







# Large scale climate background

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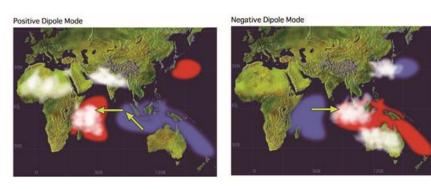
Regional Outlook Forum for South-West Indian Ocean countries

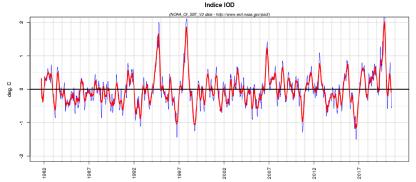
September 20-23 2021 - WebConference -

## What are the most relevant climate drivers

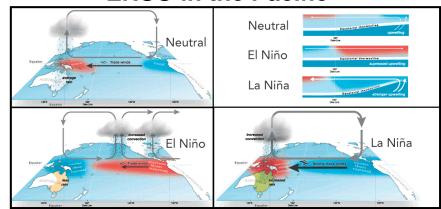
Sources of climate variability at seasonal scale mainly lies in the tropical ocean

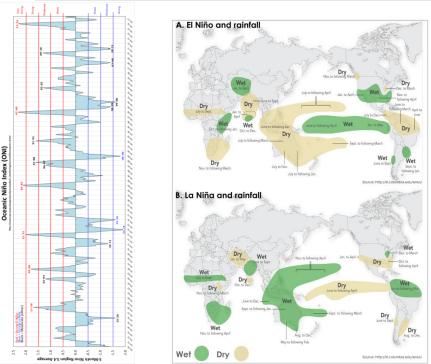
### **IOD/SIOD** in the Indian Ocean



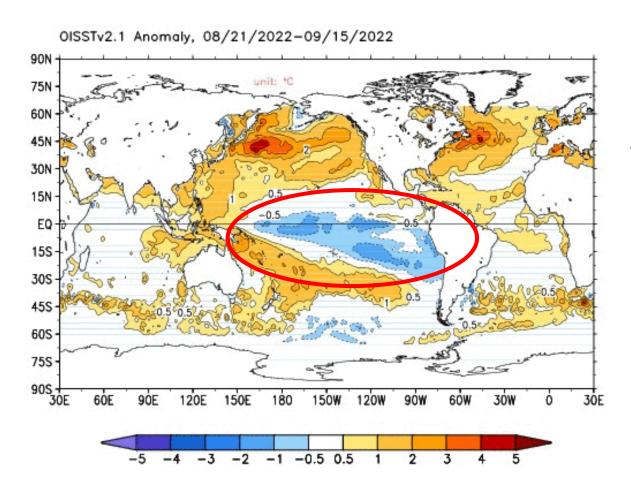


### **ENSO** in the Pacific



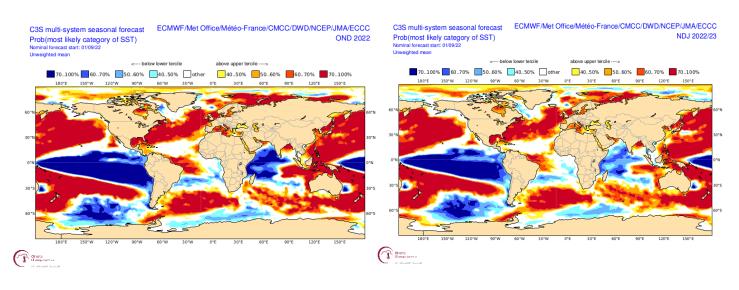


## Climate drivers : Observed ENSO (pacific)

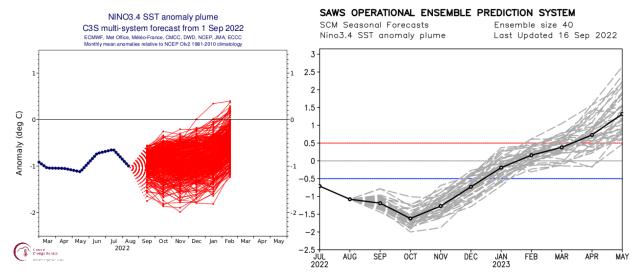


Tendency of cooling observed in the central Pacific

## **Climate drivers: ENSO latest forecast**

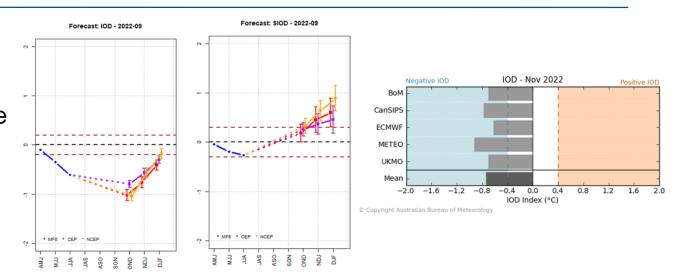


Probabilistic Forecast La Ninã threshold is likely (70-100%) to be exceeded from november until the end of the year.

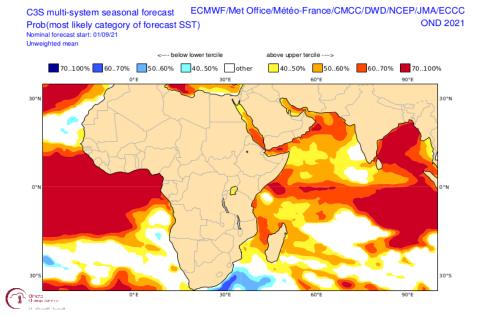


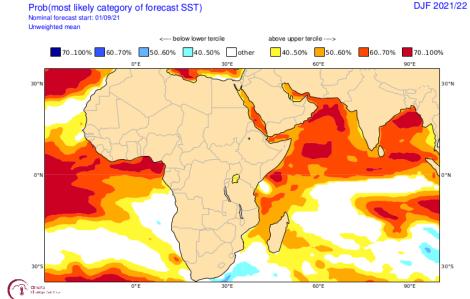
## Climate drivers: IOD/SIOD latest forecast

IOD back in neutral values by oct-nov. Positive SIOD event likely by the end of the year.



C3S multi-system seasonal forecast





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

### **Climate Drivers Impacts:** Rainfall and Temperature anomalies (OND-NDJ)

OND 2022

NDJ 2022/23

