

# I. PHILIPPINE ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL SERVICES ADMINISTRATION

## STRATEGIC OBJECTIVES

### SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated
3. Ecological integrity ensured and socioeconomic condition of resource-based communities improved through sustainable integrated area development

### ORGANIZATIONAL OUTCOME

Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events .

### PERFORMANCE INFORMATION

#### ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

#### BASELINE

#### 2019 TARGETS

Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events

#### **WEATHER AND CLIMATE FORECASTING AND WARNING PROGRAM**

##### Outcome Indicator

1. Percentage of 81 provinces including Metro Manila that have robust science-based weather related information and services in their disaster risk reduction plans

26.81%

94%

##### Output Indicators

1. Percentage of timely weather and tropical cyclone warnings issued within fifteen (15) minutes of scheduled time
2. Number of seasonal climate forecasts, climate impact assessment, tropical cyclone warning advisory (TCWA) for agriculture and farm weather forecasts and advisories issued
3. Annual Mean 24-hour Forecast Track Error (in kilometers)

90%

94%

427

906

100 km

Typhoon - less than or equal to 100 km  
Tropical Storm - less than or equal to 120 km

#### **FLOOD FORECASTING AND WARNING PROGRAM**

##### Outcome Indicator

1. Reduced number of casualties

-

0 casualty

##### Output Indicators

1. Number of timely and accurate flood warnings issued

2,266

3,000

2. Percentage of timely flood warning issued within fifteen (15) minutes of scheduled time	97.62%	94%
3. Number of hazard maps developed / generated / updated	4	4

**RESEARCH AND DEVELOPMENT ON ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL AND ALLIED SCIENCES PROGRAM**

**Outcome Indicators**

1. Percentage of stakeholders who rated the forecasting capability services as satisfactory or better	80%	90%
2. Percentage increase of LGUs that use the hazard maps	50%	80%

**Output Indicators**

1. Number of researches / studies completed / published / operationalized and development of real innovative / pioneering projects	8	7
2. Percentage of involvement on the localization of instruments, facilities and models through innovation, collaboration and linkages	100%	100%
3. Number of technical assistance on actions / policies adapted by the LGU	1	98