



## SADC-CLIMATE SERVICES CENTRE TROPICAL CYCLONE ADVISORY

ISSUE NUMBER: 10

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RAINFALL SEASON: 2023/24

**Headline:** Tropical Storm HIDAYA is projected to make landfall over coastal areas of Tanzania as it moves northwards.

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 Storm HIDAYA** has developed over the **Southwestern Indian Ocean basin** and has recorded maximum sustained surface winds above 74 km/h (40 knots), gusting at 102 km/h (55 knots) and with a minimum sea-level pressure estimated to be near 995 hPa. The tropical system is currently expected to directly affect **Tanzania** and indirectly affect **Comoros and Mozambique**. Tropical storm HIDAYA is projected to make landfall over the southern coast of Tanzania overnight on **03 May 2024**. Extreme rainfall is expected from the passage of HIDAYA over parts of Tanzania.

Other weather systems are likely to affect the **Seychelles** during the period 02 to 05 May 2024.

### WARNING ZONE

The tropical cyclone forecast shows that **Tropical Storm HIDAYA** (Figure 1) will make direct impact over parts of **Tanzania** and indirectly affect **Comoros and Mozambique** between 02 and 05 May 2024 (according to RSMC-La Reunion and JTWC tracks).

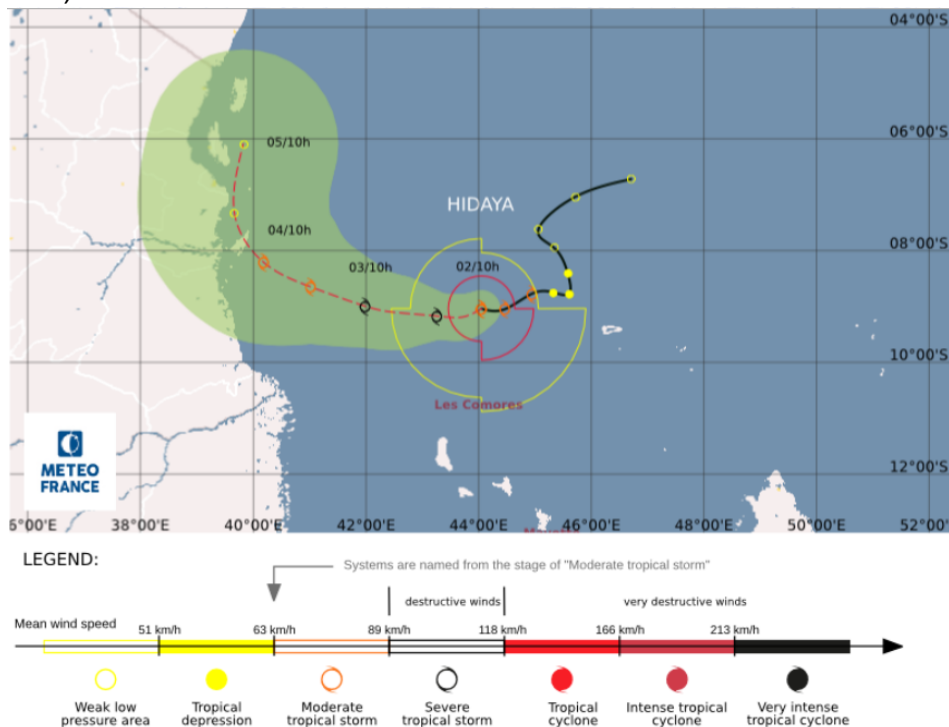


Figure 1: Heavy rainfall expected over the SADC region due to Tropical Storm (HIDAYA) and other weather systems during the period of 02 – 05 May 2024 **Source:** RSMC-La Reunion projected cyclone track.

## 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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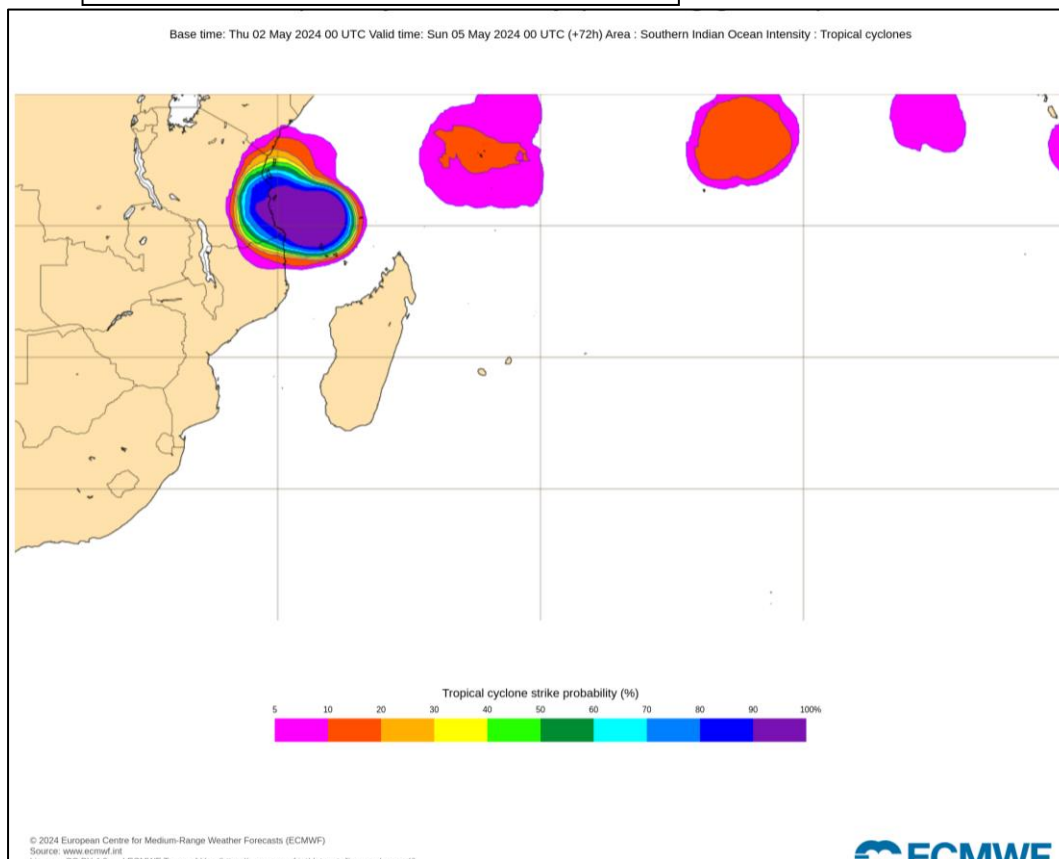
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## **Appendix:** ECMWF projected tropical cyclone cyclogenesis

Valid for: 02 to 05 May 2024



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