



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT FOR ENVIRONMENT & CLIMATE CHANGE

KENYA METEOROLOGICAL SERVICE AUTHORITY

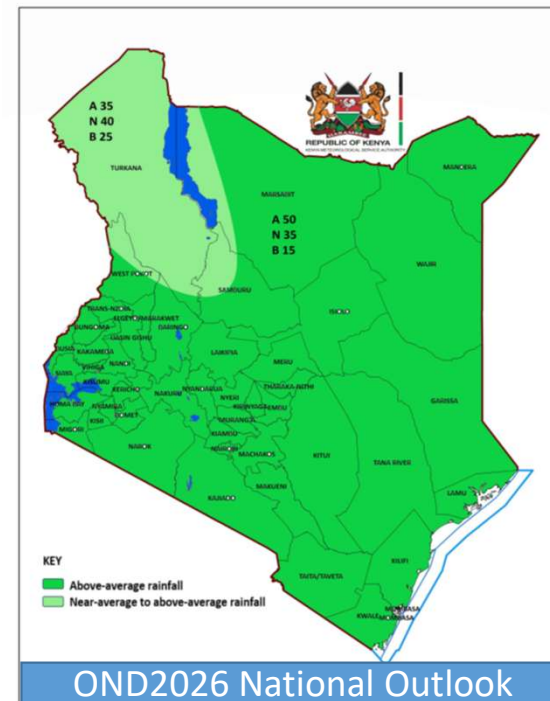
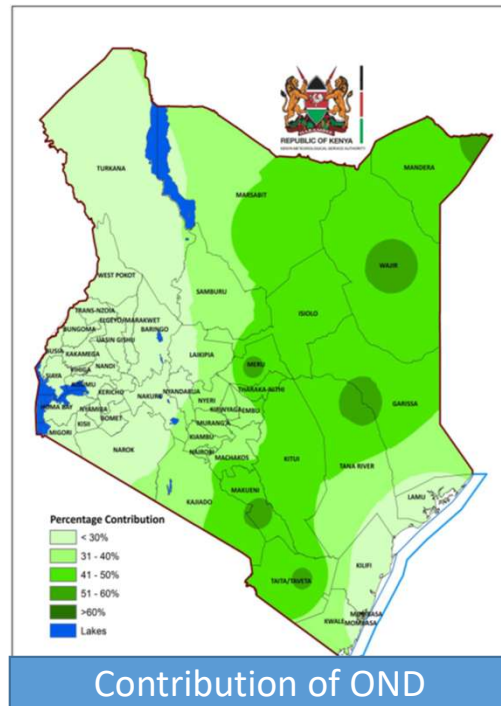
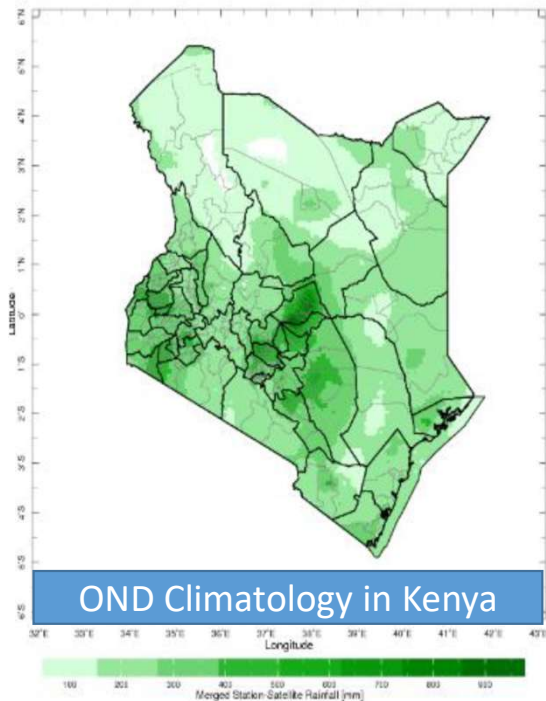
October November December (OND2026) Season Forecast

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01 September, 2026

October November December (OND)Season

- OND (short rains) season contributes nearly 30% – 60% annual totals
- National Outlook indicates **Above Normal Rainfall** over most Places



OND2026 Season Outlook in Laikipia County

- The review of the June July August (JJA) rainfall performance indicates below Normal rainfall over all places in Laikipia County. However the observations depicts that on average temperatures were slightly warmer than the mean for most places within the County.

❑ Forecast for the OND2026 Season

- The climate outlook for the OND2026 'Short Rains season' showed that Laikipia County is likely to record **Normal to Above Normal rainfall**
- The downscaled Model forecasts indicated the likelihood of total rainfall amounts **greater than long-term mean (LTM) for the season** over most places in Laikipia North, East and West (**Fig. 1**)
- The predicted forecast scenarios indicates chances of **50% Above Normal, 35 % near Normal and 15% Below normal** rains
- The mean temperatures for the OND2026 season are predicted to be **warmer than average** for most of the season
- Analysis of the standard precipitation index (SPI) forecast for the OND2026 season indicates mainly low probabilities of the occurrence of mild, moderate or even a severe drought events.

❑ The key drivers associated with the OND season in Kenya

- Southern Migration of the Intertropical Convergence Zone (ITCZ) mainly associated with the influx of warm humid air with generally small variations in the day to night time temperatures.
- **Positive El Nino Southern Oscillations (ENSO) – +ve El Nino signal** over the Central and Eastern Equatorial Pacific Ocean
- Positive (+ve) Indian Ocean Dipole (IOD) associated with **slightly warmer than average** Sea Surface Temperature Anomalies (SSTAs) in the western Indian Ocean.
- **Note;** a +Ve IOD coupled with a +Ve ENSO is normally associated with above normal rains over our region. *Currently the observations indicate a very strong (+Ve El Nino) but the IOD is in the neutral phase. So that during the month of September the IOD is expected to increase in magnitude to the **positive threshold** necessary to enhance the performance of the predicted Above Normal OND2026 rains.*

❑ **Distribution;** The OND2026 rainfall is expected to be **fairly to well distributed both in time and space over several places.** *This prediction is based on the analysis of both the dynamical model outputs and the statistical analysis of selected years. Recent observations in 2026 shows a very close characteristics to the year 2015 climate data (Analogue year) pointing to a **fair to good** rainfall distribution patterns.*

- ❖ **NB;** There are intraseasonal drivers of variability, such as the Tropical cyclones and the Madden-Julian Oscillations (MJO), that are only predictable at **shorter lead times.** Occurrence of such drivers may greatly impact the patterns of the predicted OND2026 Rains.
- ❖ ***It is therefore important to keep track with the weekly weather forecast updates and any seasonal forecast advisories for the likely changes in the predicted forecast scenarios.***

Fig1; OND LTM VS OND2026 RAINFALL FORECAST

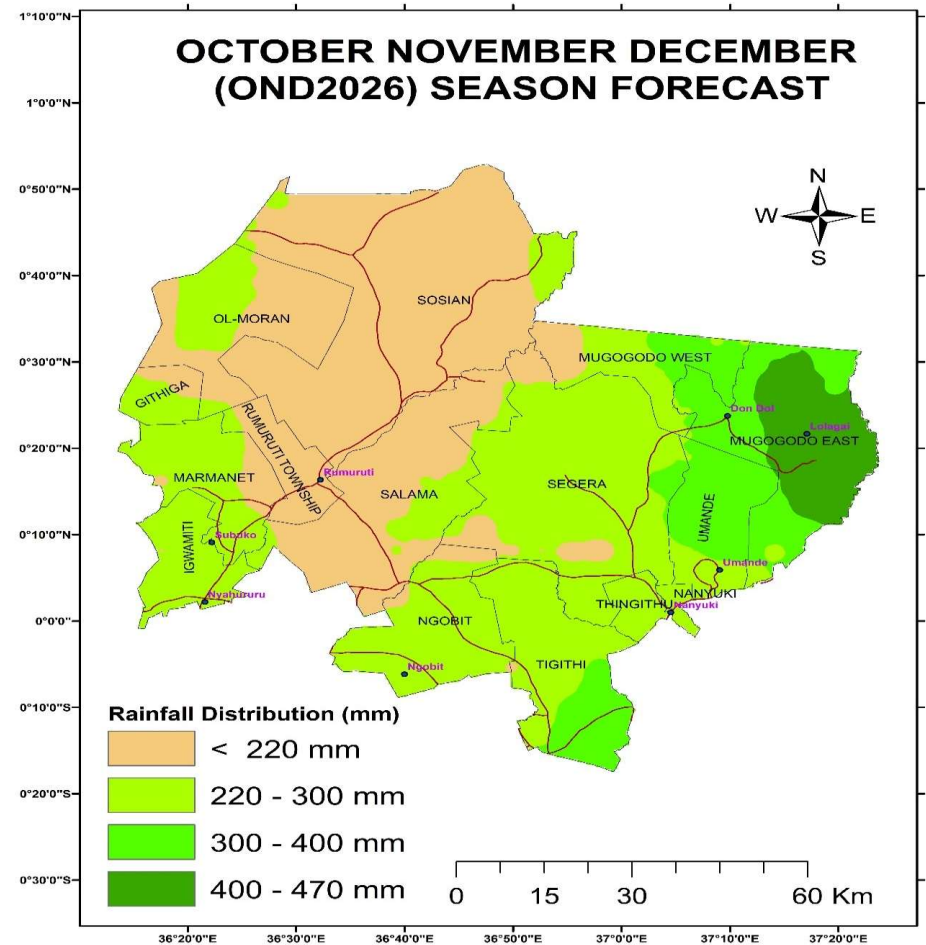
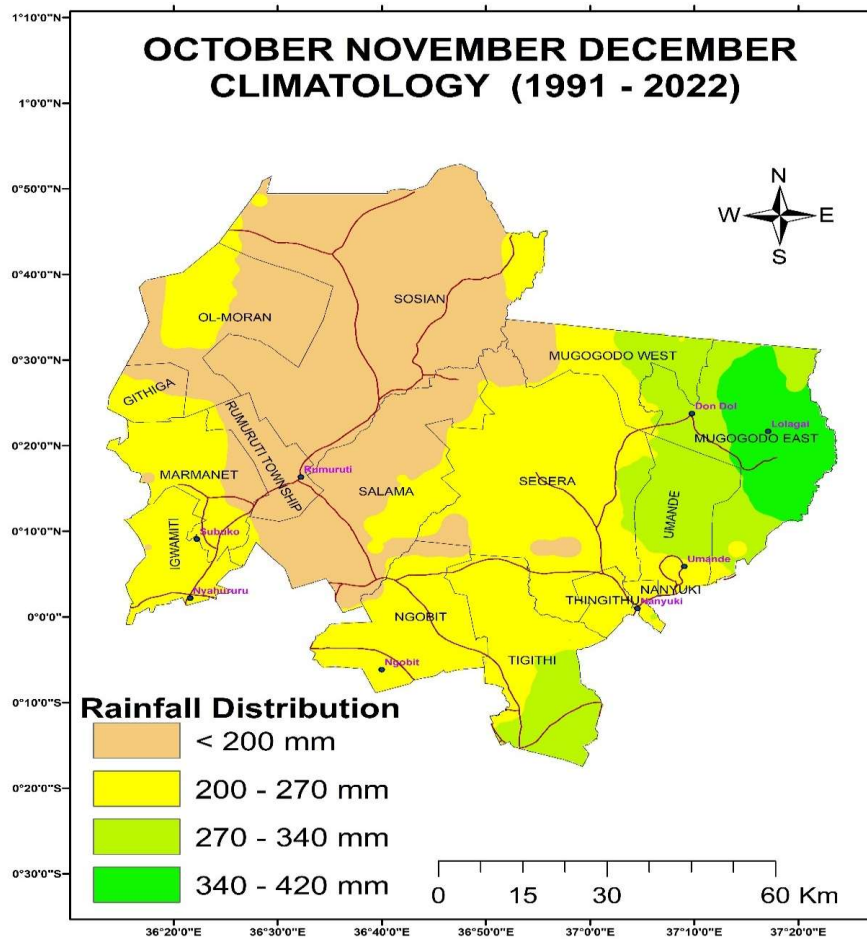
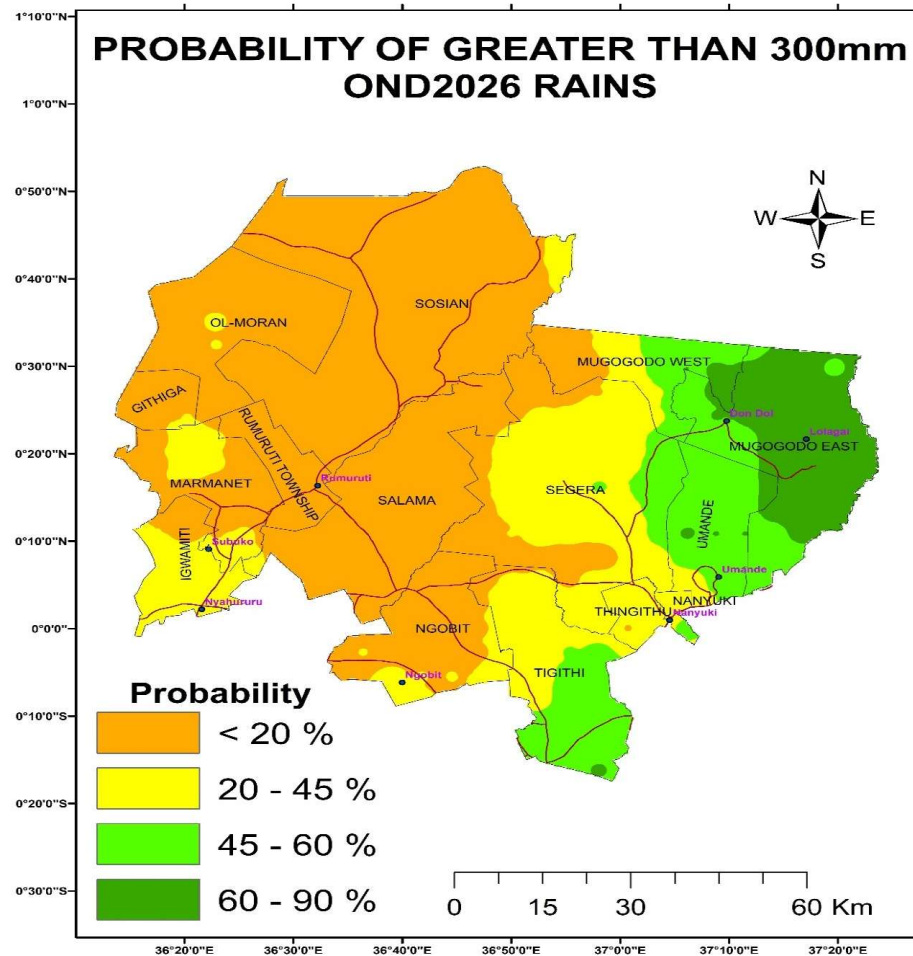


Fig 2; PROBABILITY OF GREATER THAN 300mm



Model Scenarios(Probability) OND2026

- 50% Above Normal (AN)
- 35% Near Normal (NN)
- 15% Below Normal (BN)
- This data indicates tendency to Above Normal rains
- Exceeding 300mm and when fairly distributed, results to a good seasonal performance
- Stations in Laikipia East and parts of Mkogondo East and West had between 45% to 90% chances of recording greater than 300mm in the OND2026 rains

Predicted Onsets, Cessation & the Distribution of the OND2025 Rains

REGION	Expected ONSETS	Predicted CESSATION	Distribution
Laikipia West	Rainfall to continue from September Major onsets from 2nd to 3rd Week of October, 2026	Rainfall likely to January 2027	Fair to good
Laikipia North & Laikipia East	Mainly in the 2 nd to 3 rd week of October, 2026	Rainfall is likely to continue in January 2027	Fair to good

Summary

- The OND2026 season is forecasted to record Above Normal rains with fair to good distribution patterns.
- Both the dynamical models and the statistical (analogue year) analysis indicate **fair to good rainfall** distribution patterns.
- It is therefore advised to all stakeholders to consult with the relevant government departments for planning and decisions into coping and adaptation strategies prior, during and after the predicted rains

➤ Opportunities Vs Risks

- Opportunity for rainfall water harvesting , pasture rejuvenation crops and enterprises
- Advisories on climate smart agricultural practices and the appropriate seed varieties to optimize on the predicted rainfall scenarios
- High risk of flash floods and inundation of the riverine areas, swamps and unplanned settlement areas
- Avoid sheltering under trees and flooded spaces during periods of heavy thunder and lighting events
- Watch out for possible flash floods, landslides in the steep slopes adjacent to Mt. Kenya and other steep areas, damage to infrastructure and increased erosion in the fields
- Mitigation... Keep tracking the 24hr forecast, weekly updates/advisories as early warnings for anticipatory actions/preparedness to safeguard **safety of life and property** (stay and remain safe)

Analogue year (2015) OND Observations

Year	2015				2016	2015 OND Totals	OND Mean
Stations	Sept	Oct	Nov	Dec	Jan		
Nanyuki MET	26.5	56.9	200.6	36.9	126.5	294.4	200 - 270
Lamuria	26	70.3	133.2	158.7	152.6	362.2	200 - 270
						294.4	
Mugie	0	0	116.5	61.5	134	178	< 200
OI Moran	39	50	157	129	51	336	< 200
Sosian	19	24	172	122	63	318	< 200
OI Jogi HQ	10.9	4.9	209.6	54.3		268.8	< 200
Borana HQ	4	22.5	228.5	61	74	312	200 - 270
S. Marmanet KFS	62.3	64.2	118	142.3	77.1	324.5	200 - 270
Singore Forest	48.4	221.3	373.4	128.2	47.1	722.9	200 - 270

End

**Thanks for choosing KMSA for early warning and anticipatory actions
for safety of life and protection of property.**