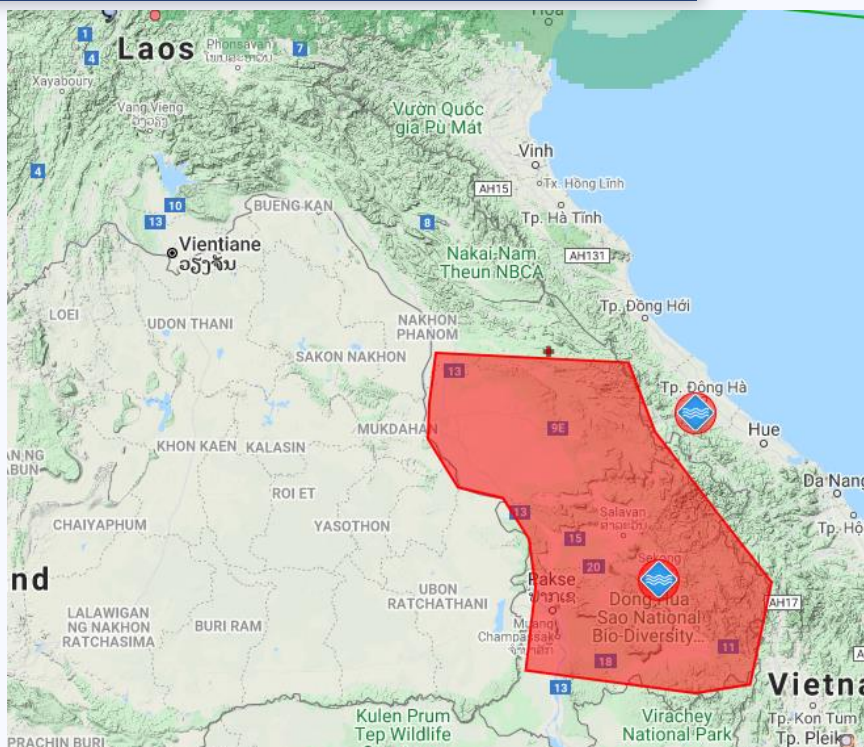
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IV. SITUATION IN LAO PDR

Page 4 of 6

FLOODING IN LAO PDR



REPORTED IMPACTS

As of 19 October from Lao PDR NDMO

2
DEAD

2
MISSING

16,013
AFFECTED
PERSONS

9,240
DISPLACED
PERSONS

702
AFFECTED
HOUSES

11,133 ha
AFFECTED PADDY
FIELDS AND CROPS

52
AFFECTED
SCHOOLS

Note: Estimations are based on data reported/confirmed by National Disaster Management Organisations of each respective ASEAN Member State and other verified sources

Flood Situation and Disaster Management Overview

- From 7-11 October 2020 and 8-11 October 2020, flooding affected the provinces of Sekong and Savannakhet in southern Lao PDR. This is linked to the effects of TS LINFA.
- In 2018 and 2019, the southern provinces of Lao PDR, including Sekong and Savannakhet, also suffered from flooding events due to the effects of tropical cyclones. In 2020, the impacts are considerably lower compared with the previous two years.
- NDMO Lao PDR is investing on its hazards and disaster monitoring and analysis capabilities and capacities through the ASEAN Disaster Monitoring & Response System (DMRS).
- NDMO Lao PDR coordinated the emergency response with local authorities. Flooding situation has already improved.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Lao PDR: NDMO;
Viet Nam: VNDMA, NCHMF
Verified news media agencies

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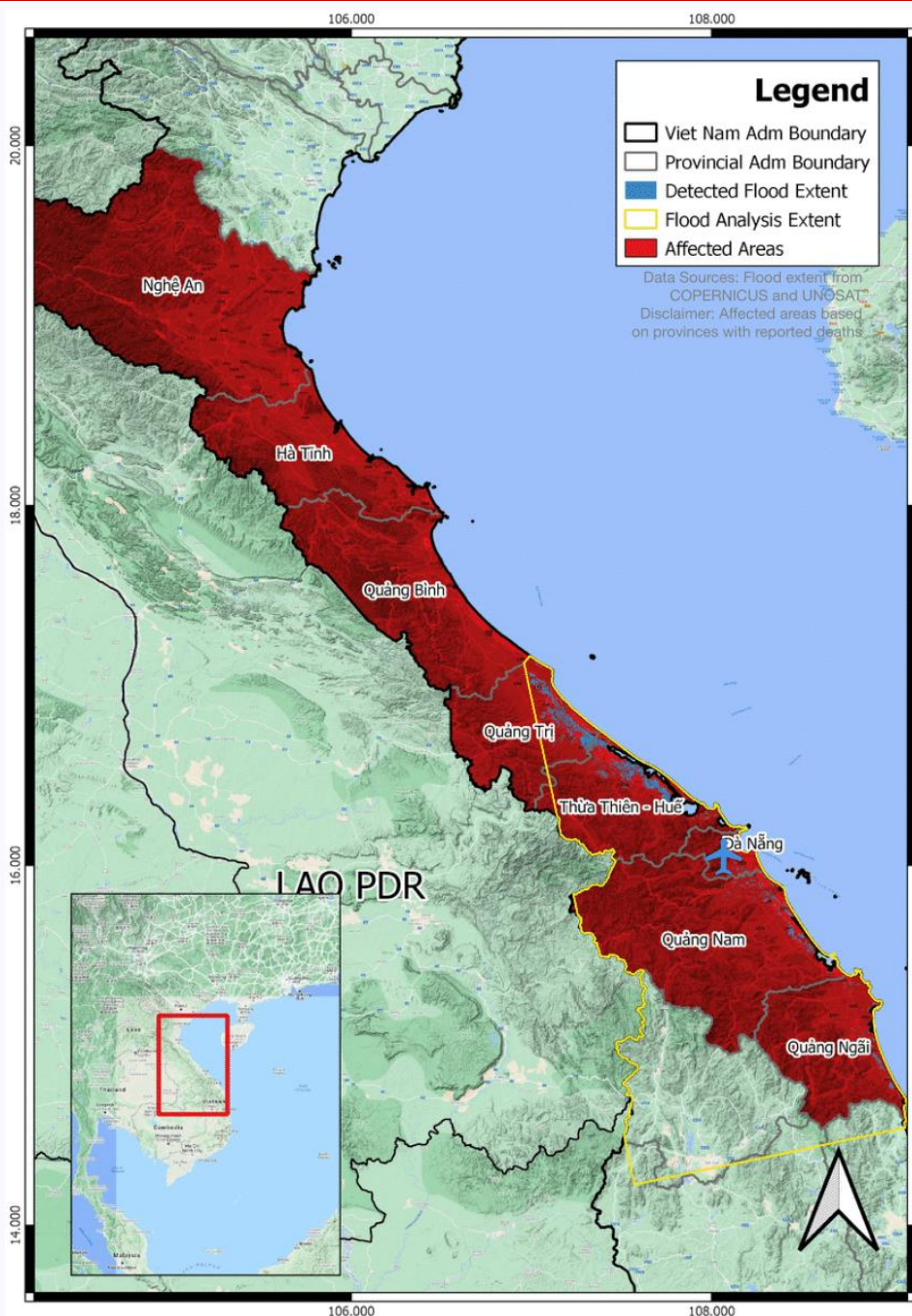
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V. SITUATION IN VIET NAM

Page 5 of 6



REPORTED IMPACTS

As of 21 October from VNDMA



Note: Estimations are based on data reported/confirmed by National Disaster Management Organisations of each respective ASEAN Member State and other verified sources

SITUATION OVERVIEW

- Since 6 October 2020, the Central region of Viet Nam has experienced prolonged heavy rainfall. This was reportedly due to the combination of weather systems (Tropical Storms LINFA and NANGKA, and the Inter Tropical Convergence Zone (ITCZ) combined with cold air).
- In the morning of 11 October 2020, Tropical Storm LINFA entered the mainland of Quang Nam and Quang Ngai provinces in Central Viet Nam, dumping **150 to 300 mm** of rain. Further, in the evening of 14 October 2020, Tropical Storm NANGKA tracked through Northern Viet Nam, added at least **150 mm** of rain to the still flooded provinces of Central Viet Nam.

- As a result of aforementioned occurrences, widespread flooding and landslides in multiple provinces of **Cambodia, Lao PDR, and Viet Nam** were reported. These disaster events were confirmed by the National Committee for Disaster Management (NCDM) of Cambodia, National Disaster Management Office (NDMO) of Lao PDR, and Viet Nam Disaster Management Authority (VNDMA).
- According to VNDMA, widespread floods occurred in the provinces of Ha Tinh to Quang Ngai and big floods in the provinces of Quang Binh to Quang Nam. Small to medium riverine floods were also observed in Quang Binh, Quang Tri, and Thua Thien Hue provinces reaching alarm level 3. Historical flooding was also reported in Hieu River in Quang Tri and Bo River in Thua Thien Hue.
- In the evening of 16 October 2020, the tropical depression (INVEST 94W) on the East Sea weakened into a low pressure area and entered the central provinces. The weather disturbance gradually weakened before dissipating.
- As of 17:02h of 21 October 2020, the National Centre for Hydro-Meteorological Forecasting (NCHMF) of Viet Nam forecasts **Severe Tropical Storm (STS) SAUDEL to hit Central Viet Nam on 25 October 2020**. This will be the third tropical cyclone to impact the central provinces within three consecutive weeks.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Lao PDR: NDMO;
Viet Nam: VNDMA, NCHMF
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VI. SITUATION IN VIET NAM – RESPONSE SITUATION

Page 6 of 6



[LEFT] Photo from VNDMA showing the severity of flooding in some affected areas. [TOP RIGHT] Photo from UNHRD showing the loading of kitchen sets in the DELSA Warehouse in Subang, Malaysia. [BOTTOM RIGHT] Photo from VNDMA showing arrival of shelter repair kits and kitchen sets in Da Nang, Viet Nam, and subsequent equal allocation to the provinces of Thua Thien Hue and Quang Tri.

Response Situation

- From 20 to 23 October 2020, three (3) teams, coordinated by VNDMA, will conduct damage assessment and needs analysis in the provinces of Quang Binh, Quang Tri, Thua Thien Hue, Quang Nam, and Quang Ngai.
- While the emergency response is ongoing, the CCNDPC is already preparing for the potential impacts of STS SAUDEL to Central Viet Nam. Safety measures were issued for ships and seafarers in the East Sea, localities were advised to evacuate people from at-risk areas, and to ensure maximum preparedness, including search & rescue capabilities.
- The CCNDPC continues to coordinate various Governmental efforts related to the ongoing emergency response and preparedness activities.

AHA Centre Actions and Planned Activities

- The AHA Centre mobilised 1,000 shelter repair kits and 1,300 kitchen sets from the DELSA warehouse in Subang, Malaysia to augment the relief resources of the Government of Viet Nam. The relief items arrived in Da Nang International Airport on the evening of 20 October 2020. The relief items were distributed equally to Thua Thien Hue and Quang Tri provinces by VNDMA.
- The AHA Centre stands ready to support and facilitate regional and international assistance, if and when requested by VNDMA.
- The AHA Centre will continue its close coordination with VNDMA and will issue necessary updates accordingly.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)
Cambodia: NCDM, WFP;
Lao PDR: NDMO;
Viet Nam: VNDMA, NCHMF
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