



# Mobile Development of Philippine Rainfall Outlook Through Data Driven Documents and Web-View Applications

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# PAG ASA



PAGASA MODERNIZATION ROAD MAP TOWARDS A WORLD CLASS ATMOSPHERIC/METEOROLOGICAL-HYDROLOGICAL AGENCY

WEATHER Advisories

RAINFALL and THUNDERSTORM Warning

FLOOD Info/Warnings

CLIMATE Advisories

ASTRONOMY Info

Products and Services

- Weather Forecasts from Numerical Prediction Model
- Flood Monitoring for Metro Manila
- Risk Map
- Flood Hazard Map
- Regional Severe Wind Hazard Maps

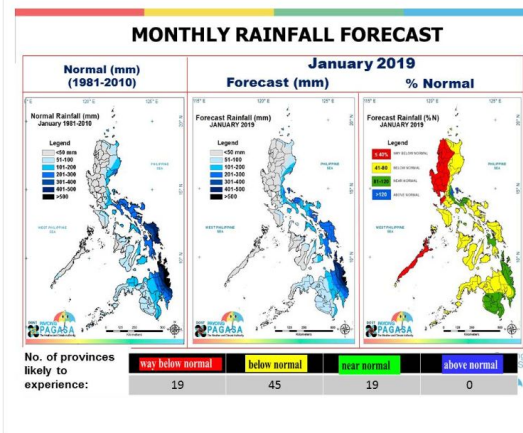
Related Linkages



August 2018 | September Press F11 to exit full screen | November 2018

December 2018 | January 2019 | February 2019

Forecast Rainfall Analysis | Probabilistic Rainfall Forecast



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NOTICE OF DISCLAIMER

PAGASA app on Android

The latest version of the official PAGASA app can now be downloaded on Google play store

Tweets by @dost\_pagasa



Thunderstorm Information #NCR\_PRSD  
Issued at: 10:00 AM 12 November 2018

Thunderstorm is LESS likely to develop over National Capital Region within 12 hours. However, all are advised to continue monitoring for updates.

THUNDERSTORM LEVELS		
Level	Symbol	Meaning
Advisory		Thunderstorm threatens specific areas within Metro Manila Region



# Objective

Provide a mobile application for the Rainfall Outlook of the next six months based on the look and feel of the same app in the SARAI website.

# Russia Hydrometcenter

HYDROMETCENTER OF RUSSIA  
About the weather - at first hand

ForecastsActual dataClimateAround the WeatherAbout us

> Forecast model description

> Potential seasonal predictability - results of SMIP-2 experiments

> Long Range Forecast Verification Methodology

> On communicating forecast uncertainty

Climate of capitals of the world

Monthly climate means for towns of Russia - Temperature and Precipitation

Daily norms of air temperature for Moscow

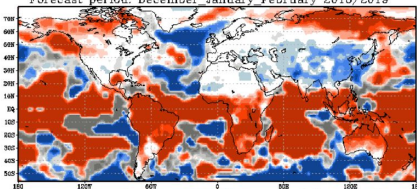
Maps of monthly means and anomalies of meteorological values over the Northern hemisphere for the previous month

Assesment report on climate change and its consequences in Russian Federation - general summary

SEASONAL FORECAST WITH 1-MONTH LEAD TIME


! Although this product is issued on regular basis it is important to be aware of its imperfection.  
! Please take into account the skill maps to understand limitations of this forecast.

Composite probabilities of categorical forecast outcomes for T2m seasonal anomalies (grad K). Producer: HMC  
Forecast period: December January February 2018/2019



Below normal  
Near normal  
Above normal

Composite probabilities of categorical forecast outcomes for T2m seasonal anomalies (grad K). Producer: HMC  
Forecast period: December January February 2018/2019





< 1 mm 20% chance of rain	< 1 mm 20% chance of rain	< 1 mm 20% chance of rain	< 1 mm 20% chance of rain	< 1 mm 20% chance of rain	< 1 mm 10% chance of rain	< 1 mm 10% chance of rain	< 1 mm 10% chance of rain
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MORE

## Rainfall Outlook

(November 2018 - April 2019)

Know the 6-month rainfall forecast of municipalities with arable and cultivated land based on land cover classification of DA-BAR.

Source: SEAMS; NOAA-Climate Prediction Center

PROVINCE

MUNICIPALITY

Laguna ▾

Los Baños ▾



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## MONITORING

Weather

Rainfall Outlook

Suitability

Advisory

# Rainfall Outlook

(November 2018 - April 2019)

Know the 6-month rainfall forecast of municipalities with arable and cultivated land based on land cover classification of DA-BAR.

Source: SEAMS; NOAA-Climate Prediction Center

PROVINCE

MUNICIPALITY

SELECT THEME

Laguna ▾

Los Baños ▾

Theme 1 (Shades of blue) ▾

Nov	Dec	Jan	Feb	Mar	Apr
341 mm	386 mm	120 mm	63 mm	89 mm	73 mm

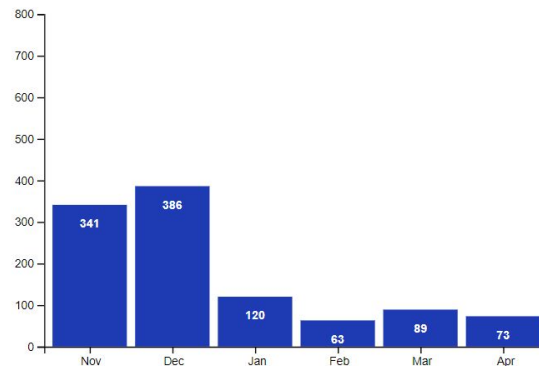
### AGRITIPS

If rainfall is **more than 100mm**, planting corn is advisable. If rainfall is **more than 200mm**, planting corn and rice is advisable.

### LEGEND

- < 100 mm
- 100-250 mm
- 250-500 mm
- > 500 mm

Provincial Average Rainfall Data: Laguna





# Technologies Used

PhoneGap, HTML, CSS, JavaScript, D3JS, Apache Cordova,

