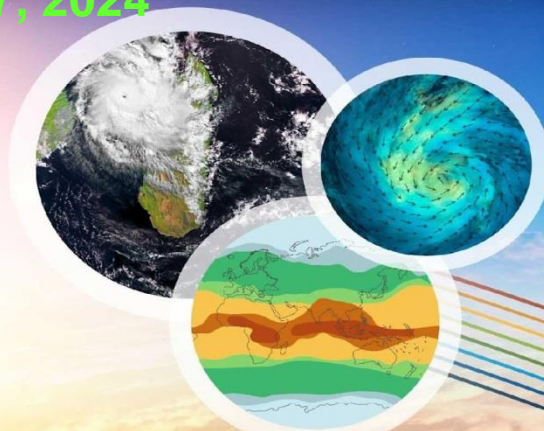




18th Regional Climate Outlook Forum over Central Africa Region PRESAC -18

ON LINE

March 04 to 7, 2024



Performance Assessment of PRESAC-17 Rainfall Outlook

Prepared By: ACMAD Team



INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



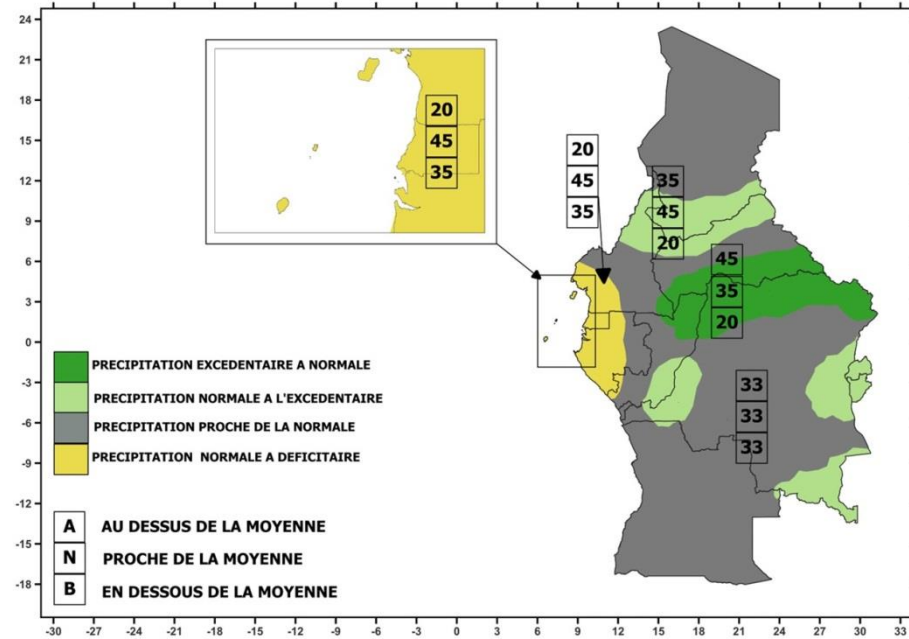
An initiative of the Organisation of African, Caribbean
and Pacific States funded by the European Union



SEASONAL PRECIPITATION OUTLOOK FOR AMJ 2023



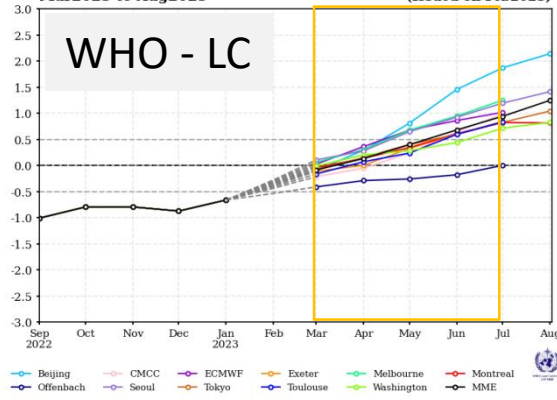
PREVISION SAISONNIERE DES PRECIPITATIONS
POUR LA REGION DE L'AFRIQUE CENTRALE
VALABLE POUR AVRIL-MAI-JUIN 2023
ELABOREE LE 04 AVRIL 2023



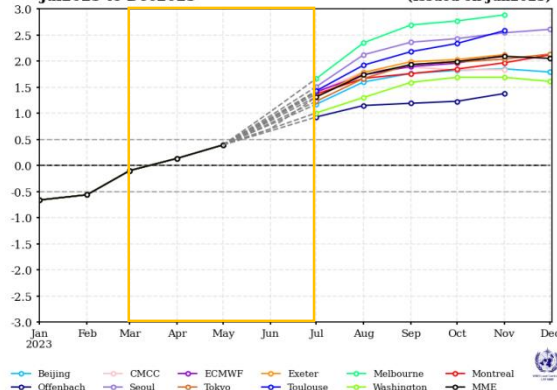


Teleconnections analysis (i.e ENSO) - Index plumes

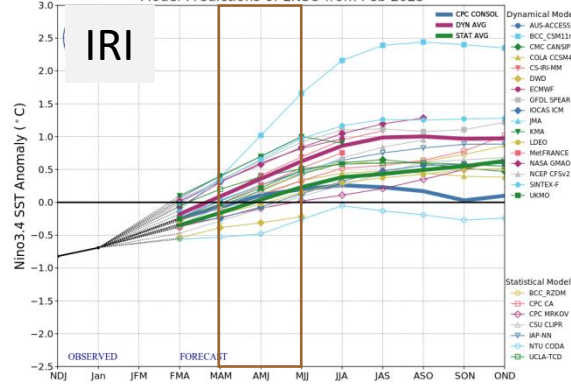
Forecast of Nino3.4 Mar2023 to Aug2023 (Issued on Feb2023)



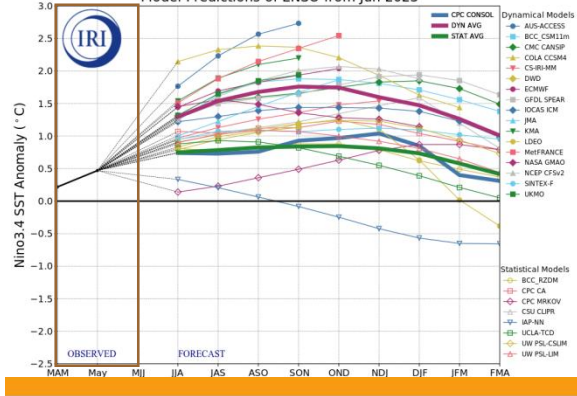
Forecast of Nino3.4 Jul2023 to Dec2023 (Issued on Jun2023)



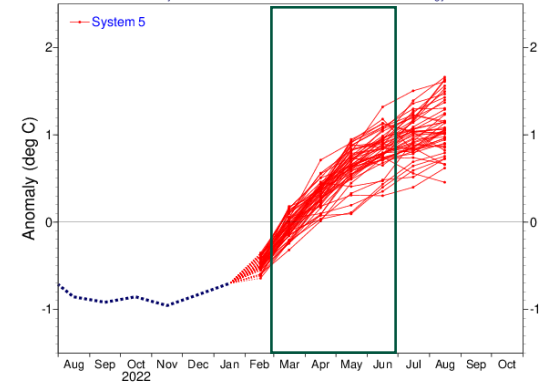
Model Predictions of ENSO from Feb 2023



Model Predictions of ENSO from Jun 2023

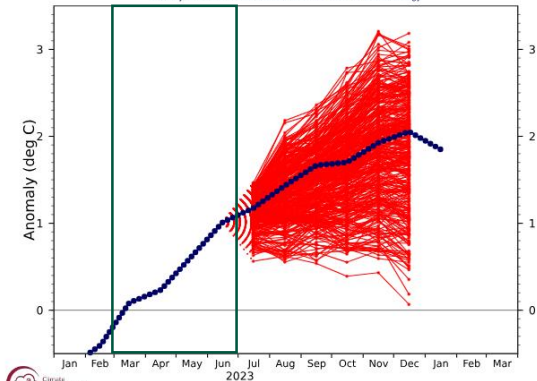


NINO3.4 SST anomaly plume
ECMWF forecast from 1 Feb 2023
Monthly mean anomalies relative to ERA5 1981-2010 climatology



NINO3.4 SST anomaly plume

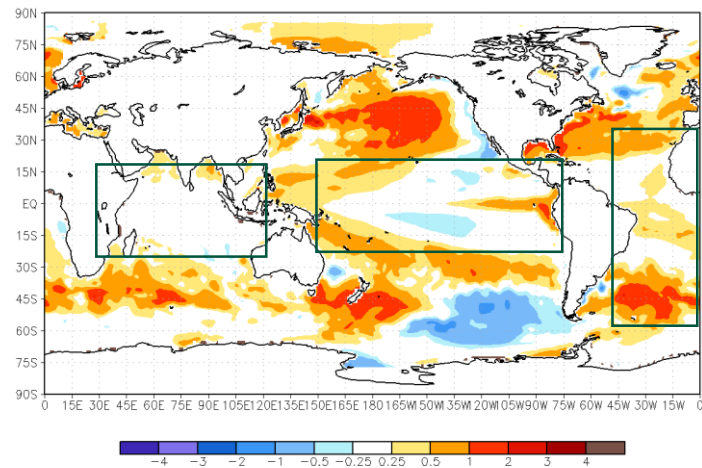
C3S multi-system forecast from 1 Jul 2023
ECMWF, Met Office, Météo-France, CMCC, DWD, NCEP, JMA, ECCO
Monthly mean anomalies relative to ERA5 1981-2010 climatology



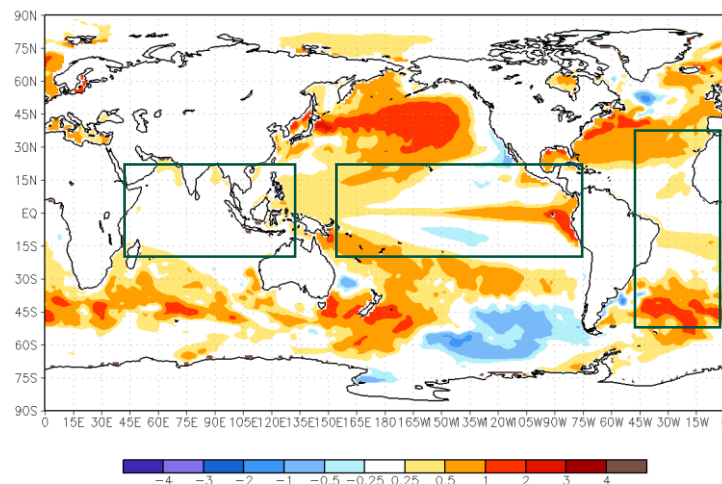


Teleconnections analysis - State of Tropical Ocean

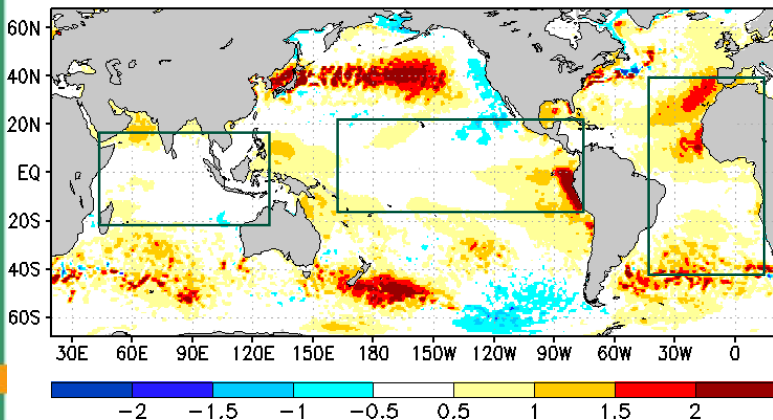
NMME Sea Surface Temperature Anomalies (DecC)
Mar2023–May2023 February2023 initial conditions



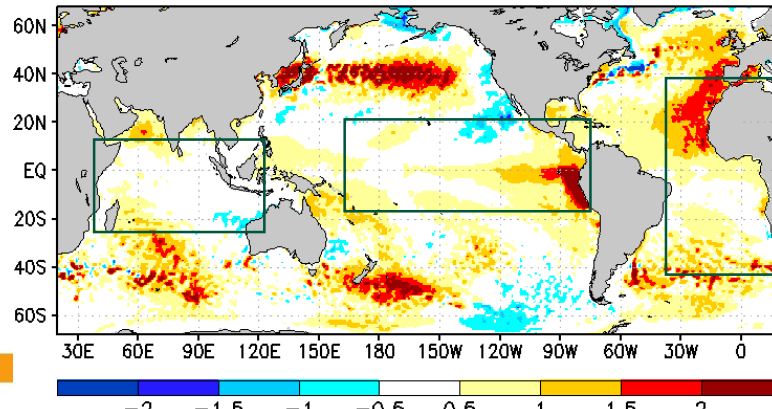
NMME Sea Surface Temperature Anomalies (DecC)
Apr2023–Jun2023 February2023 initial conditions



SST Anom. MAM 2023



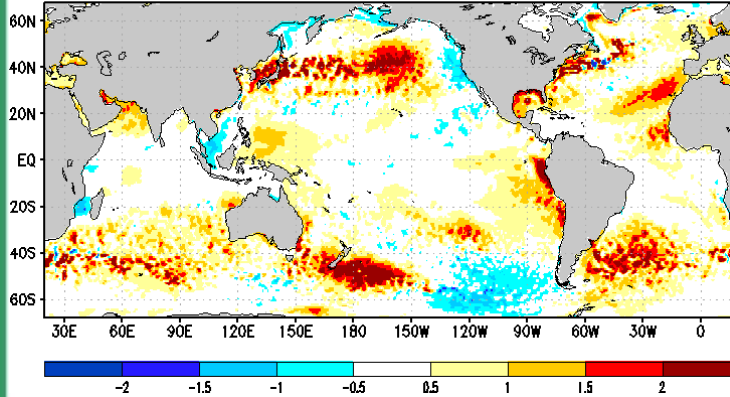
SST Anom. AMJ 2023



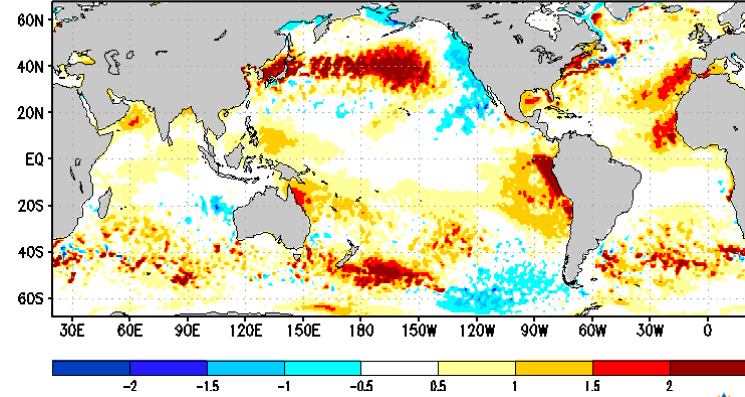
Sea Surface
Temperatures
mean anomaly
outlook

Observed
SST

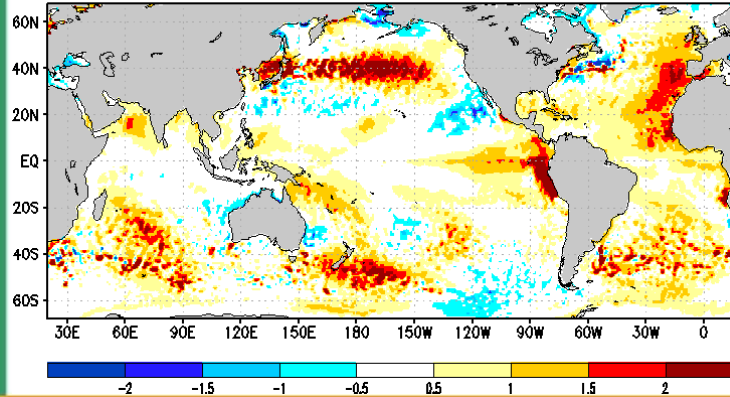
SST Anom. for Mar2023



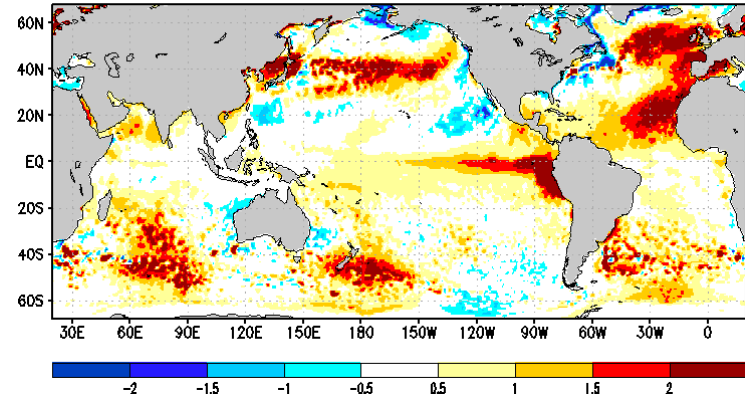
SST Anom. for Apr2023



SST Anom. for May2023



SST Anom. for Jun2023

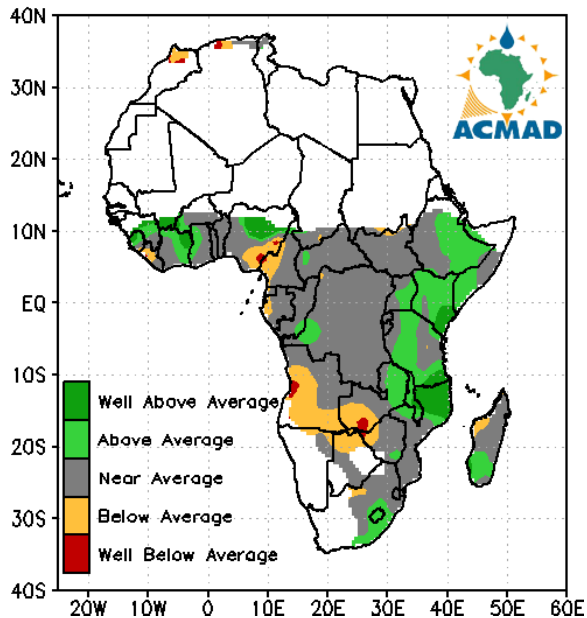


MAM 2023 VERIFICATION



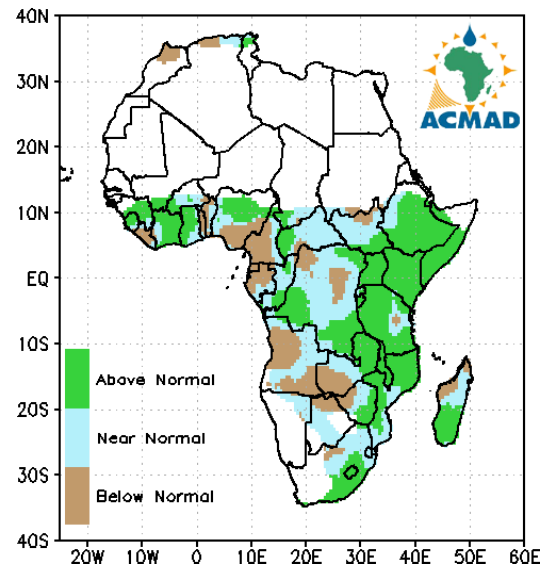
(2) Precip map obs in % for MAM

CAMS0-PI Precip Percent of Avg. (%)
MAM 2023



(3) Precip map obs in tercile for MAM

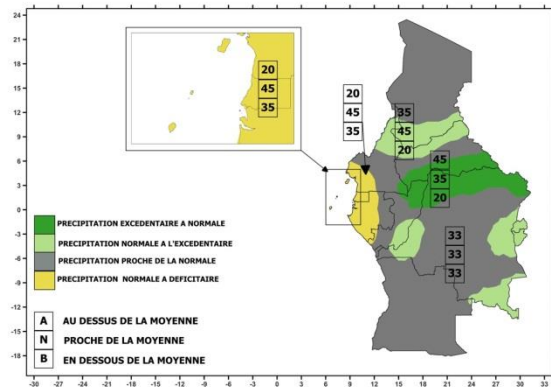
CAMS0-PI Precip Obs. Tercile for
MAM 2023



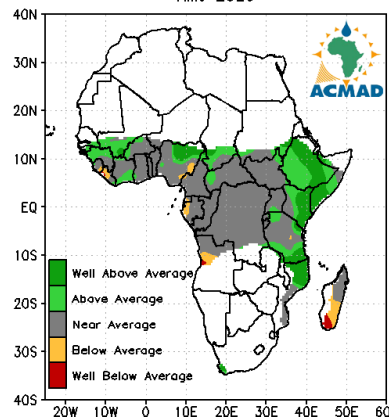
AMJ 2023 VERIFICATION



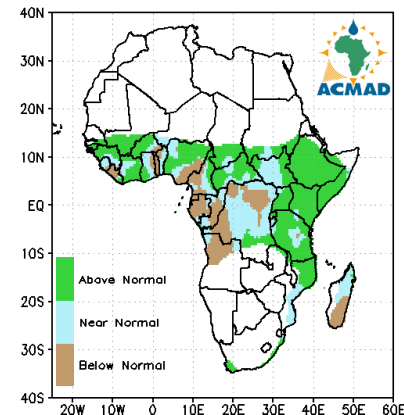
PREVISION SAISONNIERE DES PRECIPITATIONS
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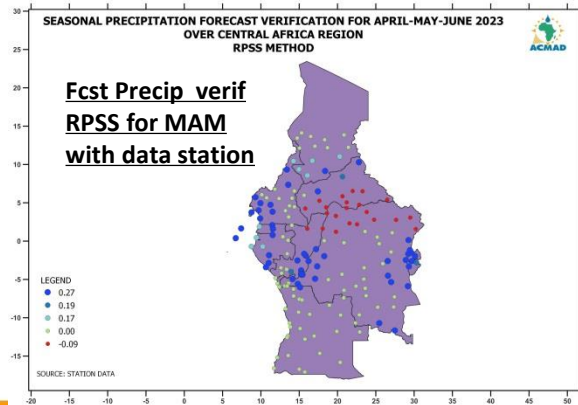
CAMS0-PI Precip Percent of Avg. (%)
 AMJ 2023



CAMS0-PI Precip Obs. Tercile for
 AMJ 2023

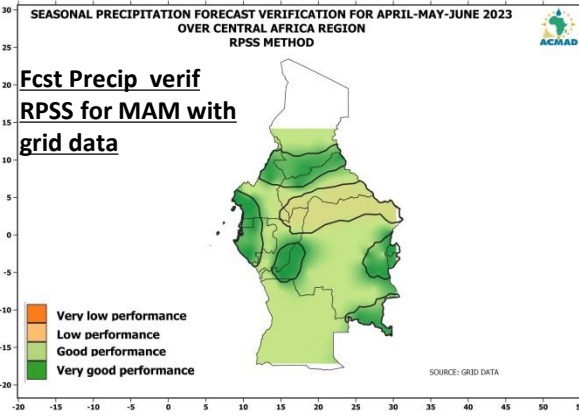


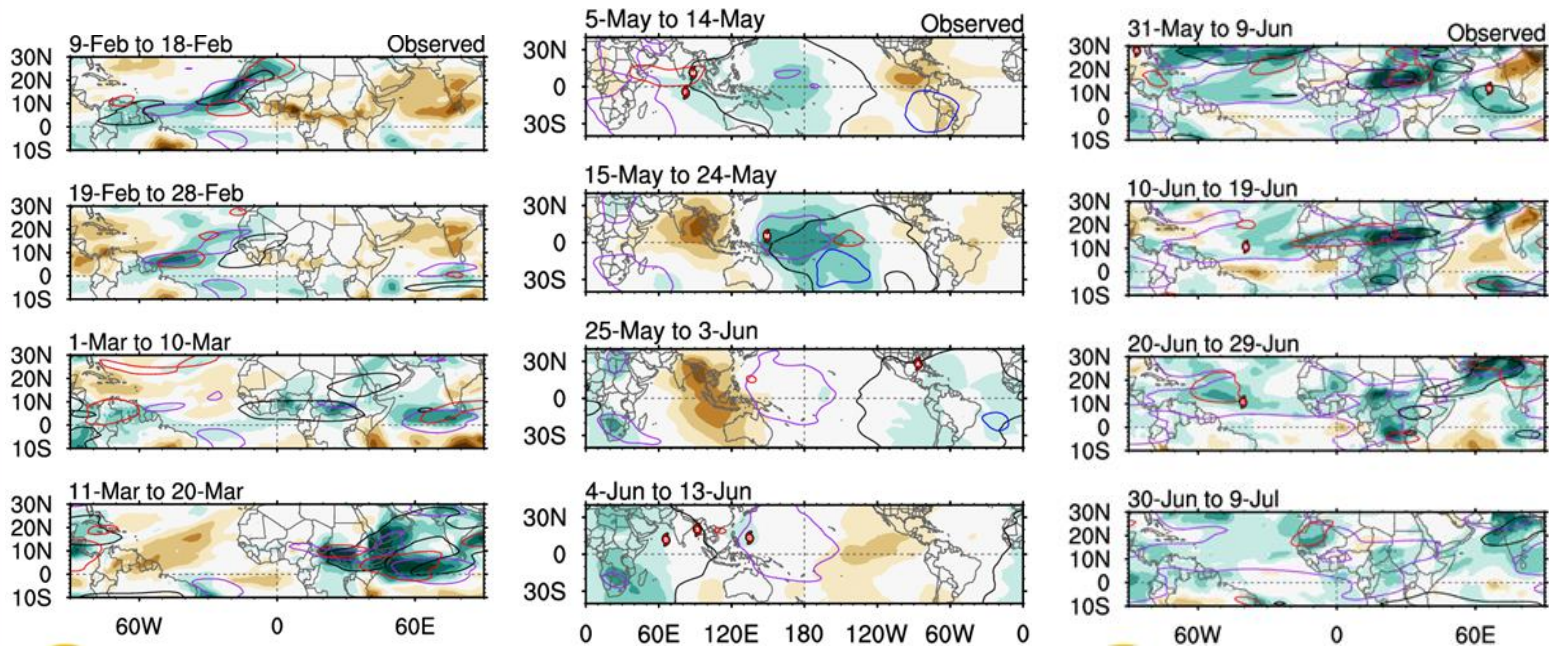
SEASONAL PRECIPITATION FORECAST VERIFICATION FOR APRIL-MAY-JUNE 2023
 OVER CENTRAL AFRICA REGION
 RPSS METHOD



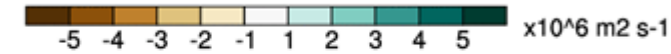
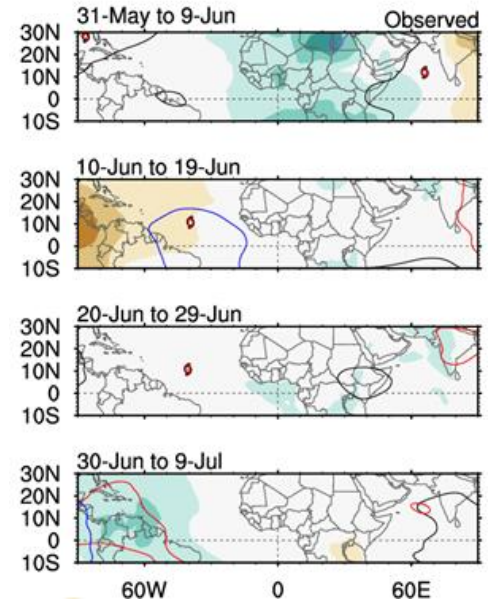
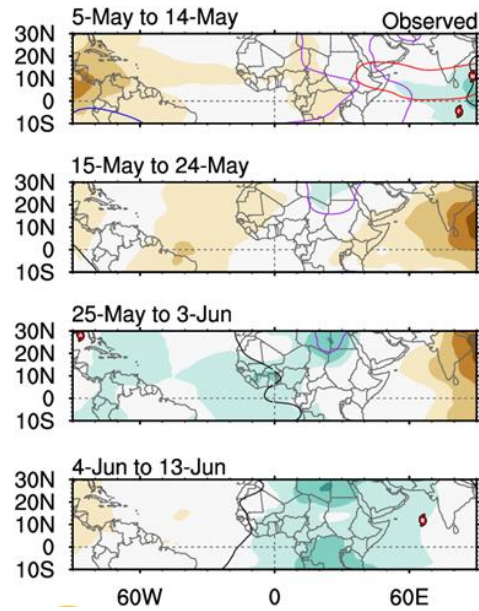
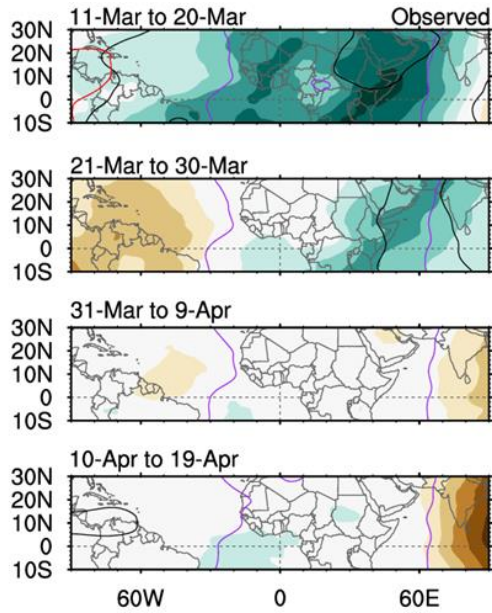
SEASONAL PRECIPITATION FORECAST VERIFICATION FOR APRIL-MAY-JUNE 2023
 OVER CENTRAL AFRICA REGION
 RPSS METHOD

Fcst Precip verif
RPSS for MAM with
grid data





10-day PWAT



10-day CHI850



THANKS