

Monitoramento e Previsões de chuva para a Bacia do Rio Paranapanema

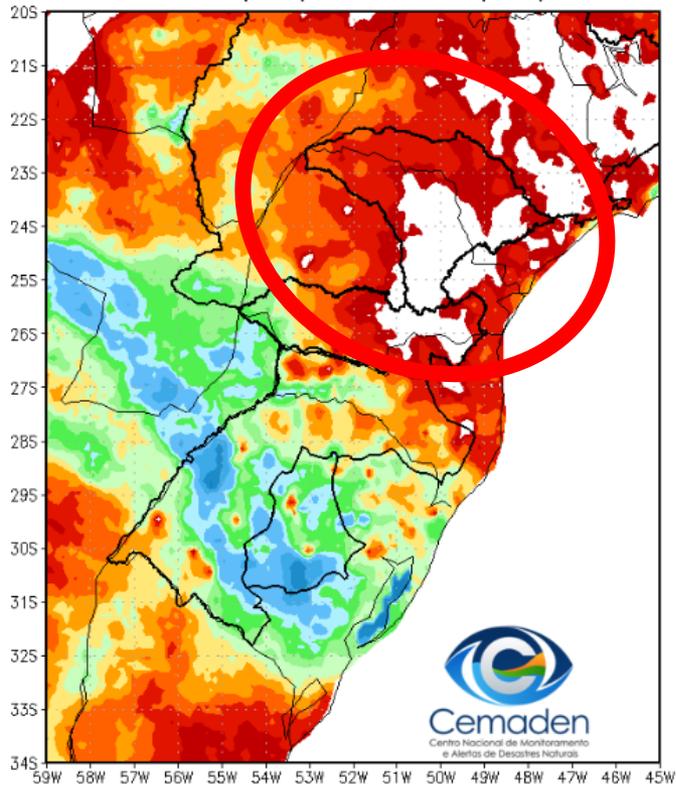


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

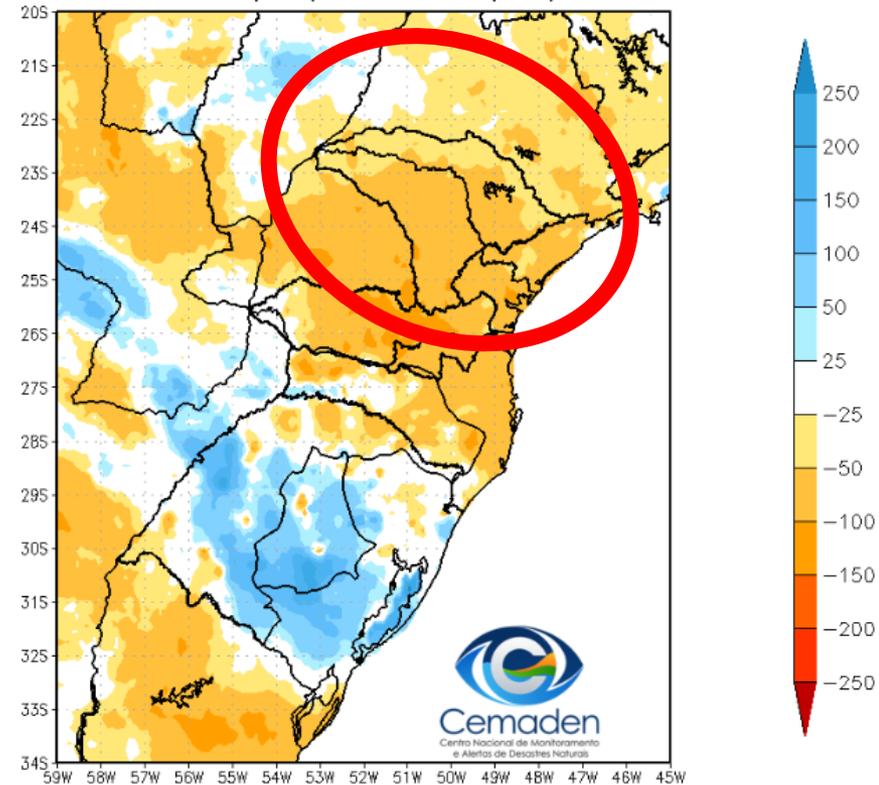
25 de Maio de 2023

Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 24/04/2023 a 24/05/2023



Anomalia de Precipitação (mm) A.S.
Período: 24/04/2023 a 24/05/2023



Monitoramento da situação da seca na bacia do rio Paranapanema

DIAGNÓSTICO: MAIO/2023

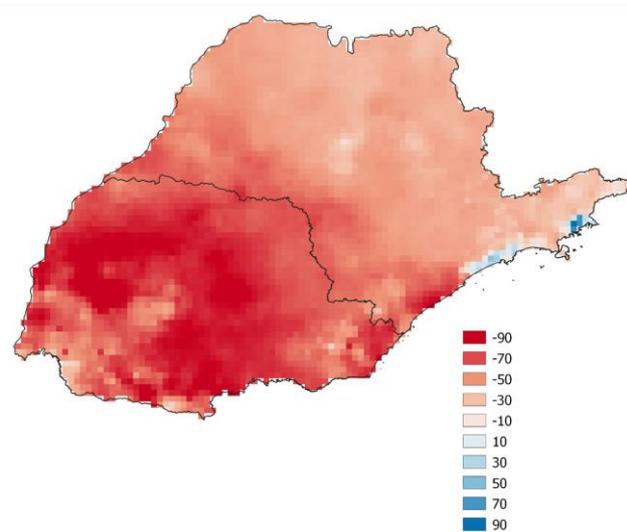


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES

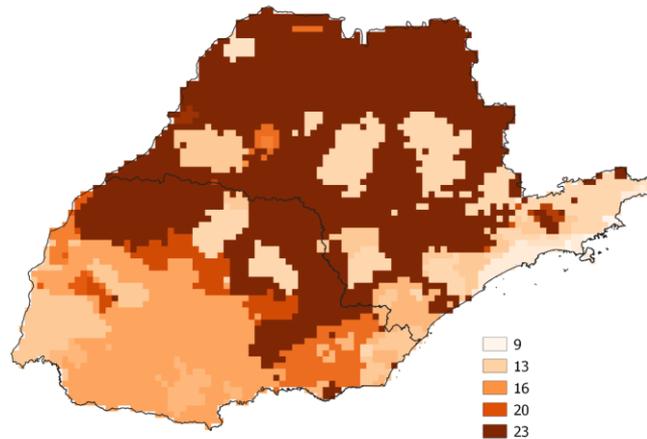


PRECIPITAÇÃO: MAIO 2023 (ATÉ 23/05)

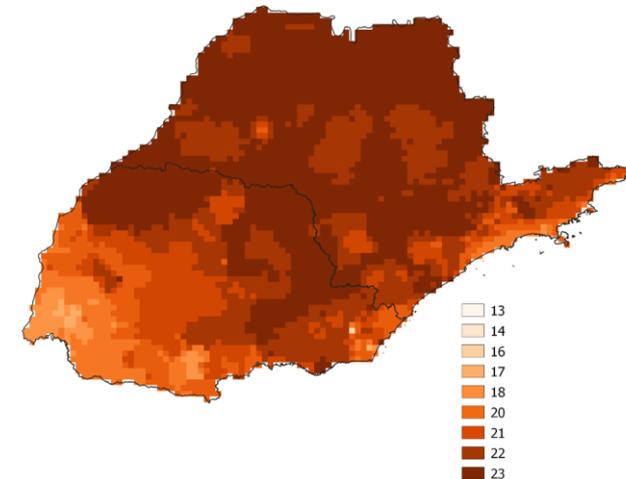
Anomalia (mm)



Máximo de dias
consecutivos sem chuva



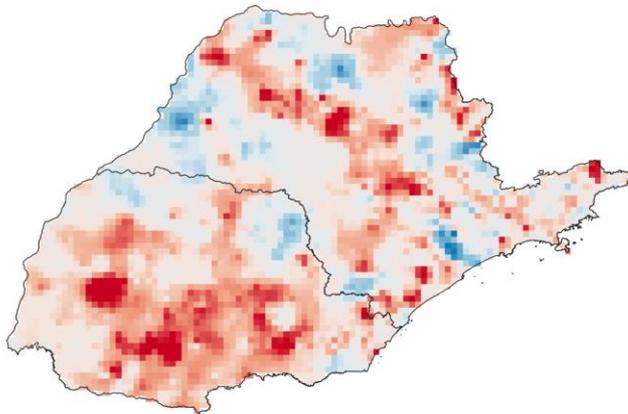
Total de dias sem chuva



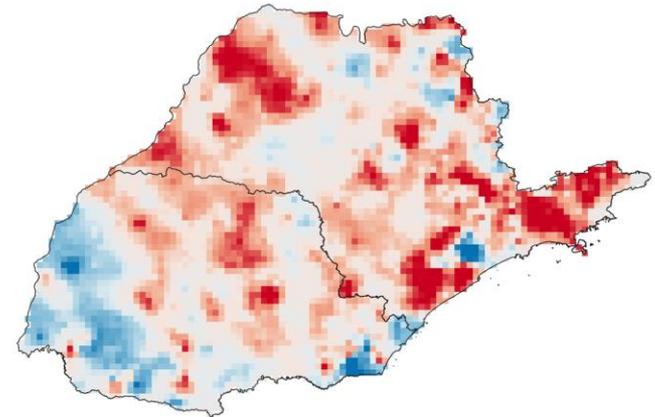


SPI: MAIO 2023 (ATÉ 23/05)

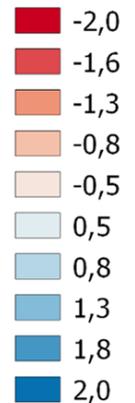
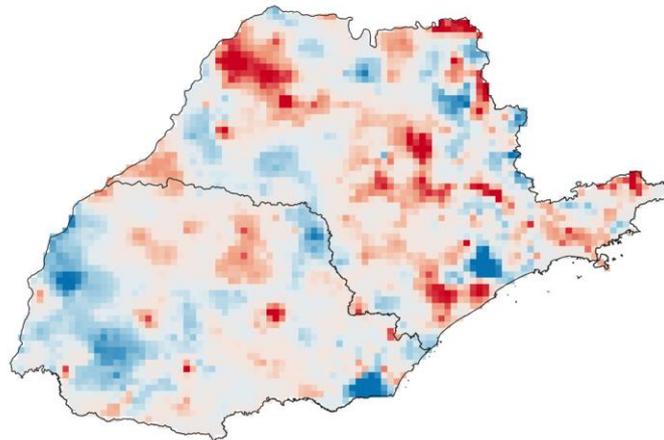
SPI03



SPI24



SPI12

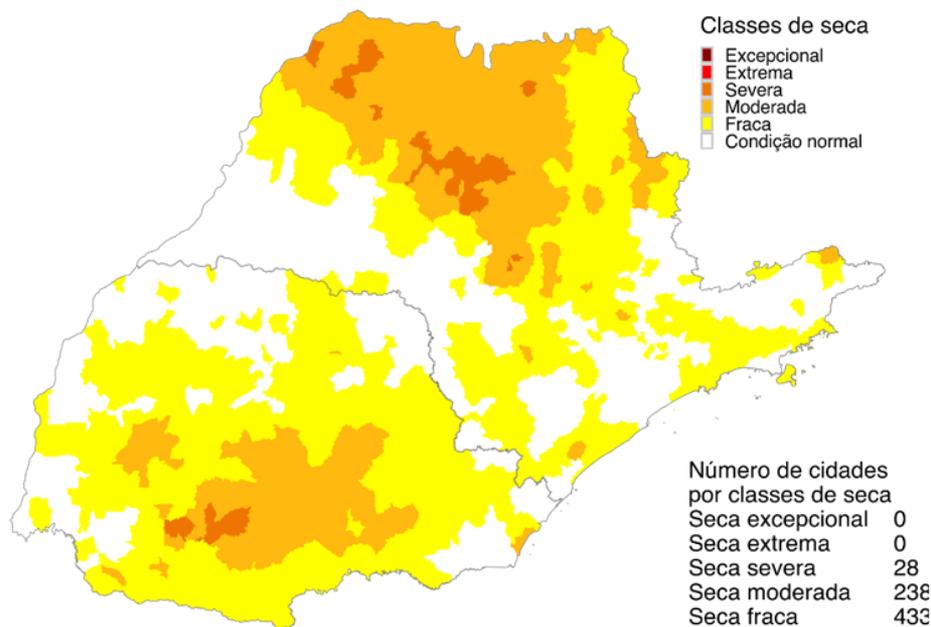




ÍNDICE INTEGRADO DE SECA - IIS

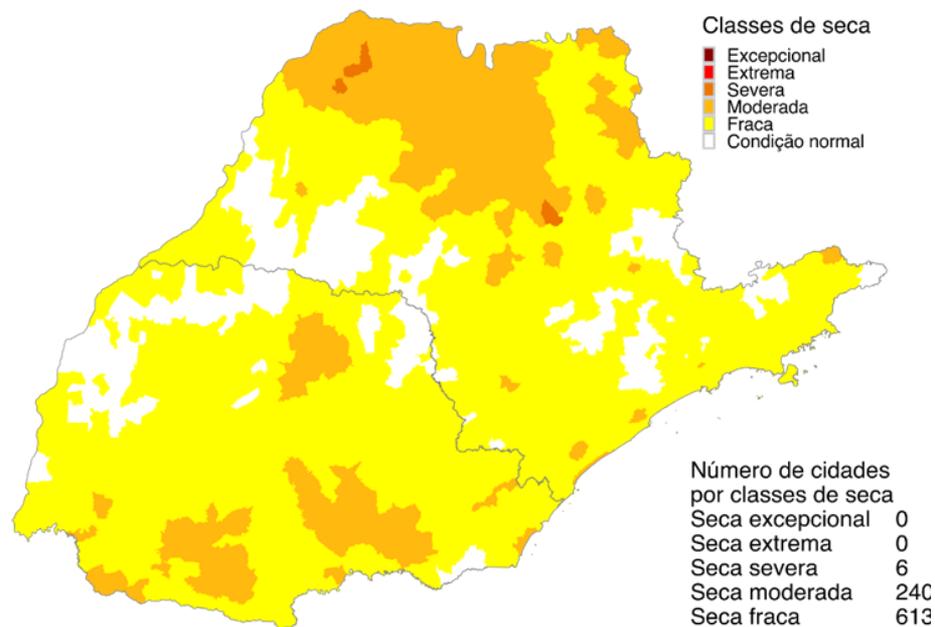
(SPI3 E 6 + VHI + AUS): MAIO/2023

IIS 3 MESES



Maio 2023
Índice Integrado de Seca (SPI3, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

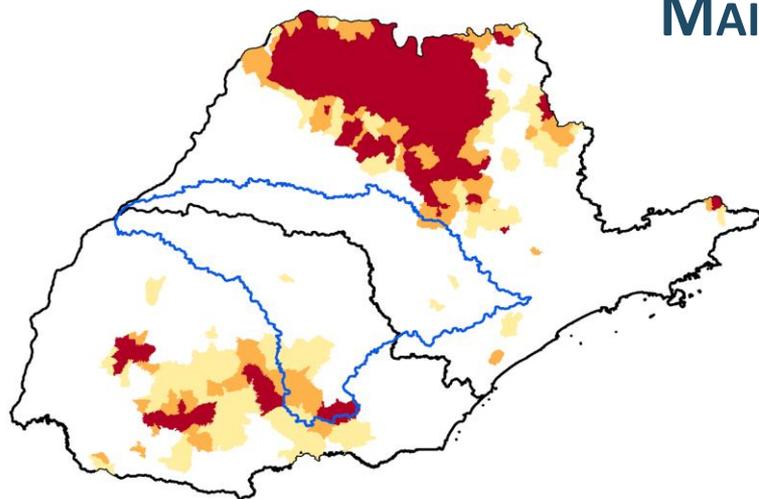
IIS 6 MESES



Maio 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

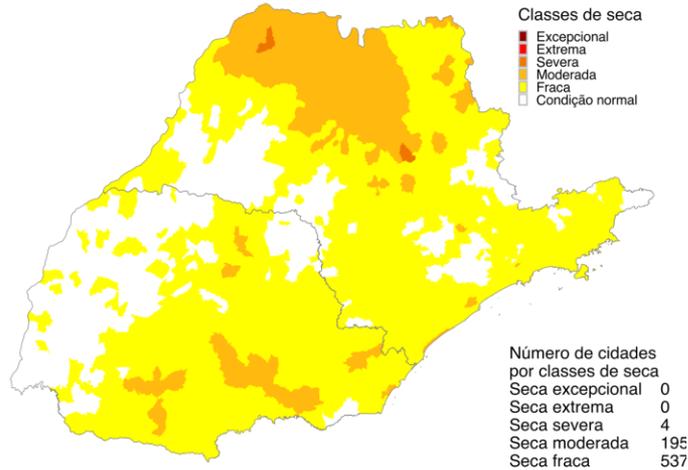
MAIO (PARCIAL)/23



UF	40 a 60%	60 - 80%	> 80%
PR	29	19	12
SP	32	39	164

	40 a 60%	60 - 80%	> 80%
Paraná			
Minifundio	33625 (13%)	16975 (6%)	11678 (4%)
Pequena Propriedade	15902 (12%)	7224 (6%)	6938 (5%)
Media Propriedade	3768 (14%)	1504 (6%)	1237 (5%)
São Paulo			
Minifundio	8856 (5%)	10634 (5%)	40826 (21%)
Pequena Propriedade	6268 (6%)	6576 (6%)	27274 (26%)
Media Propriedade	2697 (7%)	2668 (7%)	8956 (24%)

CHUVA 30% ACIMA DA MÉDIA



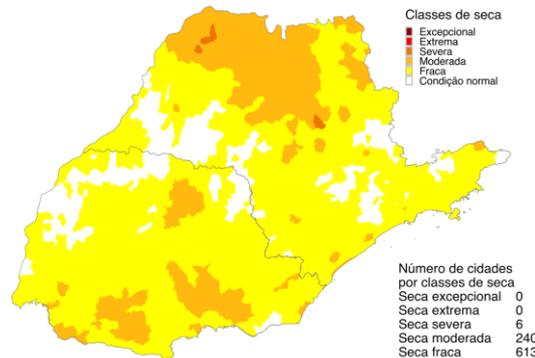
Junho 2023
Índice Integrado de Seca (SPI6, VHI, US)
Cenário: Chuva + 40%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

Junho/23



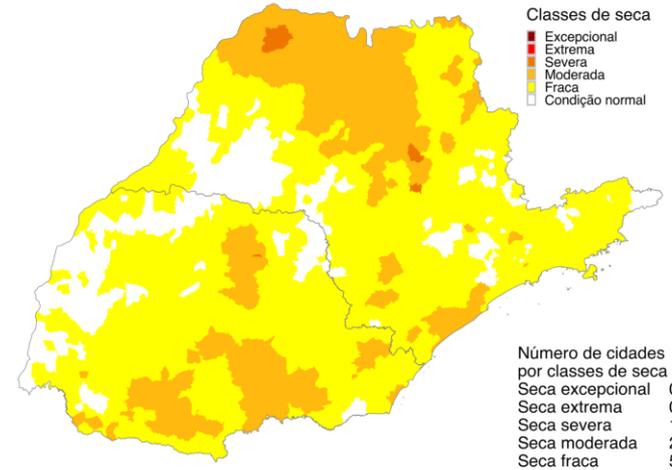
IIS OBSERVADO (IIS6)

Maio/23



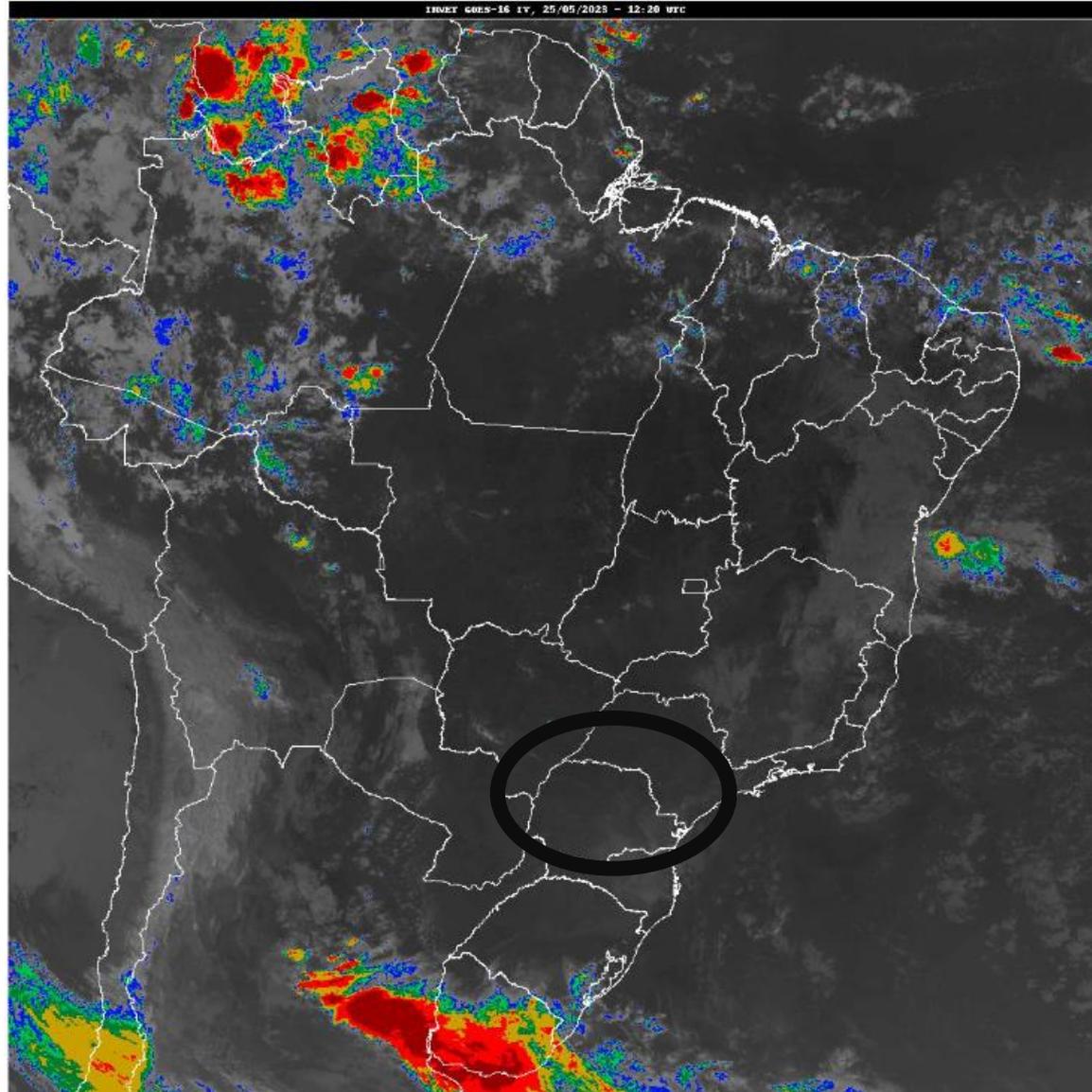
Maio 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

CHUVA 30% ABAIXO DA MÉDIA



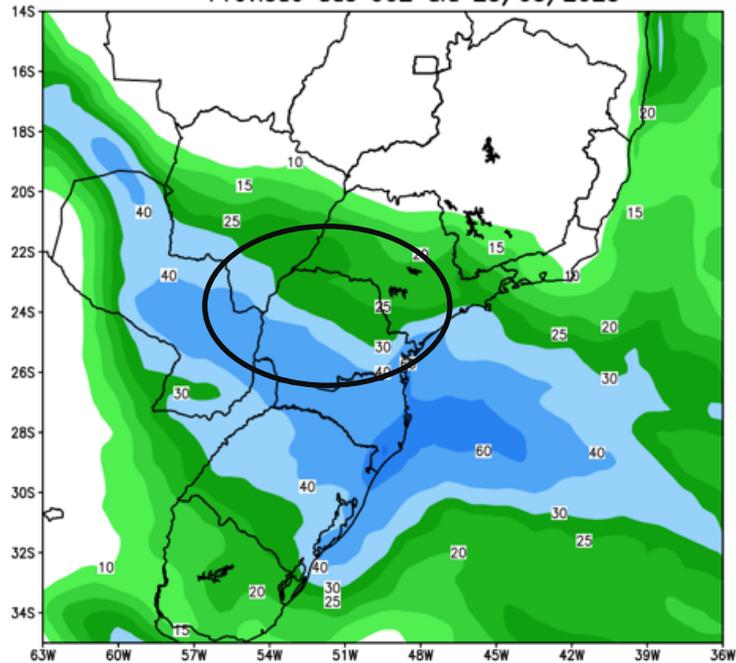
Junho 2023
Índice Integrado de Seca (SPI6, VHI, US)
Cenário: Chuva - 40%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

Situação meteorológica atual

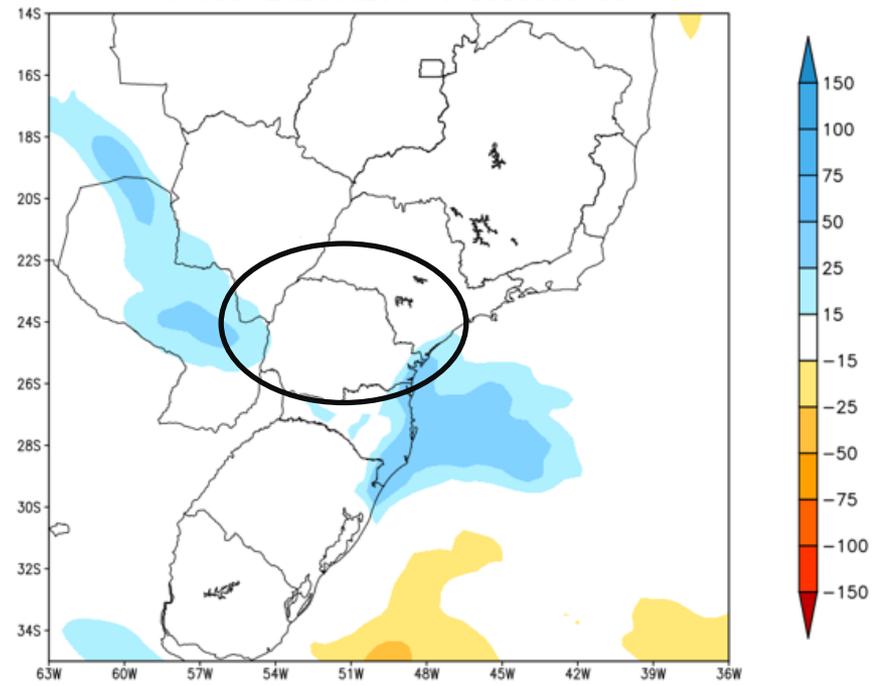


Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 25/05/2023



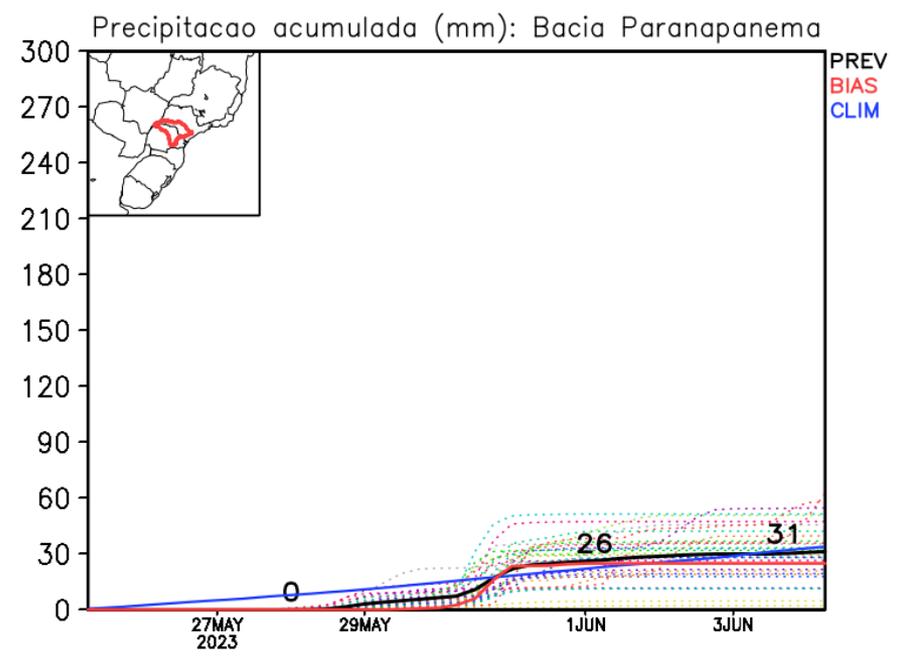
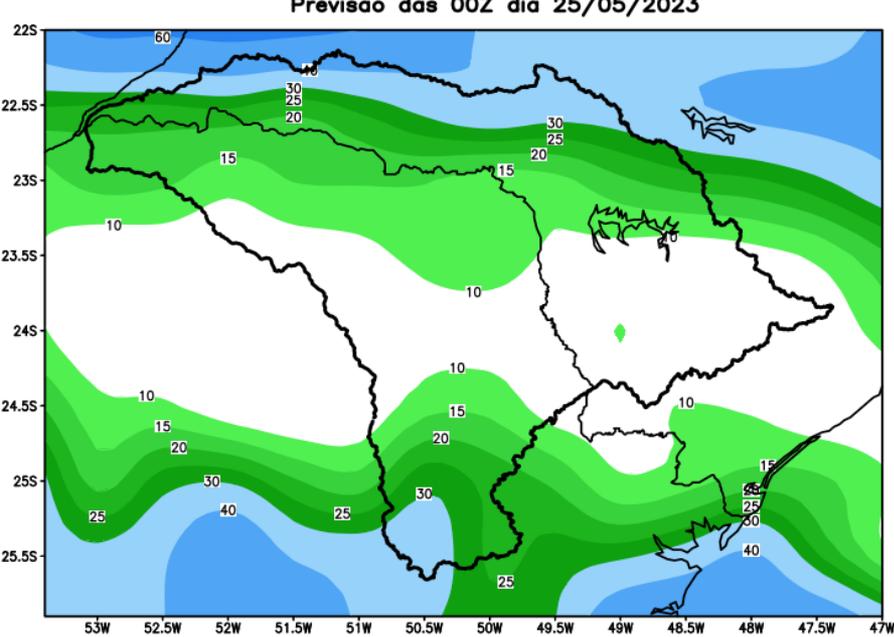
Anomalia de Precipitacao BR SUL (mm)
Periodo: 2023052500 a 2023060100



MODELO GFS

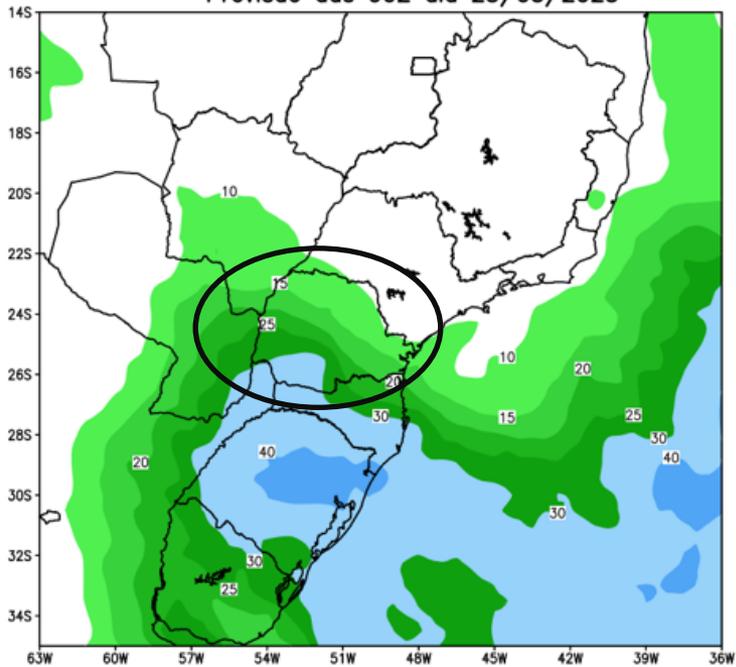
Previsão para a bacia do rio Paranapanema

GEFS_BC / Bacia do Rio Paranapanema
Prec. acumulada com correcao de vies em 7 dias (mm)
Previsao das 00Z dia 25/05/2023

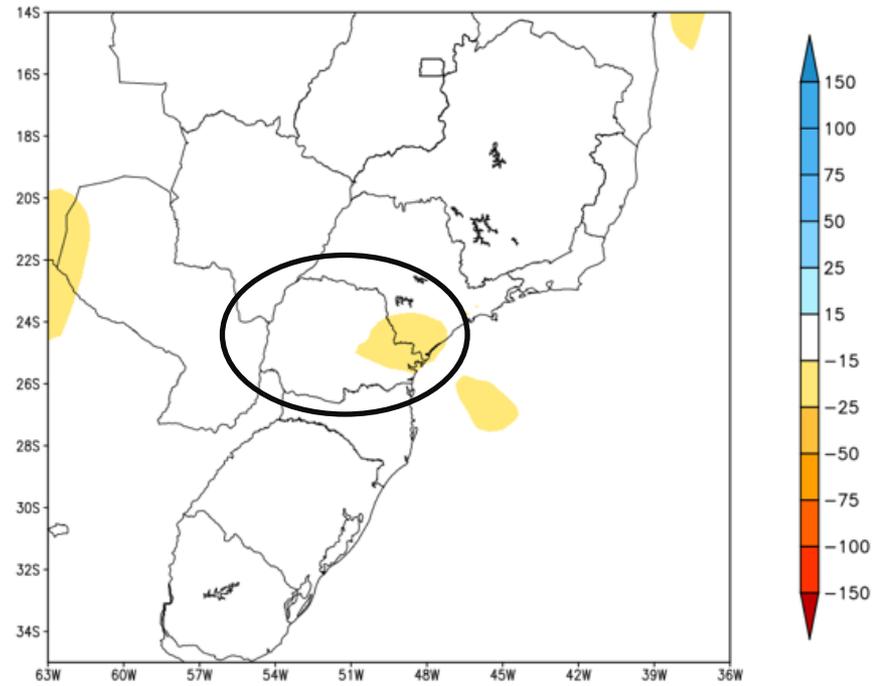


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 25/05/2023



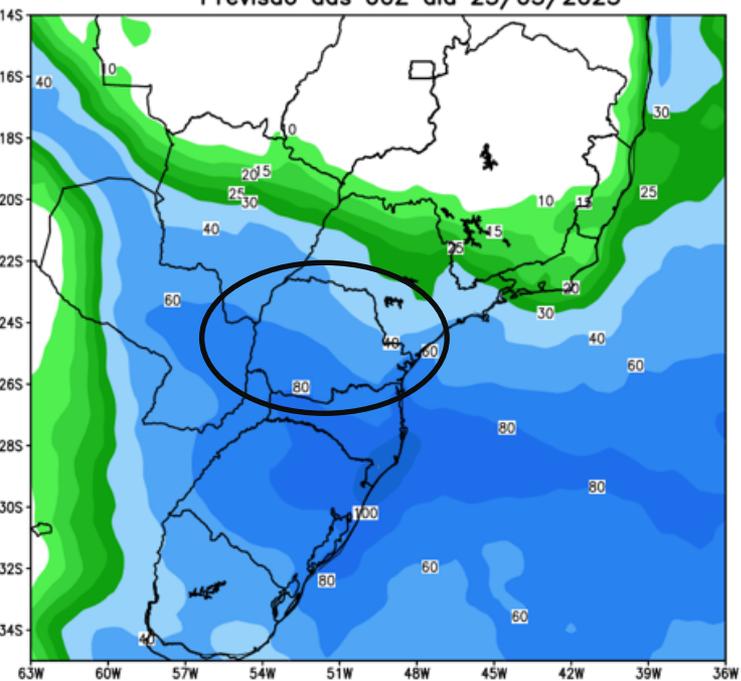
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023060200 a 2023060800



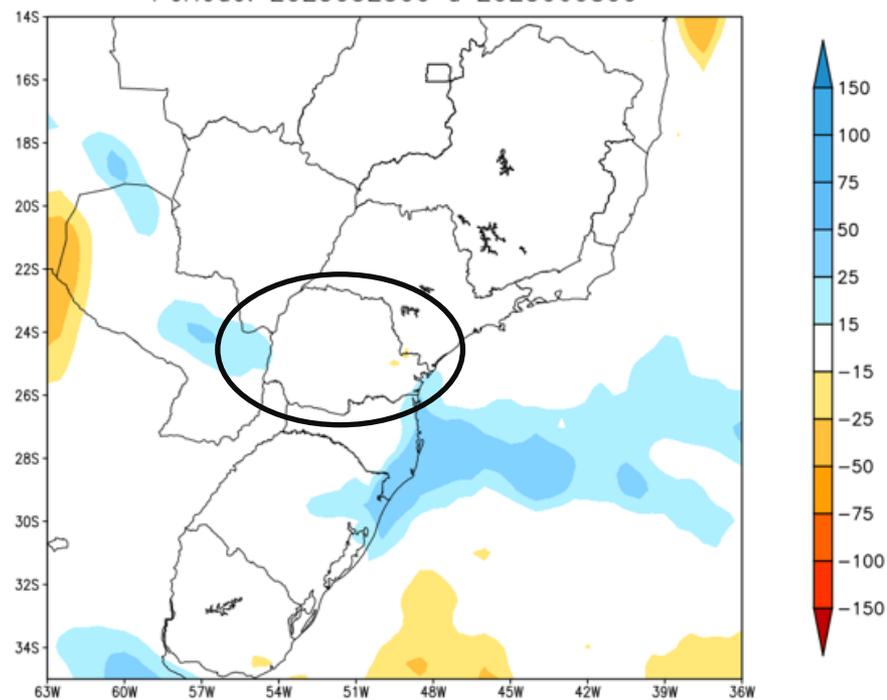
MODELO GFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitacao acumulada 14 dias (mm)
Previsao das 00Z dia 25/05/2023



Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023052500 a 2023060800

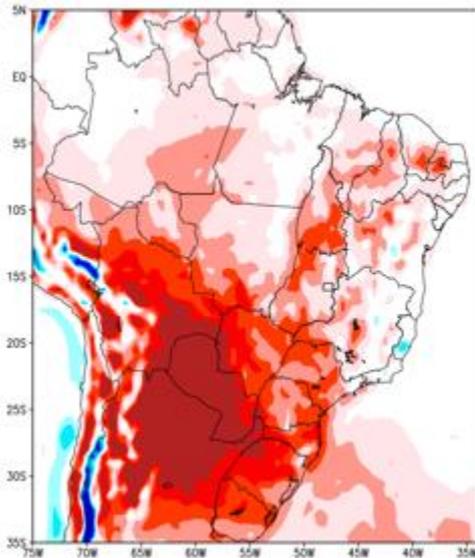


MODELO GFS

Previsão de Temperatura

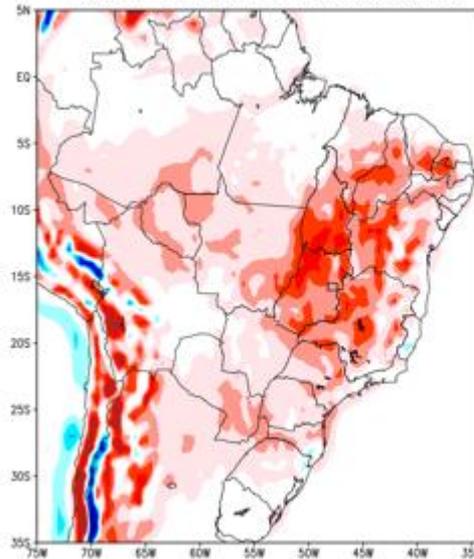
3 Dias

Anomalia de Temperatura BR (C)
Período: 2023052500 a 2023052800



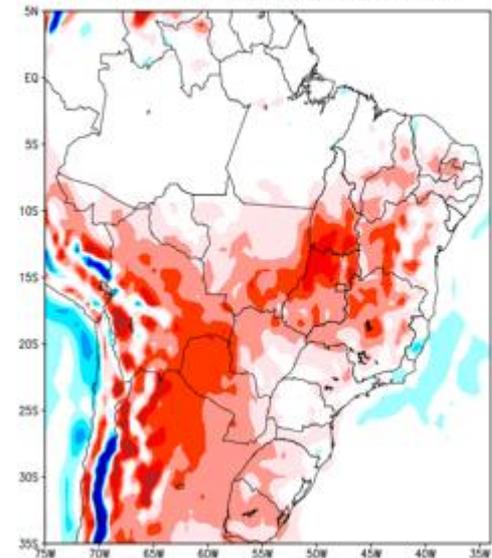
7 Dias

Anomalia de Temperatura BR (C)
Período: 2023052500 a 2023060100



8-14 Dias

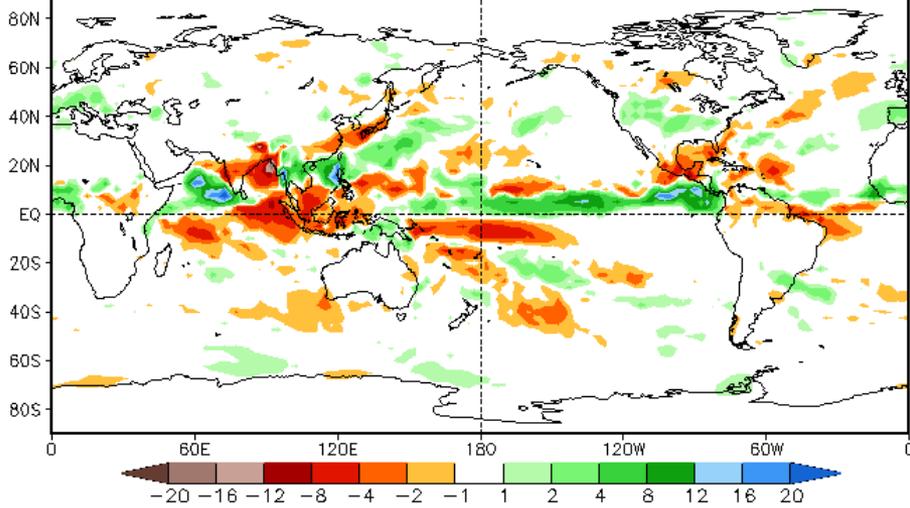
Anomalia de Temperatura BR (C)
Período: 2023060200 a 2023060800



Tendência 3a e 4a semanas

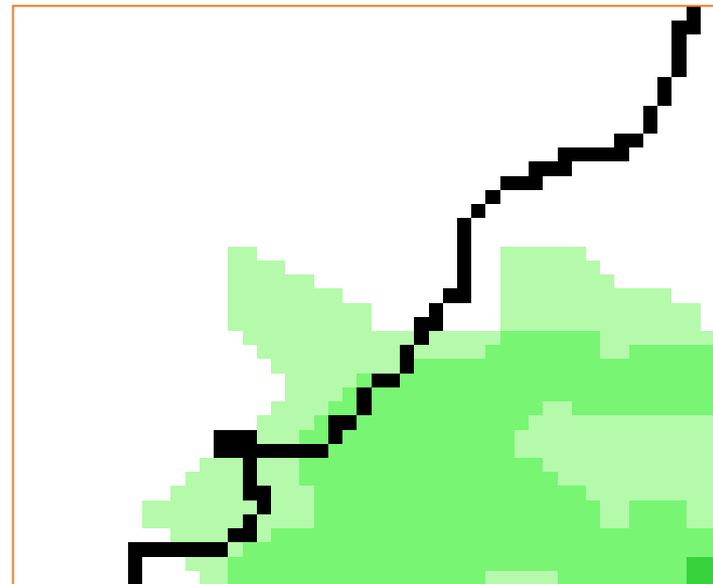
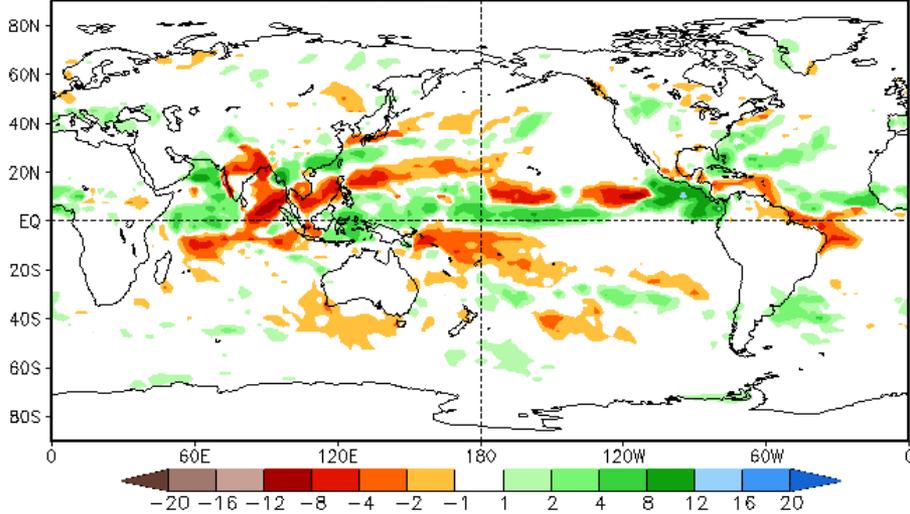
Week 3 Anomalies (mm/day)

8Jun2023–14Jun2023



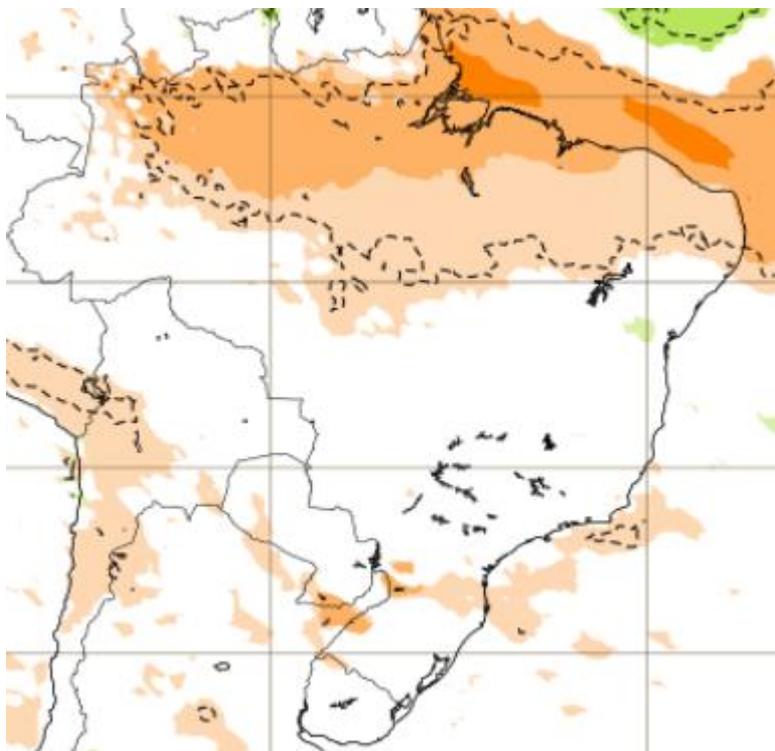
Week 4 Anomalies (mm/day)

15Jun2023–21Jun2023

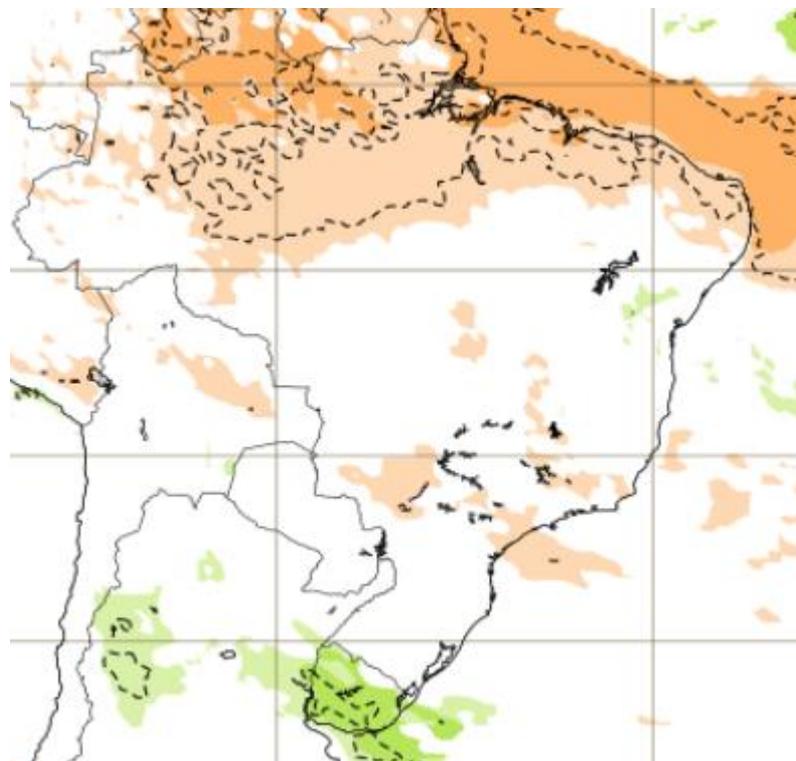


Tendência para 3ª e 4ª semanas

05-11/06



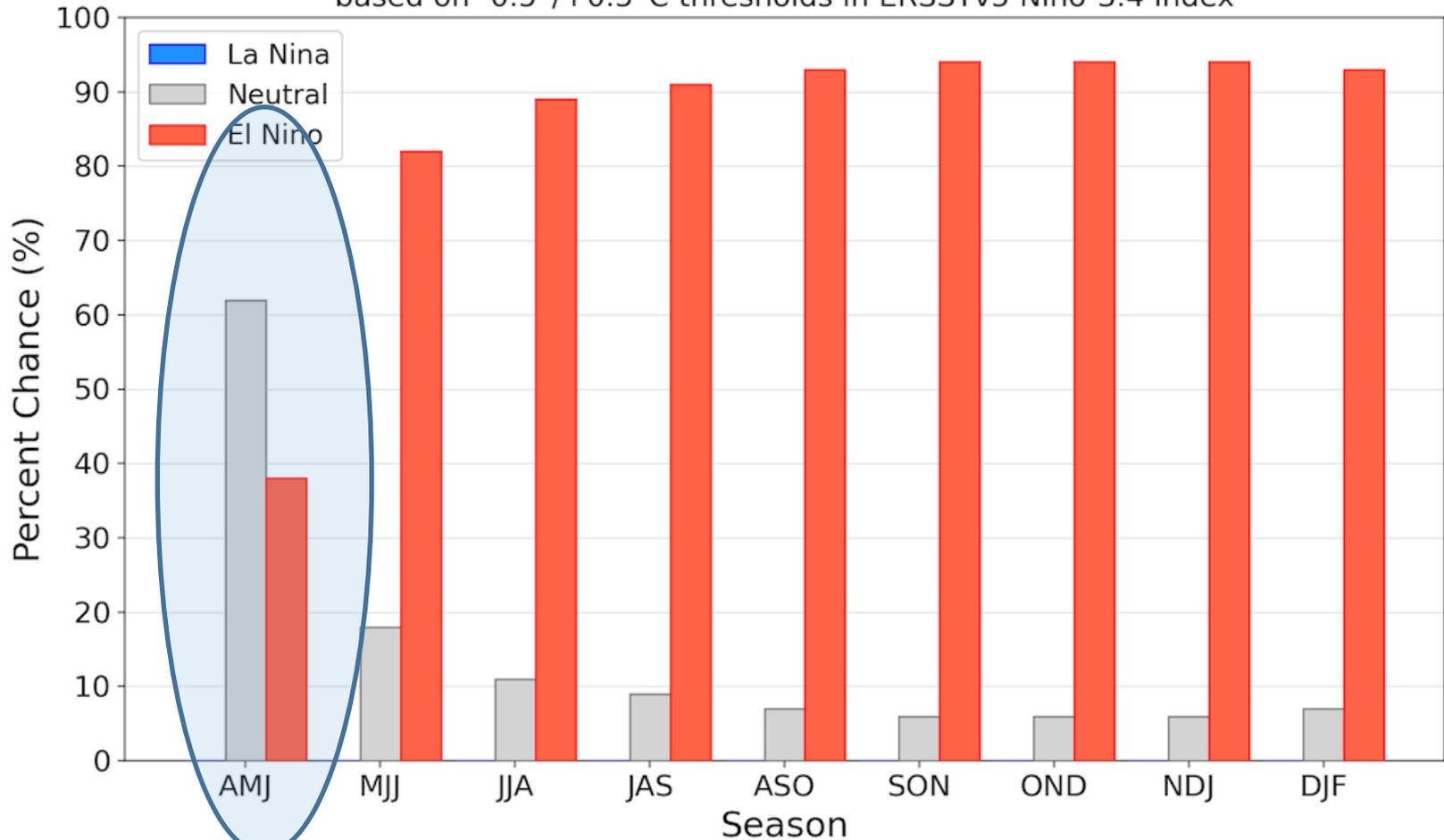
12-18/06



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued May 2023)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index

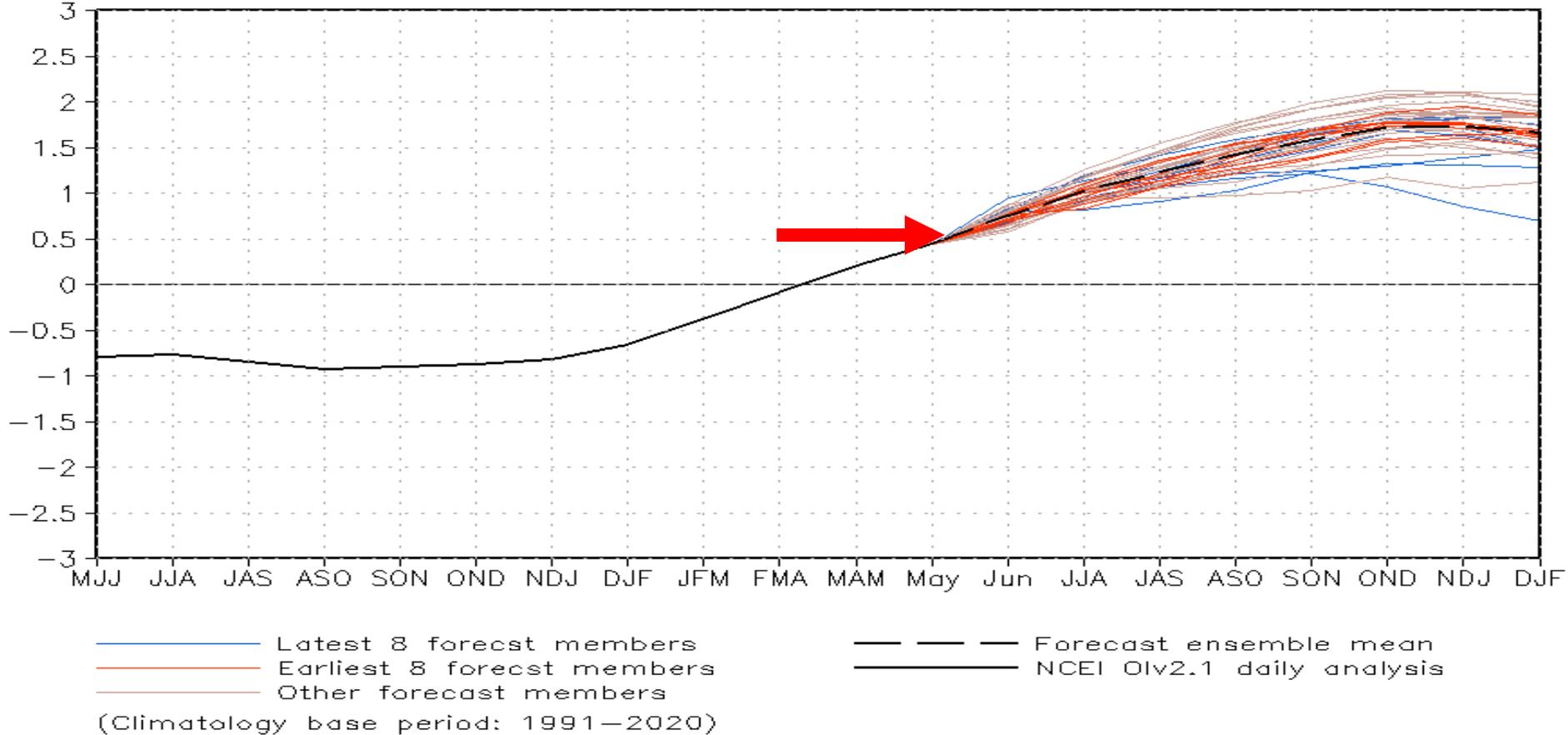


Status Atual: **Neutralidade**

FONTE: NOAA

Previsão do “ENSO”

CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)

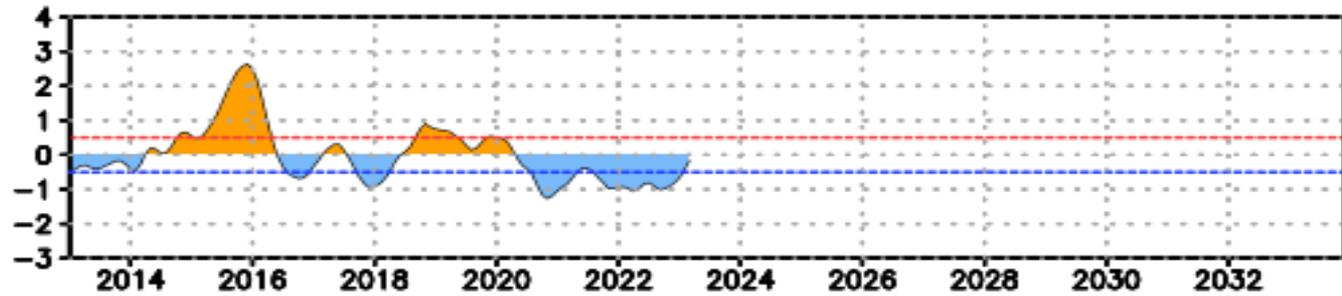
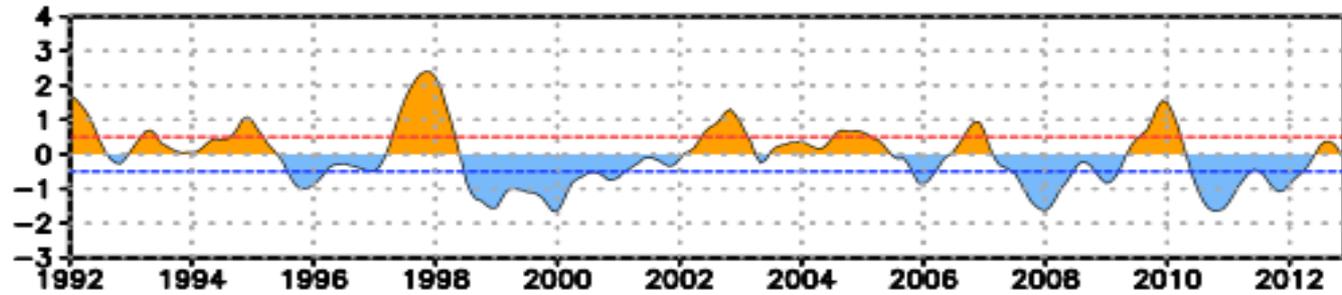
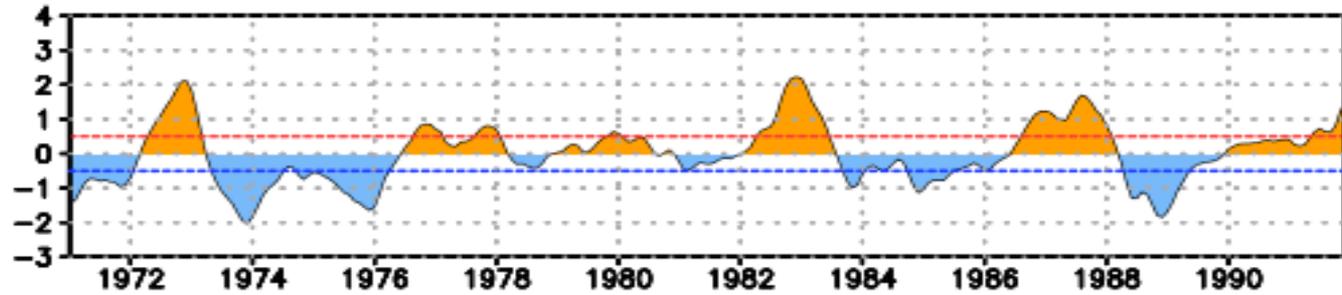
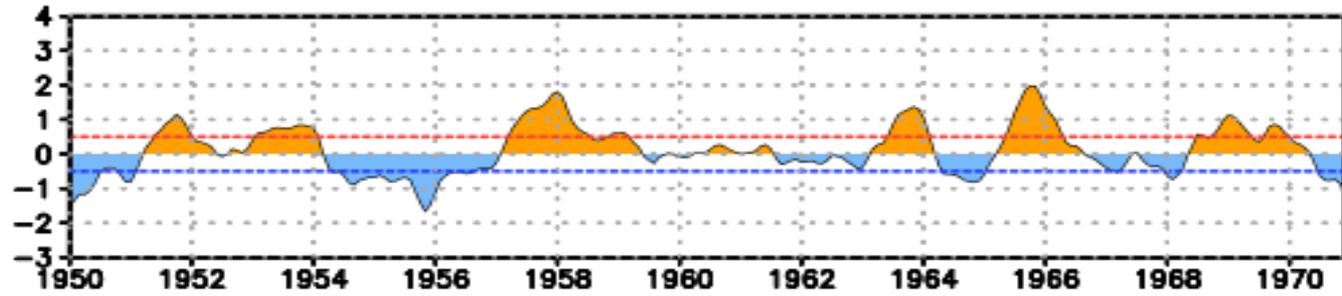


Atualizado: 22 de Maio 2023

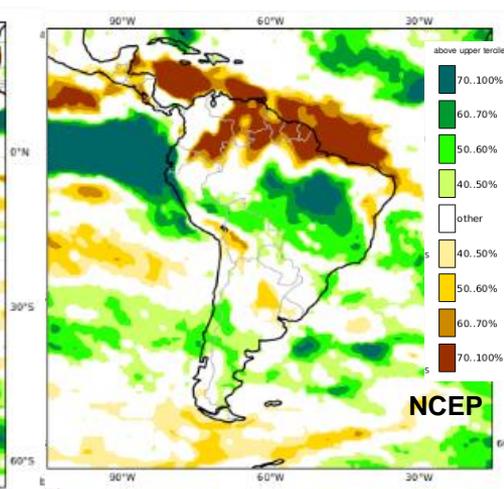
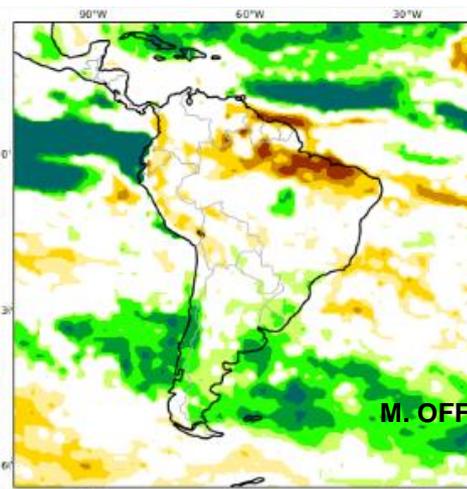
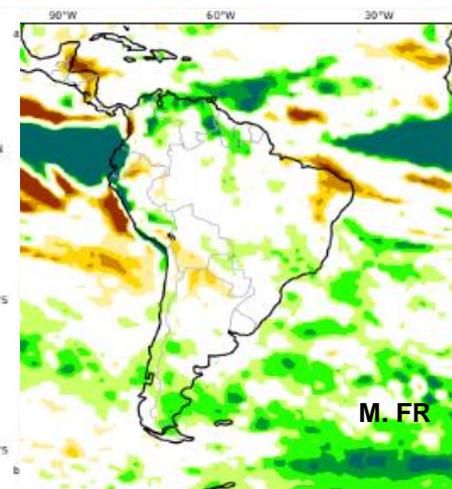
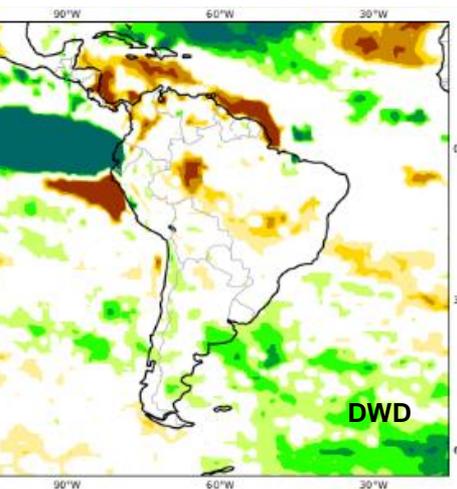
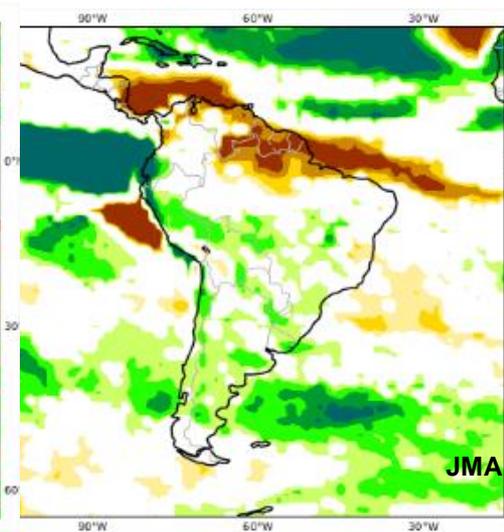
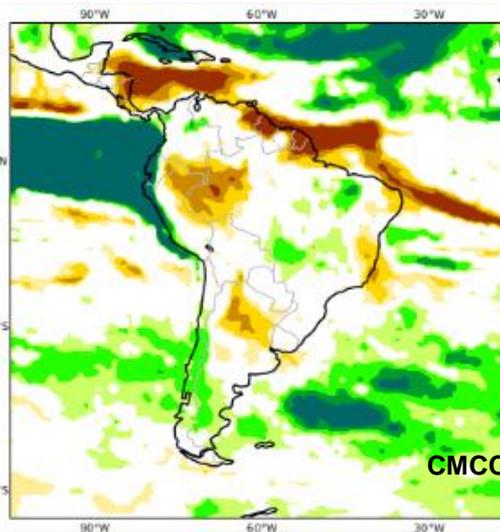
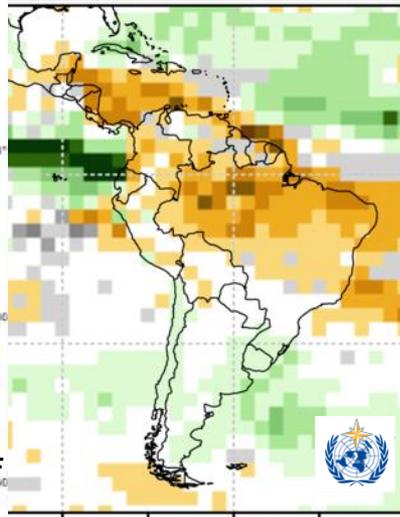
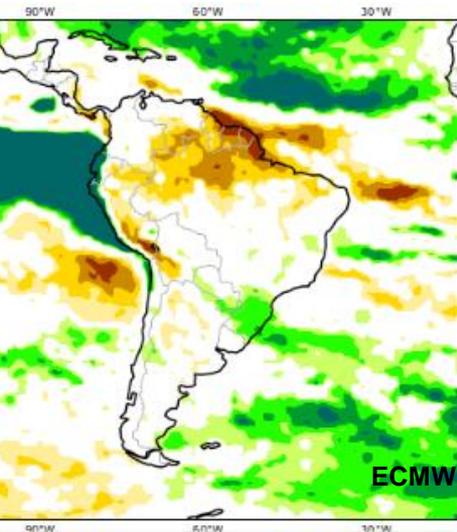
Oceanic Nino Index (ERSST.v5 ONI)

3mm Nino 3.4 SST Anomalies (varying 30yr base period)

SST Anoms (C)



Previsão sazonal de Chuva JJA



Previsão Multi Modelo JJA

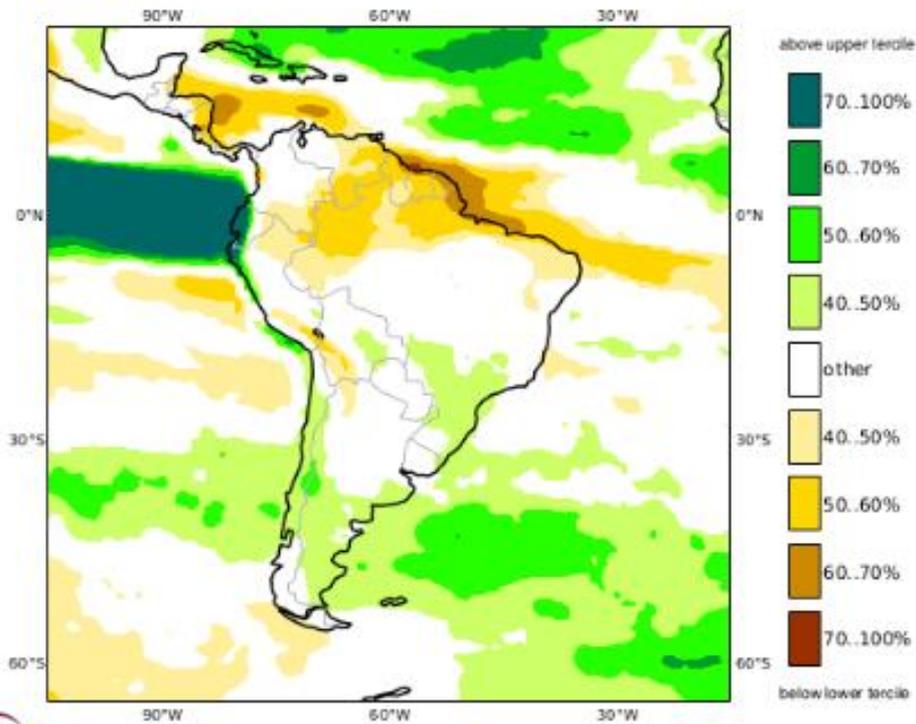
C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/23

Unweighted mean

JJA 2023



NMME Precipitation Anomalies (mm/day)

Jun2023-Aug2023

May2023 initial conditions

