



Republic of the Philippines  
Department of Education  
Region IX, Zamboanga Peninsula  
**SCHOOLS DIVISION OF ZAMBOANGA DEL NORTE**  
Dipolog City 7100



**DIVISION MEMORANDUM NO. \_\_\_\_\_ SERIES OF 2019**



**To : PUBLIC SCHOOLS DISTRICT SUPERVISORS  
ELEMENTARY AND SECONDARY SCHOOL HEADS  
DISTRICT AND SCHOOL DRRM COORDINATORS**

**From : OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT**

**Subject : LA NINA INFO GRAPH AND PREPAREDNESS MEASURES FOR TROPICAL  
CYCLONE, STORM SURGE AND FLOOD.**

**Date : JULY 24, 2019**

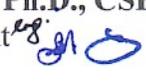
The severity of the disaster depends upon the capacity of the school to cope using its own resources. And, a well-informed community can better address emergencies if they can respond appropriately using the necessary preparedness measures to be undertaken in a particular hazard.

Decreasing vulnerabilities and increasing capacities could prevent disaster. To equip schools with the knowledge necessary to avoid untoward eventualities, in order to protect school children from exposure to unnecessary risks is one of the important mechanisms to avoid disaster.

As such, you are all hereby informed of a **La Nina Info Graph and Preparedness Measures for Tropical Cyclone, Storm Surge and Flood** for the education sector to serve as guide of the school personnel and learners for the different hazards of schools.

The above-mentioned educational material can be downloaded from the Division Web Site through [depedzn.net](http://depedzn.net) and DRRM Link <http://bit.ly/zndrrrmdrive>.

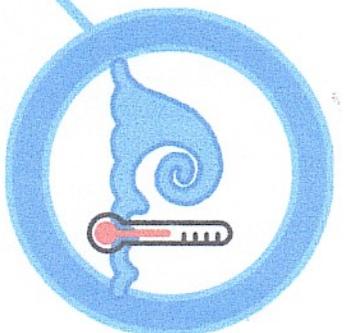
For information and guidance.

**PEDRO MELCHOR M. NATIVIDAD, Ph.D., CSEE**  
Schools Division Superintendent 

# LA NIÑA

What do we need to know?

La Niña episodes represent periods of below-average sea surface temperatures across the east-central Equatorial Pacific.



**When does it happen?**

The Sea Surface Temperature (*unusual rise and fall*) and the interaction of winds and other weather systems generate a climate pattern triggering on El Niño or a La Niña phenomenon.

This phenomenon takes place in the ocean and bring adverse effect on the climate system of the land.

The impact may bring drought and excessive rainfall depending on the factors that affects the climate.

**INDICATORS**

- SEA SURFACE TEMPERATURE
- SURFACE PRESSURE
- TRADEWINDS
- CLOUD



**How are we affected?**  
**EFFECTS ON PHILIPPINE CLIMATE**

- Early Raining Season
- Short Dry Season
- Strong Monsoon Activity
- More Tropical Cyclones
- Above Normal Rainfall



**RISKS RELATED TO LA NIÑA**

- FLOODING
- FLASH FLOODS
- LANDSLIDES
- COASTAL EROSIONS

**POSSIBLE IMPACTS**

- LOSS OF LIFE AND PROPERTY
- PREVALENCE OF WATER-BORNE DISEASES (Cholera, Leptospirosis, & Shistosomiasis)
- EXTENSIVE DAMAGE TO CROPS
- DAMAGE TO INFRASTRUCTURE due to traffic, work and class suspension
- ECONOMIC LOSSES
- DISRUPTION OF LEARNING/EDUCATION

Unusual cooling is happening in the Central and Eastern Equatorial Pacific

Sea Surface Temperature reaches **5 -0.5°C**

Colder temperatures are felt

Stronger Winds are coming from the East

2016, 2017, 2018  
The Phenomenon may last 1-3 years and occurs every 3-4 years

**How Many Tropical Cyclones are expected to enter the Philippines?**

2016	
JUNE	0-1
JULY	1-3
AUGUST	2-4
SEPTEMBER	2-4
OCTOBER	2-4

SOURCES: PAGASA-DOST, NOAA





DEPED  
DEPARTMENT OF EDUCATION

# DEPED PREPAREDNESS MEASURES FOR LA NIÑA



## SCHOOL DISASTER RISK MANAGEMENT



Check flood warning advisories from PAGASA, your Local Disaster Risk Reduction and Management Office, and Local News Bulletins.



Closely coordinate with your Division DRRM Coordinator for information coming from the DepEd Disaster Risk Reduction and Management Service (DRRMS) and report conditions in your school and surrounding vicinity.



Form and/or activate your School Disaster Risk Reduction and Management Team (SDRRM). Involve various offices in the team.



Develop a School Disaster Preparedness or Contingency Plan for La Niña and Tropical Cyclone and related risks (flood, landslides).



Coordinate and work with the barangay to link preparedness measures in the School Disaster Preparedness/Contingency Plan with the Contingency Plan of the barangay.



Clean and clear canals and other waterways in the school vicinity to prevent clogging and flooding.



Prune trees to avoid entanglement from electrical wirings and potential harm to life and property.



Ensure that school buildings can withstand heavy rain and strong winds.



Install rainwater harvesting and storage in your school.



Educate personnel and learners about La Niña and weather disturbances, including rainfall warnings, typhoon signals, and possible effects and measures to undertake using the websites of the Department of Science and Technology and PAGASA.



Incorporate lessons on hazards and preparedness in classes and extra-curricular activities so that students are equipped with necessary knowledge and skills on what to do before, during, and after the onslaught of hazards.



Ensure that teachers provide assignments to students that will make them convey their learning to as well as work with their parents and family members in preparing for La Niña and other related hazards.



Identify storage area/s for safekeeping of vital records, textbooks, teaching manuals, computers, and other school equipment

## SAFE LEARNING FACILITIES

## DRR IN EDUCATION

DISASTER RISK REDUCTION & MANAGEMENT SERVICE  
2nd Floor Machine Building, DepEd Complex, Marikina Avenue, Pasig City

CONTACT US!  
Email address: [drrmo@deped.gov.ph](mailto:drrmo@deped.gov.ph)

+632-635-3754; +632-637-4933



# PREPAREDNESS FOR TROPICAL CYCLONES



Know and monitor typhoon warning signals and weather advisories



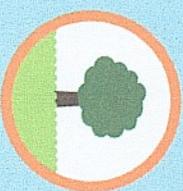
Observe EO 66, s. 2012 and DO 43, s. 2012 on the guidelines and implementation of class suspensions and school-based decisions in coordination with local government units (LGU)



Secure weak parts of school buildings and strengthen the stability of the structures by using anchors and guy wires



Clean and clear all drainage systems to prevent them from clogging. Cover open drainage canals with proper warning signs



Prune trees to keep electrical wirings from entanglement to avoid potential harm to life and properties

## Disaster Risk Reduction and Management Service

0928 871 8053 (02) 637 4933  
0915 205 3244 (02) 635 3764

[drmo@deped.gov.ph](mailto:drmo@deped.gov.ph)

**BE INFORMED  
BE PREPARED**

# PREPAREDNESS FOR TROPICAL CYCLONES



Secure database of students and their family details; these are essential in tracking learners



Keep first aid kits, flashlights, megaphones, and other Go-Bag necessary supplies needed for emergencies  
Ensure that these supplies can be easily located or accessed



Store electrical school equipment, learning and teaching materials as well as important school records and documents in identified safe, elevated, dry storage space within the school



Keep emergency hotline numbers



Prepare an evacuation plan to help you identify evacuation areas and classrooms that can be used as temporary shelters during emergencies in accordance with RA 10821



Pre-identify possible sites for Temporary Learning Spaces (TPS)



Plan for resumption strategies, e.g., Alternative Delivery Modes, and availability of learning resources



Region and Division Offices are directed to monitor and support schools in preparing for the onslaught of hazards

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