

PRE-EMPTIVE EVACUATION



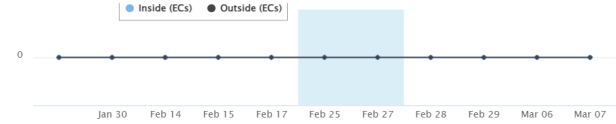
AFFECTED POPULATION



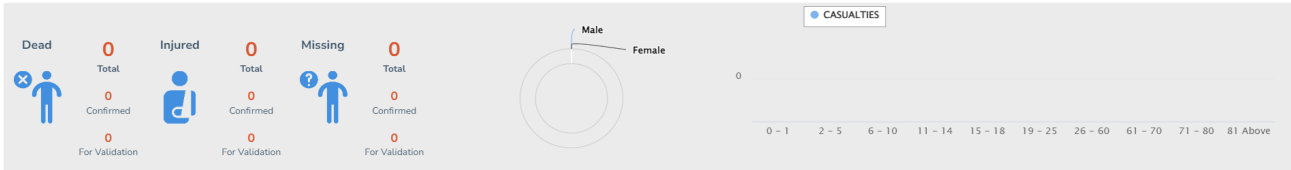
STATUS OF EVACUATION



DISPLACEMENT TREND



CASUALTIES



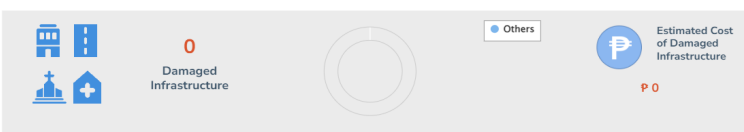
RELATED INCIDENTS



DAMAGED HOUSES



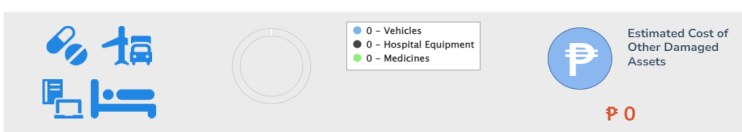
DAMAGE TO INFRASTRUCTURE



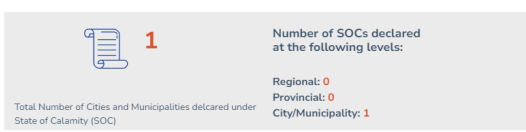
DAMAGE TO AGRICULTURE



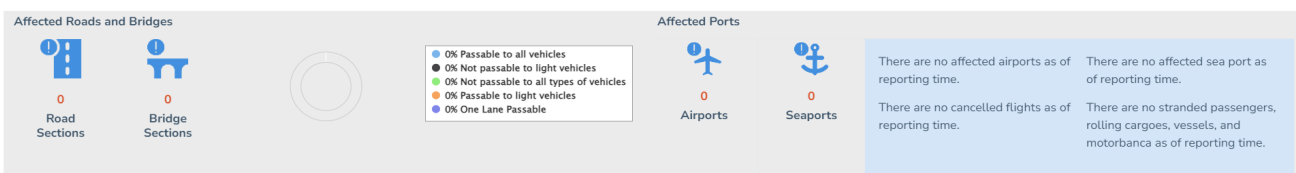
OTHER DAMAGED ASSETS



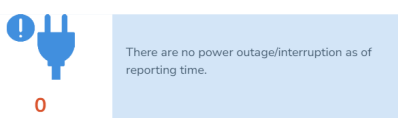
STATE OF CALAMITY



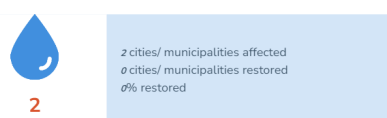
STATUS OF LIFELINES



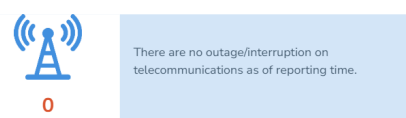
Power



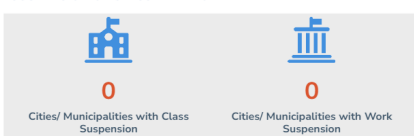
Water Supply



Communication Lines



SUSPENSION OF CLASS AND WORK



ASSISTANCE PROVIDED





REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

## **El Niño (2023)**

### **SitRep No. 10 for El Nino (2023)**

**March 07, 2024 08:00 am**

Per PAGASA's El Niño Advisory No. 1 issued on 04 July 2023, PAGASA's climate monitoring and analyses indicated that the unusual warming of sea surface temperatures along the equatorial Pacific that was established in March 2023 has further developed into a weak El Niño.

#### June 2023 Assessment

- Below to near normal rainfall conditions were observed in most parts of the country except in the provinces of La Union, Batanes, southern Palawan, Bohol, Southern Leyte, Camiguin, Agusan del Sur and Davao Region, which received above normal rainfall.

#### July 2023 Assessment

- Near to above normal rainfall conditions were experienced in most parts Luzon, except for Nueva Viscaya and Quirino which received below normal rainfall conditions. Meanwhile, Visayas and Mindanao received below to near normal rainfall except for the provinces of Guimaras, Davao del Norte, Agusan del Sur, Dinagat Islands and Surigao del Sur where above normal rainfall was observed.

Per PAGASA's El Niño Advisory No. 3 issued on 05 September 2023, an increased positive sea surface temperature anomaly (SSTA) was observed across the tropical Pacific, indicating a moderate El Niño.

#### August 2023 Assessment

- Most parts of Northern Luzon, most of the Visayas, Zamboanga Peninsula, most of Davao Region, Caraga, and BARMM received near to above normal rainfall.  
- Below to way below-normal rainfall conditions were experienced over most parts of MIMAROPA, CALABARZON, and Bicol Region, some parts of Eastern Visayas, and the rest of Mindanao.

#### September 2023 Assessment

- Most parts of the country received near to above normal rainfall except Kalinga, Apayao, Ilocos Norte, Batanes, Cagayan, Batangas, Cavite, Laguna, Oriental Mindoro, Occidental Mindoro, Palawan, Camarines Sur, Guimaras, and Lanao del Norte provinces.

Per PAGASA's El Niño Advisory No. 5 issued on 07 November 2023, a moderate-to-strong El Niño was present in the tropical Pacific, showing signs of further intensification in the coming months as SSTAs reach more than 1.5degC.

#### October 2023 Assessment

- Most parts of the country received near normal to below normal rainfall conditions except Nueva Ecija, which received way below normal rainfall.  
- Above normal rainfall condition was observed in Ilocos Norte, Batanes, Camarines Norte, Capiz and Davao City.

Per PAGASA's El Niño Advisory No. 6 issued on 06 December 2023, a strong El Niño was present in the tropical Pacific and further intensified as SSTAs have reached more than 1.5degC

#### November 2023 Assessment

- Way below to below normal rainfall conditions were experienced in most parts of Northern and Central Luzon, Metro Manila, Cavite, Rizal, Occidental Mindoro, Palawan and few provinces in Visayas and Mindanao.

#### December 2023 Assessment

- Way below to below normal rainfall conditions were experienced in most parts of the country except Bulacan, Quezon, Bohol, Siquijor, Southern Leyte, Zamboanga Peninsula, Northern Mindanao, Davao Region, Caraga.

Over the past five (5) months of rainfall deficits, Cavite has experienced meteorological drought (3 consecutive months of way below normal rainfall), twenty-four (24) provinces experienced dry spell (3 consecutive months of below normal rainfall), while three (3) provinces experienced dry conditions (2 consecutive months of below normal rainfall).

Per PAGASA's El Niño Advisory No. 7 issued on 05 January 2024, a strong El Niño was ongoing and was expected to continue through January-February 2024. Majority of global climate models suggested that El Niño will likely persist until the March-April-May 2024 season with a transition to ENSO-neutral in the April-May-June 2024 season.

#### December 2023 Assessment

- Way below to below normal rainfall conditions were experienced in most parts of the country except Bulacan, Quezon, Bohol, Siquijor, Southern Leyte, Zamboanga Peninsula, Northern Mindanao, Davao Region, Caraga, and were near normal rainfall were observed. Consequently, above normal rainfall conditions were observed over Batanes and Agusan del Norte.

Per PAGASA's El Niño Advisory No. 8 issued on 06 February 2024, a strong El Niño is expected to continue through February 2024. The majority of global climate models suggest that El Niño will likely persist until the March-April-May 2024 season, with a transition to ENSO-neutral conditions expected in the April-May-June 2024 season.

#### January 2024 Assessment

- Way below to below normal rainfall conditions were experienced in most parts of Luzon, Visayas and Northern Mindanao while near to above normal rainfall were observed in the provinces of Pampanga, Tarlac, Bicol Region and the rest of Mindanao.

#### February 2024 Outlook

- Predicted rainfall conditions for the month show that way below to below normal rainfall conditions are likely over most parts of the country with some exceptions of near normal rainfall conditions over the provinces of Bukidnon, Davao Region, and Caraga.

By the end of February, twenty-four (24) provinces in Luzon and one (1) province in Visayas are potential for meteorological drought conditions; seventeen (17) provinces for dry spell, while, ten (10) provinces will be potential for dry conditions.

## AFFECTED POPULATION

A total of 30 families or 142 persons were affected. Of which, 0 families or 0 persons were served inside 0 ECs and 0 families or 0 persons were served outside ECs:

Affected Regions	AFFECTED			INSIDE ECs			OUTSIDE ECs	
	Brgy	Families	Persons	No. of ECs	Families	Persons	Families	Persons
<b>TOTAL</b>	1	30	142	0	0	0	0	0
Region 6	1	30	142	0	0	0	0	0

## WATER SUPPLY

A total of 2 cities/municipalities were affected. Below is the current status of water supply:

REGION	NO. OF CITIES/ MUNICIPALITIES	
	INTERRUPTED	RESTORED
GRAND TOTAL	2	0
Region 6	1	0
Region 9	1	0

Note: Six (6) barangays in Himamaylan, Negros Occidental have been experiencing shortage in water supply for drinking and agricultural use since December 2023.

## DAMAGE AND LOSSES TO AGRICULTURE (2)

### Department of Agriculture

REGION	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
		WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
GRAND TOTAL	29,409	11,276.32	15,455.08	26,731.4	0	0	0	44,845.42	1,236,853,305.08
Region 1	2,015	93	933	1,026	0	0	0	2,031	54,450,077
Region 2	6,323	8,737.29	276	9,013.29	0	0	0	12,000.85	180,473,413.82
CALABARZON	397	0	189.56	189.56	0	0	0	0	2,750,947.56
MIMAROPA	2,613	1,315.92	1,801.02	3,116.94	0	0	0	0	319,755,957.97
Region 6	18,039	1,122.89	12,240.5	13,363.39	0	0	0	30,813.57	678,705,381.73
Region 9	22	7.22	15	22.22	0	0	0	0	717,527

### National Irrigation Administration

REGION	NUMBER OF DAMAGED INFRASTRUCTURE		TOTAL	COST OF DAMAGE
	TOTALLY DAMAGED	PARTIALLY DAMAGED		
GRAND TOTAL	0	0	0	0

Note: Figures are subject to change due to ongoing validation and verification.

## DECLARATION OF STATE OF CALAMITY

A total of 1 cities/municipalities were declared under the State of Calamity. Below is the number of SOC's issued:

REGION	NO. OF SOC'S ISSUED			
	REGIONAL	PROVINCIAL	CITY/ MUNICIPALITY	BARANGAY
GRAND TOTAL	0	0	1	0
MIMAROPA	0	0	1	0

## ASSISTANCE PROVIDED

The following assistance were provided to MIMAROPA.

	QTY	UNIT	AMOUNT (PHP)
GRAND TOTAL	71,795		362,564,850
Financial	71,795	pax	362,564,850

**AFFECTED POPULATION as of (March 07, 2024 08:00)**

REGION   PROVINCE   CITY/ MUNICIPALITY   BARANGAY		NO. OF AFFECTED			No. of ECs		Inside Evacuation Centers				Outside Evacuation Centers				TOTAL SERVED (CURRENT)			
		Brgys.	Families	Persons	CUM	NOW	Families		Persons		Families		Persons		Families		Persons	
							CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW		
							(Inside + Outside)		(Inside + Outside)		(Inside + Outside)		(Inside + Outside)					
<b>GRAND TOTAL</b>	1	1	30	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>REGION 6</b>	1	1	30	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>CAPIZ</b>	1	1	30	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dumarao	1	1	30	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tina		1	30	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**WATER SUPPLY as of (March 07, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		TYPE	SERVICE PROVIDER	DATE OF INTERRUPTION/ OUTAGE	TIME OF INTERRUPTION/ OUTAGE	DATE RESTORED	TIME RESTORED	REMARKS
<b>GRAND TOTAL</b>	2							
<b>REGION 6</b>	1							
<b>NEGROS OCCIDENTAL</b>	1							
Himamaylan	1							
Cabadiangan								Shortage in drinking and farm land since December 2023
Nabalian								Shortage in drinking and farm land since December 2023
Carabalan								Shortage in drinking and farm land water since December 2023
Su-ay								Shortage in drinking and farm land water since December 2023
To-oy								Shortage in drinking and farm land water since December 2023
Buonavista								Shortage in drinking and farm land water since December 2023

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		TYPE	SERVICE PROVIDER	DATE OF INTERRUPTION/ OUTAGE	TIME OF INTERRUPTION/ OUTAGE	DATE RESTORED	TIME RESTORED	REMARKS
<b>REGION 9</b>	1							
<b>ZAMBOANGA DEL SUR</b>	1							
Zamboanga City	1							
		Public	Zamboanga City Water District	08 January 2024				Implemented water rationing scheme at the West Coast and Central areas (PrimeWater-served areas) in Zamboanga City

**DAMAGE AND LOSSES TO AGRICULTURE (2) as of (March 07, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
<b>GRAND TOTAL</b>	94			29,409	11,276.32	15,455.08	26,731.4	0	0	0	44,845.42	1,236,853,305.08
<b>DA TOTAL</b>	94			29,409	11,276.32	15,455.08	26,731.4	0	0	0	44,845.42	1,236,853,305.08
<b>NIA TOTAL</b>				0	0	0	0	0	0	0	0	0
<b>REGION 1</b>	5			2,015	93	933	1,026	0	0	0	2,031	54,450,077
<b>ILOCOS NORTE</b>	3			1,831	51	753	804	0	0	0	1,290	33,586,637
No breakdown	3			1,831	51	753	804	0	0	0	1,290	33,586,637
		Crops	Rice	797	18	381	399	0	0	0	332	12,178,007
		Crops	Corn	929	33	353	386	0	0	0	897	17,876,785
		Crops	High Value Crops	105	0	19	19	0	0	0	61	3,531,845
<b>PANGASINAN</b>	2			184	42	180	222	0	0	0	741	20,863,440
No breakdown	2			184	42	180	222	0	0	0	741	20,863,440
		Crops	Rice	103	42	131	173	0	0	0	741	20,356,645
		Crops	Corn	81	0	49	49	0	0	0	0	506,795
<b>REGION 2</b>	13			6,323	8,737.29	276	9,013.29	0	0	0	12,000.85	180,473,413.82

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
<b>CAGAYAN</b>	2			1,969	1,915	276	2,191	0	0	0	3,117	51,579,814
Enrile	1			706	635	0	635	0	0	0	525	9,024,102
		Crops	Corn	706	635	0	635	0	0	0	525	9,024,102
Solana	1			1,263	1,280	276	1,556	0	0	0	2,592	42,555,712
		Crops	Corn	1,263	1,280	276	1,556	0	0	0	2,592	42,555,712
<b>ISABELA</b>	10			4,354	6,400.24	0	6,400.24	0	0	0	8,279.14	120,047,304.82
CAUAYAN CITY	1			375	551	0	551	0	0	0	989.6	14,349,142
		Crops	Corn	375	551	0	551	0	0	0	989.6	14,349,142
CITY OF ILAGAN	1			759	1,115	0	1,115	0	0	0	500.64	7,259,207.5
		Crops	Corn	759	1,115	0	1,115	0	0	0	500.64	7,259,207.5
QUIRINO	1			71	104.9	0	104.9	0	0	0	141.3	2,048,854.35
		Crops	Corn	71	104.9	0	104.9	0	0	0	141.3	2,048,854.35
REINA MERCEDES	1			187	275	0	275	0	0	0	246.95	3,580,775
		Crops	Corn	187	275	0	275	0	0	0	246.95	3,580,775
SAN GUILLERMO	1			266	390.65	0	390.65	0	0	0	526.21	7,629,980.48
		Crops	Corn	266	390.65	0	390.65	0	0	0	526.21	7,629,980.48
SAN ISIDRO	1			14	20.69	0	20.69	0	0	0	18.58	269,404.49
		Crops	Corn	14	20.69	0	20.69	0	0	0	18.58	269,404.49
SAN MARIANO	1			1,097	1,613	0	1,613	0	0	0	2,896.95	42,005,746
		Crops	Corn	1,097	1,613	0	1,613	0	0	0	2,896.95	42,005,746
STA. MARIA	1			238	350	0	350	0	0	0	471.45	6,836,025
		Crops	Corn	238	350	0	350	0	0	0	471.45	6,836,025
STO. TOMAS	1			272	400	0	400	0	0	0	359.2	5,208,400
		Crops	Corn	272	400	0	400	0	0	0	359.2	5,208,400
TUMAUNI	1			1,075	1,580	0	1,580	0	0	0	2,128.26	30,859,770
		Crops	Corn	1,075	1,580	0	1,580	0	0	0	2,128.26	30,859,770
<b>NUEVA VIZCAYA</b>	1			0	422.05	0	422.05	0	0	0	604.71	8,846,295
SOLANO	1			0	422.05	0	422.05	0	0	0	604.71	8,846,295
		Crops	Corn	0	422.05	0	422.05	0	0	0	604.71	8,846,295
<b>CALABARZON</b>	1			397	0	189.56	189.56	0	0	0	0	2,750,947.56
<b>QUEZON</b>	1			397	0	189.56	189.56	0	0	0	0	2,750,947.56



REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
No breakdown	1			397	0	189.56	189.56	0	0	0	0	2,750,947.56
		Crops	Rice	397	0	189.56	189.56	0	0	0	0	2,750,947.56
<b>MIMAROPA</b>	<b>18</b>			<b>2,613</b>	<b>1,315.92</b>	<b>1,801.02</b>	<b>3,116.94</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>319,755,957.97</b>
<b>OCCIDENTAL MINDORO</b>	<b>6</b>			<b>629</b>	<b>0</b>	<b>968.6</b>	<b>968.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48,219,736.61</b>
Calintaan	3			315	0	388.5	388.5	0	0	0	0	16,879,806
		Crops	Corn	39	0	59.3	59.3	0	0	0	0	2,515,930
		Crops	High Value Crops	174	0	191.7	191.7	0	0	0	0	3,786,360
		Crops	Rice	102	0	137.5	137.5	0	0	0	0	10,577,516
Looc	1			10	0	9	9	0	0	0	0	332,124.14
		Crops	Rice	10	0	9	9	0	0	0	0	332,124.14
Sablayan	1			188	0	409.1	409.1	0	0	0	0	27,422,107
		Crops	Corn	188	0	409.1	409.1	0	0	0	0	27,422,107
San Jose	1			116	0	162	162	0	0	0	0	3,585,699.47
		Crops	Rice	116	0	162	162	0	0	0	0	3,585,699.47
<b>OCCIDENTAL MINDORO</b>	<b>4</b>			<b>1,293</b>	<b>780.49</b>	<b>551.47</b>	<b>1,331.96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>223,606,077.25</b>
Bulalacao (San Pedro)	2			923	521	344.75	865.75	0	0	0	0	148,424,500
		Crops	High Value Crops	325	0	326.75	326.75	0	0	0	0	126,230,400
		Crops	Rice	598	521	18	539	0	0	0	0	22,194,100
Mansalay	2			370	259.49	206.72	466.21	0	0	0	0	75,181,577.25
		Crops	High Value Crops	18	18.8	0	18.8	0	0	0	0	21,132,500
		Crops	Rice	352	240.69	206.72	447.41	0	0	0	0	54,049,077.25
<b>PALAWAN</b>	<b>8</b>			<b>691</b>	<b>535.43</b>	<b>280.95</b>	<b>816.38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47,930,144.11</b>
Brookes Point	2			312	312.5	117.62	430.12	0	0	0	0	26,973,886.4
		Crops	Corn	5	5.3	4.8	10.1	0	0	0	0	472,980
		Crops	Rice	307	307.2	112.82	420.02	0	0	0	0	26,500,906.4
Coron	1			56	32.5	26	58.5	0	0	0	0	2,169,695.45
		Crops	Rice	56	32.5	26	58.5	0	0	0	0	2,169,695.45
Narra	3			187	123.88	18.43	142.31	0	0	0	0	10,660,157.26
		Crops	Corn	32	28.57	4.51	33.08	0	0	0	0	1,538,476.3

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
		Crops	High Value Crops	94	33.04	2.67	35.71	0	0	0	0	5,088,686.9
		Crops	Rice	61	62.27	11.25	73.52	0	0	0	0	4,032,994.06
Quezon	1			87	20.15	118.9	139.05	0	0	0	0	5,898,530
		Crops	Rice	87	20.15	118.9	139.05	0	0	0	0	5,898,530
Roxas	1			49	46.4	0	46.4	0	0	0	0	2,227,875
		Crops	Rice	49	46.4	0	46.4	0	0	0	0	2,227,875
<b>REGION 6</b>	<b>56</b>			<b>18,039</b>	<b>1,122.89</b>	<b>12,240.5</b>	<b>13,363.39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,813.57</b>	<b>678,705,381.73</b>
<b>ILOILO</b>	<b>22</b>			<b>9,064</b>	<b>805.25</b>	<b>7,710.9</b>	<b>8,516.15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,816.9</b>	<b>470,089,747</b>
Tigbauan	1			424	83.39	277.96	361.35	0	0	0	732.99	17,591,834.4
		Crops	Rice	424	83.39	277.96	361.35	0	0	0	732.99	17,591,834.4
Oton	1			631	72.72	521.55	594.27	0	0	0	1,476.15	32,475,326.4
		Crops	Rice	631	72.72	521.55	594.27	0	0	0	1,476.15	32,475,326.4
Tubungan	1			780	40.85	298.99	339.84	0	0	0	996.32	22,113,210.39
		Crops	Rice	780	40.85	298.99	339.84	0	0	0	996.32	22,113,210.39
Anilao	1			1,176	0	1,147.3	1,147.3	0	0	0	2,270.6	52,223,800
		Crops	Rice	1,176	0	1,147.3	1,147.3	0	0	0	2,270.6	52,223,800
San Enrique	2			236	0	189.14	189.14	0	0	0	250.26	5,234,779.97
		Crops	Rice	181	0	140.19	140.19	0	0	0	124.41	2,956,879.97
		Crops	Corn	55	0	48.95	48.95	0	0	0	125.85	2,277,900
Cabatuan	1			1,023	5.2	835.57	840.77	0	0	0	1,786.73	42,881,524.8
		Crops	Rice	1,023	5.2	835.57	840.77	0	0	0	1,786.73	42,881,524.8
Barotac Nuevo	2			943	35.35	1,196.56	1,231.91	0	0	0	3,143.15	68,925,562.5
		Crops	Rice	937	27.85	1,170.06	1,197.91	0	0	0	3,087.26	67,919,610
		Crops	Corn	6	7.5	26.5	34	0	0	0	55.89	1,005,952.5
Miag-ao	1			87	15.3	20.15	35.45	0	0	0	112.96	2,872,117.86
		Crops	Rice	87	15.3	20.15	35.45	0	0	0	112.96	2,872,117.86
Mina	1			353	2	220.5	222.5	0	0	0	278.93	7,962,403.78
		Crops	Rice	353	2	220.5	222.5	0	0	0	278.93	7,962,403.78
Dingle	2			140	0	123.75	123.75	0	0	0	348.9	7,713,511.5
		Crops	Rice	110	0	104.5	104.5	0	0	0	310	7,130,011.5
		Crops	Corn	30	0	19.25	19.25	0	0	0	38.9	583,500

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
Dumangas	1			1,489	459.85	1,259.08	1,718.93	0	0	0	5,034.85	120,836,330.4
		Crops	Rice	1,489	459.85	1,259.08	1,718.93	0	0	0	5,034.85	120,836,330.4
Igaras	2			109	7.5	24.75	32.25	0	0	0	68.91	2,571,355
		Crops	Rice	42	0	24.75	24.75	0	0	0	48.91	1,320,705
		Crops	High Value Crops	67	7.5	0	7.5	0	0	0	20	1,250,650
Banate	1			504	0	527	527	0	0	0	974.95	21,448,900
		Crops	Rice	504	0	527	527	0	0	0	974.95	21,448,900
Zarraga	1			12	10.64	2.2	12.84	0	0	0	35.87	913,008
		Crops	Rice	12	10.64	2.2	12.84	0	0	0	35.87	913,008
San Miguel	2			127	0.2	117.35	117.55	0	0	0	306.73	5,841,707
		Crops	Rice	125	0	117.3	117.3	0	0	0	306.15	5,816,907
		Crops	High Value Crops	2	0.2	0.05	0.25	0	0	0	0.58	24,800
Carles	1			630	46.75	499.5	546.25	0	0	0	668.95	15,385,850
		Crops	Rice	630	46.75	499.5	546.25	0	0	0	668.95	15,385,850
Barotac Viejo	1			400	25.5	449.55	475.05	0	0	0	2,329.65	43,098,525
		Crops	Corn	400	25.5	449.55	475.05	0	0	0	2,329.65	43,098,525
<b>NEGROS OCCIDENTAL</b>	<b>10</b>			<b>1,205</b>	<b>103.75</b>	<b>949.44</b>	<b>1,053.19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,144.95</b>	<b>55,088,956.24</b>
Himamaylan	1			110	0	78.15	78.15	0	0	0	175.99	3,822,361.28
		Crops	Rice	110	0	78.15	78.15	0	0	0	175.99	3,822,361.28
Cauayan	1			197	64.29	113.67	177.96	0	0	0	555.86	14,011,540
		Crops	Rice	197	64.29	113.67	177.96	0	0	0	555.86	14,011,540
Hinobaan	1			178	0	180.05	180.05	0	0	0	110.28	2,525,595.6
		Crops	Rice	178	0	180.05	180.05	0	0	0	110.28	2,525,595.6
Sipalay	1			38	5.18	27.59	32.77	0	0	0	76.42	1,623,445.62
		Crops	Rice	38	5.18	27.59	32.77	0	0	0	76.42	1,623,445.62
Binalbagan	1			7	0	9.45	9.45	0	0	0	21.24	513,360
		Crops	Rice	7	0	9.45	9.45	0	0	0	21.24	513,360
Isabela	1			1	0	0.35	0.35	0	0	0	0.24	11,760
		Crops	Rice	1	0	0.35	0.35	0	0	0	0.24	11,760
Moises Padilla	1			9	1.86	3.5	5.36	0	0	0	17.6	450,897.5

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
		Crops	Rice	9	1.86	3.5	5.36	0	0	0	17.6	450,897.5
Hinigaran	1			51	1	35.82	36.82	0	0	0	74.19	1,808,175.2
		Crops	Rice	51	1	35.82	36.82	0	0	0	74.19	1,808,175.2
Ilog	1			110	0	100.68	100.68	0	0	0	267.41	7,487,370.24
		Crops	Rice	110	0	100.68	100.68	0	0	0	267.41	7,487,370.24
Kabankalan	1			504	31.42	400.18	431.6	0	0	0	845.72	22,834,450.8
		Crops	Rice	504	31.42	400.18	431.6	0	0	0	845.72	22,834,450.8
<b>ANTIQUE</b>	<b>17</b>			<b>3,969</b>	<b>188.84</b>	<b>2,173.06</b>	<b>2,361.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,982.48</b>	<b>120,637,519.17</b>
Hamtic	2			189	2.65	149.35	152	0	0	0	351.85	7,601,926.67
		Crops	Rice	148	0	124.6	124.6	0	0	0	298.42	6,863,660
		Crops	Corn	41	2.65	24.75	27.4	0	0	0	53.43	738,266.67
Patnongon	2			896	20.5	527.83	548.33	0	0	0	1,577.59	30,043,757
		Crops	Rice	780	0	433.33	433.33	0	0	0	1,039.99	21,839,832
		Crops	Corn	116	20.5	94.5	115	0	0	0	537.6	8,203,925
Valderrama	2			68	6	92	98	0	0	0	243	5,368,200
		Crops	Rice	60	4	86	90	0	0	0	215.4	4,954,200
		Crops	Corn	8	2	6	8	0	0	0	27.6	414,000
Anini-y	1			10	7.05	0	7.05	0	0	0	23.27	465,300
		Crops	Rice	10	7.05	0	7.05	0	0	0	23.27	465,300
Tobias Fornier	1			7	0	4.8	4.8	0	0	0	9.36	205,920
		Crops	Rice	7	0	4.8	4.8	0	0	0	9.36	205,920
San Jose	2			6	7.5	3.3	10.8	0	0	0	44.34	600,390
		Crops	Rice	1	0	3.3	3.3	0	0	0	7.59	159,390
		Crops	Corn	5	7.5	0	7.5	0	0	0	36.75	441,000
Sibalom	2			1,240	0	656.16	656.16	0	0	0	1,627.82	35,610,088
		Crops	Rice	1,224	0	649.19	649.19	0	0	0	1,607.62	35,367,706
		Crops	Corn	16	0	6.97	6.97	0	0	0	20.2	242,382
San Remegio	2			914	136	544	680	0	0	0	1,608.3	31,264,300
		Crops	Rice	784	91	494	585	0	0	0	1,452.1	27,589,900
		Crops	Corn	130	45	50	95	0	0	0	156.2	3,674,400
Barbaza	1			131	9.14	68.25	77.39	0	0	0	267.54	4,378,700

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
		Crops	Corn	131	9.14	68.25	77.39	0	0	0	267.54	4,378,700
Culasi	1			36	0	26	26	0	0	0	52	1,196,000
		Crops	Rice	36	0	26	26	0	0	0	52	1,196,000
Laua-an	1			472	0	101.37	101.37	0	0	0	177.41	3,902,937.5
		Crops	Rice	472	0	101.37	101.37	0	0	0	177.41	3,902,937.5
<b>CAPIZ</b>	<b>1</b>			<b>30</b>	<b>0</b>	<b>48.25</b>	<b>48.25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>135.1</b>	<b>2,702,000</b>
Dumangas	1			30	0	48.25	48.25	0	0	0	135.1	2,702,000
		Crops	Corn	30	0	48.25	48.25	0	0	0	135.1	2,702,000
<b>AKLAN</b>	<b>6</b>			<b>3,771</b>	<b>25.05</b>	<b>1,358.85</b>	<b>1,383.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,734.14</b>	<b>30,187,159.32</b>
Malinao	1			99	0	42.22	42.22	0	0	0	86.03	1,462,661.3
		Crops	Rice	99	0	42.22	42.22	0	0	0	86.03	1,462,661.3
Lezo	1			1,951	0	368.76	368.76	0	0	0	273.61	5,683,729.08
		Crops	Rice	1,951	0	368.76	368.76	0	0	0	273.61	5,683,729.08
Banga	1			246	0	162.61	162.61	0	0	0	243.91	4,390,470
		Crops	Rice	246	0	162.61	162.61	0	0	0	243.91	4,390,470
New Washington	1			80	23.98	6.98	30.96	0	0	0	89.63	1,644,726
		Crops	Rice	80	23.98	6.98	30.96	0	0	0	89.63	1,644,726
Altavas	1			1,140	0	685.95	685.95	0	0	0	865.81	13,852,897.6
		Crops	Rice	1,140	0	685.95	685.95	0	0	0	865.81	13,852,897.6
Madalag	1			255	1.07	92.33	93.4	0	0	0	175.15	3,152,675.34
		Crops	Rice	255	1.07	92.33	93.4	0	0	0	175.15	3,152,675.34
<b>REGION 9</b>	<b>1</b>			<b>22</b>	<b>7.22</b>	<b>15</b>	<b>22.22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>717,527</b>
<b>ZAMBOANGA DEL NORTE</b>	<b>1</b>			<b>22</b>	<b>7.22</b>	<b>15</b>	<b>22.22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>717,527</b>
Labason	1			22	7.22	15	22.22	0	0	0	0	717,527
Kipit		Crops	Rice	22	7.22	15	22.22	0	0	0	0	717,527

**DECLARATION OF STATE OF CALAMITY as of (March 07, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		TYPE	RESOLUTION NUMBER	RESOLUTION DATE	REMARKS
<b>GRAND TOTAL</b>	1				
<b>MIMAROPA</b>	1				
<b>ORIENTAL MINDORO</b>	1				
Bulalacao (San Pedro)	1				
		City/ Municipality	SB Resolution No. 24-02-053	26 February 2024	

**ASSISTANCE PROVIDED as of (March 07, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		SOURCE	QUANTITY	UNIT	TYPE	PARTICULARS	COST(PHP)
<b>GRAND TOTAL</b>	5						362,564,850
<b>MIMAROPA</b>	5						362,564,850
<b>OCCIDENTAL MINDORO</b>	1						94,268,350
No breakdown	1						94,268,350
		DA	18667	pax	Financial	Financial Assistance	94,268,350
<b>ORIENTAL MINDORO</b>	1						99,101,200
No breakdown	1						99,101,200
		DA	19624	pax	Financial	Financial Assistance	99,101,200
<b>MARINDUQUE</b>	1						18,523,500
No breakdown	1						18,523,500
		DA	3668	pax	Financial	Financial Assistance	18,523,500
<b>ROMBLON</b>	1						28,234,550
No breakdown	1						28,234,550
		DA	5591	pax	Financial	Financial Assistance	28,234,550
<b>PALAWAN</b>	1						122,437,250
No breakdown	1						122,437,250
		DA	24245	pax	Financial	Financial Assistance	122,437,250



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

## National Disaster Risk Reduction and Management Council

### El Niño (2023) ACTIONS TAKEN

#### National



#### National Disaster Risk Reduction and Management Operations Center (NDRRMOC)

- Facilitated the conduct of Mitigating Effects of El Niño Meeting on 24 April 2023, 2:00 PM at the 3F, OCD New Administration Building, Camp General Emilio Aguinaldo, Quezon City
- Issued Memorandum No. 026, s. 2023 dated 27 April 2023 re: Preparedness Measures and Effects of El Niño
- Conducted a series of National El Niño Team meetings with concerned agencies for the development of the National Action plan and implementation of mitigating efforts by all member agencies.
- Issued NDRRMC Memorandum Circular No. 5, s.2023 for the Creation of the National El Niño Team.
- Reactivated and reconstituted the Task Force El Niño under Executive Order No. 53.
- Convened the Task Force El Niño on 04 and 23 January 2024.
- Conducted a meeting on Strategic Communication for Task Force El Niño on 10 January 2024.
- Conducted series of Task Force El Niño Meetings.



#### DOST- Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

- Provided briefing re the Measures to assess and mitigate the effects of the Dry Season and Impending El Niño during the Mitigating Effects of El Niño Meeting on 24 April 2023.
- Continuous conduct of Monthly Climate Forum every 3rd Wednesday and issuance of Monthly Climate Assessment and Outlook.

#### Department of Agriculture (DA)

- Regularly disseminated advisories and agro-meteorological information through Municipal and City Agriculturists and Report Officers thru Facebook/Messenger.
- Monitoring of weather condition and actual ground situation.
- Validated the vulnerable areas and identification of interventions for farmers to be affected.
- Conducted consolidation and analysis of data such as planting and harvesting, source and status of irrigation systems.
- Conducted joint area assessment before the conduct of cloud seeding operations.
- Provided information to farmers on proper crop management during El Niño, including adjusting planting schedules and optimizing fertilizer use.
- Promoted drought-resistant crop varieties that are better adapted to the anticipated weather conditions during El Niño.
- Hybrid rice seeds and fertilizers have been distributed to non-vulnerable areas in Western Visayas for maximization of production to compensate for the losses.
- Issued advisories encouraging farmers to adopt synchronous planting to avoid the occurrence of pests and diseases due to delayed planting as well as using affected crops as forage to feed livestock.
- Conducted field validation of areas vulnerable to drought and dry spell, and positioning of interventions for farmers to be affected.
- Analyzed data on planting and harvesting (rice and corn), sources of irrigation systems (dams, SWIP, SSIPs), as well as status of irrigation facilities (operational, non-operational).

- Adopted drought-resistant crop varieties during El Niño.
- Conducted pest management on affected areas, in coordination with Regional Crop Protection Centers (RCPCs).
- The DA has crafted the El Nino Mitigation and Adaptation Plan 2023 and implemented program strategies such as conduct of preparatory activities, maximise and optimize production in non-threatened areas, save vulnerable areas through appropriate water management and other related interventions and rehabilitation of vulnerable areas that cannot be saved
- Issued Special Order No. 77 re Composition of the Department of Agriculture - National El-Niño Team (DA-NENT)
- Disseminated IEC Materials on the details of the El Niño and its preparatory measures.

The following are the interventions of the El Nino Mitigation and Adaptation Plan 2023

- Massive information and dissemination to create awareness on El Nino phenomenon focusing on water-saving technologies and importance of crop insurance
- In close coordination with the PAGASA, NDRRMC/OCD, NEDA, NIA and other concerned agencies
- Partnering with LGU and civil society on planning and program implementation
- Conduct of regional coordination/meetings/trainings and assessment
- Prepositioning of seed reserves, planting materials, drugs and biological pesticides
- Provision of seeds and planting materials
- Water management-conduct of cloud seeding operations, provisions of pumps and engine sets, fuel subsidy
- Provision of short gestation/drought tolerant seed varieties, planting materials, fertilizers, soil ameliorants, flower inducers, mulching film, pesticides/herbicides, drugs and biologics
- Provision of seeds and planting of materials, fertilizers and buffer seeds resources for livestock and forage

## **Department of the Interior and Local Government (DILG)**

- issued Memorandum Circular No 2023-065 re Mitigation and Preparedness Measures for the El Nino Phenomenon
- all LCEs are enjoined to take precautionary measures within their AOR through the ff:
- implement existing contingency plans related to El Nino Phenomenon
- coordinate with regional offices of NEDA for planning and aligning to be undertaken
- coordinate with concerned agencies that could help mitigate the effects of El Nino
- stockpile of F/NFIs for immediate assistance
- conduct massive IEC campaign
- disseminate and implement water conservation tips
- coordinate with respective DA regional offices for the recommended mitigating measures to address the effects of El Nino
- closely monitor and immediately report any manifestation of El Nino to NDRRMC
- Utilize the local DRRM Fund for the necessary expenditures
- Directed all DILG regional and provincial offices to disseminate Memorandum Circular No 2023-065

## **National Economic and Development Authority (NEDA)**

- Continuous attendance to the El Nino Meetings.
- Coordinated the preparation of NAP including the action plans for the various thematic areas of concern, taking into account the climate projections to determine priority interventions for specific regions/provinces.
- Coordinated the monitoring of the NAP implementation.
- Recommended actions for implementation at the regional/local levels to address emerging issues and concerns.

## **Department of Environment and Natural Resources (DENR)**

- Continuous attendance to the National El Nino Team Meetings.
- Reduced Non-Revenue Water through immediate leak repairs.
- Conducted Intensive Water Conversation Campaigns.
- Issuance of Order for Mandatory Reduction of water use in government agencies and Order to Water



Service Providers Nationwide to Implement Preparedness and Mitigating Measures.

- Conducted cloud seeding operations
- Operationalized standby deepwells.
- Implemented rotational water deliveries and monitoring by O&M personnel.

## **Department of Energy (DOE)**

- Continuous attendance to the National El Nino Team Meetings.
- Monitored the power situation, outlook, and actual demand.

## **Department of Health (DOH)**

- Continuous attendance to the National El Nino Team Meetings.
- Issued Department Circular No 2023-0183 re Health Facility Preparedness for Service Continuity for El Nino as a response to the Presidential Directive.
- Conducted a consultative meeting between FOSM, DPCB, EB, and HPB.
- Issued a directive on the monitoring of Health-Related Events and Health Facility Preparedness.
- Issued Department Circular No 2023-0223 re Reporting Process in the Monitoring of Health Facility Preparedness and Health Events due to El Nino re the formalization and operationalization of the reporting of health facility and El Nino related health events.
- The Epidemiology Bureau Event-based Surveillance and Response Unit monitored the El Nino-related Health Events.
- Monitored the Health Facilities utilizing the Health Facility Preparedness Tool to observe the facilities' water and power shortage/interruptions.

## **Region 1**

### **OCD Region 1**

- Continuous and redundant dissemination of weather bulletins and other warning information.
- Continuous monitoring of AOR and close coordination with Regional Disaster Risk Reduction and Management Council 1 (RDRRMC1) Member-Agencies and Local Disaster Risk Reduction and Management Offices (LDRRMOs).
- Disseminated RDRRMC Memorandum No. 29 and 30 s, 2023 re Submission of preparedness measures of RDRRMC Member-Agencies and LDRRMOs.
- Disseminated RDRRMC Memorandum No. 31 s, 2023 re Preparedness measures for El niño
- Prepared the stand-by resources

### **PNP**

- Monitor closely the warning and other advisories issued by DOST- PAGASA and stay updated on climate advisories.
- Personnel of Bagulin MPS under the supervision of PCPT LYNDON L PANG AG conducted monitoring on advisories issued by DOSTPAGASA and stay updated on climate advisories thru their online account.
- On May 13, 2023, personnel of Rosario Police Station, conducted coordination at MDRRMO office of Rosario re Preparedness Measures re El Niño Alert within AOR.
- On May 14, 2023, 08:51 AM SCAD PNCO of Badoc MPS under the supervision of PMAJ JOSEPH H TAYABAN, ACOP, conducted monitoring on advisories issued by DOST-PAGASA to stay updated on climate advisories in the municipality of Badoc.
- Social Media Handler of Mangaldan MPS under supervision of PLTCOL BENJAMIN E ZARATE, JR, COP conducted monitoring and sharing of post re Weather Forecast and Advisories of -DOST-PAGASA on official social media accounts.
- Mapandan MPS posted/shared the info graphics made by PAGASA re PAGASA raises El Niño
- Alert to official social media account. Likewise, conducted barangay visitation and conducted dialogue/lecture re El Niño Alert and advice the community to conserve water and energy.
- San Ildefonso MPS, under the direct supervision of PCPT ALBERTO B. RAMOS JR, Officer In-Charge,

followed the DOST-Philippines official Facebook page to closely monitor the warnings and other advisories issued by DOST-PAGASA in order to stay updated on climate advisories.

- Remind all to conserve water and energy as well as to fix or report water leaks.

- On May 13, 2023, at 8:42 AM, personnel of City of Batac Police Station under the direct supervision of PLTCOL ADRIAN L GAYUCHAN, Chief of Police conducted information dissemination to the Barangay Officials of Brgy. Tabug, Batac City, Ilocos Norte regarding the Preparedness measures and effect of El Nino and advised them to monitor and conserve water and energy as well as to fix or report water leaks.

- Personnel of Agoo MPS under the supervision of PMAJ ROMEL D CENTINO conducted dialogue to residents within area on how to conserve water and energy in preparation for and anticipation of the adverse effects of El Niño.

- On May 13, 2023, PCPT HIGARDO V SAPIERA, ACOP, Infanta MPS attended meeting with the Hon. Mayo Marvin M. Martinez, Allan Dela Cruz (LDRRMO) and Engr. Noel Calaunan Head officer of Infanta water District to anticipate the possible adverse effect of the El Nino.

- On May 14, 2023 PCMS Rhamses Pe Benito , Admin PNCO conducted information dissemination regarding preparedness measure re El Nino alert to all to conserve water and energy as well as to fix or report water leaks during the KWIM at Brgy Bidbiday led by PB Ronnie Del Rosario.

- POSTING OF EL NINO AND SAFETY TIPS

- SOCMED handler of Agno MPS Crafted Social

- Media cards by our social media handler regarding covid-19 safety tips, energy and water conservation tips, Heat Stroke warning signs and treatments and posted in our official social media accounts.

- SOCMED Handler of Alaminos City Police Station crafted/posted social media Cards on our Official FB Page re Safety tips on the adverse effect of El Niño.

- Strengthen risk communication and localize the warning and reminders to communities within respective areas of responsibility.

- On May 14, 2023, 07:20 AM personnel of Badoc MPS led by PMAJ JOSEPH H TAYABAN, ACOP, conducted dialogue with the constituents of Brgy. Garreta, Badoc, Ilocos Norte and remind them to conserve water and energy as well as to fix or report immediately water leaks to NWAD.

- On May 13, 2023, personnel of Naguilian MPS under the supervision of PMAJ NAPOLEON A LANGO, Officer In-Charge conducted intensified dissemination re Health Safety Tips re El Niño and conservation of the water resources to the commuters and Jitney Drivers held at Epic Mall, Brgy Ortiz, Naguilian, La Union.

- Personnel of SANTA MPS under the supervision of PCPT MARK BRYAN P CORPUZ, Officer In-Charge conducted public information dissemination regarding the warning and reminders to communities within respective areas regarding effects of the El Niño.

- Ensure adherence to the Public Health Advisory for El Niño and guidelines/ minimum health standards on COVID-19.

- On May 12, 2023, personnel of Naguilian MPS under the supervision of PMAJ NAPOLEON A LANGO, Officer In-Charge conducted coordination to MHO re measures on management to possible occurrence of El Niño disease related.

- PLT MANDO B TUBAÑA, Operation PCO, 1st PMFC, LUPPO conducted Police Information and Continuing Education and reiterated to all personnel the adherence on the Public Health Advisory for El-Niño and other guidelines and minimum health standard on COVID-19.

- On May 13, 2023, personnel of Adams Municipal Police Station under the supervision of PCPT ROGELINE O IBE, ACOP conducted dialogue to the populace of Adams, Ilocos Norte regarding the adverse effect of El Niño. Further, advise them to take safety reminders to prevent from dehydration and heat stress are drink more water. Likewise, urges the public to take precautionary measures to minimize the risks to their health and optimize water use for personal and home consumption.

## **DSWD FO1**

- DSWD Field Office 1 through the Disaster Response Management Division is continuously coordinating with the Province of Ilocos Norte and Tagudin, Ilocos Sur for the provision of immediate relief augmentation.

- Per coordination with the Provincial Government of Ilocos Norte, livelihood opportunities will be provided to affected farmers through the project, "Rehabilitation of the Bamboo Industry in Ilocos Norte". Likewise, the municipality of Tagudin, Ilocos Sur identified tree planting, clearing/declogging, dredging, repair of road canals, and communal gardening to mitigate the effects of El Niño benefiting the affected families through the provision of temporary employment.

- Received Cash-for-Work Program Project Proposal from Tagudin, Ilocos Sur for approval and endorsement to DSWD Central Office.

- Endorsed to the Disaster Response Management Bureau the Request for Cash-for-Work in the Province of Ilocos Norte.

## **DBM RO1**

- Active participation of the Office in the RDRRMC activities on climate change adaptation and disaster risk mitigation efforts of the Region;

- Designation of Energy Conservation Efficiency focal person responsible in monitoring the implementation of energy conservation policies of the Office (e.g use of air conditioning units, lights, and other energy-consuming equipment and devices);

- Provision of potable water stations in designated areas and maintenance of air conditioning systems to mitigate adverse impacts of heat waves that may affect the health conditions of employees and clientele;

- Regular monitoring of Office building structures and surroundings that may adversely affected by drought the designated Safety and Health Officers; and

- Strictly adherence/ compliance with El Niño Advisories issued by appropriate agencies.

## **PPA-PMO Northern Luzon**

### **PMO FACILITIES**

- Establishment of emergency hotline numbers to coordinate ill-effects/manifestations of El Niño to concerned agencies (include contact numbers of water concessionaires in case of water shortages)

- Provision of first aid kits containing medicines appropriate for illness related to the ill-effects of El Niño like heat exhaustion, diarrhea, elevated high blood pressure and etc.

- Regular cleaning, maintenance and repair of air conditioning units at PMO facilities

- Stocking adequate potable drinking water at PMO water stations and storing stock inventory of water bottles at appropriate storage space/s

- Inspection of buildings and facilities for possible water leaks from plumbing lines and other water sources

- Clearing of gutters and downspouts

- Utilization of vacant lots (pre-determined as not part of port development) to plant indigenous trees, ornamental and herbal plants or vegetables to increase carbon sink deposit at the port area

- Watering of plants early in the morning or late in the afternoon to minimize evaporation

- Using water efficient gadgets, such as high pressure, low-volume, hoses and showerheads, faucets with aerators and double-flush toilets.

- Supply of window blinds/curtains/tints on glass windows to reduce sunlight exposure.

- Minimize use of electrical lightings where natural light can penetrate

- Preparation of Water Shortage Contingency Plan
- Consider waste water collection (final rinse water when washing utensils) then reuse
- Maximize rainwater harvesting and storage.
- Preparing emergency tools and equipment for El Niño related emergencies such as shovels, clearing materials, tools and equipment and the like.
- Ensure functionality of generator sets with enough inventory supply of fuel.

#### **PMO PERSONNEL**

- Creation of a Committee on Disaster Risk Preparedness and for El Niño
- Conduct information, education and communication campaign relating to the ill-effects of El Niño
- Maintain physical hygiene and stay hydrated at all times
- Refrain from doing unnecessary strenuous activities especially when directly expose to sunlight
- Wearing of light clothing and bringing of sun protection like umbrellas, and caps, when necessary
- Using of sunglasses for employees who are on field and are exposed to direct sunlight.
- Taking vitamins and eating nutritious food to boost the immune system.
- Storing of leftover food on proper storages/refrigerators to avoid stomach related ailments
- Training on First Aid for heat wave related illness (heat exhaustion, heat stroke, cardiovascular disease, and kidney disease) for selected personnel
- Preparation of working schedules and personnel assignments in case of declaration of state of emergency.
- Regular breaks shall be incorporated into work periods to help avoid fatigue, which can affect health, safety and work performance this for El Niño season.
- Monitor status and impact of El Niño to aquatic and fisheries food sources which may cause health problems

#### **PMO VEHICLES**

- Regular maintenance and repair of services vehicles including the vehicle's air conditioning system (Make sure that service vehicles are road-worthy and in good condition)
- Provision of tint replacement for vehicles with faded tints to maximize the air conditioning system of the vehicle
- Provision of appropriate covered parking areas or ventilating places for PMO vehicles
- Services vehicles used by personnel for various transactions shall be properly synchronized for efficient routing of trips
- Switch off engines when vehicles are on stand-by/idle for long periods

#### **SRPC**

- SRPC, being the operator of SRHEPP, follows the Real Time Dispatch Schedule facilitated by SPDC at the WESM and the SO instructions during abnormal grid condition.
- SRPC, NIA, NPC, and NWRB are signatories of the San Roque Reservoir Operations Rule (SRROR), a document that dictates the manner of utilization of the Reservoir water.
- As per the provision of the SRROR, when the Reservoir Level is below the Upper Rule Curve, water release shall be limited to the IDR or Contracted Capacity, whichever is higher.
- Currently, our Reservoir elevation at 0600H today is 233.80 masl , 8.75 meters below Upper Rule Curve. The IDR requirement is less than the water requirement to deliver our Contracted Capacity. Therefore, the plant is being operated to deliver Contracted Capacity as per the limitation of dispatch by SPDC trading.
- This year's elevation is better than last year's, as far as it is going, with both years started at almost the same level.
- The Plant's Reservoir Level minimum operating requirement is 225 masl. The Reservoir level is projected not to reach that minimum operating level.
- SRPC takes this opportune time to conduct Maintenance of the Powerhouse equipment and Non-power components. This includes the allowable and approved Planned Plant Outage for the conduct of Power Tunnel Inspection. This is scheduled on May 28 to June 16, 2023.
- This Plant Outage coincides with the schedule of NIA when there is no IDR requirement.

#### **LTO**

- Conserve water and use it wisely.
- Repair any damage/broken roofs.
- Clean drainage all the time.
- Plant vegetables in your surroundings if necessary.
- Prepare emergency kit/emergency lights in case storm or floods will occur.
- Always be updated with the EL NIÑO news/information.

- Be aware or have knowledge on the evacuation sites near zone place in case of flood will occur.
- Prepare emergency food supply.
- Stay healthy always.
- Drink a lot of water everyday to combat dehydration. Water Refilling Station in the office should always be available.

## **DOH - CHD1**

- All EMTs shall be mobilized for internal and special external response needs. Those on off-duty shall be on standby mode once augmentation is needed for special missions and responses. Close coordination with Call Navigators shall be in place at all times.
- Emergency Operations Center shall operate 24/7 for all call navigation, internal at external.
- Call Navigators shall, initially, notify CHO, PDRRMC, or La Union Rescue 911, whichever is applicable, for inbound calls needing EMT deployment especially those outside the declared area of responsibility. They shall be vigilant and use quad-media monitoring for any mass casualty incident and other reportable incidents related to the effects of El Niño, by which, in these pressing and special circumstances, ITRMC EMTs shall act as reserves until resources of LGUs within the AOR of ITRMC, are exhausted.
- In case of power outage, generators shall be operated especially in critical areas of the hospital. An on-call duty in electrical department shall be contacted by the EMTs.
- DRRM-H in collaboration with Health Education Promotion Officer (HEPO) shall conduct lecture/orientation on water management strategies and heat-related emergency cases management to all ITRMC stakeholders and shall provide IEC materials at conspicuous areas of the hospital.
- Water Conservation Committee shall maintain adequate water supply through:
  1. Maintain safe drinking water for at least 72 hours in case of emergency, in addition to 3-day water reserve.
  2. Coordinate with private water service providers to ensure that early water reserve allocations are prioritized;
  3. Coordinate with maintenance-plumbing section for the repair and replacement leaking faucets and other potential sources of wastage, if necessary to ensure functionality and continuity of water distribution system.

## **CSC RO1**

- Making sure that the water source is clean. Storing drinking water enough for at least 3 days
- Conserving water
- Storing instant foods that can be prepared without using water
- Staying well hydrated
- Avoid sun exposure
- Installing emergency apps in mobile gadgets
- Importance of learning first aid treatment for heat wave related disease

## **ILOCOS NORTE**

### **PDRRMO Ilocos Norte**

- Intensify Water Conservation campaign;
- Protect water sources from contamination and destruction;
- Be alert and pay attention to latest update on shellfish ban;
- Improve water utilization in Agriculture Sector such as but not limited to water loss reduction, shift to drought tolerant crops, and efficient irrigation systems;
- Restrict the insignificant use of water such as lawns, swimming pools, Golf Course and recreation that need high water demand;
- Provide updated and timely information for vulnerable groups such as farmers and other stakeholders;
- Ensure availability of drinking water to residential areas heavily affected by El Niño;1
- Establish El Niño Task Force for proper monitoring, risk assessment and proper implementation of policies and guidelines;
- INTENSIFY the regular monitoring of the health condition of vulnerable groups; senior citizens, PWDs, pregnant women, children, those with comorbidities especially with the rising hot temperature. Let us make sure that our vulnerable groups are in safe and stable condition.
- Advise our kakailians to wear hats and umbrellas when going outside to protect them from the scorching heat and wear comfortable clothing.
- Advise our kakailians to drink plenty of water to avoid dehydration and heat stress and bring adequate supply when going to church, chapels, places of worship, among others.
- Medical/Health Team/s in your respective LGUs must ensure the availability of ambulances and medical

personnel for health emergency response that may cause by El Niño.

#### LDRRMO Bacarra

All are enjoined to actively participate in the conduct of El Niño preparedness and mitigation measures, such as:

- Encourage the wise use of water, which includes using brooms rather than hoses to clean driveways and sidewalks, repairing faulty faucets, washing automobiles with buckets or pails rather than hoses, watering plants using leftover or recycled water, and watering gardens during the coolest part of the day;
- Allow water concessionaires and water utilities to conduct emergency repair of leaks;
- Coordinate with the DOST for possible and available technology that could help mitigate the effects of El Niño in local agriculture and commerce;
- Stockpile relief goods (food and non-food items) for immediate relief assistance;
- Strict implementation on environmental laws and policies to decrease impacts on environment such as land or soil degradation due to loss of vegetation, increase in forest or peatland fires, poor air quality due to occurrences of smoke, haze and forest fires;
- Conduct massive Information, Education and Communication campaign in communities on the implementation of water conservation measures, maximizing rainwater harvesting and storage, get crop insurance and check advisories from agricultural experts.

#### Agriculture Sector mitigating measures:

- Implement rotational irrigation scheme and other water-saving technology such as Alternative Wetting and Drying (AWD), establishment of Small Farm Reservoirs (SFR);
- Utilize solar pump Irrigations;
- Adapt drought-resistant varieties and use alternate crops;
- Maximize and optimize the production in non-threatened areas by the provision of seeds and planting materials, fertilizers, soil ameliorants, flower inducers, mulching film pesticides, provision of pumps and engine sets, fuel subsidy;
- Save vulnerable areas through appropriate water management and other related interventions by conducting cloud seeding operations, shifting to other crops, provision of pumps and engine sets, fuel subsidy;
- Adjust the cropping calendar and pattern of planting in some areas;
- Close monitoring of livestock and domestic animals

#### Health Sector mitigating measures to control health related diseases due to extreme change of weather:

- Strengthening diseases surveillance and control activities;
- Intensify safe water, sanitation and hygiene programs and services;
- IEC on Healthy lifestyle and other health related information;
- Availability of emergency health supplies and vaccines;
- 24/7 Access to health care services;
- Regular monitoring on the health conditions of vulnerable groups: the elderly, persons with disabilities, children, and pregnant women.

Conduct cleaning, clearing and dredging of existing dams, SWIPs and other waterways.

- Enjoin the Bureau of Fire Protection to refrain from unnecessarily drawing water from fire hydrants, and limit the same only for firefighting purposes.
- Close monitoring of weather updates and conditions.
- Conduct Pre-Disaster Risk Assessment meeting and activate the Emergency Operations Center as needed to facilitate proper coordination among all stakeholders and other task forces.
- Utilize Local DRRM Fund for the necessary expenditures, and be guided by accounting and auditing rules and regulations.
- Closely monitor and immediately report any manifestation of El Niño to the Municipal Disaster Risk Reduction and Management Office.

## **ILOCOS SUR**

#### PDRRMO Ilocos Sur

- Ensure the readiness of the PDRRMO personnel
- SRR and Medical teams will be on standby at the Operations Center ready for deployment in case an emergency arises.
- Prepositioned SRR and Medical equipment and rescue vehicles for emergency purposes; Rescue vehicles and are daily maintained.
- Heat Index Monitored and Air temperature Monitoring issued by DOST-PAGASA is being disseminated to the C/MDRRMOs through text messages, and social media groups and is posted on PDRRMO Facebook account

- Constant monitoring of the current weather disturbance, to ensure prompt coordination with the concerned agencies and officers and for timely dissemination of warnings/advisories to the public.
- All C/MDRRMOs are advised to closely monitor their respective AOR.
- Established proper communication ahead of time for immediate response.

#### MDRRMO Sigay

- MDRRMC closely monitored any untoward incident,
- Placed Emergency Response Teams on standby,
- Coordination and constant communication with LDRRMCs and BDRRMCs thru GC and Facebook,
- Dissemination of timely disaster information of El Niño Alert,
- Placed Emergency Response Teams on standby,
- Ready emergency supplies and equipment.
- Conduct IEC on what to do and what not to do before, during and after El Niño Phenomenon
- Concerned BDRRMCs were advised to take necessary actions to increase El Niño awareness in their respective barangay.
- Prepare Drought Contingency Plan.

#### MDRRMO Sugpon

- Monitoring of warnings and other advisories issued by DOST-PAGASA, DENR-MGB, and other surveillance agencies,
- Activated Sugpon MDRRMC Emergency Operation Center during the course of the effects of El Niño,
- Prepositioned assets in strategic locations for possible response operations,
- Prepositioning of goods,
- Radio monitoring of EOCs of different barangays,
- Constant announcement of weather updates and warnings through the Paging System
- Monitoring of the Sugpon Weather Station through the Automated Rain Gauge, the Heat Index of the locality,
- Posting of advisories and results of rain gauge on the heat index at the Sugpon MDRRMC Facebook Page,
- Conducted roving in different barangays,
- Conducted meeting with the Expanded MDRRMC,
- Implementation of DRRM related ordinances,
- Continuous monitoring of BDRRMCs.

#### MDRRMO San Vicente

- Monitor closely the warning and other advisories and stay updated on climate advisories.
- Remind all the owner of fishnet to follow the ratio of fingerlings to the size of their fish nets.  
Malaga - 500 fingerlings : 5x5 fish net  
Tilapia - 800 fingerlings : 6x7 fish net  
Bangus - 500 fingerlings : 6x7 fish net
- Remind all farmers to check their water pumps/ water source before planting. Advise the farmers do not have water source to postpone their schedule in planting.
- Remind the whole populace to stay hydrated and avoid sugary drinks.
- Closely monitoring within AOR.

## **LA UNION**

#### PDRRMO La Union

- All PDRRMO personnel are requested to standby for possible mobilization.
- All equipment was checked and ready for deployment.
- Continuous incident monitoring in all 20 component LGUs in the province through 911 PSAP.

#### Provincial Health Office

- Information dissemination and conduct health education on the possible effects of El Niño
- Advised all Hospitals and RHUs for the close monitoring on the rise of heat-related disease conditions.

#### La Union Provincial Headquarters BFP

- Information dissemination on the possible effects of El Niño
- Advised all Local Fire Stations for the continuous monitoring of related incidents.

#### MDRRMO Bangar

- MDRRMO – Operations Center Activated.
- Monitoring weather bulletins and advisories.
- Information dissemination regarding the general weather thru social media posting.
- Issuance of advisories/ reminders on water and energy conservation.
- Strengthening of Risk Communication.
- Close coordination with other MDRRMC members/ agencies and BDRRMOs.
- Conducted inventory of resources.
- Close monitoring of AOR for any untoward incidents.

## **PANGASINAN**

### **MDRRMO Natividad**

- Conserve water and use it wisely.
- Repair any damage/broken roofs.
- Clean drainage all the time.
- Plant vegetables in your surroundings if necessary.
- Prepare emergency kit/emergency lights in case storm or floods will occur.
- Always be updated with the EL NIÑO news/information.
- Be aware or have knowledge on the evacuation sites near zone place in case of flood will occur.
- Prepare emergency food supply.
- Stay healthy always.
- Drink a lot of water everyday to combat dehydration. Water Refilling Station in the office should always be available.

### **MDRRMO Villasis**

- Coordinated with Municipal Agriculture Office and to adapt drought resistant and early maturing seed varieties. Adjust the cropping calendar and pattern of planting.
- Shifting to plant other crops and provision of pumps and engine sets. Submit Application of Farmers insurance to Crop Insurance to Philippine Crop Insurance Corporation.
- Coordinated to Bureau of Fire Protection to refrain from unnecessarily drawing water from fire hydrant and limits the same only for purposes of putting out fires.
- Coordinated with Villasis Water District-Prime Water Villasis to disseminate and implement water conservation tips to all concerned. Source Development and monitoring pump water level, check and repair of leaks in all water lines. Utilized the reservoir.
- Coordinated with Municipal Health Office to conduct Monthly Test and every six Month test to all water Refilling Station for safe water and sanitation services, and follow other mitigating measures to control the health consequences of the unusual drier conditions due to El Niño.

## **Region 2**

### **MDRRMC BAYOMBONG**

- Disseminated RDRRMC Memorandum number 26, series 2023 to all concerned offices;
- NV-EOC continuously coordinate to PAG-ASA Bayombong Substation regarding weather updates and advisories;
- NV-EOC continuously coordinates to MDRRMO and other member agencies;
- Continuously monitor road, lifelines, and weather in the province;
- Dissemination of weather updates, specifically spikes in temperature;
- Dissemination of water conservation tips;
- Continuous coordination to concern agencies for recommended mitigating measures to address the effects of El Niño.

### **PDRRMC ISABELA**

- Cascaded weather advisories, warnings and precautionary measures thru LED wall along Maharlika Hi-way and to all constituents down to the barangay level through social media;
- Constant/continuous monitoring of the following:
  - a. Weather updates from PAG-ASA



- b. Monitoring of Magat Dam status
- c. Monitoring of all flood-prone and landslide-prone areas
- d. Monitoring of status of roads and bridges
  - Prepared WASAR equipment and repositioned floating assets for possible augmentation;
  - Sent weather advisories and updates to all Local Chief Executives (LCEs) and C/MDRRMOs through Viber group and text message;
  - Continuous coordination with the different Barangay Officials and C/MDRRMOs;
  - Conducted operations briefing of DART Rescue 831 personnel.

## **CDRRMC ILAGAN CITY**

The City Disaster Risk Reduction and Management Council conducted deliberation on the identified risk and management

- Review of the Risk profile of The City of Ilagan and CBMS output of vulnerable groups, sectors.
- Standard Operating Procedures of the CDRRMC are reviewed. Additional inputs and feed backs regarding our SOP on:
  - a. System for Disaster Response  
(Activation of EOC, Operation Listo, reporting flow, activation of ICS)
  - b. System for Early Warning system  
(Core components, communication flow, community based EWS, public storm warning system, flood alert level warning system and its implementation at the community level and establishing EOC at the barangay leve.)
  - c. Evacuation Plan/ preemptive and forced evacuation system  
(Implementation of preemptive and forced evacuation, ativation and deactivation)
  - d. System for relief operation
  - e. System for peace and security during disaster
  - f. System for clearing operations  
(Guidelines on clearing operations, activation and deactivation)
  - g. System for registration and information guide for the evacuees and management of evacuation center (CCCM)  
(CCCM, vital facilities, inclusion of protocols for Covid 19)
  - h. System for providing psychosocial and medical support during disaster  
(Implementation of ordinance for providing community based mental health program and delivery system, health support from the CHOs)

## **MDRRMC ALICIA**

- To implement and update the public in existing contingency plans related to the el niño phenomenon; Stockpile relief goods (food and non-food items);
- Conduct massive information education and communication campaign on the monthly PAGASA climate advisory;
- Maximize rain shower harvesting and storage among others;
- Promotion of drought tolerant and early maturity crop varieties;
- Use of organic fertilizer to increase retention of soil moisture;
- Adjustment of planting calendar and crop shifting;
- Exploring possible other water collection and re-use;
- Provide off-season work if the crop will be seriously affected by drought;
- Provide training for first aid and heat wave related illness.
- Conduct preparedness meeting (Irrigation Association, Barangay Officials, Farmers Technicians);
- Distribution of Drought Resistance Rice Variety;
- Timing of cropping season.

## **MDRRMC DELFIN ALBANO**

- To conduct Pre-Disaster Risk Assessment (PDRA) for the possible effects of El Niño;
- Continuously monitoring of weather updates issued by the DOST-PAGASA;
- Continuously dissemination of Weather Bulletins/Warnings/Advisories issued by PAGASA, DILG and OCD;
- Continuously monitoring of water level status at Cagayan River Basin, Delfin Albano-Tumauini Bridge, San Antonio, Delfin Albano, Isabela;
- Conduct continuous monitoring of area of responsibility;
- Continuously recording of Weather data variables and EWS data using EWD's installed at AOR;
- Continuous dissemination of Information, Education and Communication (IEC) Campaign related to El Niño and its effects on human health, agriculture, water resources and environment;
- Continuous dissemination of "What to Do" during the El Niño;
- Stockpile relief goods (food and non-food items) for immediate relief assistance;
- Disseminate and implement water conservation tips;
- Coordination to other concerned agencies.

## **MDRRMC CABAGAN**

- Continuous information dissemination of warnings and vital information to the public through massive information drive in the AOR
- Cascade critical information on the health hazard and other negative effects of El Niño on agriculture and livelihood
- Inter-agency coordination with concerned departments and offices to facilitate the provision of services to affected population
- Facilitate planning and monitoring sessions with all members of the council and all Barangay DRRMC/O at the barangay level.

## **MDRRMC SAN PABLO**

- Meeting with the farmers' association and irrigation administration;
- Municipal DRRMC-Emergency Operations Center on "BLUE" alert status due to the possible effects of El Niño phenomenon;
- Inventory of resources of each agency/office with regards to the El Niño phenomenon response;
- Dissemination of advisories for El Niño phenomenon to the MDRRMC member agencies and Barangay DRRMCs;
- Conduct of stockpiling and repacking of food and non-food items;
- Updating of RDRRMC, PDRRMC, and MDRRMC directories;
- Information and education campaign to barangays especially farmers;
- Review of the planting calendar;
- Recommendation of planting crops that can withstand El Niño;
- Distribution of drought resistant variety of rice.

## **MDRRMC SAN GUILLERMO**

- Posting of IEC Materials through Social Media;
- Coordination with the MAO, RHU, BFP;
- Monitoring of Rain Water Collectors;
- IEC Material Distribution to barangays;
- Coordinated with the MLGOO.

## **MDRRMC JONES**

- Coordinated with the mdrrmc chairman on the preparations of the mdrrmc for the possible effect of el niño;
- Continuous monitoring of weather updates/advisories from dost-pagasa re el niño;
- Continuous dissemination to bdrmc's and all other organizations of weather updates re El Niño advisories from DOST-PAGASA thru social media and sms.

## **PDRRMC NUEVA VIZCAYA**

- Continuous coordination with MDRRMOs and other member agencies;
- Continuous monitoring of traffic and road status;
- Nueva Vizcaya Emergency Response Team and Philippine Red Cross Nueva Vizcaya with medics on standby 24/7;
- Rescue equipment including vehicles for land terrain and rubber boats are on standby;
- All communications and lifelines are intact and functional

## **MDRRMC SOLANO**

- LCE ordered memorandum no 31 series of 2023 with the subject Mitigation and Preparedness measures for El Niño dated May 02, 2023;
- Prepared logistics (relief goods – for immediate relief assistance and equipment;
- Continuous PAGASA weather updates;
- Continuous monitoring of AOR.
- Prior to the issuance of the aforesaid references, the MDRRM Council of Solano, during its First Quarter Regular Meeting held on March 30, 2023, deliberated among other agenda matters related to potential effects of the dry season such as drought, forest fire, grass fire, localized thunderstorms, heatwave, and other consequential health related issues;
- Preparedness measures of the municipality include enhancement of the utilization of available water resources, and alternative sources by farmers in case of water scarcity during the dry season;
- In the health sector, health personnel all over barangays are actively participating in the information drive to combat heat stroke and other el nino related caused health issues;
- The BFP has been consistently reminding all residents through its training and information programs on how to prevent the occurrence of fire incidents, and how the CFAG may augment implement it;
- The MDRRMO has been conducting pruning of tall trees and dead trees to prevent the occurrence of lightning-caused fire, and localized thunderstorms related incidents due to sudden wind burst;
- Monitoring of silted irrigation canals and continuous removal of obstructive debris and wastes to prevent clogging of water flow.

## **MDRRMC QUEZON**

- Coordination of partner agencies regarding roles and responsibilities in times of emergency (MAGRO, DSWD, DOH, DepEd, Private Groups);
- Conduct inventory of Resources;
  - 2.1. Budgetary Support
  - 2.2. Response Assets (Water Pumps, POL etc.)
  - 2.3. Manpower;
- Continuous monitoring of AOR.

## **MDRRMC ALFONSO CASTAÑEDA**

- Continuous monitoring of respective AORs;
- Continuous dissemination of weather updates and healthy safety tips about heat stroke from DOH Philippines through MDRRMO Alfonso Castañeda FB page;
- Monitor updates from PAGASA; and
- Submit respective disaster preparedness measures report to CVDRRMC Operations Center at email address: region2@ocd.gov.ph / ocdrc2@gmail.com.

## **MDRRMC AMBAGUIO**

- Issuance of Memorandum No.04 S. 2023;
- Disseminated advisory to all Punong Barangay;
- Ambaguio Rescue 10-4 on standby available status to cater emergency/incident situations;

- Continuous monitoring and disseminated of weather updates;
- Continuous monitoring and close coordination with BDRRMCs;
- Rescue equipment and supplies are prepositioned in case of emergency situation; and
- Maintained all communication/hotline of MDRRM OpCen and personnel open for inquiries.

## **MDRRMC STA. PRAXEDES**

- Continuous monitoring and dissemination of DOST-PAGASA Weather Updates to the BDRRMC, MDRRMC and to the general public via social media platforms and other mode of communications;
- MDRRMO/Task Force Sinag Responders in coordination with BFP Santa Praxedes on standby with necessary assets ready for deployment as needed;
- Distribution of IEC Materials re: Climate Change and Global Warming;
- Information Education Campaign in partnership with the BFP personnel on FIRE SAFETY TIPS to the different barangays;
- Continuous coordination to MDRRMC, BDRRMCs and other stakeholders Ensured all lines of communication and Emergency Hotlines open and available to public. Emergency hotlines posted to public places;
- Coordination to MENRO Designate for the enforcing of "NO BURN POLICY" within the AOR to avoid the incident of wild/grass fires;
- Coordination to MAO for close monitoring of any incidents of pest and diseases of animals and conducted vaccination, deworming and vitamins supplementation of animals;
- Coordination to MHO on health monitoring on the effects of EL NINO due to sudden change of temperature. Provided food supplementation against increase in malnutrition, and health campaign;
- IEC on Heatstroke and other possible health effects of EL NIÑO;
- IEC on water conservation esp. to drought prone barangays in our AOR.

## **MDRRMC ARITAO**

- Continuous monitoring of AOR;
- Monitor updates from PAG-ASA; and
- Dissemination of updates to the BLGUs.

## **MDRRMC STA FE**

- Disseminated RDRRMC Memo Order #26, s-2023 to all concerned;
- Close coordination with the Municipal Agriculture Office for (MAO) monitoring of agricultural activities in the AOR;
- Close coordination with the Santa Fe WATSAN system for monitoring of potable water supply;
- Purchase and distribution of water pump (5 units) to affected farmers;
- Advocacy on Climate smart Resiliency to farmers;
- Continuous monitoring of all barangays through BDRRMCs;
- Maintain all communication/hotline of MDRRM OpCen and Personnel for inquiries.

## **PDRRMC QUIRINO**

- Continuous monitoring of AOR;
- Continuous dissemination of weather updates/advisories;

## **MDRRMC AGLIPAY**

- Coordinate with Agriculture Office/Personnel;
- Disseminate Information to Barangay Officials;
- Encourage Farmers to Plant earlier than usual planting schedule, Plant early maturing varieties, Plant

Drought resistance varieties.

## **PIA Region 2**

- Conducted a webinar on Communicating Government's Adaptation and Mitigation Efforts on the Effects of the El Niño Phenomenon on 29 February 2024

## **AFP – 5th ID-PA (Joint Task Force TALA)**

- Prepositioned Humanitarian Assistance and Disaster Response (HADR) Teams to all provinces of Cagayan Valley Region;  
- Ensure functionality of communication and other response equipment.

## **MDRRMC ALCALA**

- Alcala Emergency Response Team (ALERT) and MDRRMO Staff on monitor;  
- Continuous monitoring of water level at Tupang Bangkero using the Water Level Monitoring System;  
- Close Coordination with PNP, BFP, and other rescue group and volunteers;  
- Close coordination with Barangay Disaster Risk Reduction and Management Committee;  
- Continuous information dissemination.

## **MDRRMC GATTARAN**

- Continuous monitoring of weather updates from PAGASA;  
- Close coordination with BDRRMC and other concerned agencies.

## **MDRRMC PAMPLONA**

- Close monitoring and dissemination of weather advisories and bulletins to the public  
- Continuous monitoring of weather updates thru DOST PAG-ASA;  
- Continuous monitoring and information dissemination of weather updates and bulletins;  
- Coordination with all partner agencies and BDRRMCs;  
- Continuous monitoring of low-lying barangays within their AOR;  
- Manpower and assets on standby.

## **MDRRMC PEÑBLANCA**

- EOC Activated;  
- Continuous Weather Update Dissemination to BDRRMCs for proper AOR monitoring and reporting to MDRRMC thru MDRRMO;  
- Close Coordination with MSWDO, PBs, PNP, BFP and 77th IB;  
- Response Team - Rescue 24 on standby;  
- Submission of SitRep and Monitoring report to DILG, PDRRMC and OCD.

## **MDRRMC EHCAGUE**

- Continuous monitoring of weather updates;  
- Continuous IEC through social media MDRRMO ECHAGUE RESCUE Facebook page.  
- Maintained all communication/Hotline of Echague Rescue for inquiries and for all emergency assistance;

## **MDRRMC TUMAUNI**

- Maintained all communication/Hotline of Resuce 811 command center open for inquiries regarding emergency assistance;
- 24-hour Emergency Operations Center;
- Continuous monitoring of weather updates from PAGASA

## **MDRRMC BAMBANG**

- On continuous monitoring on weather updates;
- Information Dissemination to all Barangay Officials;
- Coordination to different concern agencies;
- Send daily Situational Report;
- Posting of weather updates thru Social Media Platforms.

## **MDRRMC BALLESTEROS**

- Continuous Monitoring on weather update and Water Levels;
- Close Coordination with BDRRMCs and MLGOO;
- Situational report via social media.

## **DHSUD**

- Advocate/disseminate safe shelter and settlements messaging/advisories around likely hazards;
- Retrofit and protect public infrastructure, buildings, housing, shelters and household items against floods and other weather-related events;
- Map common building typologies and materials in the shelter and settlements sector to inform possible intervention options and strategies, as well as to understand potential environmental impacts of these;
- Assess or review the impact of previous or potential ENSO events on shelter and settlements and develop scenario for the anticipated event;
- Engage regional-level private sector networks (where they exist) to exchange information on capacities for disaster risk reduction and mitigation, business readiness and response capacities;
- Review of existing housing, land and property issues, legislations, etc., in anticipation of possible displacement;
- Implement DRR activities focusing on settlement – e.g., site selection, elevating houses and assets (for floods);
- Determine appropriateness of cash interventions and coordinate with other cluster members on the needed emergency cash transfers (ECTs)
- Implement participatory approach to safe shelter awareness activities.

## **DA RO2**

- Continuously coordinating with Research Center/Experiment Stations and Provincial Local Government Units for the submission of damage and losses on agricultural crops for validation.
- Continuous monitoring and coordination with PAGASA re: Climate Forecast;
- Conduct Regional Coordination/Meetings/Trainings/Assessment and, massive information dissemination, education and communication drive;
- Prepositioning of seeds reserves, planting materials, drugs & biologics and pesticides and inventory and prepositioning of pump and engines;
- Save vulnerable areas through appropriate water management and other related interventions;
- Maximizing and optimizing production in non-threatened areas:
- Rehabilitation of affected areas (through provision of agricultural inputs, and replacement of animal casualties/ stock infusion).

## **NIA**

- Adopt Rotational Water Distribution and Alternate Wetting and

- Drying (AWD);
- Adopt Diversified Cropping;
  - Massive dissemination to IAs to adopt/ plant Short-Growing;
  - Varieties and strict implementation of water delivery and distribution schedule;
  - Augmentation of water pumps and installation of Solar-Powered Irrigation Pumps;
  - Repair of irrigation canals.

## **PAGASA NLPRSD**

- Disseminates Tropical Cyclone Bulletins, advisories and other relevant information to CVDRRMC, PDRRMCs, Media and other stakeholders;

## **DILG**

- Activated DILG Regional/Provincial Emergency Operations Center and Disaster Online Reporting and Monitoring System;
- Coordinated with DILG Provincial Offices for the submission of Situational Reports from LDRRMOs;
- Continuously inform and advise all communities, use of social media platforms for public information is highly encouraged;

## **DOH**

- DRRM H Operations Center (OpCen) is on 24/7 Operations;
- Active monitoring of health advisories thru quad-media 24/7;
- 24/7 Operations of Provincial and Regional ONELINE Command Call Center;
- Continuous posting and information dissemination of Disaster-related Preparedness and Response in all media platforms.

## **BFP**

- Attended Pre-Disaster Risk Assessment conducted by OCD;
- Activation of the EOC;
- Inventory of Rescue and Emergency Medical Services equipment for possible deployment to strategic areas;
- Continuous coordination of all BFP units;
- Conduct of intensive awareness campaign on fire safety prevention at home and workplace through quad media;
- Strict implementation of pre-fire planning and ocular inspections of public places such as bus terminals, parts, and other places of assembly during the season.
- Conducted kickoff activity for the Fire Prevention Month on 5 March 2024 to spread awareness and fostering a culture of proactive fire prevention and emergency preparedness during this dry spell season.

## **PDRRMC Batanes**

- Continuous monitoring of AOR;
- Continuous dissemination of weather updates/advisories

## **MDRRMC ITBAYAT**

- All reservoir and water tanks for domestic and livestock use are being repaired/cleaned.
- The LGU constructed additional tanks at sources to hold water for use during peak hour as well as mini dams;
- Development of deep wells are on-going. Those located at Sitio Malapipi and Sitio Kalagwakan are already

- completed and now ready for operation anytime while the project at Libtong is on-going;
- Clean-up drive along creeks were undertaken. These creeks are possible source for domestic water supply and for livestock use;
- Available resources to augment water rationing specially at the upper portion of Poblacion.
  - a. Standby water pumps
  - b. Portable water tanks in every barangay
  - c. trucks

## **PDRRMC CAGAYAN**

- PDDRMO EOC on 24/7 monitoring of the weather advisories and bulletins;
- Close monitoring and dissemination of weather advisories and bulletins to the public through the Cagayan Provincial Information Office (CPIO) TeleRadyo and other social media platforms;
- Close coordination with local C/MDRRMO/Cs in their respective AOR;
- Continuous monitoring of flood and landslide prone areas in AOR and shall enforce pre-emptive evacuation as situation warrants;
- Prepositioned rescue equipment and personnel.

## **CDRRMC TUGUEGARAO**

- Continuous monitoring and dissemination of DOST-PAGASA Weather Updates to the BDRRMC, CDRRMC and to the general public via social media platforms and other modes of communication;
- CDRRMO on standby with assets ready for deployment in close coordination with the City Bureau of Fire Protection as situation warrants;
- Continuous information dissemination on the possible effects of El Niño by the City Health Office;
- Coordination with CENRO for the strict enforcement of "NO BURN POLICY" within the aor to avoid any incidents of fire;
- Conducted massive information and education campaign especially to local farmers on the impacts of El Niño phenomenon in agricultural and livestock;
- Coordination with the City Agriculture Office to discuss possible effects and anticipatory actions during El Niño phenomenon to crops and farmers with the following:
  1. Adjustment of planting period to avoid loss and wastage
  2. Preparation of agricultural land while harvest period is in going
  3. Distribution of corn and rice seedlings to farmers while drying of produce is on going
- 24/7 City Command Center and RESCUE 1111.

## **MDRRMC ABULUG**

- Continuous monitoring and dissemination of El Niño advisories issued by DOST-PAGASA to the MDRRMC members and BDRRMC through social media;
- Massive information dissemination across locations will also be undertaken via social media platforms and other mode of communications;
  - Assets and response equipment on standby;
  - Continuous coordination with partner agencies;
  - Ocular waste level monitoring to river, creeks and other wasteyards;
  - Advised farmers to get crop insurance;
  - Stockpile of relief goods (food and non-food items) for immediate relief assistance;
  - Disseminate and implement water conservation to public through IEC materials to address the impact of El Niño to constituents;
  - Coordinate with MAO, for any recommendations on mitigating measures on the possible impact of El Niño to public health;
  - Utilize MDRRM fund for necessary expenditures;
  - Closely monitor and immediately report any manifestations of El Niño to proper authorities or to LDRRM Council.

## **MDRRMC ALLACAPAN**



- Continuous dissemination of DOST-PAGASA El Niño advisories and Updates to BDRRMC, MDRRMC and General Public;
- MDRRMO/Rescue 2285 on standby with necessary assets ready for deployment as needed;
- Distribution of IEC Materials re: Climate Change and Global Warming;
- Continuous coordination to MDRRMC and BDRRMCs; Ensured all lines of communication and Emergency Hotlines open and available to public;
- Coordination to MENRO for the enforcing of "NO BURN POLICY" within the AOR to avoid the incident of wild/grass fires;
- Tree nurturing activities to the designated planting sites of MDRRMO/Rescue 2285;
- IEC on Heatstroke and other possible health effects of EL NIÑO;
- Massive Information and Education Campaign (IEC) on EL NIÑO phenomenon awareness and impacts to agriculture;
- Water management (Alternate wetting and drying on irrigated areas);
- Adjustment of Planting Calendar to avoid dry spell months.

## **OCD RO2/Cagayan Valley RDRRMOC**

- Continuous monitoring of the regional situation;
- Continuous dissemination of weather updates/advisories to Cagayan Valley RDRRMOC member-agencies, P/C/MDRRMCs, Media and other stakeholders thru SMS, viber, social media and Text blast system;
- Close coordination with P/C/MDRRMOs in the Region;
- Continuous monitoring of the major river systems in the Region and its tributaries to include the water sources from the Sierra Madre Mountains, Cordillera Mountains and others;
- Checked and ensured that backup communication system of OCD/CVDRRMOC are operational.
- Created the Cagayan Valley Regional El Niño Team through the Resolution No. 3 Series of 2023 which was approved on 21 December 2023.
- Conducted El Niño Action Plan Writeshop on 30 January 2024. The proposed Action Plan will be approved during the 1st Quarter CVDRRMOC Council Meeting on 26 March 2024.

## **MDRRMC ENRILE**

- Information dissemination of weather update through official Facebook Page/GC;

## **MDRRMC PIAT**

- Information dissemination of weather update through official Facebook Page;
- Coordination with partner agencies (MDRRMC);
- Close coordination with our BDRRMC -MDRRMO Personnel on Standby;
- Continuously monitor the track of the tropical depression.

## **MDRRMC APARRI**

- Continuous monitoring and dissemination of DOST PAG-ASA weather Updates to the BDRRMC, MDRRMC and to the general public via social media platforms and other mode of communication;
- IEC on Fire Prevention and Fire Safety;
- Identification of other source of water supply during firefighting operation and installation of pump if possible;
- IEC on health-related concerns with possible effect of EL NIÑO;
- Coordination with MENRO for the enforcing and strict implementation of "NO BURN POLICY" under the RA 8749 and RA 9003;
- Continuous coordination with the MDRRMCs and monitoring for updates;
- Introduction of drought tolerant varieties and short maturing variety crop;
- MDRRMO/Rescue 511 on standby with necessary assets ready for deployment as needed;
- Distribution of IEC materials re: EL NIÑO.

## **MDRRMC BALLESTEROS**

- Continuous Monitoring on weather update and Water Levels;
- Close Coordination with BDRRMCs and MLGOO;
- Situational report via social media.

## **MDRRMC CLAVERIA**

- Continuous monitoring of weather updates thru DOST PAG-ASA;
- Coordinated with concerned agencies and BDRRMCs regarding their situation and monitoring;
- Continuous dissemination of warnings, safety tips, public advisories regarding El Niño;
- Conducted meeting for Dry Season at OpCen 24/7;
- Discussed El Niño updates.

## **MDRRMC BUGUEY**

- Continuous monitoring and dissemination of DOST-PAGASA Weather Updates to the BDRRMC, MDRRMC and to the general public via social media platforms and other mode of communications like text and chat brigade to BDRRMC group chat;
- Coordinate to Municipal Health Office for IEC to all barangays on Heat Stroke and other possible health effects of El Niño;
- Provision and dissemination of laymanized IEC materials re: Climate Change and Global Warming;
- Coordination with the Buguey Water Works in information dissemination in regards to water conservation and water supply depletion;
- Coordination with the MENRO for the conduct of Tree planting activity and for the enforcing of “NO BURN POLICY” within the AOR to avoid the incident of wild/grass fires and ensuring that the tree nurturing activities are implemented to the designated planting sites;
- Availability of Rain Water Collector Facility in all schools within the municipality;
- Provisions of EWS to communities in effective preparation and responding;
- Introduction of drought tolerant varieties/short season crop;
- Water management (Alternate Wetting and Drying on irrigated areas);
- Adjustment of Planting Calendar.

## **MDRRMC SANCHEZ MIRA**

- Continuous Weather Update Dissemination to BDRRMCs for proper AOR monitoring and reporting to MDRRMO;
- Continuous weather monitoring;
- Continuous water level monitoring - Emergency Response Teams (ERTs) such as WASAR, MOSAR, SAR and SRR Teams on standby 24/7;
- EOC on active status.

## **MDRRMC RIZAL**

- Continuous monitoring and dissemination of DOST-PAGASA Weather Updates to the BDRRMC, MDRRMC and to the general public via social media platforms and other mode of communications;
- Utilize the Local DRRM Fund for the necessary expenditures, and be guided by current accounting and auditing rules and regulations;
- MDRRMO/Rescue 429 on standby with necessary assets ready for deployment as needed e.g. Fire Truck, Water Purifiers, Water Containers, etc;
- Distribution of IEC Materials re: Climate Change and Global Warming;
- Continuous coordination to MDRRMC and BDRRMCs;
- Enjoin the Bureau of Fire Protection to refrain from unnecessarily drawing water from the hydrants, and limit the same only for purposes of putting out fires;
- Enforcing of “NO BURN POLICY” within the AOR to avoid the incident of wild/grass fires;
- Tree nurturing activities to the designated planting sites of MDRRMO/Rescue 429;
- IEC on Heatstroke and other possible health effects of EL NIÑO;

- IEC on water conservation within AOR.

## **MDRRMC IGUIG**

Continuous dissemination and monitoring of PAG-ASA Weather updates to the BDRRMC and MDRRMC through text and messenger;

- Continuous coordination to MDRRMC and BDRRMC;
- Coordination to MENRO for the enforcing of “NO BURN POLICY” within the AOR to avoid the incident of grassfires;
- IEC on possible health effects of EL NIÑO;
- IEC on water conservation especially to drought prone barangays within the AOR;
- Early harvesting of stocks;
- Alternate source of potable water;
- Use of drought tolerant variety;
- Practice alternate wetting and drying;
- Adjustment of plant calendar year.

## **MDRRMC LASAM**

- Maintain all communications and emergency hotline numbers open and radio communication functional and available for public inquiries and disaster-emergency assistance;
- Conduct water level monitoring at all major water resources;
- Emergency Response Team are on standby for possible mobilization within area of responsibility;
- Preparation and inventory of logistics needs;
- Close coordination with all MDRRMC members and BDRRMCs in the municipality to take actions to mitigate the effects of El Nino;
- Coordinate with concerned agencies and BDRRMCs regarding their situation and monitoring;
- Continuous monitoring of the effects brought by El Niño within AOR;
- Coordinate with Municipal Agriculture Office to conduct initial assessment on possible affected areas within AOR, if necessary;
- Provide financial assistance to affected farmers, if necessary;
- Conduct inspection to various barangays and coordinate with concerned departments regarding the effects of El Niño;
- Ensure adequate supply of potable water within AOR;
- Provision of potable water supply through the Portable Water Purifier, if necessary;
- Coordinate to BFP Lasam to conduct water rationing, if necessary;
- Conduct field visitations to rice fields;
- Map areas vulnerable to drought;
- Conduct Information, Education and Communication (IEC) campaign regarding the effects of El Niño;
- IEC through social media, forums and meetings.
- Coordination to MSWDO for the distribution of Food Packs for affected farmers, if necessary;
- Dissemination and implementation of water conservation tips to all concerned communities, offices and agencies;
- Advise farmers to get crop insurance and check advisories from the Municipal Agriculture Office.

## **MDRRMC STO NIÑO**

- Close coordination to Bureau of Fire Protection;
- Close monitoring and dissemination of DOST-PAGASA Weather Update to BDRRMC, MDRRMC and to the general public;
- IEC of Heatstroke and other possible health effects;
- Coordination to MENRO of “NO BURN POLICY” to avoid incident of wild grass fire;
- Tree nurturing activities to the designated planting sites within AOR;
- Conduct massive information and education drive to create awareness on phenomenon and its impact on agriculture and fisheries sector;
- Action Viente Cuatro Oras (AVCO) on standby.

## **MDRRMC SOLANA**

- Coordinated with the Municipal Agricultural office to discuss the possible effects and actions to undertake during EL NIÑO Phenomenon to crops and Farmers;
- Information dissemination on occurrence of El Niño Phenomenon;
- Introduction of drought tolerant varieties/ short season crop;
- Water Management (Alternate Wetting and Drying on irrigated areas);
- Adjustment of Planting Calendar to avoid dry spell;
- Coordinated with the Municipal Health Office to discuss Health related effects of El Niño;
- Information dissemination and lectures regarding El Niño;
- Discussed the importance of drinking plenty of fluids;
- Vector- and rodent-borne diseases, such as malaria, dengue, chikungunya, zika, leptospirosis, Food- and water-borne diseases, heat exhaustion, stroke among many others;
- The MDRRMO and Rescue 38 are also on standby for possible incident that may occur in connection with these extreme temperatures such as drowning incidents.

## **Region 3**

### **OCD3**

- Issued RDRRMC3 Memorandum No. 27, s. 2023 dated 28 April 2023 with subject: Preparedness Measures and Effects of El Niño
- Facilitated the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Attended the El Niño/Weather Update via Zoom on 03 May 2023
- Closely monitored weather conditions in all seven (7) provinces and two (2) HUCs in Central Luzon

### **DOST3**

- Presided the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023

### **DILG3**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023

### **PAGASA-PRFFWC**

- Presented the Water Concern ICOW El Niño during the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting
- Disseminated El Niño Advisories and any related bulletins/information to the public via social media

### **BFP 3**

- Issued Memorandum re Preparedness Measures for possible El Niño effects and hereby directed P/C/M fire Marshalls to closely monitor their respective AORs and implement the following measures to wit:
  - Maintain close coordination with LGUs and Local Water Utilities/ Water Concessionaires within their AORs
  - Conduct inventory and identify available and/ or alternative water sources
  - Refrain from unnecessary drawing of water from fire hydrants and limit the same only for purposes of fire suppression
  - Allow water concessionaires and water utilities for free use of fire trucks for tinkering operations of households that will be affected of El Niño
  - Ensure that fire trucks are in full water capacity and has no leaks
  - Implement water conservation action in offices and fire stations
  - Submit deployment plan and After Activity Reports for all activities related to El Niño
  - Review and evaluate existing Running Card System and modify if necessary
  - Updating to fire prone areas in response to the possible effects of El Niño
  - Increase IEC activities to promote fire prevention activities to reduce the risk of grass fire, forest fire, and

## **AURORA PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **BATAAN PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **BULACAN PDRRMC**

### **BULACAN PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

### **BALIWAG CDRRMC**

- Activated 24/7 Operation Center and pre-positioned personnel
- Coordinated with different agencies such as MLGOO, PNP, BFP, MAO, DOST-PAGASA, NPC, MHO, Local Water Supplier, Power Supplier, and Barangay DRRM Councils.
- Conducted continuous monitoring of Dam Level and Water Supply
- Conducted continuous monitoring of Agriculture and Livestock situation
- Disseminated information to all stakeholders down to the Barangay level
- Continuously monitored any untoward incidents within AOR.

## **NUEVA ECIJA PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **PAMPANGA PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **TARLAC PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **ZAMBALES PDRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **ANGELES CITY DRRMO**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

## **OLONGAPO CITY DRRMO**

### **OLONGAPO CITY DRRMC**

- Attended the RDRRMC3 Disaster Prevention and Mitigation Thematic Pillar Meeting on 02 May 2023
- Continuously monitored situation within the AOR

# CALABARZON

## OCD CALABARZON

- Convened the Regional El Niño Team for its 1st Meeting held last 20 November 2023 wherein NDRRMC Memo No. 28 s. 2023 dated May 3, 2023 was cascaded to RDRRMC member-agencies and Local Government Units.
- Conducted 2nd Regional El Niño Team Meeting last 18 December 2023 wherein DOST-PAGASA provided updates on the El Niño outlook, NEDA CALABARZON presented the salient features of the National Action Plan for El Niño and discussed ways forward on the alignment and complementation of said plan in the regional level. DILG CALABARZON shared also the LGUs compliance to DILG Memorandum.
- Initiated the 1st RDRRMC CALABARZON Coordination Meeting re El Niño last 19 May 2023 wherein DOST-PAGASA apprised the member-agencies and CALABARZON LDRRMCs on the latest El Niño update and concerned agencies per key sectors presented their updates and actions taken. DILG IV-A presented the NDRRMC Memorandum Circular No. 2023-065 followed by the presentation of the sectoral leads particularly the food, water, public safety and health sector. PIA CALABARZON apprised also the committee on the efforts undertaken by the strategic communications unit
- Cascaded the NDRRMC Memorandum Circular No. 5 s. 2023 through the released of RDRRMC Memorandum No. 182 5. 2023 with Subject: Organization/Reconstitution of Local El Niño Teams of which requiring LAs and LGUs to submit their El Niño preparedness measures and actions undertaken and reiterating of the BLUE Alert status of RDRRMIC CALABARZON EOC relative to El Niño.
- Continuous dissemination of Heat Index Report and IEC related to El Niño and monitoring of possible impacts and effects of El Niño in the region
- Convening of Regional El Niño TWG to discuss crafting of Regional El Niño Action Plan to be spearheaded by NEDA IV-A

## DOH CALABARZON

- Established inventory of the capacity of water storage of health facilities and initiated partnership with local water districts and the Bureau of Fire Protection
- Identification of gaps and weaknesses as to the health related effects of El Niño.
- Initiated and released Health Promotion Activities through Health Advisories & varied Instructional Education Campaign Materials (IECs) through utilizing authorized and available social media platform by CHD CaLaBaRZon (Health Promotion Unit Facebook page)
- Continuous surveillance activities of health-related incidents
- Establishment of network with private partners / partnership with water testing facilities.
- Procurement/purchase and pre-positioning of WASH commodities
- Issuance of Department Memorandum on monitoring the readiness of Health Facilities in relation to El Niño Phenomenon.
- Established partnership with local water districts and other possible private partners.
- Conducted Health Emergency Response Operation training
- Mainstreaming of Hospital Safe from Disaster followed by monitoring and evaluation
- Orientation on green and safe health facilities manual

## DA CALABARZON

- Submission of bi-monthly situationer report for El Niño to include timely submission of standing crops, planting and harvesting reports.
- Constant coordination with PLGU and MLGU regarding current agricultural state of municipalities
- Pre-positioning of bufferstocks
- Distributed 42,606 bags at 40 kilos of DS inbred seed as of 19 January 2024
- Distributed 4,596 hybrid seed, area planted as of 19 January 2024
- Generated fertilizer discount voucher for 44,770 farmers with claimed amount of 177,394,680.00 as of 22 January 2024
- Adaptation and mitigation: Delivered 281,537 packs of biofertilizer and 23,628 bags of soil ameliorants
- Training, promotion and implementation of Alternate Wetting and Drying (AWD) covering 239 hectares and rotational water delivery (1,811 ha).

- Conduct of Climate Forum initiated by DA-Adaptation and Mitigation Initiative in Agriculture (AMIA).

## **BFP CALABARZON**

- Intensification of Fire Prevention programs and activities in coordination with the LGUs and other agencies;
- Initiated fire safety inspections in all types of occupancies and fire prevention and safety seminars to the identified fire-prone areas
- Conducted Oplan Ligtas na Pamayanan (OLP) with awareness of the possible effects of El Nino;
- Distribution of household fire safety tips
- Information dissemination about El Nino
- Removal of fire hazard conditions and;
- Participation in the clearing operations of DENR in forested areas
- Searching and identification of alternative sources of water supplies readily available for firefighting units that can be utilized in the event of conflagration
- Training of fire brigades to serve as first responders and;
- Introduction of traditional method of combating fire such as, but not limited to bucket relay, elimination of fuel, and other suppression techniques that each operating unit has developed
- Daily fire truck visibility, water rationing and tree planting
- Ongoing preparation and submission of contingency plans for El Nino in the provincial and station levels and;
- Submission of weekly progress report/update

## **PIA CALABARZON**

PIA CALABARZON

## **PDRRMC CAVITE**

PDRRMC CAVITE

- Crafted Cavite Provincial El Nino Action Plan containing consolidated preparedness measures, and response actions of various PDRRMC member-agencies
- Organized Provincial El Nino Task Force to oversee implementation and monitoring of various policies, programs and activities relative to El Nino

MDRRMC AMADEO

- o Convene LDRRMC and review all contingency plans related to public safety, health emergency and natural hazards.
- o Conduct Pre-Disaster Risk Assessment
- o Collaborate with Public Information office for the dissemination of precautionary measures and safety tips
- o Monitor latest weather bulletin to be issued by DOST-PAGASA and the local television and/or radio stations
- o Social Media Posting about EL Niño
- o Coordinate with grocery stores and drug stores for stockpile
- o Coordinate with barangay officials for the information dissemination to every barangay
- o Encourage farmers to plant heat resistant crops
- o Conduct of river rehabilitation
- o Coordinate with concerned agencies regarding El Niño
- o Provision of water storages
- o Provision of additional water irrigation system
- o Maintenance of existing water irrigation system
- o Strict implementation of fire and building code

CDRRMC CARMONA

- o Issued Executive Order No. 54 s. 2023 An Order creating the El Nino Committee of the Municipal Government of Carmona who will be responsible to take precautionary measures within the AOR to mitigate and prepare for the ongoing and potential adverse effects of El Nino.
- o

## **CDRRMC DASMARINAS**

o Issued Executive Order No. 001-S-2024- An Order organizing the Local El Nino Team of the City of Dasmaringas who will be responsible to closely monitor, disseminate, and implement measures to mitigate the impact of El Nino phenomenon

## **MDRRMC GMA**

- o Issued Executive Order No. 101 s. 2023 An Order constituting the Local El Nino Task Force of the Municipality of General Mariano Alvarez
- o Procurement of stock pile for food and non-food items
- o Procurement of related medicine in preparation to the effects of El Niño in accordance to MHO's Plan for action.
- o Requested Contingency Plan from Local Water District re El Niño Plan for action.
- o Continuous monitoring of weather bulletin issuances from DOST-PAGASA by GMA Operations Center.
- o Conducted IEC campaign about El Niño Phenomena.

## **MDRRMC NAIC**

o Issued Executive Order No. 50 s. 2023 An Order creating the Naic El Nino Team/Task Force for the purpose of developing, implementing and enforcing plans and policies which may effective to prevent, or effectively address the deleterious effects which may be brought about by El Nino

## **CDRRMC TAGAYTAY**

- o Issued Executive Order No. 455 An Order creating the Naic El Nino Team/Task Force for the purpose of developing, implementing and enforcing plans and policies which may effective to prevent, or effectively address the deleterious effects which may be brought about by El Nino
- o Crafted El Nino Action Plan which serves as a detailed work plan for the council to address impacts associated to the said phenomena and facilitates timely implementation of necessary responses

## **MDRRMC TERNATE**

- o Issued Executive Order No. 05 s. 2023 An Executive Order creating the Municipal El Nino Team
- o Developed El Nino action plan containing consolidated government's actions to mitigate the effects of El Niño based on the forecast of PAGASA. The time frame of actions under this action plan is from the 3rd Quarter of 2023 to December 2024, although it is expected to end by the 2nd Quarter of 2024, this plan will contain interventions to address its effects that may continue on until the end of the year to strengthen the defense of the Municipality

## **PDRRMC LAGUNA**

- Standby on Blue Alert Status.
- Activation of Incident Management Team using Incident Complex
- November 20, 2023- Attended 1st Regional El Niño team meeting via zoom
- January 13, 2024- Disseminated advisory re: Reiteration on the implementation of the El Niño precautionary measures.
- Preposition of Supplies and all heavy equipment for possible augmentation
- Information dissemination thru facebook posting: Stay indoors during extreme heat, stay hydrated, drink plenty of water on a regular basis, Avoid strenuous activities outdoors during the hottest part of the day typically between 10 AM and 3 PM.
- Continuous coordination with Agricultural Office, Provincial Veterinarian and other Provincial Council
- Close coordination with M/CDRRM Offices
- Stand by water purifier for possible augmentation
- Stockpiling of potable/bottled water for distribution

## **MDRRMC SANTA CRUZ**

- o Activation of Emergency Operation Center;
- o Conducted initial meeting led by the Mayor and participated by MDRRMO, MPDO, MEO, MENRO and DILG regarding roll-out orientation with the barangays;
- o Initialized roll-out operations to barangays with Core Team led by Mayor on flood and drainage management, solid and liquid waste management, zoning ordinance orientation;



- o Accomplished roll-out orientation to public elementary schools regarding El Niño, Typhoon and Earthquake;
- o Monitoring on the weather forecast, and updates from PAG-ASA thru social media;
- o Secured optimum functionality of all equipment such as:
  - CCTV security cameras
  - Response vehicles
  - Gadgets and devices
  - Communications

#### MDRRMC PAETE

- o Coordinated to LDRRMC member-agencies and to all Barangays regarding the impending hazard
- o Coordinated to Municipal Waterworks System
- o All resources and man power on stand-by status.
- o Coordination of SITREP to PDRRMO.
- o Weather Monitoring.
- o MDRRMO OpCen Open 24/7 and AOR Monitoring

#### MDRRMC LUISIANA

- o Development of alternative water sources
- o Water rationing will also be implemented to ensure available water supply in affected areas
- o Close monitoring of dam
- o Strictly implementation of water conservation measures as part of efforts to prevent a water crisis
- o Consistent communication and coordination to Municipal Agriculture Office and Municipal Agriculturist in addressing wide range of impacts to the agriculture and fisheries sector such as reduction in food production, increase in food prices, and reduction in farm incomes.
- o Promote energy efficiency and conservation
- o Ensure that communication to MERALCO/power sources regarding energy supply
- o Water quality analysis and provision of water supply
- o Inventory of health facilities and mobilization of Water, Sanitation, and Hygiene (WASH) in affected areas
- o Continuous monitoring of health-related incidents and conduct of outbreak investigations
- o Fire safety-Coordination with the BFP to intensify its fire safety operations
- o BFP will provide support to LGUs in the creation of their contingency plans.

#### CDRRMC CALAMBA

- o Continuous weather monitoring thru PAGASA.
- o Coordination on barangay officials to monitor their AOR.
- o Convene CDRRMC meetings and conduct Pre-Disaster Risk Assessment as needed.
- o 24/7 Emergency Operation Center activated.
- o Continuous weather updates and advisories thru FB pages.
- o Barangay Quick Response Team (BQRT) are on stand-by and instructed to immediately report any manifestation of El Niño in their respective AOR.
- o Utilize LDRRM fund as necessary expenditures and guided by current accounting and auditing rules and regulation;
- o Preposition of all resources needed.
- o Submit Situational report as needed to the higher councils.
- o Continuous coordination with Calamba Water district for possible schedule of water interruption.

#### City Health Services Department

- o Continuous Health Information Dissemination thru Health Teaching during barangay assembly
- o Continuous posting of public health advisory thru FB page.
- o Availability of emergency health supplies.
- o Strengthening disease surveillance and control.
- o Continued and easy access to health care and health information.
- o Inventory of all serviceable Generator Set on both private and public hospitals.

#### Calamba Water District

- o Continuous Public Advisory thru FB page.
- o Continuous operations on detection of leaks at pumping lines.
- o Continuously maintaining pumping station.

#### City Agriculture Service Department

- o Continuous IEC on Climate Change down to barangays especially the farmers.

- o Enrollment of Philippine Crop Insurance Corporation
- o Promotion and information Dissemination of Water Management Technologies production such as Alternative wetting and drying

#### City Veterinary Office

- o Conduct Awareness campaign and information dissemination through social media/radio guesting re: El Niño and La Niña phenomenon and its effect on livestock, poultry and pet animal.
- o Conduct Lecture series on different barangays on climate related disease of animals focusing on prevention and intervention.
- o Provision of supplements to livestock and poultry farmers.

#### City Environmental and Natural Resources

- o Campaign for reducing plastic waste. Encourage use of reusable bottles for hydration, reusable bags, avoiding the use of single-use plastic.
- o Identify vulnerable established urban vegetation

#### MDRRMC CALAUAN

- o Organization of the Local El Niño Team / Council to oversee the ongoing phenomenon
- o Preparation of the MDRRMOs Contingency Plan regarding Drought
- o Possible fabrication of the newly purchased truck that can be used as Mobile Water Filtration and Provision Truck
- o MDRRMO in coordination with the GSO, discussed on the fabrication of mobile water filtration and service truck
- o Ongoing drafting and design of IEC regarding El Niño Phenomenon
- o Drafting of the organization of Local El Niño Teams / Council
- o Approval, Printing and Distribution of El Niño IEC

#### MDRRMC BAY

- o Risk Assessment and Vulnerability Analysis and mapping of areas prone to drought, heatwaves, and water scarcity
- o Analyze historical data and patterns of El Niño impacts
- o Evaluate the vulnerability of key infrastructure, agriculture, and water sources
- o Identify vulnerable populations, including the elderly and those with pre-existing health conditions
- o Early Warning Systems: Collaborate with meteorological agencies for real-time monitoring of El Niño indicators
- o Implement a communication system for receiving and disseminating early warnings
- o Develop and implement public awareness campaigns on El Niño
- o Conduct drills and simulations to ensure the community knows how to respond to early warnings
- o Establish communication protocols for timely information sharing
- o Utilize various channels (radio, social media, community meetings) to disseminate critical information
- o Implement water conservation measures Ensure the availability of alternative water sources
- o Conduct of regular training sessions on El Niño preparedness and response and updating within and among staff on the latest developments in disaster risk reduction and management
- o Train community leaders and volunteers in basic first aid and emergency response and Organize workshops on community-based disaster risk reduction
- o Foster partnerships with relevant government agencies (BAY MPS and Bay BFP), NGOs, and community groups Develop joint response plans for efficient coordination during El Nino events

#### MDRRMC STA. MARIA

- o Activation of Emergency Operations Center
- o Conducted meeting with concerned agencies/department/offices (MDRRMO, MHO, SMWWS, DA, MEO, MENRO, Tourism and MPDO.
- o Information dissemination to barangays re: effects of El Niño to health, water supply, food security, tourism and other hazards.
- o Coordination with SDRRM Coordinator for the effects of El Niño to students (heat stroke, chest pain, dizziness and respiratory problems.
- o Monitoring of weather forecast and updates from DOST-PAGASA and continuous warning to public.

- o Advised the public for the conservation of water and proper solid and liquid waste management.
- o Inventory of medical supplies, equipment and medicines for response for possible health emergency within the AOR.
- o Maintenance of response vehicles, CCTV security cameras, communications and other rescue equipment.
- o Regular updates to LCE.

#### MDRRMC MABITAC

- o Since December 2023, the Emergency Operations Center has been activated 24/7 to closely monitor the celebration of the Yuletide Season and El Niño Phenomenon for any possible incidents or consequences within the area of responsibility.
- o The Municipal Agriculture Office of Mabitac, as the lead agency, has conducted a pre-disaster needs assessment for the El Niño Phenomenon in the municipality which was attended by the members of the Mabitac El Niño Task Force including Liga ng mga Barangay held at the office of the Mayor last January 8, 2024, at 1400H
- o Continuous giving of IEC regarding El Niño and its effects and weather forecast and updates from PAGASA through social media platforms.
- o Continuously coordinating with MAWADI and PWUA for a possible schedule of water interruption.
- o Continuously coordinating with schools and barangays in the municipality to prepare for the El Niño weather phenomenon. This is part of our preparedness campaign to ensure that everyone is ready and safe during this time.
- o Strengthened disease surveillance and control. Ensure the availability of emergency health supplies and posting of public health advisories through social media.
- o Secured optimum functionality of all response tools and equipment.
- o Continuously monitoring of water level of rivers, irrigation, and canals in the municipality and promotion of water management technologies production, Alternative Wetting and Drying (AWD) practice.
- o Continuous campaign for the enrollment of Philippine Crop Insurance.
- o Report immediately all emergency/disaster incidents and action taken and provide situational updates to the PDRRMO and RDRRMC OpCen.

#### MDRRMC PAKIL

- o Emergency Planning with the MDRRMC for the possible El Nino phenomenon.
- o Coordination with BDRRMC for the public awareness campaigns, for safety measures, and other potential risks associated with El Nino phenomenon.
- o Coordination with Municipal Agriculture Office for the effects of El Nino.
- o Close monitoring for possible El Nino effects in the area.
- o Installation of lightning arrester for El Nino phenomenon.
- o Weather monitoring and continuous monitoring.

#### MDRRMC CAVINTI

- o Activation of Emergency Operations Center;
- o Monitoring of weather forecast and updates from PAG-ASA thru social media;
- o Information dissemination by means of social media and weather bulletins to the community;
- o Coordination amongst the members of the LDRRMC and EOC on continuous monitoring of any untoward incidents and weather situation updates;
- o Accomplished roll-out orientation to public elementary schools regarding El Niño, Typhoon and Earthquake;
- o MDRRMO 24/7 Operations Center are on standby and monitoring any untoward Incident;
- o Secured optimum functionality of all equipment such as:
  - Response vehicles
  - Gadgets and devices
  - Communications
- o Coordinated with Cavinti Water Works of regularly monitoring of water supply

#### CDRRMC CABUYAO

##### City DRRM Office

- o Continuous monitoring the weather condition
- o Rescue vehicles on standby mode.
- o First aid kits prepared and replenished.
- o Information dissemination thru FB page.
- o Close coordination with partner agencies and council members

#### City Agriculture Office:

- o Reduce vulnerability and exposure of farming communities to all hazards (safeguard livelihoods through introduction and use of short-cycle and drought-tolerant varieties, timely and accurate assessments and evidence-based planting; promotion of good agricultural practices and good aquaculture practices; ensure efficient allocation of water resource through enhancement of irrigation canals, communal irrigation system, and small-scale irrigation projects)
- o Enhance capacities of communities to reduce their own risks and cope with the impacts of hazards (engage farmers in alternative livelihoods, value-adding post-harvest technologies and community-based DRRM)
- o Establish and strengthen capacities of communities to anticipate, cope and recover from the negative impacts of emergency occurrences (apply risk and vulnerability reduction measures such as the introduction of stress-tolerant crop varieties, climate-smart farming, and good practice option;
- o Identify, implement and evaluate risk-reducing location specific practices and technologies for agriculture and fisheries; insure all crops and livestock to the Philippine Crop Insurance Corporation)
- o Conduct of inter-disciplinary analysis and mapping of climate change impacts on crops, surface water availability and farm gate price

#### City Veterinary Office

- o Decrease the occurrence of transboundary animal diseases
- o Diminish animal exposure to El Nino Phenomenon
- o Increase awareness of pet owners on the possible effects (be it severe or not) of such disaster to their respective pets
- o Diversify and integrate livestock systems
- o Increase animals' tolerance to heat stress and diseases
- o Enhance feeding practices for livestock and poultry animals
- o Reduce soil erosion and improve moisture and nutrient preservation
- o Protect and maintain animals in the occurrence of the same
- o Engage the pet owners with essential capacities to manage any effects that, in any way, are adverse

#### City Nutrition Office

- o Mobilization of personnel, City Nutrition Cluster and Barangay Nutrition Cluster.
- o Availability of forms for Nutrition Initial Needs Assessment, Micronutrient Supplementation etc.\
- o Readiness for Rapid Nutrition Assessment.
- o Continuous coordination with Nutrition Cluster members.

#### MDRRMC FAMY

- o Notifying the council members of the impending threat via social media group chat;
- o Coordination with the agriculture sector stakeholders who will be affected mostly by El Niño;
- o Giving of advisories to BDRRMCs;
- o Preparation of Program of Works for Irrigation projects to be submitted to National Irrigation Administration;
- o Creation of the El Niño Task Force

#### CDRRMC SAN PEDRO

- o 24/7 Operations Center (OpCen) monitoring of situation and coordination;
- o Monitoring of warning and other advisories issued by DOST-PAGASA, and stay updated on the climate advisories;
- o Remind all to conserve water and energy as well as to fix or report water leaks;
- o Conducts massive information campaign to educate the public on EL NIÑO Phenomenon;
- o Established and Organized EL NIÑO Task Force thru Executive Order No. 26, series of 2023

#### **PDRRMC BATANGAS**

- Maximization / Optimization of Production in non-vulnerable areas (ProVet)
- Provision of Farm machineries and support for silage making and other alternative feeds (Forage Chopper/Forage Harvest, Mineral Block, Plastic drums, chicken net
- Provision of Feed supplements -Molasses , mineral block (PAO)
- Buffer stocking and Provision of Drugs & Biologics (PAO)
- Provision of Planting materials resistant to extreme heat (seeds, cuttings & seedlings) (PAO)
- Drilling and Installation of Shallow Tubewells for additional supply of irrigation water (PAO)
- Establishment of Solar Power Irrigation System (1 unit Provl Demo Farm, 2 units Malainin Demo Farm) (PAO)
- Construction of 2 units rain water collectors at OPA demo farm

- Information, Education & Communication (Provet) guide in mitigating the effect of El Nino to food animals
- Trainings/lectures of farmers on the necessary practices during drought and el niño, silage making and other alternative feedstuffs for animals. (ProVet)
- Rice, corn, vegetable production projects and support to farmers and fisherfolks (distribution of agri inputs-seeds, planting mats, fertilizers, fishery inputs) (PAO)
- Farm Mechanization, land preparation, post-harvest and integrated pest management services/assistance.
- Fresh Water Monitoring and Assessment (PG- ENRO/PHO/PEO)
- Information, Education & Communication > limit tree planting activities during months with normal rainfall to increase plant survival
- Continuous tree planting activities to protect watersheds
- Delineation of watershed boundaries in the CLUPs in coordination with NAMRIA (PPDO)
- Strict implementation of pollution control law in coordination with DENR and LGUs (PG-ENRO)
- Prepositioning or provision of health emergency commodities to severely affected LGUs (PHO)
- Stand by organized 24/7 Health Emergency Response Teams (PHO/PDRRMO)
- One Hospital Command 24/7 referral system
- Information, Education & Communication on Health Security concerning El Nino.

#### MDRRMC BAUAN

- o Conduct mass information, education, and communication campaigns in communities in Bauan regarding the possible impact of El Niño, preparedness measures, and water conservation.
- o Municipal Social Welfare and Development Office (MSWDO) in Bauan to standby welfare goods for affected families of farmers.
- o Enhance dengue and other related diseases prevention programs and activities led by the Rural Health Unit (RHU) in Bauan.
- o Submit situational reports to concerned and higher agencies.

#### MDRRMC NASUGBU

- o Passage of Executive Order no. 2 s. 2024 re Creation and Organization of Local El Niño Task Force in the Municipality of Nasugbu
- o Allow water concessionaires and water utilities to conduct emergency repair of leaks prior to securing the necessary excavation permit, provided the said permit shall be secured within a reasonable period from the commencement of the repair works;
- o Lift the application of number-coding schemes, as applicable, with respect to the water tankers that will be used by water concessionaires, and water utilities to immediately address the water supply needs of their affected customers;
- o Implement and update the existing contingency/response plans related to the El Niño Phenomenon;
- o Have existing policies and/or enacted ordinances any curbing illegal connections and encouraging the prudent use of water, which includes using broom, instead of a water hose, in cleaning sidewalks and driveways; fixing leaky faucets; using pail or bucket, instead of hose in cleaning cars; using recycled or leftover water for houseplants; and watering gardens during the coolest part of the day;
- o Stockpile relief goods (food and non-food items) for immediate relief assistance for El Nino affected households;
- o Conducted massive El Nino - Information, Education and Communication (IEC) campaigns in the Brgys/communities;
- o Closely coordinate with respective Department of Agriculture (DA) Regional Offices on the recommended mitigating measures to address the effects of El Niño;
- o Implementation of the mitigating measures to control the health consequences of the unusual drier conditions due to El Niño;
- o Regularly monitors and reported the manifestation of El Nino through the respective Local DRRMCs;
- o Utilization of the LDRRM Fund for the necessary expenditures;
- o Coordinated with respective local Fire Stations to refrain from unnecessarily drawing water from fire hydrants, and limit the same only for purposes of putting out fires;

#### MDRRMC PADRE GARCIA

- o Vigilantly observe weather conditions and stay informed about the current situation.
- o Keep rescue vehicles on standby, prepared for immediate deployment in case of emergencies.
- o Ensure the readiness of first aid, trauma, and respiratory bags by regularly preparing and replenishing them.
- o Maintain the Emergency Response Group in a state of heightened alertness for swift and effective response.

- o Continue ongoing monitoring efforts and foster consistent coordination with partner agencies to enhance the overall disaster preparedness and response strategy.
- o Additionally, conduct regular training sessions to reinforce the preparedness capabilities of the team and strengthen collaboration with the community to build a resilient and informed populace.
- o Disseminate important information through the official Facebook page of the MDRRMO padre Garcia and distribute El Niño Information, Education, and Communication (IEC) materials to the public.

#### MDRRMC ROSARIO

- o Crafted and submitted El Niño Action Plan.
- o Regular monitoring of weather updates and advisories from PAGASA and other relevant agencies.
- o Establishing emergency response teams and contingency plans in the event of severe El Niño – related incidents, such as floods or landslides.
- o Raise regular assessment and monitoring of the water supply and irrigation systems to ensure that they are functioning properly.
- o Provide regular updates and advisories to the public regarding the El Niño phenomenon and its potential impact on the community.

#### MDRRMC SAN JOSE

- o Posted IEC of Waterworks section to FB page
- o Attended the 168th Climate Forum hosted by DOST-PAGASA – Climate Monitoring and Prediction Section (CLIMPS), and Climatology and Agrometeorology Division (CAD) January 24, 2024 for updates regarding El Niño and informed task force members on the presentations given.
- o Coordination with task force members for consolidation of report
- o Preparation and submission of sitrep re: El Niño
- o Monitoring and posting of daily weather forecasts and advisories through FB page and messenger group chats.
- o Posting of IECs thru FB page and messenger group chats.  
<https://www.facebook.com/SanJoseBatangasMDRRMCOpCen>
- o Monitoring of all weather system (automated rain gauge) reading, breakdown of rainfall from January 1-31, 2024

#### MDRRMC SAN PASCUAL

- o Conduct mass information, education and communication campaigns in the communities regarding the possible impact of El Niño, preparedness measures and water conservation cared of MDRRMO, Barangays and RHU.
- o Enhance seasonal farming methods as monitored by MAO.
- o MSWD to standby welfare goods for the affected families of farmers.
- o Enhance dengue and other related diseases prevention programs and activities to be led by RHU.
- o Monitor livestock farming and coordinate immediately with the concerned agencies the occurrence of diseases.
- o Submit situational report to concerned and higher agencies.

#### MDRRMC CALATAGAN

- o Issuance of an Executive Order creating the Local El Niño Team / Task Force with their duties and functions.
- o 24/7 Operations Center(OpCen) monitoring of situation and coordination with various stakeholders.
- o Monitor weather bulletin update and other advisories issued by DOSTPAGASA, and stay updated on the climate advisories.
- o MDRRMO, BDRRMC, RHU to conduct massive information, education and communication campaigns in the communities regarding the possible effect of El Niño phenomenon, preparedness measures and water conservation.
- o MSWDO to standby welfare goods for the affected families and farmers.
- o BFP and MEO to strictly implement fire and building code to prevent fire emergencies during El Niño.
- o Provide water irrigation system such as shallow well (STW) and Solar Powers Irrigation System (SPIS).
- o Encourage farmers to plant drought-resistant crops.
- o Provision of agricultural inputs such as plastic mulch that can help retain soil moisture for longer period of time.

#### MDRRMC AGONCILLO

- o Constant monitoring of the weather condition and current situation.
- o Cisis and disaster response team members is on standby alert mode
- o Continuous collaboration and monitoring with partner agencies in our area of responsibility.

- o Continuous dissemination of information of the possible effects of El Niño to the health of the public and its preventive measures.
- o Raise public awareness of the possible effects of El Niño to farmers and livestock producers as well as the precautions that can be taken.
- o Promotion of water conservation to the public

#### **MDRRMC LIAN**

- o Issuance of an Executive Order No. 8 re Creation and Organization of Local El Niño Task Force with their duties and functions.

#### **MDRRMC TAYSAN**

- o Issuance of an Executive Order No. 8 re Creation and Organization of Local El Niño Task Force with their duties and functions.
- o Continuous monitoring the weather condition and current situation.
- o Rescue Vehicles on standby mode.
- o First Aid, Trauma & Respiratory bags prepared and replenished.
- o Emergency Response Group on standby alert mode.
- o Information dissemination thru FB page of the LGU and distribution of El Niño IEC Materials to the public.
- o Continuous monitoring and coordination with partner agencies.

### **PDRRMC RIZAL**

- Continuous monitoring of Area of Responsibility regarding possible effects of El Niño

#### **MDRRMC CAINTA**

- o Conducts IEC for every household
- o Standby medicines for potential health emergency cause by heat waves; discomfort for young and elderly; increase in water-borne diseases; respiratory and skin diseases.
- o Coordinate with BPLO to implement the water conservation act within the municipality and the business establishment.
- o Identify and assess communities that are affected by El Niño.

#### **MDRRMC MORONG**

- o Issuance of an Executive Order No. 33 re An Order Creating the Local El Niño Team in the Municipality of Morong, Rizal, which includes their duties and functions.
- o Crafting and implementation of El Niño Action Plan.
- o Save vulnerable areas through appropriate water management and other related interventions.
- o Appropriate management of water resources
- o Massive risk information dissemination campaign on potential impacts of El Niño.
- o Mitigate potential risks to lives and well-being of the people.

#### **MDRRMC PILILLA**

- o Develop and update El Niño preparedness plans: Establish comprehensive plans outlining risk assessment, early warning systems, evacuation procedures, emergency response protocols, and resource allocation strategies.
- o Conduct drills and exercises: Regularly conduct community drills and exercises to test preparedness plans, raise awareness, and build local capacity to respond to El Niño events.
- o Strengthen inter-agency coordination: Facilitate collaboration between government agencies, NGOs, and community organizations to ensure a coordinated and effective response to El Niño impacts.
- o Promote drought-resistant crops and farming practices: Encourage farmers to adopt drought-tolerant varieties of crops and water-efficient agricultural techniques like drip irrigation and mulching.
- o Provide assistance to farmers: Offer financial support, technical guidance, and access to resources like drought-resistant seeds and fertilizers to help farmers cope with El Niño impacts and maintain their livelihood.
- o Implement food security programs: Establish emergency food reserves and distribution systems to ensure food availability for vulnerable populations during El Niño-induced droughts.
- o Implement fire prevention and suppression measures: Conduct community education campaigns on fire safety, clear brush and debris around homes and communities, and invest in firefighting equipment and personnel.
- o Monitor fire risk and weather conditions: Establish early warning systems and actively monitor drought conditions and fire risks to predict and prevent wildfires.
- o Respond to wildfires effectively: Have well-coordinated response plans in place to mobilize firefighting resources and provide assistance to affected communities during wildfires.

- o Provide emergency water relief: Be prepared to distribute water to vulnerable communities and areas facing acute water shortages during El Niño.
- o Provide Logistical Support: Supply sufficient logistical assistance, such as provisions, water, tents, fuel supplies, vehicles, etc., that is essential to achieving the aims and objectives in relation to the aforementioned plan.
- o Monitor air quality and health risks: Monitor air quality during El Niño-related heat waves and wildfires, and raise awareness about health risks like heatstroke and respiratory illnesses.
- o Promote preventive measures and healthcare services: Educate the public on measures to stay cool and hydrated during heat waves, and ensure access to healthcare services to address heat-related illnesses and other El Niño-related health risks.
- o Support vulnerable populations: Provide healthcare assistance and social protection programs to elderly, children, and other vulnerable groups who are disproportionately affected by El Niño impacts.
- o Support affected population: Serving as the main organization in charge of providing affected people and their families with relief aid;
- o Records & Data base: To compile and preserve documentation of recipients and deliveries of aid;

#### **MDRRMC TANAY**

- o Issuance of an Executive Order No. 36 re An Executive Order Creating the Municipal El Niño Team in the Municipality of Tanay, Rizal Thereby Authorizing the Utilization of the Municipal Disaster Risk Reduction and Management Fund
- o Develop and update El Niño Action Plan.

#### **MDRRMC TAYTAY**

- o Creation of El Niño Task force with their functions and responsibilities.
- o Conduct of regular meetings to address the need and other possible effects that may encounter during El Niño.
- o Regular observation of weather and situation in the municipality
- o Information sharing of El Niño IEC through digital platforms
- o Prepared and restocked respiratory, trauma and first aid kits
- o Monitor closely warnings and climate advisories issued by the DOST-PAGASA

### **PDRRMC QUEZON**

- Continuous monitoring of Area of Responsibility regarding possible effects of El Niño

#### **MDRRMC CALAUAG**

- o Send warnings and advisories
- o Cascade preparedness directives
- o Activate EOC to Blue Alert
- o Activate selected Response Clusters as necessary
- o Pre-activate rapid deployment teams
- o Preposition resources to strategic locations
- o Account, assess and ensure operational readiness of critical lifelines (water, communications, power, etc.)
- o Arrange for advance assistance for communities, as authorized
- o Release of Situational Reports
- o Closely and timely coordination with Barangay DRRM Committees, higher DRRM Office / Councils and National Government Agencies

#### **MDRRMC CANDELARIA**

- o Vigilantly observe weather conditions and stay informed about the current situation
- o Keep rescue vehicles on standby, prepare for immediate deployment in case of emergencies
- o Ensure readiness of first aid, trauma, and respiratory bags by regularly preparing and replenishing them
- o Maintain the Emergency Response Group in a state of heightened alertness for swift and effective response.
- o Disseminate important information through the official FB Page and distribute El Niño IEC materials to the public.
- o Continue ongoing monitoring efforts and foster consistent coordination with partner agencies to enhance the overall disaster preparedness and response strategy.
- o Conduct regular training sessions to reinforce the preparedness capabilities of the team and strengthen collaboration with the community to build a resilient and informed populace.



#### **MDRRMC LUCBAN**

- o Executive Order for the Local El Niño Task Force
- o Continuous weather updates and monitoring through the DOST PAGASA website and relayed to BDRRMCs and social media.
- o Coordination with the Agriculture office and waterworks system re: Water Conservation Initiatives
- o Activated 24/7 Operation Center and Emergency Response Team duties in response to El Niño.
- o Continuous inventory and maintenance of emergency response equipment and supplies for potential response during El Niño.
- o Disseminated advisories and health campaigns via Social Media emphasizing the prevention of possible heat-related illnesses, particularly during periods of extreme heat linked to El Niño.
- o Coordinate LCE and MIO regarding updates associated with El Niño.
- o Submission of situational reports, or as needed.

#### **MDRRMC SARIAYA**

- o Regular observation of the current state of the weather and the situation Information sharing and public distribution of El Niño IEC materials through LGU's FB Page
- o Prepared and restocked respiratory, trauma, and first aid bags
- o Monitor closely the warnings and other advisories issued by DOST-PAGASA and stay updated on climate advisories.

#### **MDRRMC TAGKAWAYAN**

- o An administrative mandate has been issued, forming the Local El Niño Response Squad to address potential impacts.
- o Conduct a quick review of current ordinance and promptly formulate amendments or draft new ordinances for immediate enactment.
- o All residents of the municipality are fully apprised of the warnings and advisories concerning the forthcoming El Niño event.
- o Leveraging technical resources from the Regional Department of Agriculture.
- o Readiness and deployment of responders and equipments.

#### **MDRRMC GENERAL NAKAR**

- o An administrative mandate has been issued, forming the Local El Niño Response Squad to address potential impacts.
- o Continuous weather updates and monitoring were relayed to base radios and social media through the DOST PAGASA website.
- o Continuous coordination with the Agriculture office and MENRO for Water Conservation Initiatives to promote the efficient use of water resources during drought periods linked to El Niño.
- o Advised all barangays via Base Radio to activate their BDRRMC for continuous coordination and monitoring of their AOR in response to the BLUE ALERT STATUS due to El Niño.
- o Activated 24/7 Operation Center and Emergency Response Team duties in response to El Niño.
- o Continuous inventory and maintenance of emergency response equipment and supplies for potential response during El Niño.
- o Disseminated advisories and public health campaigns via BASE Radio and Social Media, to all Barangays, schools, and concerned locals emphasizing the prevention of heat-related illnesses, particularly during periods of extreme heat linked to El Niño.
- o Convened a special meeting with all Emergency Response Teams (ERTs) to discuss and address matters associated with El Niño.
- o Coordinate LCE and MIO regarding updates associated with El Niño.
- o Regular submission of situational reports, or as needed.

## **MIMAROPA**

### **OCD MIMAROPA**

- Convened RDRRMC MIMAROPA Member Agencies and P/CDRRMOs for a PDRA Meeting re El Niño on May 16, 2023 / 10:00AM.
- Issued Memorandum No 050 and 051 s 2023 dated April 28, 2023 re Preparedness Measures and Effects of El Niño.

- Issued Memorandum No. 056 and 057 s 2023 dated May 03, 2023 re El Niño Alert.
- Disseminated to LDRRMOs and posted to OCD MIMAROPA official social media account re IEC Materials for El Niño.
- Attended NDRRMC El Niño Meeting.

## **DA MIMAROPA**

- Continuous monitoring and coordination with PAGASA re Climate Forecast.
- Conduct of Regional Coordination/Meetings/Trainings/Assessment and massive information dissemination, education and communication drive.
- Prepositioning of seeds reserves, planting materials, drugs and biologics and pesticides, inventory and prepositioning of pumps and engines.
- Save vulnerable areas through appropriate water management and other related interventions: Shifting to other crops, provision of pumps and engines sets, fuel subsidy, provision of short gestation/drought tolerant seeds and varieties, planting materials, fertilizers, soil ameliorants, flowers inducers, mulching film, pesticides/herbicides, drugs and biologic.
- Maximizing and optimizing production in non-threatened areas.
- Provision of seeds and planting materials, fertilizers, soil ameliorants, flowers inducers, mulching film, pesticides/herbicides, drugs and biologics, provision of pumps and engine sets, fuel subsidy.
- Adjust planting calendar during the wet season to avoid typhoons - target June planting, balanced fertilization.
- Promote early planting for the dry season in water deficit areas.
- Crop diversification - intercropping, crop after rice, livestock.
- Rehabilitation of affected areas (through provision of agricultural inputs, and replacement of animal casualties / stock infusion).
- Ongoing procurement of Hybrid Rice Seeds and Imbred Rice Seeds, Conventional hybrid corn seeds, OPV white flint corn seeds, OPV white glutinous corn seeds.
- Assorted Vegetable Seeds available for distribution.
- Pending approval of Fuel Assistance Program (Php 3,000.00) by DA ICTS, USSC and DBP.
- Rice Farmers Financial Assistance Program for distribution (5,000 cash assistance to rice farmers) on March 7-10, 2024 for Oriental Mindoro and March 14-17, 2024 for Occidental Mindoro. Marinduque, Romblon and Palawan awaiting for schedule.
- The RDRRM Team will conduct post-disaster needs assessment to determine the intervention that will become the basis of the Rehab and Recovery Plan. Funds will be sourced from the Quick Response Fund (QRF).
- Prepared of other appropriate interventions under the Banner Programs so that it would be readily available on the onset of the rainy season.
- To coordinate with BSWM, PAGASA and DA-DRRMS for assessment of the area if there's a need for cloud seeding
- To coordinate with other agencies like DSWD and DOLE for other possible response interventions
- To submit the list of affected farmers to DOLE for planning and programming of interventions for the affected farm workers (as per memo of OIC-Asec for Operations dated 15 Feb 2024)
- To conduct regular coordination meeting with LGUs and members of the El Nino task force in the region.

## **NIA MIMAROPA**

- Coordination meetings with the Filed Offices, Irrigators Association, and other related agencies to mitigate the effect of El Niño in the service area of our irrigation systems.
- Operation and Maintenance Strategies during El Niño.
  - a. Starting the water delivery earlier than schedule in the cropping calendar. Also, coordination with PAGASA for the most favorable date for the adjustment of the water delivery/cropping pattern of the Irrigation System will be conducted as advised during the coordination meetings.
  - b. Encourage farmers to use short varieties of rice, as they require less water and have a shorter growing period.
  - c. Strict implementation of water delivery and distribution through the rotational method.
  - d. Planting diversified crops with low water requirements to optimize water use during drought.
  - e. Information dissemination.
  - f. Increase linkage with other lined agencies to ensure the provision of assistance to our Irrigators Association.
  - g. Immediate assessment of all irrigation facilities to identify the areas that needed to be repaired or improve,

optimize water use and increase the efficiency of irrigations systems during droughts.

#### Occidental Mindoro

- Adapted rotational water delivery scheme of irrigation.
- Farmers in the affected areas are registered with PCIC for insurance.
- Delivery of 2 -unit new pump and engine and 1-old unit pump and engine at 200 lit diesel.
- Provision of fuel subsidy 400 liters last January 2024.
- On-going construction of Concrete Canal lining in Borol CIS to reduce seepage on canals.
- Proposed project re provision of One (1) solar pumps.
- Proposed Project re construction and repair of canal lining and canal structures
- Proposed project re desilting of earth Canals.
- Propose provision of solar pumps.

#### Oriental Mindoro

- Four (4) surface water pumps were provided and Two (2) water pumps will be provided next week for augmentation to ensure the harvest of the standing crops.
- Six (6) drums of Diesel will also be provided to the IAs
- One (1) unit of backhoe deployed to impound water in the river for farmers to use with water pumps.
- Proposed project re provision of Twelve (12) solar pumps.
- Proposed project re Construction of 23 meter high dam: Bulalacao SRIP amounting to Php800M covering 1,036 hectares
- Proposed project re Rehabilitation of Irrigation System.

#### Palawan

- Conducted Inter-Agency meeting in preparation to El Niño and discuss the forecast of PAGASA as early as May 22, 2023.
- Submitted list of the affected farmers to Department of Labor and Employment (DOLE) and Department of Social Welfare and Development (DSWD) Disaster Response Management Office for possible intervention.
- On-going concreting of irrigation canals.
- Construction of Canal Lining and Canal Structures.
- Repair of Diversion Dam
- Proposed project for provision of Solar Powered Irrigation Pump
- Proposed project re construction of Canal Lining
- Proposed project re Construction of Canal Lining and Canal Structures and repair of Diversion Dam.
- Proposed project of 2024 Repair under NEP.
- Proposed project for provision of Solar Powered Irrigation Pump

### **DSWD MIMAROPA**

- Has available standby funds and stockpile amounting to Php 85,290,508.76.
- Alerted the SWADT Offices to monitor the daily local weather conditions and related eventualities, and ensure the provision of information to all concerned offices, divisions, sections, and units.
- On-call status of the expanded R/P/C/M QRTs together with special projects staff on a 24/7 basis for possible activation of Emergency Operation Center.
- Close coordination with the Office of Civil Defense (OCD) and RDRRMC MIMAROPA through attendance to PDRA meetings and on standby for possible activation of the Regional Task Force on El Niño
- Sustain the standby funds and the required number of welfare goods to be prepositioned in the provinces and municipalities
- Has available logistics and human resources.
- Standby funds of 5,000,219.50.
- Has prepositioned Family Food Packs (Kitted) worth 102,443,400.00 and Non-Food Items worth 36,735,570.83
- Prepositioned 54,925 pieces Family Food Packs (FFP) at the LGUs and 64,201 pieces Family Food Packs (FFP) in DSWD rented and private warehouse are available upon the request of the LGUs.
- Additional Allocation of 100,000 FFPs for El Nino Phenomenon for Palawan.

### **DOST-PAGASA**

Before El Nino Watch issuance :

- Monthly Climate Forum every 3rd Wednesday
- Issues Monthly Climate Assessment and Outlook, where unusual warming is being incorporated in the ENSO update

#### El Nino Watch

- Monthly Climate Forum every 3rd Wednesday
- Issues Monthly Climate Assessment and Outlook, El Nino Watch is being incorporated in the ENSO update
- Supported by Press Statement
- Close coordination with DA and NWRB

#### El Nino Alert

- Monthly Climate Forum every 3rd Wednesday.
- Issues Monthly Climate Assessment and Outlook, El Nino Alert is being incorporated in the ENSO update.
- Supported by Press Statement.
- Issue Dry Spell / Drought Assessment and Outlook over provinces with early impact.
- Conducts El Nino Provincial Forum.
- Close coordination with DA and NWRB.

#### El Nino Advisory #1

- Supported by Press Statement
- Issue Dry Spell / Drought Assessment and Outlook
- Issue El Nino Briefer
- Conducts El Nino Provincial For a
- Close coordination with DA and NWRB

### **DOH MIMAROPA**

- Establishment of a 24-hour based monitoring in both CHD and Provincial DOH Office Operation Center for El Niño related cases.
- Establishment of 24-hour hotline for Patient Referral and Navigation for extreme cases.
- Allocation and preparation of IV fluids to Provincial DOH Offices.
- Preposition of assorted Drugs and Medicines, Water Collapsible Containers and Water Disinfecting Tablets and Solutions to all Provincial DOH Offices.
- Sharing of IEC Materials and Health Advisory Infographics via Social Media thru Health Education and Promotion Unit.
- Dissemination of DOH Department Circular No. 2023-0183 to all Provincial DOH Offices, Provincial Hospitals and other Health Facilities regarding Preparedness for Service Continuity for El Niño.
- Dissemination of Memorandum to all Provincial DOH Offices, Provincial Hospitals and other Health Facilities regarding submission of weekly report on the efforts done toward the monitoring of health-related events, health facility preparedness and compliance of facilities to the DOH Department Circular No. 2023-0183.
- Prepositioned drugs and medicines in Regional Office and Provincial DOH Offices amounting to Php 660,061.76.
- Prepositioned IV fluids in Regional and Provincial DOH Offices.
- Prepositioned hygiene kits (652 pails) in strategic areas and areas of concern for health services.
- Prepositioned jerry cans in strategic areas and areas of concern for health services.

### **DILG MIMAROPA**

- Disseminated the DILG Memorandum Circular No. 2023-065 dated 25 April 2023 re Mitigation and Preparedness Measures for the El Niño Phenomenon 2023.
- All Local Government Units are enjoined to take precautionary measures thru DILG Field Officers to:
  - A. Urgently enact ordinances curbing illegal connections and encouraging the prudent use of water, which includes using a broom, instead of a water hose, in cleaning sidewalks and driveways; fixing leaky faucets; using pail or bucket, instead of a hose in cleaning cars, using recycled or leftover water for houseplants, and watering gardens during the coolest part of the day.
  - b. Allow water concessionaries and water utilities to conduct emergency repair of leaks prior to securing the necessary excavation permit, provided the said permit shall be secured within a reasonable period from the commencement of the repair works.
  - c. Lift the application of number-coding schemes, as applicable, with respect to the water tankers that will be

used by water concessionaires, and water utilities to immediately address the water supply needs of their affected customers.

- d. Implement and update the existing contingency plans related to the El Niño Phenomenon.
- e. Coordinate with the Regional Office of the National Economic and Development Authority (NEDA) for planning and aligning actions to be undertaken in reference to the Expanded Roadmap for Addressing the Impact of El Niño (E-RAIN).
- f. Coordinate with the Philippine Council for Agricultural, Aquatic and Natural Resources Research and Development (PCAARRD), through the Regional Offices of the DOST, for possible and available technology that could help mitigate the effects of El Niño in local agriculture and commerce.
- g. Stockpile relief goods (food and non-food items) for immediate relief assistance.
- h. Conduct massive Information, Education, and Communication (IEC) campaigns in communities.
- i. Disseminate and implement water conservation tips.
- j. Coordinate with respective Department of Agriculture (DA) Regional Offices for the recommended mitigating measures to address the effects of El Niño.
- k. Save vulnerable areas through appropriate water management and other related interventions by conducting cloud seeding operations, shifting to other crops, provision of pumps and engine sets, fuel subsidy, provision of short gestation/drought-tolerant seed varieties, planting materials, fertilizers, soil ameliorants, flower inducers, mulching film, pesticides/herbicides, drugs, and biologics.
- l. Adjust the cropping calendar and pattern of planting in some areas.
- m. Maintain canal embankments and paddy bunds to minimize conveyance and farm losses.
- n. The Department of Health also recommended the mitigating measures to control the health consequences of the unusual drier conditions due to El Niño.
- o. Closely monitor and immediately report any manifestation of El Niño to the National Disaster Risk Reduction and Management Council, or through the Local DRRM Council.
- p. Utilize the Local DRM Fund for the necessary expenditures, and be guided by current accounting and auditing rules and regulations.
- q. Enjoin the Bureau of Fire Protection to refrain from unnecessarily drawing water from fire hydrants, and limit the same only for purposes of putting out fires.
- r. Continuous updating of the provinces by sending weather bulletins through email and social media.

## **DENR - CENRO**

- Information dissemination for personnel and staffs during convocation on the adverse effect of El Niño not only to the environment but most especially to people.
- Posting of El Niño Advisories to bulletin boards where it can easily be noticed by the clients.
- Checking of pipelines and faucets for possible leakage to prevent wastage of water as a measure of water conservation during these phenomenon.

## **203RD INFANTRY BRIGADE**

- Coordinate with the DRRMC regarding the effects of El Niño within the AOR.
- Additional water storage in case of water interruption/shortages.
- Conduct an information and awareness drive regarding the conservation and consumption of water to avoid dehydration and heatstroke.
- Conduct loudspeaker operations regarding the possible effects of El Niño.
- Coordinate with the local fire department for additional preparedness tips in case of fire.

Personnel and Logistics:

203rd Infantry Brigade (H203 Bde, Bansud, Oriental Mindoro)

- 12 Enlisted personnel
- 3 unit KM450

76th Infantry Battalion (H76IB Brgy San Luis, Mamburao, Occidental Mindoro)

- 59 Enlisted personnel
- 1 unit KM250
- 5 units KM450

4th Infantry Battalion (H4IB, So Napisian, Brgy Cambunang, Bulalacao, Oriental Mindoro, ACP, A/4 So Haguines, Brgy Wasig, Mansalay, Oriental Mindoro, HB/4 So Sta Maria Brgy Purnaga Magsaysay, Occidental Mindoro, ACP, C/4 So Haguines, Brgy Wasig, Mansalay, Oriental Mindoro)

- 36 Enlisted personnel
- 1 unit KM250
- 5 units KM450

68th Infantry Battallion (A/68IB ACP/FOB, Brgy Batasan, San Jose, Occidental Mindoro)

- 1 Officer /18 Enlisted personnel
- 1 unit KM250
- 1 unit KM451

68th Infantry Battallion (Hqs B/68IB ACP/FOB, So Marumpongín, Poblacion, Calintaan, Occidental Mindoro)

- 1 Officer /18 Enlisted personnel
- 1 unit KM450

68th Infantry Battallion (Hqs C/68IB, Brgy Burgos, Sablayan, Occidental Mindoro)

- 1 Officer /18 Enlisted personnel
- 1 unit KM450

68th Infantry Battallion RCP 68IB, Brgy Murtha, San Jose, Occidental Mindoro)

- 1 Officer /18 Enlisted personnel
- 1 unit KM450

## **WESCOM**

- Conducted morning formation and dissemination with regard to the precautionary measures in mitigating the possible negative effects of impending El Niño on 09 0800 May 2023 in front of Headquarters TOG 7.
- Directed all Squadron First Sergeant of 570th Air Base Group to conduct Troops Information and Education to all its personnel regarding Preparedness and Effects of El Niño. Further are the following precautionary measures to mitigate the effects of El Niño:
  - a. Conserve water and use it wisely
  - b. Protect water resources from contamination
  - c. Drink more fluids to avoid dehydration
  - d. Listen and monitor to the updates on shellfish ban
  - e. Wear light clothing to avoid heat exhaustion and avoid strenuous physical activity.
- TOG 7 & and TOWWEST conducted troops information and education re El Niño. All personnel were directed to conserve water and use it wisely, protect water sources from contamination, drink more fluids to avoid dehydration, listen and monitor to the updates on shellfish ban, wear light clothing to avoid heat exhaustion and avoid strenuous physical activity.
- Has a total of 122 personnel and available equipment on standby.

## **PDRRMO OCCIDENTAL MINDORO**

- PDRRMC Chairperson issued directives to MDRRMC on the activation of their EOC and submission of their preparedness plans;
- Continuous monitoring to all MDRRMCs regarding the status of their area of responsibility;
- Continuous dissemination of weather advisories via social media accounts;
- Emergency Operations Center to all PGO/PDRRMO sub-offices is activated;
- Formation of Incident Management Team (IMT) per PGO/PDRRMO sub-offices;
- Conducted meeting with the volunteers and PQRTs per sub-offices who will become part of the deployment and conduct 24/7 monitoring;
- Organized medical team at all provincially-managed hospitals;
- Ensured the functionality of all vehicles needed and to be assigned to all PDRRMO sub-offices;
- Inventory and pre-position emergency supplies and medicines to all PDRRMO sub-offices;

- Ensured that all communication- handheld radio, satellite phone is all functional;
- Assessment and evaluation of situation with all PDRRMC members.
- Close coordination with Office of Provincial Agriculturist on the numbers and status of affected farmers due to El Niño.
- Deployed four (4) Rapid Damage Assessment Need Analysis (RDANA) Teams to Municipality of Rizal to assess the effects of El Niño in the aforementioned Municipality.
- Coordination with Office of Provincial Agriculturist on the numbers and status of affected farmers.

### **MDRRMO Looc, Occidental Mindoro**

- Conducted meetings with MAO, MPDC, and Mayor's Office to discuss immediate response action with regards to the effects of the El Niño Phenomenon.
- Verified and consolidated the data and extent of damages to farmers from the MAO Office in preparation for the MDRRM Council Meeting to recommend to Sangguniang Bayan to declare a state of calamity throughout the municipality.
- Identified cost-effective response action to affected farmers.
- Requesting for the RDANA Team to mobilize and validate the extent of damages.

### **MDRRMC MAGSAYSAY, OCCIDENTAL MINDORO**

- Raising of status of MDRRM OpCen to Blue Alert effective 8:00 AM, March 4, 2024.
- Directed all concerned MDRRMC Members-Agencies and BDRRMCs in the Municipality of Magsaysay to ensure continuous monitoring of their Area of Responsibilities (AOR) and report/coordinate any untoward incident to the MDRRM OpCen.

## **Region 5**

### **OCD 5**

- Conducted PDRA meeting for El Niño with the early recovery core group on 05 May 2023
- Attended updates meeting on El Niño last 03 May 2023
- Issued RDRRMC Memo No. 35, 2023 El Niño Alert, directing all RDRRMC members to commence the preparedness actions and precautionary measures with the current situation to mitigate the impact of El Niño to the region.

### **DSWD 5**

- DSWD FO V DRMD continuously monitors weather updates and other pertinent information;
- Coordination with SWAD Teams for possible effects of El Niño in their AORs.
- Coordinate with the Department of Agriculture, Provincial Agriculture/MAO on the list of poor farmers for the possible adverse impact of El Niño.
- Resource Operation Section ensures the availability of family food packs and non-food items as need arises; and
- Replenishment of prepositioned goods to satellite and LGU warehouses.

### **DOST V**

- Deployment of Emergency Disinfection System (EDS) and low cost modular-type rainwater collection system in Oas, Albay, Esperanza and Batuan Masbate, and Prieto Diaz, Sorsogon.
- Establishment of water desalination facility in Balatan and Pasacao, Camarines Sur, Burias Masbate, Pandan Catanduanes and Tabaco, Albay.
- Distribution of sawyer bucket water filter in Siruma, Camarines Sur.

### **DOH 5**

- Disseminated the Department Circular No. 2023-0183 dated April 18, 2023 “ Health Facility Preparedness for Service Continuity for El Niño”
- Reactivation of the DOH Task Force for El Niño
- Implement the DOH Regional El Niño Plan 2023

## **DILG 5**

- Conduct of El Niño Compliance Survey by Central Office Disaster Information Coordinating Center (CODIX) to LGUs and PLGUs
- Dissemination of Memorandum Circular No. 2023-065 to LGUs and PLGUs.
- Dissemination of El Niño Alert as per RDRRMC Memorandum No. 34 s. 2023 to LGUs.

## **DENR V**

- Creation/Activation of the DENR Disaster Risk Reduction Committee/Disaster Control Group (DCG’S)
- Updating/Developing Forest Protection Plan
- Coordination with other government agencies regarding water and energy conservation/reduction
- Intensify Communication , Education and Public Awareness (CEPA) activities regarding water and energy conservation

## **Region 6**

### **OCD VI**

1. Issued RDRRMC VI Memorandum No. 44 on submission of Preparedness Measures for LDRRMCs and RDRRMC VI Members on May 24, 2023
2. Joined the NDRRMC Emergency Meeting re Super MAWAR and El Niño May 25, 2023
3. Dissemination of advisories thru SMS, social media and viber groups
4. In close coordination with RDRRMCs and LDRRMCs.
5. Validated the request of LGUs of West Aklan on May 9, 2023.
6. Conducted Pre-Disaster Risk Assessment Meeting with RDRRMC 6 members;
7. Issued RDRRMC Memorandum 11 s. 2023 re Constituting the Western Visayas Regional El Niño Team and Defining its Structure and Functions Thereof
8. Issued RDRRMC Memorandum 12 s. 2023 re Approval and Adoption of the Regional Comprehensive Integrated Action Plan (CIAP) for El Niño
9. Issued RDRRMC Memorandum No. 4 s. 2024 re Reiteration on the Submission of Preparedness Measures and Situation Reports on the Effects of El Niño
10. Participation to media guesting and interviews ICOW preparations for El Niño

### **BFP 6**

1. Coordinate with DILG and RDRRMC and LDRRMCs in the conduct of local PDRA and undertake preparedness and response protocols.
2. Continuous monitoring of PAGASA weather advisories and bulletins.
3. Conduct close coordination with the local DRRMO and other agencies for possible effects and/or hazards brought about by El Niño.
4. Ensure availability of BFP Assets and Personal Protective Equipment at all times.
5. All BFP stations shall conduct pre-fire planning to ensure a high level of preparedness and efficient response to all operational units on possible fire occurrence/s.
6. Conduct Intensified Barangay Ugnayan and Fire Safety Campaign, Fire Truck Visibility and distribution of Fire Safety Information Materials to barangays. Ensure that all areas/sitio/Purok in the barangay are visited and inspected.
7. All BFP stations shall ensure that all operational Fire Trucks within their AOR are readily available for water rationing shall any LGU request the same.
8. Conduct hydrant spotting and source of water if any.



## **DSWD 6**

1. Field Office VI continuously monitors weather updates/El Niño Advisory from DOST-PAGASA and disseminates the same to the Regional, Provincial, City, and Municipality Quick Response Teams.
2. Instructed the QRTs to continuously monitor their respective Area of Responsibility (AOR) and immediately report El Niño/drought related incidents/updates within their jurisdiction.
3. Close coordination with P/C/MLGUs to generate any reports on families affected.
4. Continuous repacking of Family Food Packs (FFPs) at the Regional Warehouse in Oton, Iloilo.
5. Continuous prepositioning and stockpiling of FNIs to strategic proposition sites in the region.

## **Guimaras PDRRMO**

- Information dissemination and monitoring of El Niño Phenomenon manifestation; its effects on people, agriculture, health and economy through PDRRMC 4K Hotline, Municipal Hotline and through social media (facebook page of PDRRMC, MDRRMC of 5 municipalities and other concerned agencies).
- Health advocacy and IEC on heat stroke and other related health concerns to schools, community, and water conservation, water scheduling and water recycling.
- Allocated budget for stockpiling of food, non-food, water and for ERIED brought about by El Niño.
- Standby ambulance for immediate response to medical emergencies (heatstroke, etc.)
- Introduction of alternative irrigation system
- Adaption of submitted plan for El Niño preparedness and mitigating measures by Municipal Agriculture Office to Provincial Agriculture Office
- Coordination with line agencies re: Preparedness and mitigating measures.
- Creation of El Niño Task Force for some Municipalities
- Standby water truck for water rationing.

## **DILG VI**

- ? Disseminated the DILG Central Office Memorandum Circular No. 2023-065 re: Mitigation and Preparedness Measures for El Niño Phenomenon 2023
- ? Monitored the LGUs compliance on the DILG Memorandum No. 2019-64 re: Preparedness Measures for the El Niño Phenomenon
- ? Coordinated with the Field Offices on the updates of the LGUs actions on their respective locality
- ? Directed the DRR-CCA Focal Persons to coordinate closely with its respective LGUs for latest situation in their AORs

## **Antique PDRRMO**

1. MDRRMC – Weather Monitoring Operation, Rescue Operation
2. BDRRMC – Reported the Incident (via Text blasting, Facebook page)

## **Negros Occidental PDRRMO**

DISASTER MANAGEMENT PROGRAM DIVISION NEG. OCC. (DMPD)

- a. Close monitoring of the weather update and advisories.
- b. Command Center continues to monitor weather forecast from PAGASA
- c. Information dissemination thru media and radio outlets.
- d. Information dissemination thru Email, SMS, Facebook Page, messenger, and group chat.
- e. Negros Occidental Command Center is On Stand-by and coordinating.
- f. All response units of PDRRMO are on standby in case of possible deployment
- g. Preparation of resources: rescuers, equipment, supplies and provisions.
- h. Preparation of PDRRMO Response Team for possible deployment.
- i. Situational report will be submitted to the Office of the Governor, DILG, OCD, and other concerned offices/agencies.
- j. Continuous coordination with PNP, AFP, BFP, PCG and other agencies.
- k. Coordination the C/MDRRMO of the affected LGU
- l. Prepositioning of emergency response equipment

## **Talisay CDRRMO**

- a. Continuous monitoring and dissemination of El Niño Advisory issued by DOST- PAGASA
- b. Cascade El Niño Information and Education campaign materials to Barangays and stakeholders concerned.
- c. Continuous monitoring of water quantity and quality in vulnerable areas.
- d. Advised farmer leaders, technicians, and other stakeholders to report damages and losses
- e. Close monitoring of any incidents of pests and diseases
- f. Monitoring of health-related illness on effects of El Niño due to sudden changes in temperature
- g. Strengthened information campaign on fire prevention

## **Sipalay CDRRMO**

- a. Close monitoring of warnings from PAGASA
- b. Dissemination of Public Health Advisory re El Niño
- c. Coordinated with concerned agencies and LGU offices for the monitoring of effects of El Niño in Agriculture, Environment, Public Health and other sectors.
- d. Adherence to the public health advisory for El Niño and minimum health standards for COVID-19 issued by DOH

## **DOH VI**

1. Posting of key health messages during summer for skin diseases and heat stroke on the official facebook page of HEMS.
2. Warning signs and symptoms of Skin Diseases and Heat Stroke
3. Tips to prevent Skin Diseases and Heat Stroke
4. Dissemination of RPNRU hotline thru emails and posting on official facebook page of HEMS for referrals and health concerns.
5. Continuously monitor the course of El Niño through DOST-PAG-ASA.
6. Disseminate accurate information to the public, local authorities, and relevant stakeholders through our social media pages and through dissemination of pertinent memorandum from DOH Central Office and other partner government agencies.
7. Health Operations Center operational 24/7 for monitoring of events within Western Visayas; RPNRU to facilitate the transfer or referral of patients to appropriate health facilities
8. Coordination with other NGAs such as the BFP, and other NGOs in prioritization of health facilities during episodes of water scarcity.
9. Participation in a multi-agency task force to coordinate efforts among government agencies, NGOs, local authorities, and community organizations.

## **PDRRMC Capiz**

1. Issued policies/resolutions/ordinance enacted to urge LGUs to prepare adaptation and mitigation measures in preparation to the effects of El Niño.
2. Supplemental livelihood measures/activities in communities for women and low-income families.
3. Planting of vegetables, easy-growing crops in communities in preparations for the scarcity of agricultural and food supplies.
4. Encourage storage of water in communities/homes.
5. IEC distribution, planting of trees, and other measures to keep GHG levels low in communities.
6. Conducts lectures on climate change and DRRM concepts and in health.
7. Monitoring on the effects of El Niño in the communities.

## **MDRRMO Madalag, Aklan**

1. Closely monitoring the weather situation and updates.
2. on standby duty teams.
3. Monitoring of water level in Guadalupe and Timbaban Bridges.
4. MAO have on standby vegetables seeds in case of requests from farmers.
5. MSWDO prepositioned 394 food packs, 77 kitchen kits, 47, sleeping kits, 47 family kits and 33 buckets of

hygiene kits.

## NEDA

1. Routine check to ensure that faucets, toilet flushes, and water lines including electrical devices are properly turned off after use.
2. Supplier of drinking water is required to submit annual laboratory result or as the need arises of the potability of their water as prescribed by the City Health Office.
3. Health advisory and verbal reminders on the ff:
  - a. hydration/drinking more fluids during humid days
  - b. wearing of protective clothing/hats and use umbrellas when going out of office between 9am-4pm
  - c. avoidance of strenuous physical activities at the hottest time of the day
  - d. turning on of air conditioning units at earlier than 9am and not later than 5pm at a temp below 24 degree celcius during hot days.

## MDRRMO Manapla

- Close monitoring of warnings and latest information concerning El Niño and its impacts from PAGASA
- Preparation of resources and equipment
- Close monitoring of any incidents of pests and diseases

### ENVIRONMENT AND AGRICULTURE SECTOR

- Conduct continuous monitoring and Information Education Campaign such as;
  - \* Conserve water usage and ensure an adequate source of clean water
  - \* Prevent burning of garbage and promote recycling
  - \* Proper Hydration to prevent heat stroke
  - \* Check the supply line for leaks
  - \* Cleaning of gutters

## Region 8



### Office of Civil Defense VIII

1. Continuous monitoring and dissemination of El Niño related advisories issued by DOST-PAGASA to RDRRMC member-agencies, stakeholders and LDRRM Offices concerned through SMS and social media accounts for further dissemination to their respective BDRRM councils.
2. Convened the RDRRMC member agencies and LDRRMCs for a regional PDRA ICOW El Niño on 10 May 2023.
3. Issued and disseminated RDRRMC Memo No. 05-005, s. 2023 with the subject Preparedness Measures and Effects of El Niño.
4. Issued and disseminated RDRRMC Memorandum No. 05-006, s. 2023 with the subject El Niño Alert.



### Police Regional Office VIII

1. Issuance of ORCADD(CA)-230508-0003 Memorandum with the subject Preparedness Measures and Effects of El Niño on 08 May 2023.



### Department of Social Welfare and Development Field Office VIII

1. Standby Fund of P3,658,750 for possible effects of El Niño in Eastern Visayas.
2. Prepositioned relief stockpile of 48,044 boxes Family Food Packs amounting to P32,643,215.40 and 22,902 units Non-Food Items amounting to P37,205,161.78.
3. Standby raw materials for Family Food Packs amounting to P737,973.00.
4. available human resource capacity of 3,135 employees.
5. Continuous monitoring of weather situation in the six provinces of Eastern Visayas thru PAG-ASA advisories.
6. Personnel are on regular duty at RROC for immediate response, if needed;

7. Close coordination with SWADTs, QRTs and PDOs in the field for immediate reporting and data gathering on any eventualities that may arise on ground.



## Department of Interior and Local Government (DILG)

1. Issuance and dissemination of Memorandum Circular No. 2023-065 with the subject Mitigation and Preparedness Measures for the El Niño Phenomenon 2023.
2. Issuance of advisory re the Dissemination of RDRRMC Memoranda: Memo No. 05-005 s. 2023 and Memo No. 05-006.
3. Issuance of Memorandum re Request for Data on LGU Compliance with DILG Memorandum Circular 2019-64.
4. Continuous monitoring of LGU Preparedness Actions for El Niño.
5. Conducted preparedness meetings, especially our C/MLGOOs, with their respective LGUs.
6. Mobilization of El Niño Task Force.



## Department of Agriculture Field Office VIII

1. Disseminated the forecast El Niño event to farmers for their reference guide on planting intention both wet and dry season, CY 2023 and 2024.
2. Massive campaign to LGU farmers on the preparation and protection for their health at the farm field.
3. Preliminary reminders during flag ceremony to all employees to be careful and cautious to avoid any effect on this very high temperature.



## Bureau of Fire Protection 8 (BFP)

1. Localized information drive re impacts of El Niño with emphasis on the increase risk of fire incidents.
2. Preventive maintenance checks and services of forest fighting tools and equipment.
3. Leyte Sab-a Basin visit in coordination with DENR and other agencies.
4. Hydrant Inspection and reporting of leaks to local water concessionaries for the subsequent repairs.
5. Prepared deployment plan.



## Department of Information and Communications Technology

1. Prepositioning of emergency communication assets across the region.

## Local Government Unit of Quinapondan, Eastern Samar

1. Issuance of Executive Order No. RSA-013, series of 2023: An Order Providing Policy Guidelines on the Use of Water within the Municipality of Quinapondan, Eastern Samar to mitigate and Prepare from the Adverse Effects of El Niño.



## National Irrigation Administration

1. Eleven (11) out of nineteen (19) National Irrigation Systems in the region has released irrigation supply to their respective service areas.
2. Advised farmers to adjust cropping calendars in preparation for the possible adverse effects of El Niño.
3. Establishment /re-establishment of canal gauging stations, clearing, desilting of irrigation canals and structures to enhance conveyance capacity.
4. Conduct of job enhancement trainings of O&M personnel on canal gauging and calibration.
5. Continuous monitoring of DAM water levels.



## Department of Education

- Prepared and submitted a copy of the agency's Contingency Plan for El Niño. They have identified three (3)

options for conducting classes: in-person, hybrid, and modular learning;

- Identified the need to provide drinking water, proper ventilation, and conducive learning facilities for in-person classes;
- Identified resources needed for hybrid and modular learning.

## **Region 9**

### **OCD IX**

1. In close coordination with ZCWD, DA IX, DENR IX, NIA IX and P/C/M/DRRMOs and for any significant updates and issues that may need immediate action;
2. Disseminated NDRRMC Memo No. 005 s. 2023 to RDRRMC IX member-agencies and local DRRMO's e-mails;
3. Conducted PDRA and Regional Preparations Meeting and Preparedness Measures for El Nino last 03 May 2023 via VTC;
4. Issued RDRRMC IX Memo No. 21 s.2023 dated 03 May 2023 re: Preparedness Actions and Precautionary Measures for El Niño Phenomenon in Region IX;
5. Issued RDRRMC IX Resolution No. 12 s. 2023 dated June 22, 2023 re: "A Resolution for the Establishment of Regional Task Force-Zamboanga Peninsula;
6. Attendance to El Niño Forum for Mindanao (virtual);
7. Consolidation of El Niño Team/s organized by LGUs and submitted to OCD IX;
8. Dissemination of El Niño Advisories to RDRRMC IX member-agencies and LGUs;
9. Presented the matters related to El Niño during the PDRRMC Meeting of ZDS last November 28, 2023;
10. Presented NDRRMC Memo no. 005 s. 2023 during the 4Q Preparedness Committee Meeting last December 06, 2023 to include the proposed structure of the El Nino Team in Region IX;
11. Conducted the RDRRMC IX Special Meeting on El Nino Phenomenon on February 7, 2024;
12. Heightened monitoring in the AOR on the effects El Niño in the region.

### **Department of Education IX**

Issued a memorandum to all schools nationwide re: implementation of modular distance learning as provided by DepEd memo no. 37 in the event of extreme /unfavorable weather conditions (to include El Nino)

### **Department of Social Welfare and Development IX**

- Sent memo to Satellite offices
- Reported on stand-by funds and prepositioned relief stockpile located in several strategic areas
- Continuously monitoring the daily weather forecast of PAGASA
- Ensures coordination with the response cluster member-agencies for logistics support
- The QRT members of the DRMD are ready to provide augmentation of services to affected farmers and their families
- Close coordination with the SWAD offices in the AOR to monitor of possible effects and ensure submission of reports
- Ensure availability of F/NFIS continuous production and
- Replacing of food packs
- Ongoing procurement of F/NFIS

### **Department of Agriculture IX**

1. Validation of reported Rice Vulnerable Areas (RVAs);
2. Monitored validated areas with reported damages on rice;
3. Revisited and updated the accomplishment in the implementation of ENAP.

### **Department of Interior and Local Government IX**

## **National Economic and Development Authority IX**

- Enjoin all Committees to prepare for El Nino during meetings
- NEDA IX installed Solar Panels in their Regional Office
- Water collection tanks in their Regional Office

## **Department of Health IX**

- Activation of 4 Clusters in Emergencies:
  1. Public Health
  2. Water Saturation and Hygiene (WASH)
  3. Nutrition in Emergency (NIE)
  4. Mental Health and Psychosocial Support (MHPSS)
- Preparation of Health Emergency Logistic and Commodities
  1. CAMPOLAS
  2. Jerry Cans
  3. Hygiene Kits
  4. Emergency Drugs and Medicine
  5. First Aid Kits (add: drug for hypertension)
- Composition of Health Emergency Response Team
- Manning of 24/7 Operations Center

## **Bureau of Fire Protection IX**

Issued an internal memorandum to their BFP units with the Subject: "Operational Preparedness and Observance of Precautionary Measures in Response to El Nino" dated 28 April 2023.

Hereunder are the actions taken:

- Checked the status of every fire hydrant located in the AOR
- Ensure operational readiness in case of conflagration
- Ensure availability of BFP assets and personal protective equipment at all times
- Continuous monitoring of PAGASA weather advisories and bulletins
- Strict observance of precautionary measures in responding to any untoward safety of all responders at all times and
- Ensure health and safety of all responders at all times.

## **Coast Guard District South Western Mindanao**

- Provided their hotline numbers in Region IX
- Quick Response Team composing of 235 personnel (SOG) prepositioned and on stand-by in various locations
- Assets ready for deployment: ambulances, rescue equipment, hand held radios, rubber boats and RHIB, vehicles, aluminum boat, vans, truck, motor banca, jetski, floating assets (MRRV)

## **ZDN – PDRRMO**

Plan to convene the PDRRMC on 12 May 2023 to discuss the mitigation of the effects of El Nino.

## **BJMP IX**

- Released memorandum to their local offices to minimize effects of El Nino
- Checklist on what to do
- Directed jail wardens to fully support and coordinate with local DRRMOs

## **PNP-MARITIME**

1. Submitted their hotline numbers
2. Submitted inventory of resources (available assets) that are ready for deployment

## **LGU – ZAMBOANGA CITY**

1. Continuous monitoring of the water supplies the AOR.

### **Zamboanga City Water District (ZCWD)**

1. Disseminated water rationing advisories thru facebook page and their website;
2. Implemented water rationing scheme at the West Coast and Central areas (PrimeWater-served areas) in Zamboanga City.

## **Region 11**

### **OCD XI**

- Issued Memorandum Order No.: 45, s. 2023 re Preparedness measures and effects of El Niño to all Provincial, City, Municipal DRRMCs and Concerned RDRRMC XI member-agencies;
- Conduct close monitoring of P/C/MDRRMO re possible effects of El Niño to all P/C/MDRRMOs and member agencies and
- Inclusion as one of the agenda items during the 2nd RDRRMC XI - TWG Meeting scheduled on May 19, 2023.

### **CDRRMO Digos**

- Convened for a Pre-Disaster Risk Assessment (PDRA) together with the CDRRM Council;
- Established the El Niño Task Force;
- Raised the Alert Status to Blue;
- Spearheaded by the Mayor re building of temporary water catchment basin in Ruparan, Digos City;
- Posting of PAGASA heat manifestation and conduct DOH/PRCs first aid awareness on heat related emergency and
- Continuous heightened monitoring re possible effects of El Niño.

### **Department of Health XI**

- Developed a Contingency Plan for El Niño
- Conducted risk assessment for hospitals and other health facilities for the current water system, power utility, and preparedness and response.
- Proposed to create El Niño TWG

### **Department of Agriculture XI**

- Creation/Reactivation of Disaster Task Force
- Retooling and Strengthening of Disaster Task Force
- Weekly Monitoring/Updating of local field conditions
- Validation of Planting Target/Standing Crops
- Conduct Information/Awareness Campaign
- Conduct of Regional Coordination Meetings, Trainings, Assessment, Consultation, and Reporting
- Bufferstocking of Agricultural Inputs
- Provision of Bio-Control Measures

### **Department of Energy XI**

- Continuous monitoring of demand and supply of power in Mindanao;

- Provision of energy emergency hotline numbers of distribution utilities in Region XI;
- Activation of the Task Force on Energy Resiliency(TFER) to ensure energy security;
- Provide weekly updates on the Power Outlook and
- Promote energy efficiency and conservation (EEC) through various media platforms.

## **PDRRMO Davao de Oro**

- Issuance of advance Advisories enjoining all MDRRMOs and their respective Barangays to take precautionary measures and mitigation activities thru Social Media;
- Continuous monitoring of weather updates and forecasts and El Niño Advisories from PAGASA and other web sites for triangulation purposes and
- Strengthening risk communication and localization of warnings and reminders to communities, adherence to the public health advisory for El Niño and minimum health standards for Covid-19 issued by the Department of Health.

## **Davao Occidental**

### **PDRRMO Davao Occidental**

- Provision of rescue vehicles and continuous monitoring on the effects of El Nino.

### **PAGRO Davao Occidental**

- Identification of water storage areas for
- Possible provision of vegetable, rice and corn seeds to possible affected farmers and
- Possible provision of assistance to fisherfolks particularly with fishponds.

## **MDRRMO Malalag**

- Conducted coordination meeting and PDRA re Effects of El Niño and Preparedness Measures (Agriculture, Marine/Aquaculture, Potable Water Supply, Environment, Fire Hazard, and Energy & Power Supply);
- Activation of EOC and essential response clusters;
- Prepositioning of logistical resources to support possible response activities in relation to El Niño;
- Continuous conduct of information and education campaign on El Niño and
- Drafted policy support for the El Niño preparedness and mitigation measures, and recovery programs and projects.

## **MDRRMO Compostela**

- To conduct consultation meetings with partner/relevant agencies for information sharing re El Niño effects and preparedness measures scheduled on May 28, 2023;
- To conduct Pre-Disaster Risk Assessment (PDRA) on May 31, 2023 and
- To formulate preventive measures and recovery plan.

## **MDRRMO Magsaysay**

- Issued an Executive Order on the creation of Task Force El Niño;
- Continuous monitoring and preparation of IEC materials for distribution to communities and posting through social media accounts;
- Establishment of fire prevention measures through regular conduct of fire safety inspections and information dissemination re El Niño effects in coordination with BFP Magsaysay;
- Inventory of functional irrigation systems, dams and waterways and establishment of food security programs through profiling and provision of assistance especially to the possible affected farmers in coordination with Municipal Agriculture Office (MAO) Magsaysay;
- Provision of necessary engineering measures to ensure sustainability of water and irrigation system through the Municipal Engineering Office (MEO) Magsaysay;
- Stockpiling of food items to be distributed to possible affected families through MSWDO Magsaysay;
- Prepositioning of health teams and conduct of El Niño health-related diseases Information and Education Campaigns through Municipal Health Office (MHO) Magsaysay; and



## CARAGA



### RDRRMC/OCD

- Issued RDRRMC Memorandum No. 20, s 2023, dated April 28, 2023, re: Dissemination of NDRRMC Memorandum No. 20, s 2023 on the Preparedness and Effects of El Niño;
- Issued RDRRMC Memorandum No. 21, s 2023 dated May 04, 2023 re: Dissemination of NDRRMC Memorandum No. 028, s 2023 on El Niño Alert;
- RDRRM Emergency Operations Center is on 24/7 for coordination, monitoring, and situational updates in the region.
- RDRRMC Memorandum Circular No. 55, s. 2023 Creation of the Regional El Niño Team

### DILG

- Issued Memorandum No. 2023-065 dated April 25, 2023, re: Mitigation and Preparedness Measures for the El Niño Phenomenon 2023 advising LGU's actions to address or mitigate the effects of El Niño such as Sanguniang Resolution or Ordinance relative to El Niño, Executive Orders, IEC Materials;
- Disseminated advisories, IEC materials, and other issuances from relevant agencies to LGUs.

### DSWD

- Prepositioned 51,305 family food packs (FFPs) worth Php 29,792,784.40 and other FNIs worth Php 24,618,212.65, in 18 warehouses in the 5 provinces of Caraga region;
- Prepositioned Php 5,000,00.00 worth of standby funds;
- Advised the SWAD Team Leaders to monitor and coordinate with LGUs on the possible effects of Drought/El Niño in their respective areas of responsibility;
- Advised the SWAD Team Leaders to monitor and coordinate with LGUs on the possible effects of Drought/El Niño in their respective areas of responsibility;
- Coordinate with the Department of Agriculture (DA) on the possible adverse impacts of El Niño to map out the appropriate interventions to be provided to the vulnerable areas;
- Conducted a meeting with RD, ARDO, and DRMD to discuss the possible effects of El Niño and the interventions to be provided to the possible affected LGUs;
- Prepositioning of food and non-food items to the LGUs;
- Continuous monitoring of the PAGASA Weather Outlook.

### DENR

- Conducted regular monitoring of areas with a high risk of forest fire particularly on brushland/grassland, peatlands, open and denuded areas;
- Conducted monitoring in all major tributaries and catchment areas of watersheds to determine the gradual decrease as to its water level;
- Conducted Communication, Education, and Public Awareness (CEPA) on the importance of water conservation;
- Immediate submission of any incident and/or negative meteorological impacts to different forestry sectors/projects.

### DOH

- Issued health advisories entitled "Beat the Heat" posted on official Facebook Page tailored to vulnerable individuals. Signs and symptoms of heat stroke were clearly stated in the post as tips on how to "Beat the Heat". An online Link was attached in the post for further information and education about heat stroke with the following categories Causes, Signs, and Symptoms, Management (Diagnostic, Treatment, & other care) and

Prevention and Control; and

- Informed the local government units through advisory letters which contained related hazards and health effects, specific common related and exacerbating diseases by the El Niño, specific effects, and vulnerabilities to water, sanitation & hygiene, health response, health impacts rapid report and tips on proper storage of water;

## **DOE**

- Activated Task Force on Energy Resiliency (TFER) to ensure energy security;
- Provides weekly updates on the Power Outlook; and
- Promotes Energy Efficiency and Conservation (EEC) through various media platforms.

## **PAGASA- BUTUAN**

- Monthly issuance of El Niño Impact Monitoring in Caraga Region;
- Daily formulation and issuance of 7-day localized weather outlook for Caraga Region (with integration of El Niño updates) uploaded to google drive and posted to Facebook, Messenger, and Viber group chats;
- Preparation and issuance of actual highest heat index and maximum heat index forecast for Caraga Region during the warmer season (April to May) uploaded to google drive and posted to Facebook, Messenger and Viber group chats;
- Dissemination and reposting of PAGASA products related to Climate and El Niño (climate outlook, climate advisories, climate advisories for Mindanao, and climate-related information) uploaded to google drive and posted to Facebook, and Messenger and Viber group chats;
- Repair, maintenance, and troubleshooting of all automated weather stations (AWS) and hydro-met sensors/stations within Caraga;
- Updating and distribution of IEC materials on understanding EL Niño (Soft copies only) through Google Drive.

## **Province of Agusan del Norte**

- Continuous monitoring and dissemination of El Niño Advisories issued by DOST-PAGASA and DOH to PDRRMC members and LDRRMCs via email and social media accounts;
- Requested concerned agencies to submit Contingency Plan/Implementing Plan re: EL Niño and present the same during the PDRRMC Full Council Meeting;
- The Provincial Social Welfare Department submitted recommendations for more healthy and productive employees of the Provincial Government of Agusan del Norte for approval during the PDRRMC Full Council Meeting.

## **Cabadbaran City, Agusan del Norte**

- On Alert and monitoring status;
- Cascaded El Niño information and Education Campaign materials, preparedness actions, and responses to AOR;
- Disseminated EL Niño relevant information during the conduct of the Caraga Region Athletic Meet (CRAM) at Cabadbaran City;
- Scheduled meeting for the preparation of the EL Niño phenomenon.

## **Jabonga, Agusan del Norte**

- On Alert and monitoring status;
- All barangays were informed thru the Municipal Agriculture Office about the EL Niño phenomenon;
- Stockpiling of rice for farmers needing assistance.

## **Las Nieves, Agusan del Norte**

- On Alert and monitoring status;
- Continuously disseminating El Niño Advisories, Reminders, Safety Tips, and Updates to social media accounts and barangay DRR Focal Persons;
- Deployment of responders during fiesta celebrations.

## **Tubay, Agusan del Norte**

- On Alert and monitoring status;
- Set a meeting with the MDRRMC cum Contingency Planning for El Niño.

## **Malimono, Surigao del Norte**

- Issued Executive Order No. 15 s, 2023 re: Organizing Municipal El Niño Task Force to Mitigate the Effects of the El Niño Phenomenon in the Municipality of Malimono, Surigao del Norte.

## **Surigao del Sur**

- Initiated Preparedness Plan for El Niño- Southern Oscillation (ENSO) in coordination with the Provincial DRRM Council Members, Local Government Units of Surigao del Sur, and other partner stakeholders.

## **Butuan City**

- A resolution adopted by Butuan City Disaster Risk Reduction and Management Council during the Second Quarter CDRRMC Full Council Meeting Held at CMO Conference 2, City Hall Compound, Butuan City on June 14, 2023
- CDRRMC Resolution No. 2023-007 series of 2023 - A Resolution Constituting the El Niño Task Force of Butuan City

# **CAR**

## **Office of Civil Defense-CAR**

Cordillera Regional Disaster Risk Reduction and Management Council, through the Office of Civil Defense-CAR

- Activation of the Inter-Agency Task Group (IATG) for the Reduction of Fire Incidents and Effects of El Niño in the Cordillera Administrative Region (CAR) on 18 February 2023, through the issuance of Cordillera RDRRMC Memorandum No. 08, s. 2023
- Conducted the Cordillera RDRRMC-IATG Pre-Disaster Risk Assessment (PDRA)/Coordination Meeting for El Niño and Fire Incidents on 08 March 2023
- Adoption of the IATG on El Niño Action Plan on 23 March 2023 during the 1st Quarter Cordillera RDRRMC Full Council Meeting
- Creation of the Regional IATG for El Niño Phenomenon chaired by the DA-RFO CAR
- Creation of the Regional IATG for El Niño Phenomenon chaired by the DA-RFO CAR

Office of Civil Defense – CAR

1. Manning of 24/7 Operations Center / Cordillera RDRRMC EOC in monitoring the Cordillera Administrative Region (CAR)
2. Conduct of civil defense and disaster risk reduction and management (DRRM) capacity buildings and trainings
3. Information Education Campaign (IEC), through SMS text blasting, social media, Emergency Broadcast System (EBS), and other means of communication
4. Provision of technical assistance and secretariat support to the IATG, member-agencies, and LGUs

Logistics Operations and Mobilization

5. Logistics coordination and communications to support related activities;
6. Provision of POL, as necessary, and
7. Prepositioning/Provision of non-food items (NFIs) to affected communities, as necessary

## **DOST-PAGASA Baguio Synoptic Station**

1. Continuous monitoring of weather and climate situation in CAR
2. Provision of vital information and/or warning/alerts for El Niño (immediate reporting of El Niño updates)

### **Department of Agriculture-RFO CAR**

1. Information, Education and Communication (IEC)
  - Conduct consultation on El Niño Events with attached agencies (NIA, BSWM, BPI and BFAR)
  - Information/awareness campaign on Climate outlook, EN status and advisories
  - Production/distribution of IEC materials
  - Conduct of training on silage making
2. Coordination/meeting with LGUs regarding use of firetrucks to irrigate corn areas affected by drought
3. Distribution of Pump and Engine Sets (from LGUs)
4. Distribution of Water Reservoir Tanks
5. Constant monitoring of PAGASA issuance on ENSO events such as EN Watch and EN Advisory signaling the warning of the Pacific Ocean for dissemination to LGUs
6. Regular weather observation and gathering of weather data on rainfall and temperature which are needed in monitoring local trends and localized drying conditions
7. Field monitoring and gathering/consolidation of damage reports
8. Provision of Crop Insurance
9. Upgrading of SSIP project such as Spring Development and Small Farm Reservoirs to include component on watershed development and maintenance (as part of mainstreaming CRA and SA policies)
10. Construction, repair and rehabilitation of diversion dams
11. Improvement of CIS canal linings to minimize water loss/leakage
12. Enhancement of water shed thru agro-forestry (using fruit plantation and industrial crops)
13. Establishment of rain water catchment tanks in the highlands and more SWIPs in the lowland areas
14. Mainstreaming of CRA technologies to LGUs thru the establishment of AMIA Climate Smart Villages or Climate Resilient Farming Villages as Model Farms
15. Construction of water tank for Animal housing
16. Provision of Plastic Drum
17. Procurement and Distribution of Pump & Engine Sets
18. Monitoring of Water Level in Dams/Rivers: Ambuklao, Ibulao, Chico, Magat, Apayao-Abulug River (weekly for 6 months)
19. Conduct of Cloud Seeding, if necessary
20. Irrigation Scheduling and perform water saving practices

### **Department of the Interior and Local Government – CAR**

1. Conduct of community participatory forum
2. Crafting of infographics on El Niño and Fire Hazards to be advertised through quadmedia platform
3. Assistance to LGUs in the enforcement of statutory and regulatory compliances
4. Remind LGUs in the efficient implementation of the processing of Business and Licensing System

### **Department of Health – CHD-CAR**

1. Medical assets (human, medicines, logistics and material resources) on stand-by
2. Health Emergency Response readiness to the Community, families and individuals
3. Stand-by psychosocial support program to affected community, families and individuals, if any
4. Provision of relief available, if necessary

### **Department of Environment and Natural Resources – CAR**

1. Conduct of intensified IEC campaigns on wild fire prevention

### **Department of Education – CAR**

1. IEC during General Homeroom PTA meetings, Brigada Eskwela, and other activities

2. Adjustment of learning modules/modalities, as need arises

### **Department of Tourism – CAR**

1. Inclusion of heat effects and measures in the conduct of Tour Guiding Seminars

### **Department of Information and Communications Technology – CAR**

1. Continuous operations and maintenance of the internet service to DENR through the Regional Govnet Program to aid in the fast dissemination of information for the Prevention and Reduction of the Effects of El Niño Phenomenon
2. Provision of an effective and timely emergency telecommunications services to support other clusters in carrying out their respective mandates safely and immediately and support in facilitating the flow of vital information and coordination activities in a timely manner through the provisions of connectivity, technical support, and other ICT related undertakings down to the local level

### **Mountain Province PDRRMC**

- Conduct of IEC campaigns on El Niño phenomenon
- Continuous coordination with other offices/member-agencies in strengthening preparedness

### **Department of Social Welfare and Development-CAR**

1. Monitoring of the incident through coordination of PATs with the concerned LGU and with MSWDO Mayoyao, Ifugao and Kibungan, Benguet.
2. Verified data received from SWADs.
3. The incident was referred to the DSWD-FOCAR Crisis Intervention Unit and Sustainable Livelihood Program.