



# SWIOCOF – 12

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## - OND & NDJ 2023 Seasonal Forecast -

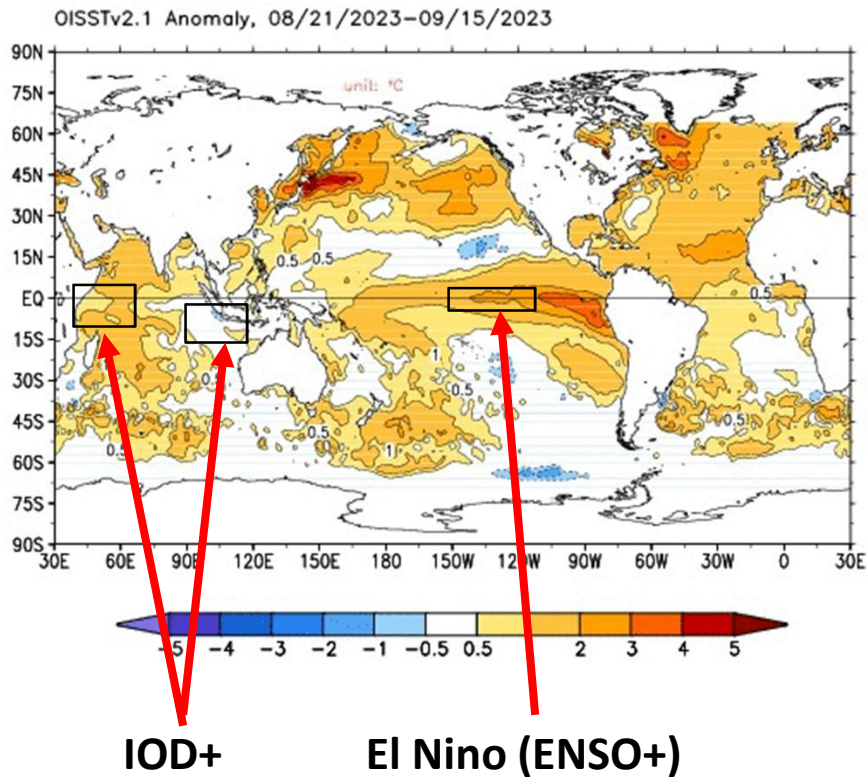
*Regional Outlook Forum for South-West Indian Ocean countries*

*September 21st 2023*

*- Mauritius -*

# SWIOCOF-12 : Climate drivers: (ENSO+ & IOD+)

## Observed SST

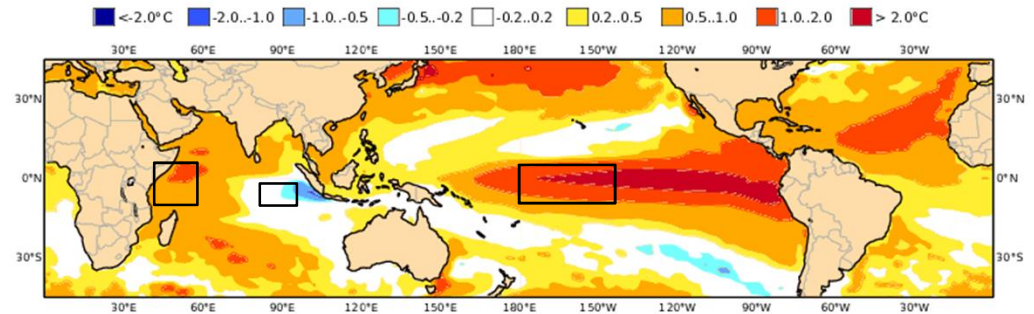


## Forecast SST

OND 2023

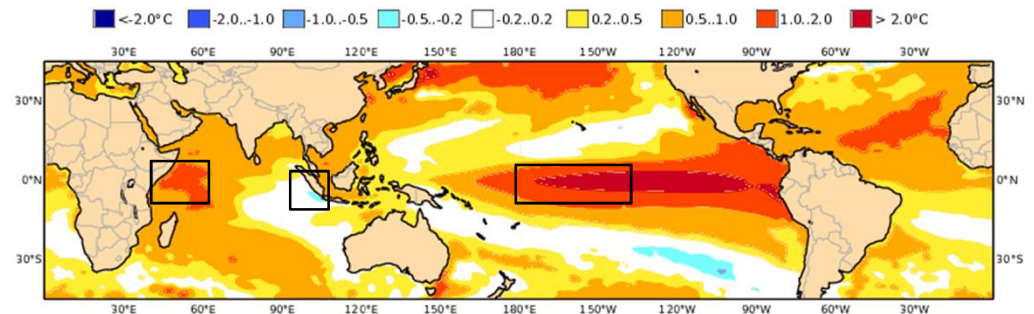
C3S multi-system seasonal forecast  
Mean forecast SST anomaly  
Nominal forecast start: 01/09/23  
Variance-standardized mean

ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC  
OND 2023



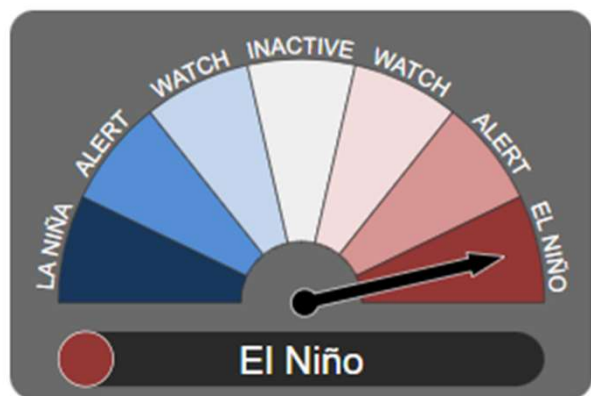
C3S multi-system seasonal forecast  
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ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC  
NDJ 2023/24

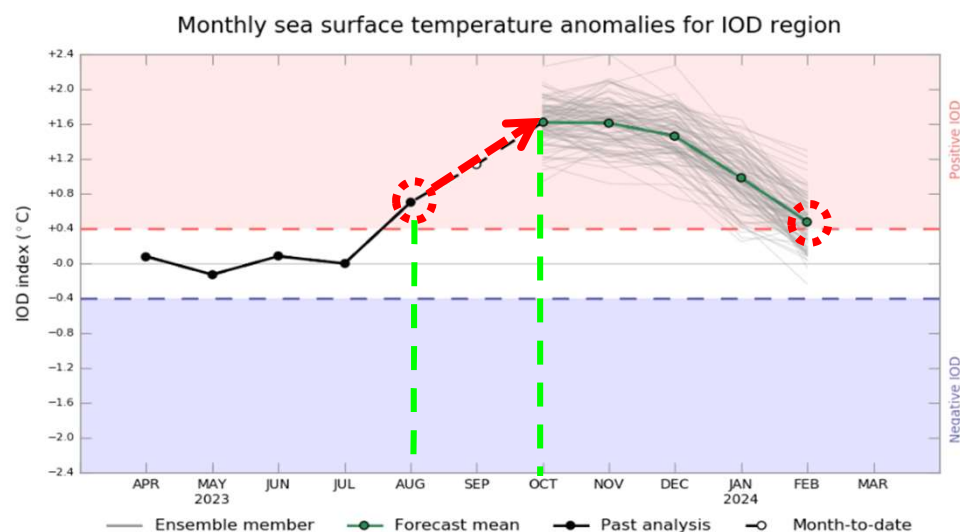
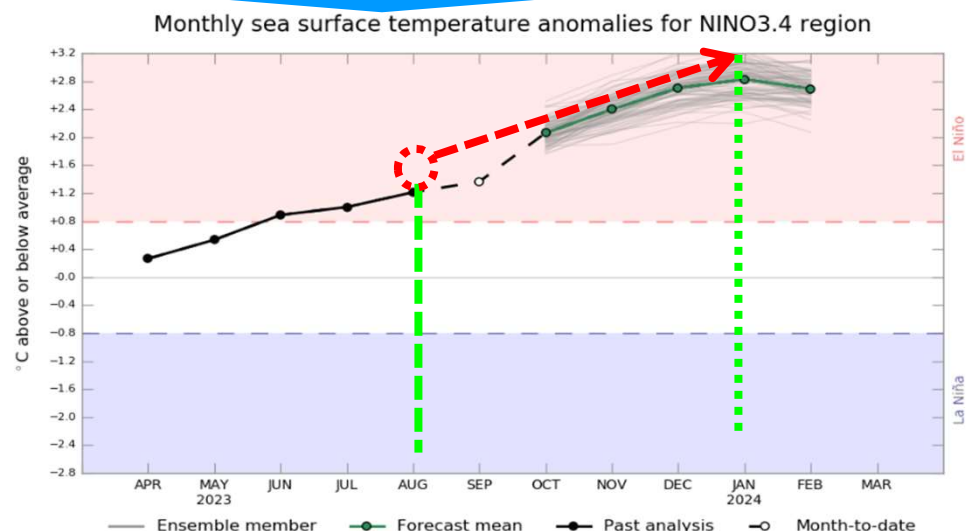


NDJ 2023

# SWIOCOF-12 : Climate drivers (ENSO+ & IOD+)



All surveyed models indicate SSTs will remain above El Niño thresholds until at least the end of the 2023–24 southern hemisphere summer.



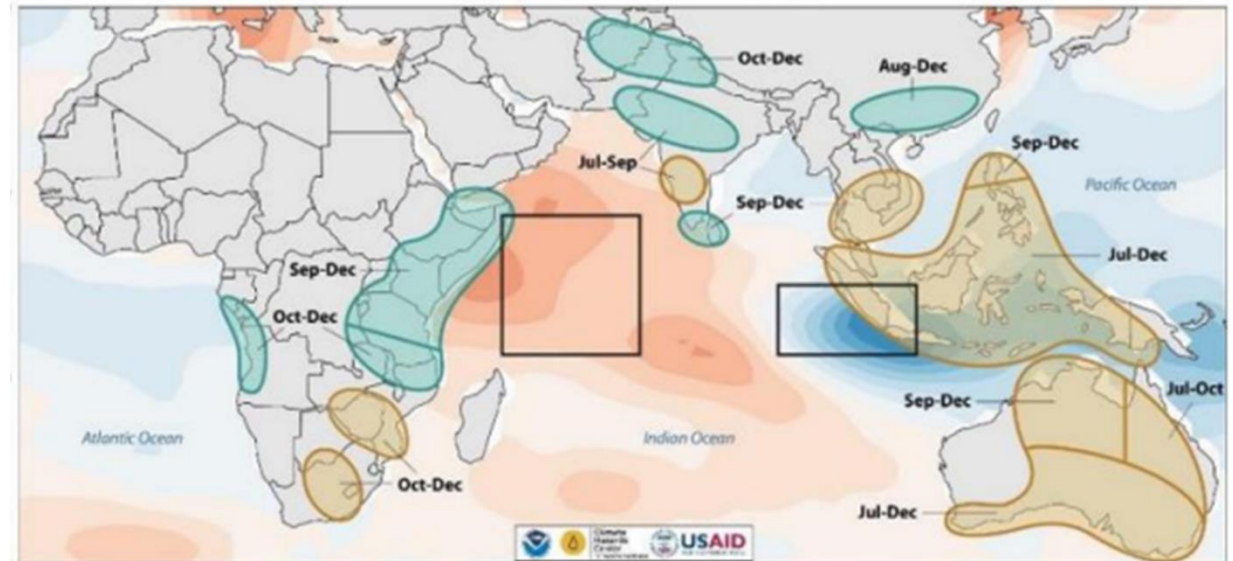
The Indian Ocean Dipole (IOD) index is **+1.25 ° C** for week ending 17 September and this is **its fifth week** above the positive IOD threshold (**+0.40 ° C**).

**The longevity** of this **trend**, combined with the **strength** of the dipole **being observed** and **forecast**, indicate a **positive IOD event is underway**.

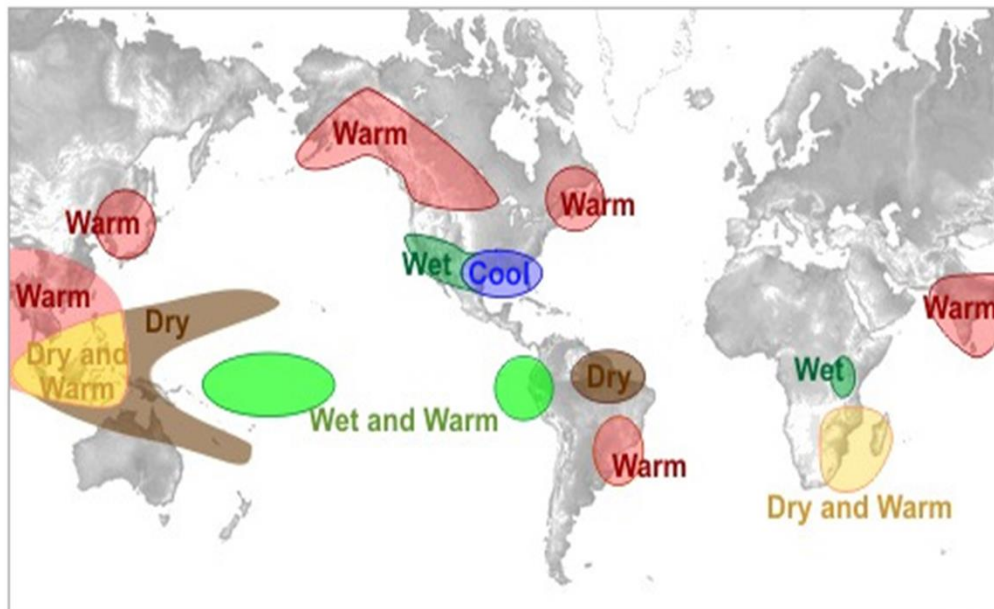
All models predict this positive IOD **will persist**.

# Climate Drivers: Modulated impacts over SWIO region

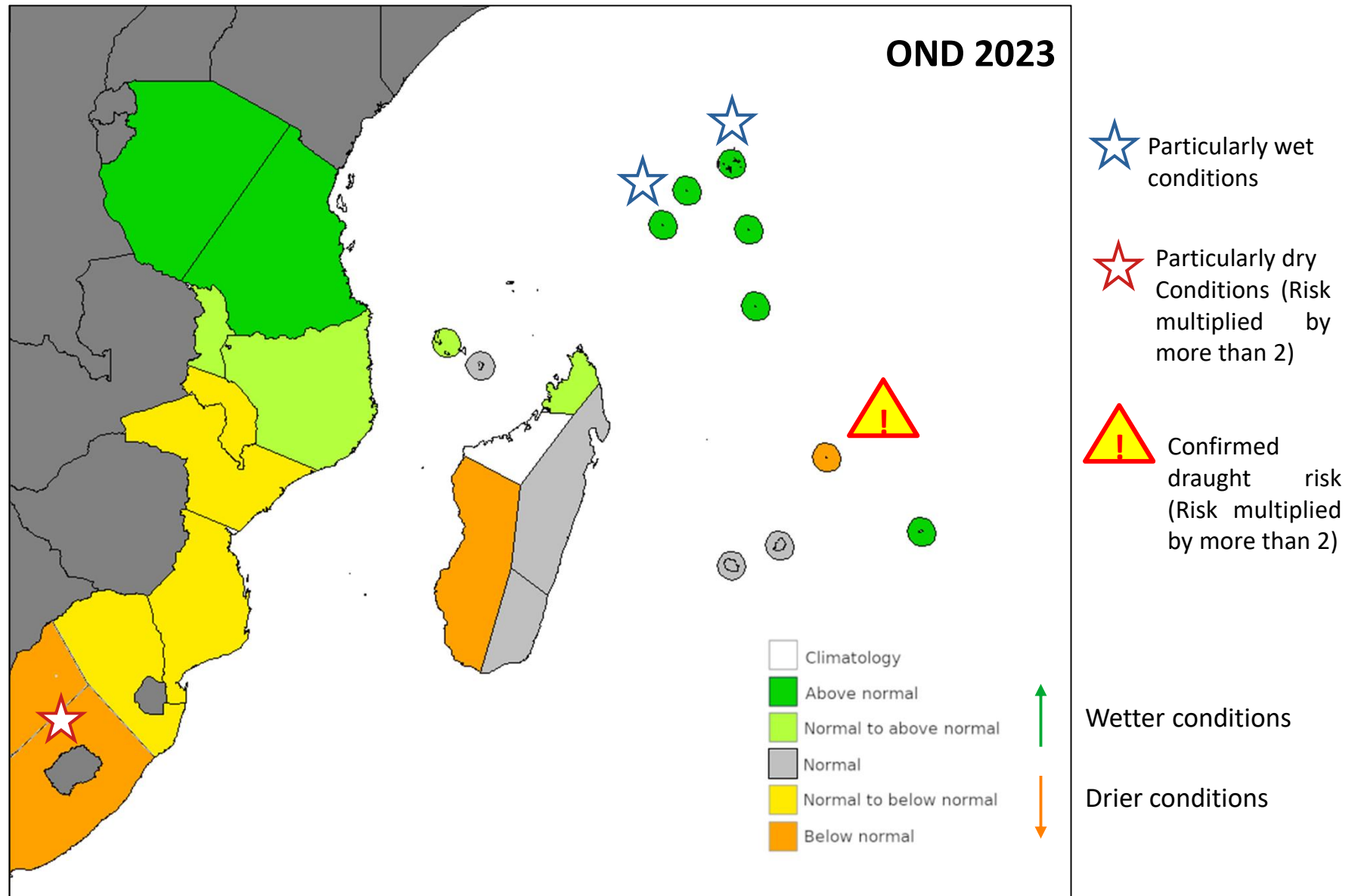
Positive Indian Ocean Dipole



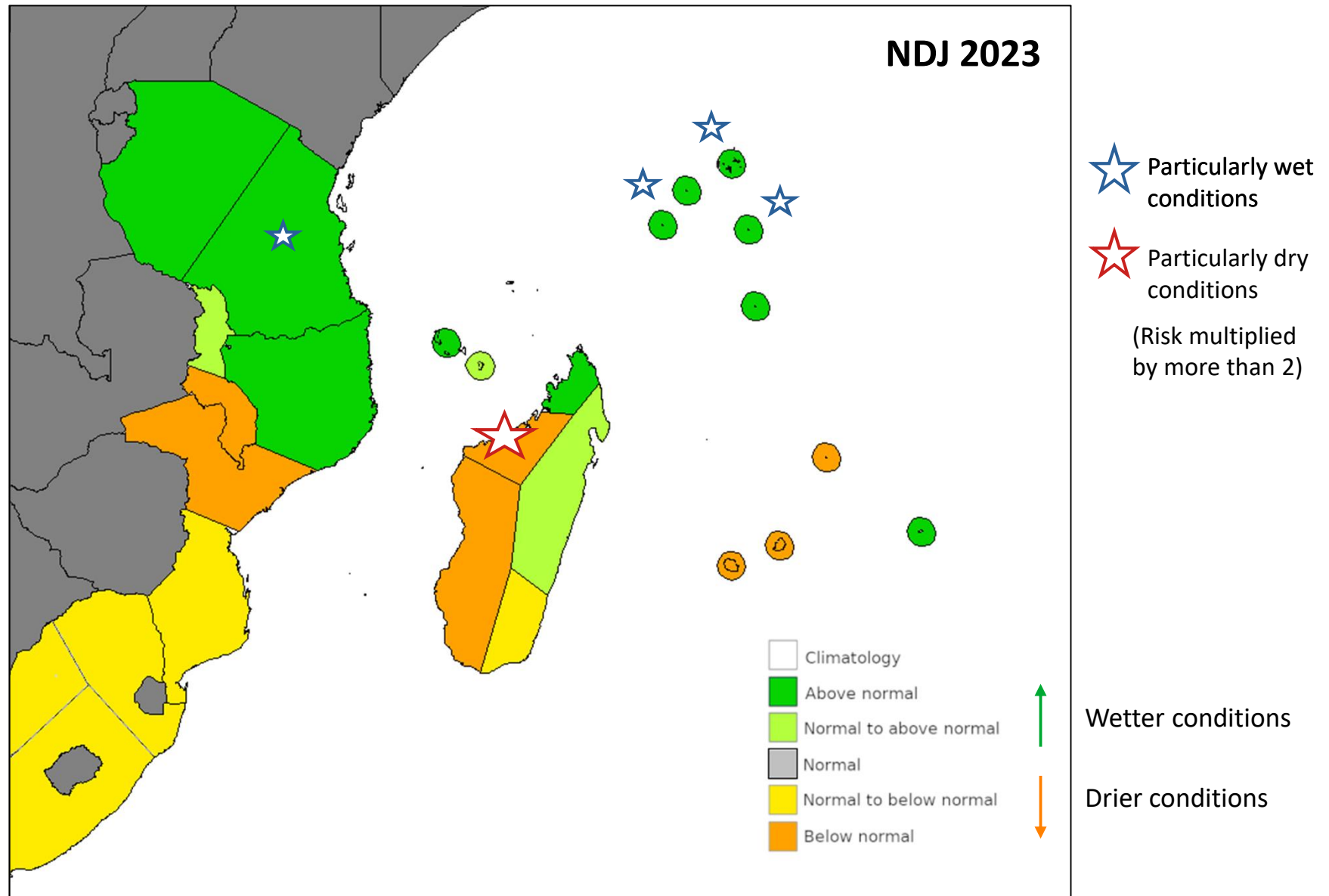
El Niño Impacts Dec-Feb



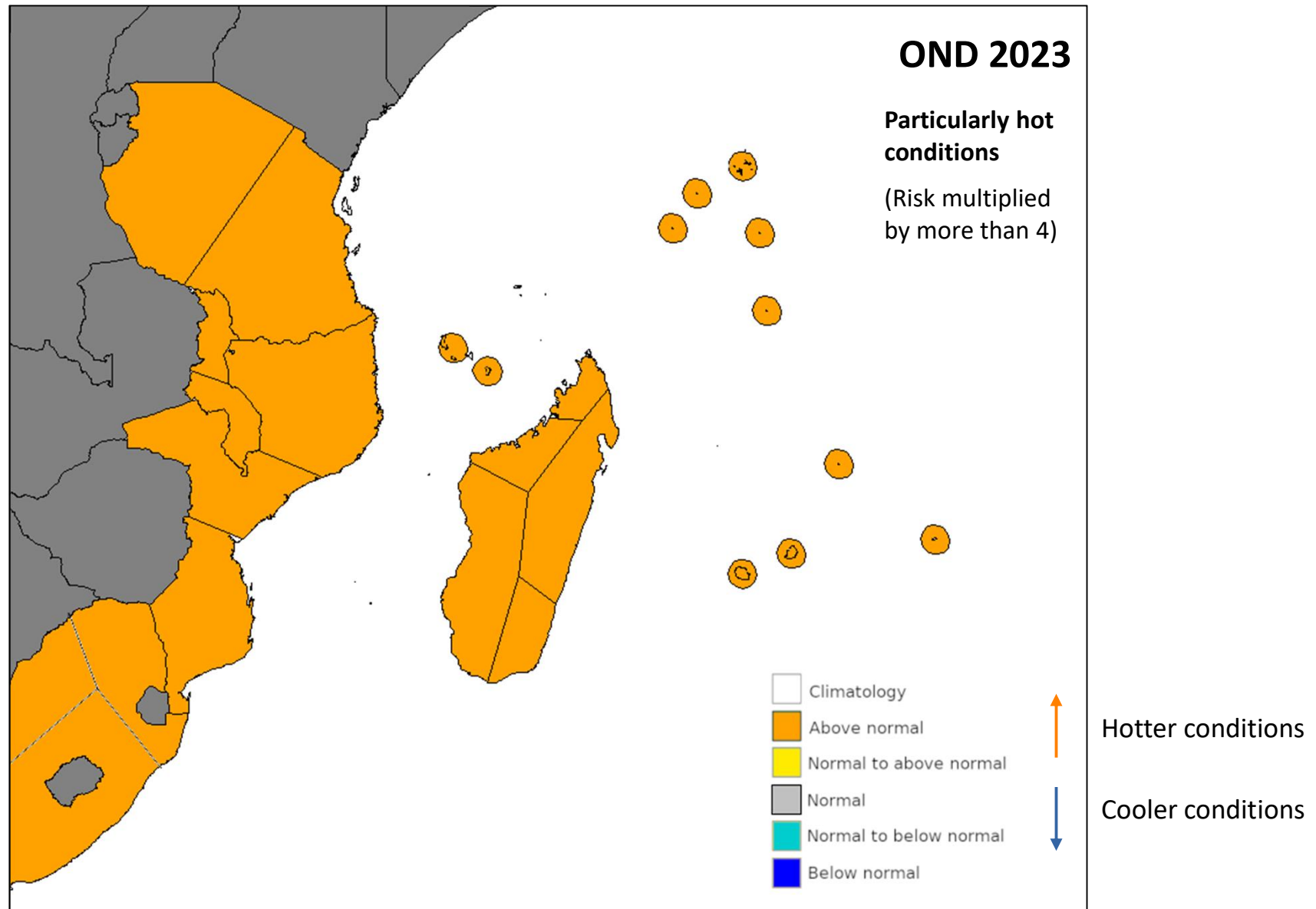
# SWIOCOF-12 : OND 2023 : Rainfall outlook



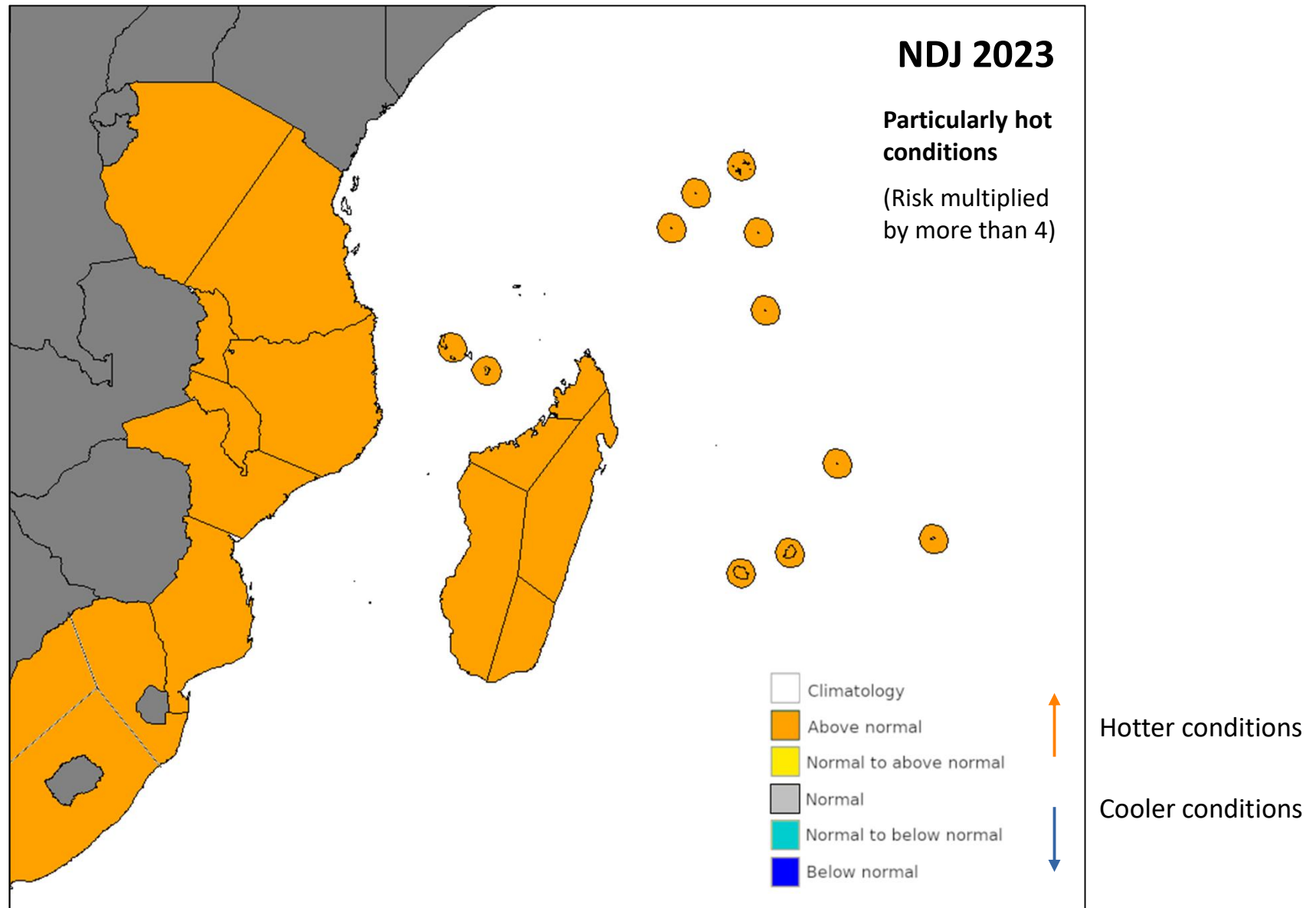
# SWIOCOF-12 : NDJ 2023 : Rainfall outlook



# SWIOCOF-12 : OND 2023 : Temperature outlook



# SWIOCOF-12 : NDJ 2023 : Temperature outlook



## Final Remarks

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- ☑ This **Outlook** is relevant only to **seasonal** (overlapping three-monthly) time-scale and relatively large areas.
- ☑ It may not fully account for **all factors** that influence regional and national climate variability, such as local and month-to-month variations (**intra-seasonal variability**).
- ☑ Users are **strongly recommended** to contact the National Meteorological and Hydrological Services **for a correct interpretation of this Outlook and additional guidance and updates**.

**Thank you for your attention**

**Any questions ?**



## Typical distribution of the forecast ensemble

