



MINISTRY OF NATURAL RESOURCES AND CLIMATE CHANGE
DEPARTMENT OF CLIMATE CHANGE AND METEOROLOGICAL SERVICES

Event Title

DOWNSCALLING OF 2025/2026 RAINFALL SEASON

Event Type

Workshop

Relevant Projects

- The session comes after the Department developed a unified national forecast and is being sponsored by Resilience and Preparedness to tropical cyclones across Southern Africa (REPRESA)

- OBJECTIVES

- Build national capacity for downscaled forecasting
- Equip participants with practical skills to run forecasting tools like CFT, PyCPT, WRF, and machine learning methods.
- Strengthen data handling, post-processing, and mapping techniques to generate high-quality downscaled seasonal forecasts for Malawi.

Event Begin Date

18th to 22nd August 2025)

Location

- Mango Lodge, Zomba

Description

The downscaling seasonal forecast, comes after the generation of national forecast in order to provide more localized and accurate predictions. DCCMS has been downscaling seasonal forecasts up to TA level for more than 5 years now. Downscaled forecasts are crucial for disaster preparedness as they are a representation of local weather patterns, particularly those influenced by topography. The outputs of the session will include the ensemble forecasts for rainfall and temperature for each district in Malawi at TA level.



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Organisers / DCCMS Focal Points

Resilience and Preparedness to tropical cyclones across Southern Africa (REPRESA) is an international collaborative effort involving partners across southern Africa, the UK and other European countries. It is co-led by the Global Change Institute at the University of the Witwatersrand (WITS) in South Africa, Eduardo Mondlane University (UEM) in Mozambique, and the University of Bristol (UoB) in the UK.

The research process will co-develop and enhance anticipatory governance structures for flood and tropical cyclone risk management in local communities in Madagascar, Malawi and Mozambique. This includes early warning dissemination and scenario-based community-specific action plans.



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Photo Highlight (Optional)



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