



SADC-CLIMATE SERVICES CENTRE TROPICAL CYCLONE ADVISORY

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RAINFALL SEASON: 2023/24

Headline: Tropical Cyclone FILIPO is projected to make landfall over central Mozambique, affecting parts of eastern Zimbabwe, eastern South Africa and Eswatini before moving back into the ocean and becoming an extra-tropical cyclone.

Analysis of model outputs from the following sources: European Centre for Medium Range Weather Forecasting (ECMWF), Joint Typhoon Warning Centre (JTWC), Regional Specialized Meteorological Centre (RSMC) La Reunion, Zoom-Earth (ICON & GFS) and the SADC Climate Services Centre WRF-GFS, show that a **Tropical Cyclone FILIPO has developed over the Southwestern Indian Ocean basin and has recorded winds speeds of 65 km/h gusting to 80 km/h**. The tropical system is currently expected to affect **Mozambique** and indirectly impact **Eswatini and South Africa**.

WARNING ZONE

The tropical cyclone forecast track shows that FILIPO (Figure 1) will make direct impact over **Mozambique**, and indirectly affect **Eswatini and South Africa** from 11 to 13 March 2024 (according to RSMC La Reunion - appendix) and thereafter move southward towards the extra tropics.

Other parts of the region likely to experience extreme precipitation during the same period include, parts of **Angola, DRC, Zambia, Malawi, Tanzania, Mozambique, South Africa, and Eswatini** as shown in Figure 1 below.

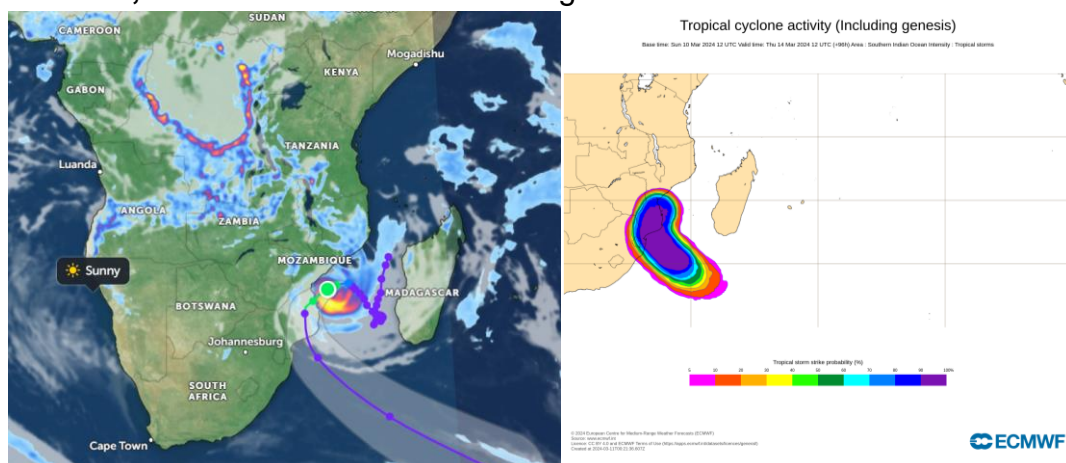


Figure 1: Heavy rainfall expected over the SADC region due to Tropical Cyclone (FILIPO) and other weather systems during the period of 11-15 March 2024 (Source: Zoom-Earth and JTWC (tracks)) and ECMWF tropical cyclone activity plot

RECOMMENDED ACTION

National Meteorological and Hydrological Services are requested to closely monitor these events and update relevant institutions such as Disaster Risk Management Agencies at Member States level to support anticipatory action, preparedness and response measures to protect lives and property.

Users are strongly encouraged to consult the National Meteorological and Hydrological Services (NMHSs) in Member States for interpretation of this advisory and local warnings and alerts.

NEXT ADVICE

The next advisory will be issued as and when there is an evolution of tropical systems over the **Southwestern Indian Ocean basin** (*which extends from the equator to 40S and from the African coastlines to 90E*), that are likely to have a direct impact on SADC Member States.

For more information contact:

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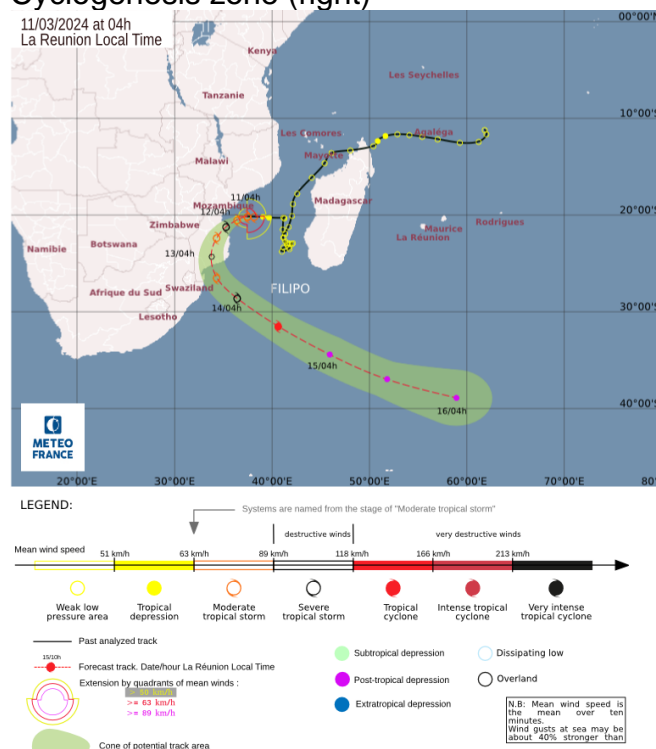
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Appendix: RSMC La Reunion projected tropical cyclone track (left) and Cyclogenesis zone (right)



WARNING:
The potential track area depicts the track forecast uncertainty for days 1-5 of the forecast. It indicates that the entire 5-days path of the center of the tropical system for which the track forecast has been made will remain within the cone about 75% of the time.

Hence being situated outside of the uncertainty cone does not mean that there is no risk of being affected by the system, especially so since the uncertainty cone is for the storm's center and does not consider the more or less large extension of potential damaging winds or rain surrounding this center.

http://www.meteo.fr/temps/domtom/La_Reunion/webcmrs9.0/anglais/index.html

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