

PERFORMANCE INDICATOR - December 31, 2019

Department: Department of Science and Technology (DOST)  
 Agency: Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)  
 Organization Code: 19 010 0000000

Particulars	UACS CODE	Physical Target (Budget Year)					Physical Accomplishment (Budget Year)					Variance	Remarks
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
WEATHER AND CLIMATE FORECASTING AND WARNING	31010000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicator													
1. Percentage of 81 provinces including Metro Manila		94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	-	
that have robust science-based weather related													
information and services in their disaster risk													
reduction plans													
Output Indicators													
1. Percentage accuracy of typhoon track forecast:		-	-	-	-								
error reduced to 100km for 24-hr forecast													
2. Percentage of timely weather and tropical cyclone		94%	94%	94%	94%	94%	100%	100%	100%	100%	100%	-	
warnings issued within fifteen (15) minutes of													
scheduled time													
3. Number of seasonal climate forecasts, climate impact assessment, tropical cyclone warning advisory (TCWA) for agriculture and farm weather forecasts and advisories issued		284	284	292	290	1,150	189	188	211	239	827	-323	For 2019, live interviews as requested by the local radio stations (such as PNA, DZRH, etc.) have ceased because of the availability of the farm weather forecasts and advisories at the PAGASA website and mobile app. This is the main reason why the target was not met and the accomplishment is only 72%.
4. Annual Mean 24-hour Forecast Track Error (in kilometers)		Typhoon- less than or equal to 100km; Tropical Storm - less than or equal to 120km	Typhoon- less than or equal to 100km; Tropical Storm - less than or equal to 120km	Typhoon- less than or equal to 100km; Tropical Storm - less than or equal to 120km	Typhoon- less than or equal to 100km; Tropical Storm - less than or equal to 120km	Typhoon - less than or equal to 100 km Tropical Storm - less than or equal to 120 km	No TC (Tropical Cyclone) of Typhoon and Tropical Storm Intensity entered PAR	No TC (Tropical Cyclone) of Typhoon and Tropical Storm Intensity entered PAR	Typhoon - 100% (67.5km); Tropical Storm - 100% (114.5km)	Typhoon - 100% (94km); Tropical Storm - no Tropical Cyclone of Storm Category entered the PAR	89km	-	
Locally-Funded Project(s)													
Providing High Resolution (5km) Climate Change Projections in the Philippines Using Weather Research and Forecasting (WRF) Model	310100200008000	51%	65%	90%	100%	100%	39%	62%	80%	Suspended due to site dependency - electrical power not available	80%		



PAGASA Meteorological Information System Application Performance Management (APM) with Secure Edge Connectivity	310100200009000	30%	60%	97%	100%	100%	25%	30%	45%	85%	85%		
PAGASA Unified Meteorological Information System (PUMIS) Storage Expansion	310100200010000	30%	60%	97%	100%	100%	25%	30%	45%	90%	90%		
Identity and Access Management with Active Directory for Databas Management System	310100200011000	30%	60%	97%	100%	100%	25%	30%	35%	45%	45%		
Improved Data Analytics on Weather Forecasting	310100200012000	17%	44%	58%	100%	100%	11%	26%	35%	50%	50%		
FLOOD FORECASTING AND WARNING PROGRAM	31020000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicator													
1. Reduced number of casualties		0	0	0	0	0 casualty	-	-	-	-	-	-	
Output Indicators													
1. Number of timely and accurate flood warnings issued		550	400	750	620	2,320	168	49	606	444	1,267	-1,053	The targeted values were based on the recorded accomplishment for the last six (6) years, 2013-2018. The cut-off was 2018 since the report was submitted at the end of first quarter of 2019. The computed value was 2,379. HMD (together with River Centers/PRSDs) targeted 3,000 with the aim of providing more than enough warnings and information to the general public as well as specific end-users (DRRMOs, dam management, public utilities providers, public sector, etc.). Unfortunately, the El Niño phenomenon went full blown in the succeeding months. Thus, the actual annual accomplishment
2. Percentage of timely flood warning issued within fifteen (15) minutes of scheduled time		94%	94%	94%	94%	94%	95%	94%	95%	95%	94.75%	-	
3. Number of hazard maps developed/generated/updated		-	2	-	2	4	0	0	0	15	15	-	
RESEARCH AND DEVELOPMENT ON ATMOSPHERIC,	31030000000000												
OO : Enhanced safety and resiliency of Filipinos to disaster													
Outcome Indicators													
1. Percentage of stakeholders who rated the forecasting capability services as satisfactory or better		90%	90%	90%	90%	90%	90%	91%	95%	93%	92.15%	-	
2. Percentage increase of LGUs that use the hazard maps		80%	80%	80%	80%	80%	100%	100%	100%	100%	100%	-	
Output Indicators													
1. Number of researches/studies completed/published/operationalized and development of real innovative/pioneering projects		-	2	-	1	2	6	0	0	1	7	-	
2. Percentage of involvement on the localization of instruments, facilities and models through innovation, collaboration and linkages		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	-	
3. Number of technical assistance on actions/policies adapted by the LGU		10	10	10	10	40	18	5	15	17	55	-	

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Recommending Approval:

Approved By:

**CRISTIAN D. SANVICTORES**  
Chief, PPDU

**JOSE DANIEL C. SUAREZ**  
Chief, FPMD

**VICENTE B. MALANO, Ph.D.**  
Administrator