



## SADC-CLIMATE SERVICES CENTRE TROPICAL CYCLONE ADVISORY

ISSUE NUMBER: 05 RELEASE DATE: 13/01/2025

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RAINFALL SEASON: 2024/25

**Headline:** Tropical Cyclone “Dikeledi” has evolved in the Southwestern Indian Ocean basin and has made landfall over northern Madagascar and Comoros and over the north coastal areas of Mozambique and is further projected to impact southern west coastal areas of Madagascar by the 16<sup>th</sup> and 17<sup>th</sup> January 2025.

### SUMMARY

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, and the SADC CSC WRF-GFS show that **Tropical System 05 of 2024/25 has evolved Tropical Cyclone “Dikeledi”** recording maximum average wind speeds of 130 km/h (70 knots) as it made landfall over northern Mozambique with a minimum sea-level pressure estimated to be near 982 mb.

### WARNING ZONE

The observed track shows that **Tropical Cyclone “Dikeledi”** (Figure 1) has made direct impact over **northern parts of Madagascar, Comoros and is currently over north-eastern parts of Mozambique** and is further forecasted to directly affect **southern parts of Madagascar** as it moves south eastward. Other parts of the SADC region expected to receive heavy rainfall due to other weather systems are central-south DRC, northern and central Malawi, northwest and southeastern Zambia, mot of Zimbabwe, eastern Botswana, eastern South Africa, southwestern Madagascar and central to southern Mozambique.

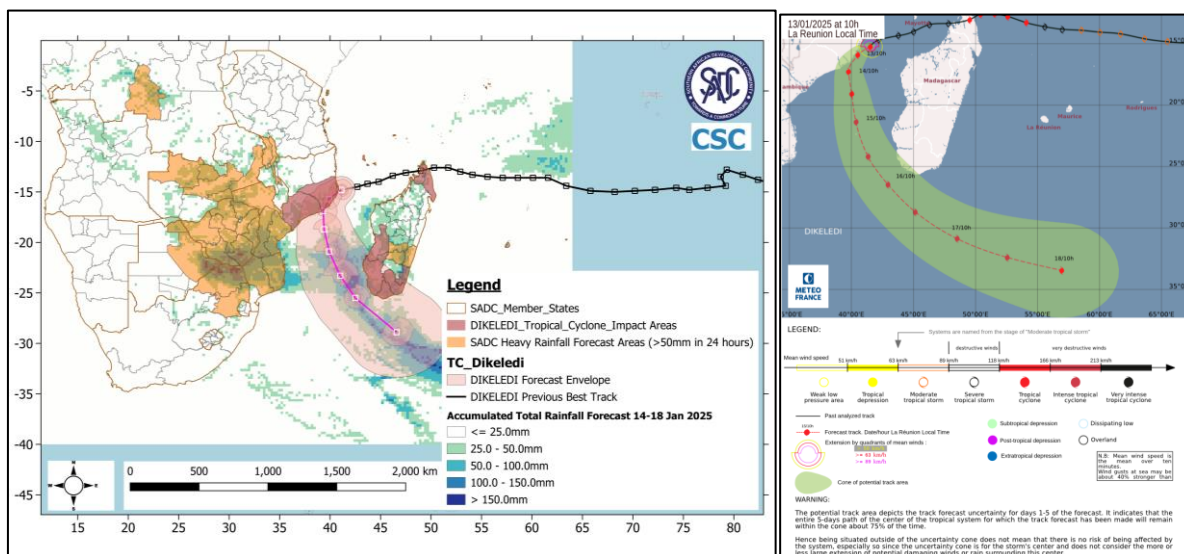


Figure 1: Heavy rainfall expected over the SADC region due to Tropical Disturbance 05S and other weather systems during the period of 14 – 18 January 2025 (Source: ECMWF, ICON, SADC-CSC WRF-GFS and JTWC (tracks)) and RSMC-La Reunion projected tropical cyclone track (right)

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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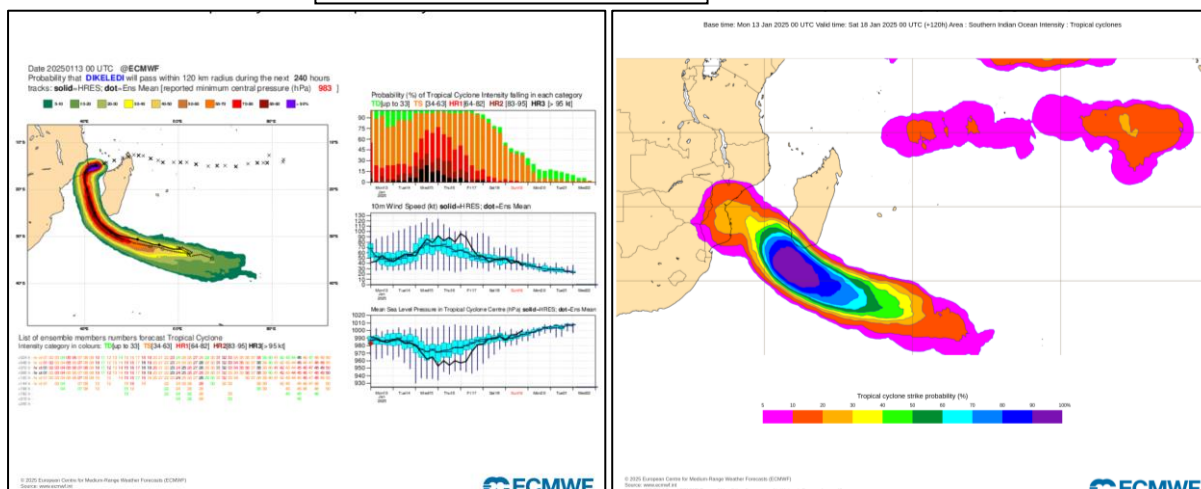
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## Appendix: ECMWF tropical cyclone track and cyclogenesis

**13 January 2025**



[ECMWF | Charts](#)

## NOTE:

This bulletin used forecast data obtained from RSMC La Reunion, JTWC, ECMWF and SADC-CSC.

**Users are therefore, urged to consult the local National Meteorological and Hydrological Services (NMHSs) for local conditions and detailed interpretation of the contents of this bulletin.**

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INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



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