

# Monitoramento da bacia do rio Paranapanema

JUNHO/2024



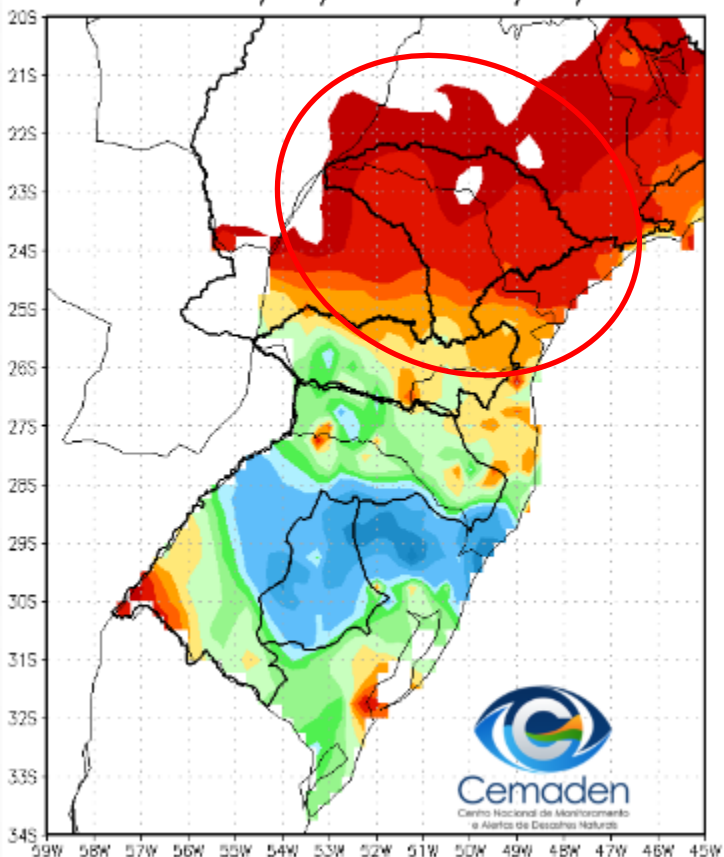
UNIDADE DE PESQUISA DO MCTI

MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA  
E INOVAÇÕES

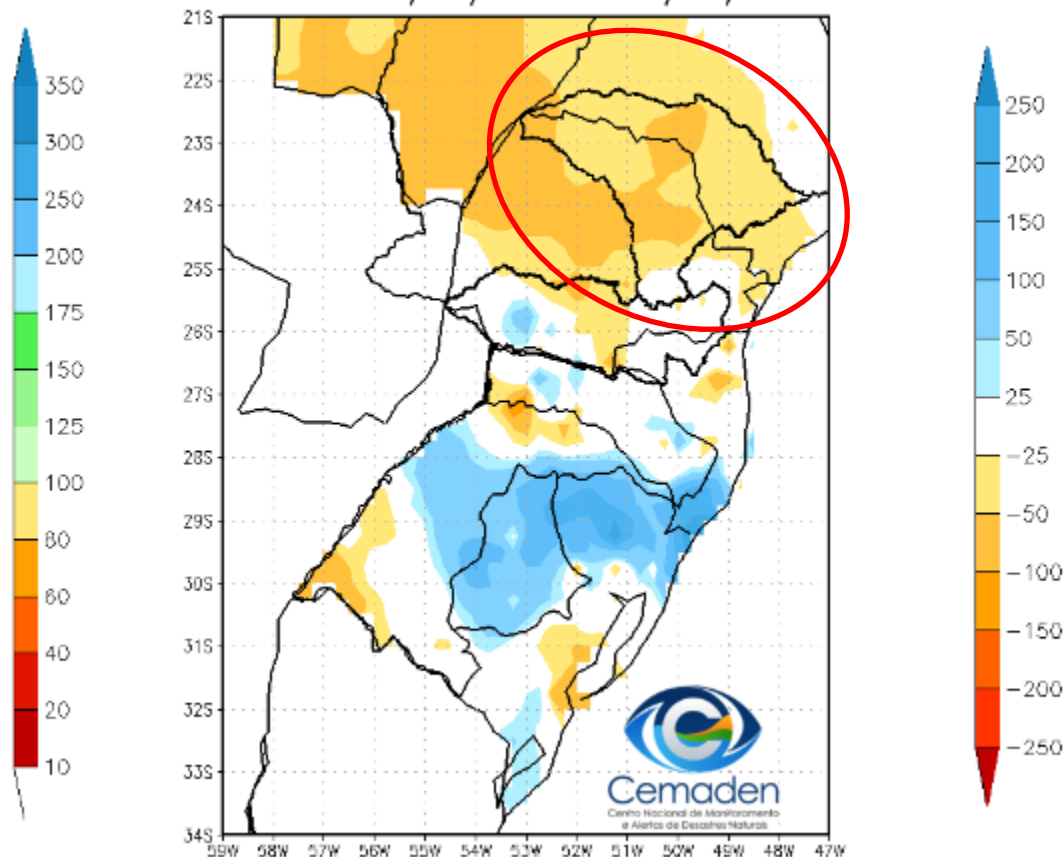


## Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.  
Período: 27/05/2024 a 26/06/2024

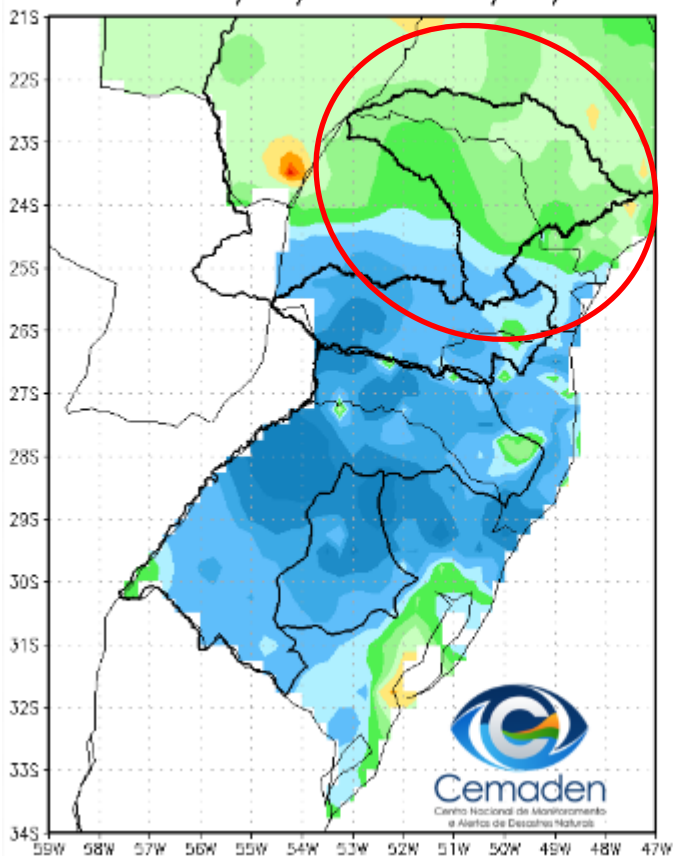


Anomalia de Precipitação (mm) A.S.  
Período: 27/05/2024 a 26/06/2024

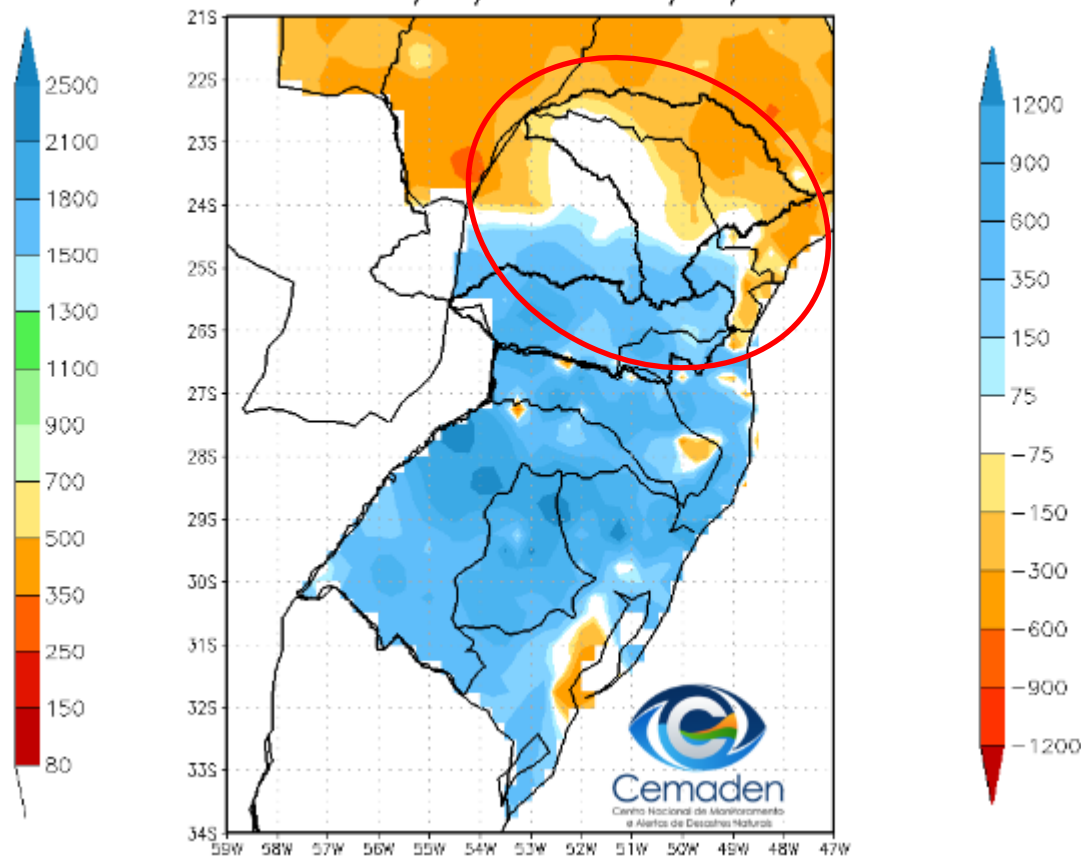


## Precipitação acumulada Ano Hidrológico

Precipitação Acumulada (mm) A.S.  
Período: 01/10/2023 a 26/06/2024

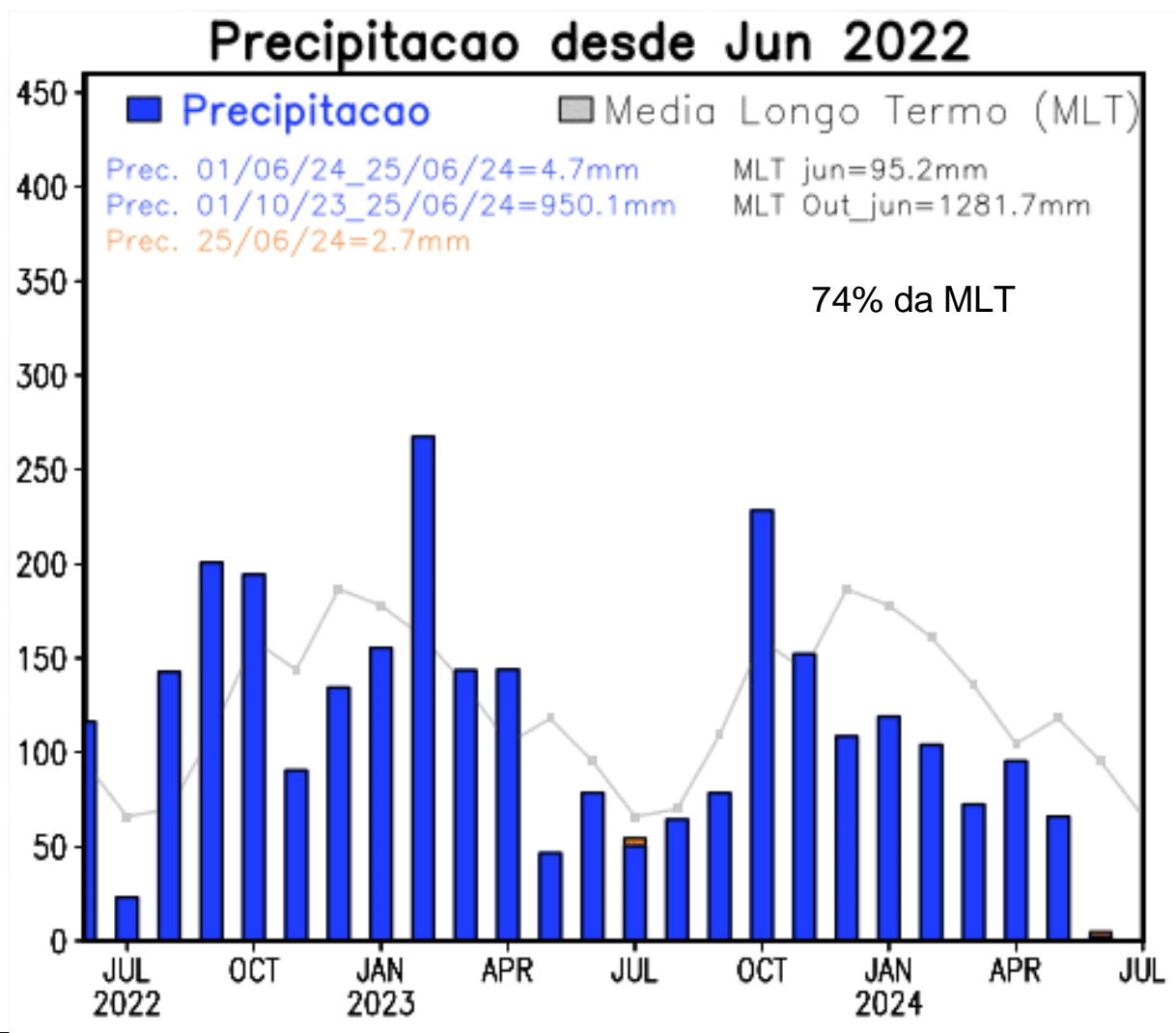


Anomalia de Precipitação (mm) A.S.  
Período: 01/10/2023 a 26/06/2024





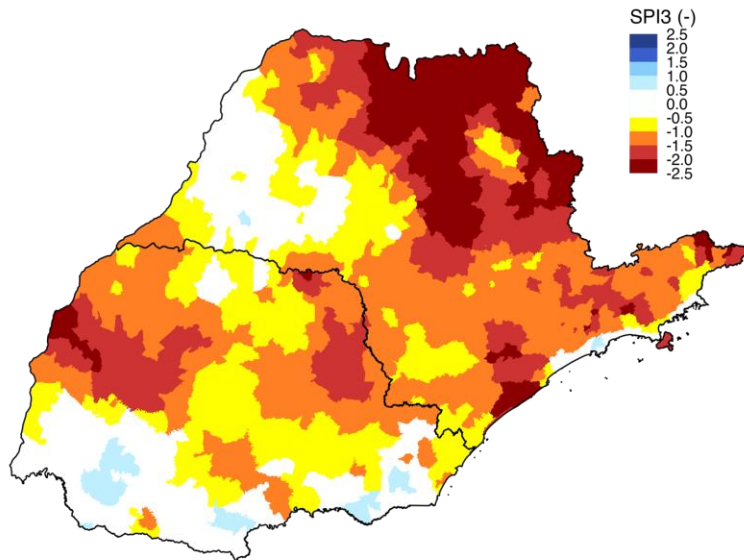
## Evolução temporal da precipitação





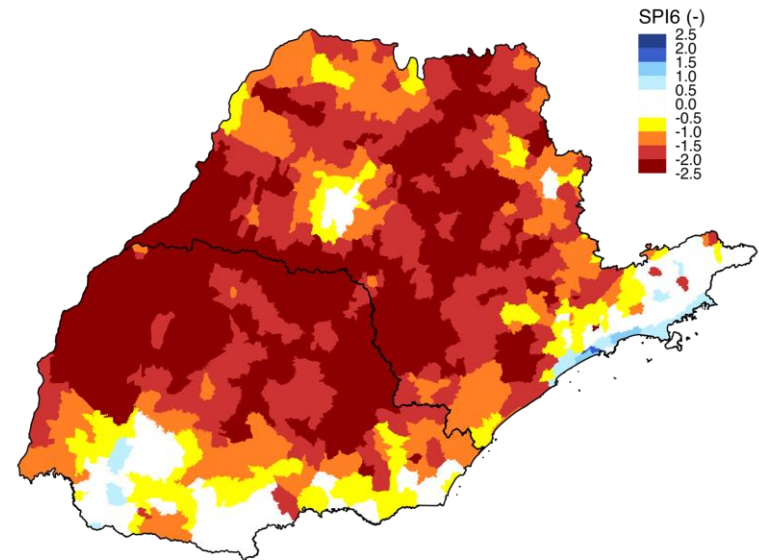
## SPI: JUNHO 2024

### SPI-03



Junho 2024  
Índice Padronizado de Precipitação (SPI, 3 meses)  
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

### SPI-06



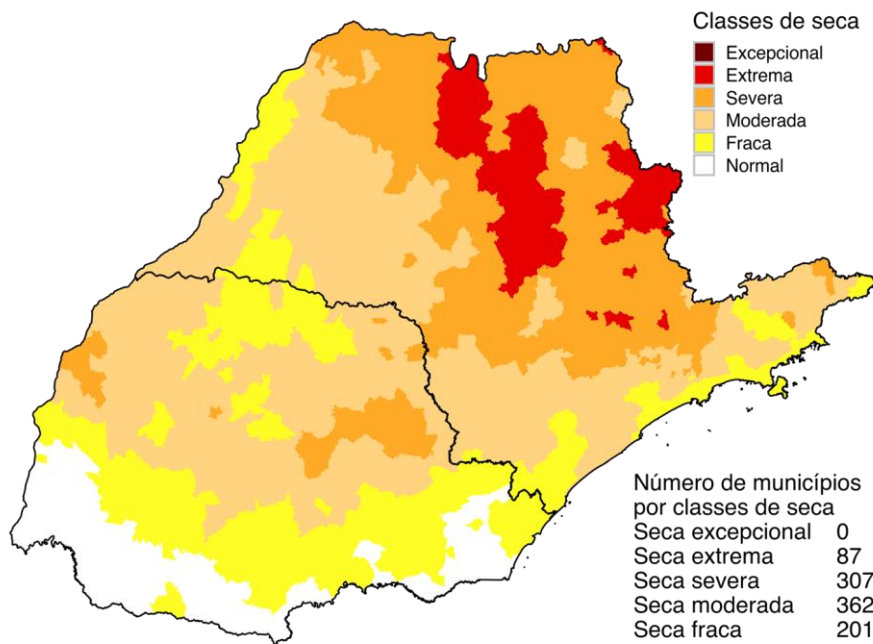
Junho 2024  
Índice Padronizado de Precipitação (SPI, 6 meses)  
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.



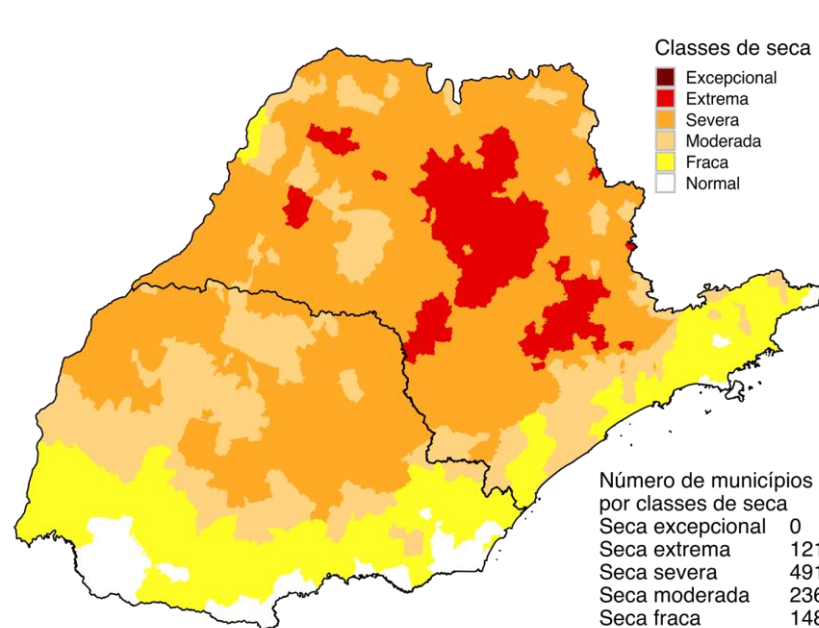
## ÍNDICE INTEGRADO DE SECA - IIS

(SPI3 E 6 + VHI + AUS): JUNHO/2024

**IIS 3 MESES**

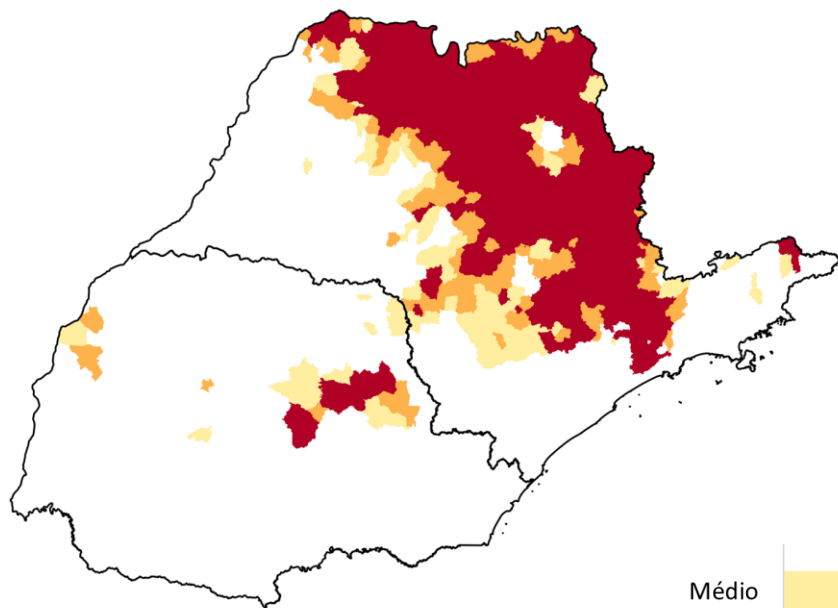


**IIS 6 MESES**

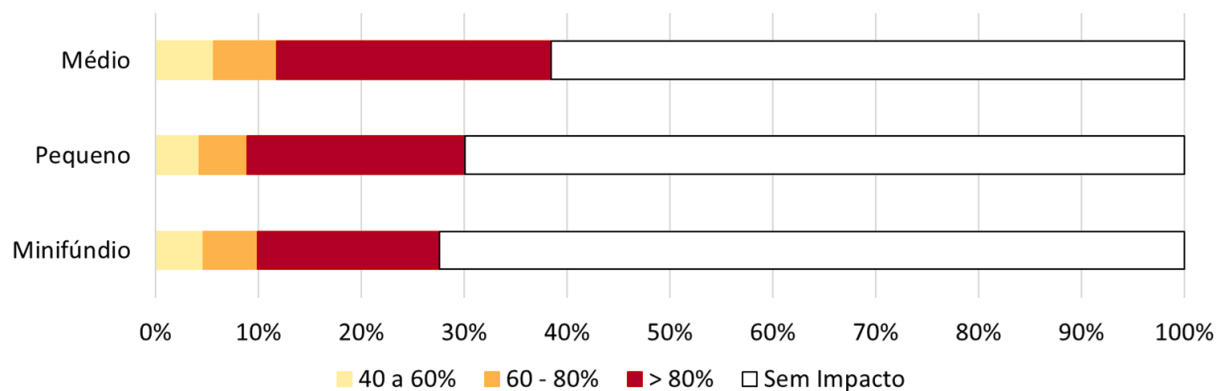




## ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS IIS-03 JUNHO/24

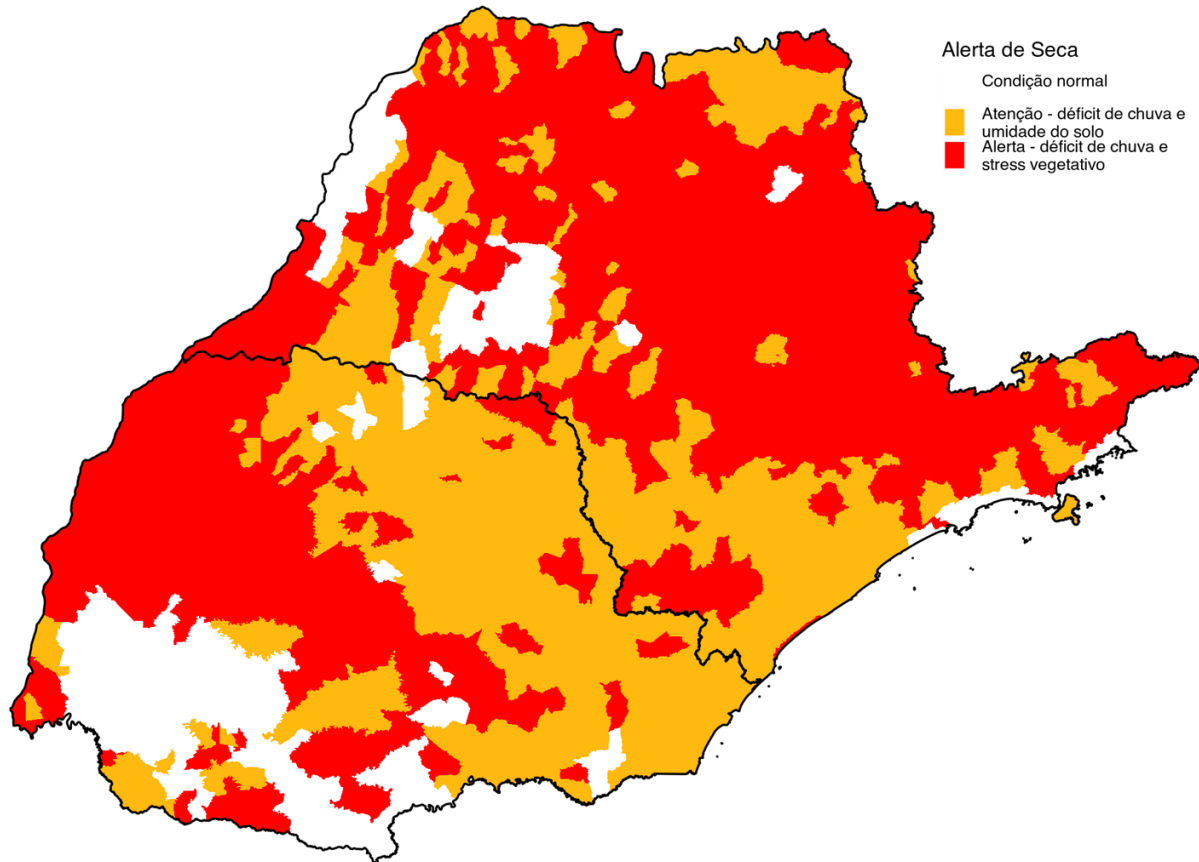


UF	40 a 60%	60 - 80%	> 80%
PR	9	8	4
SP	51	56	291



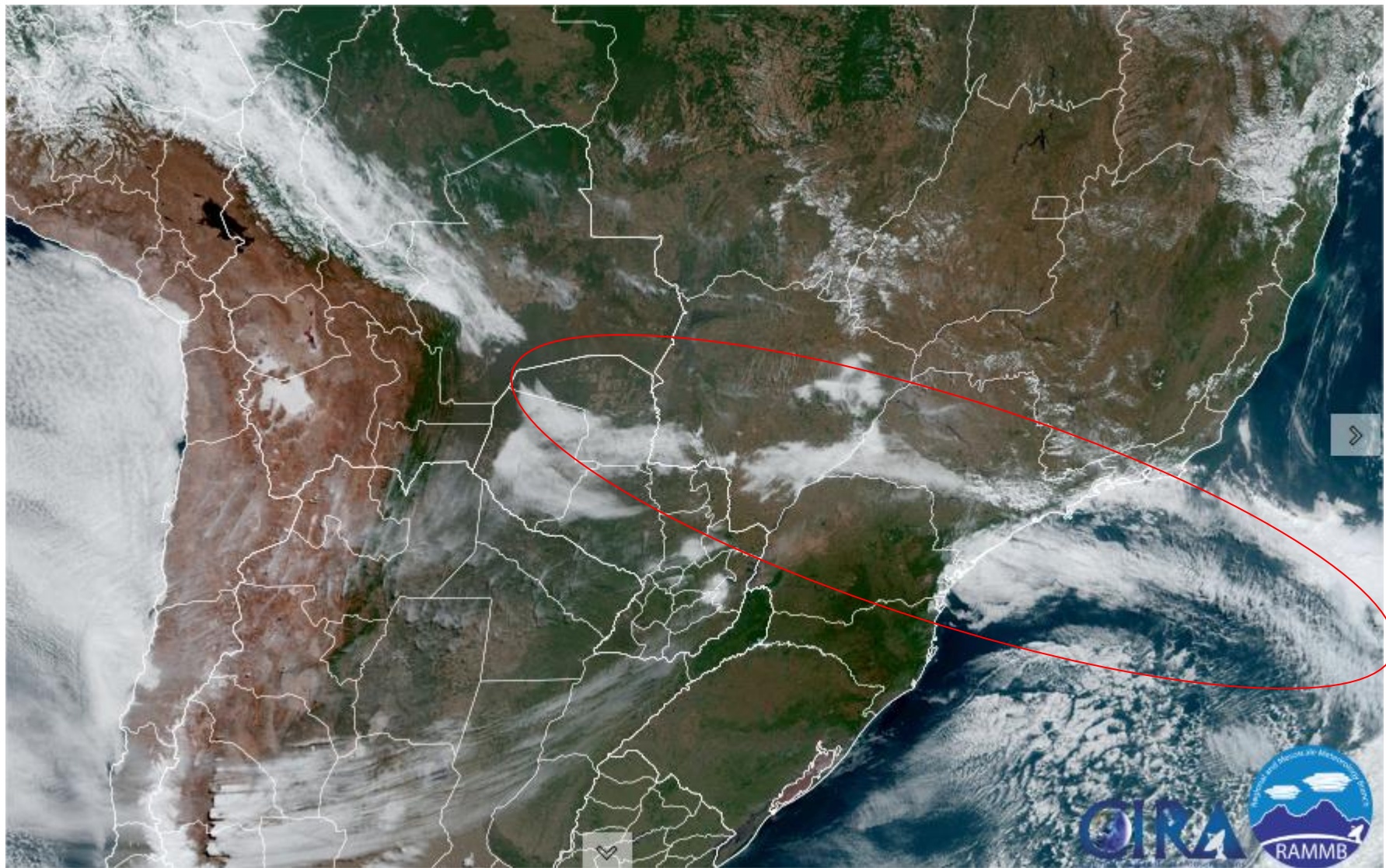


# PROGRESSÃO INCREMENTAL DAS CONDIÇÕES DE SECA (PICS) JUNHO 2024





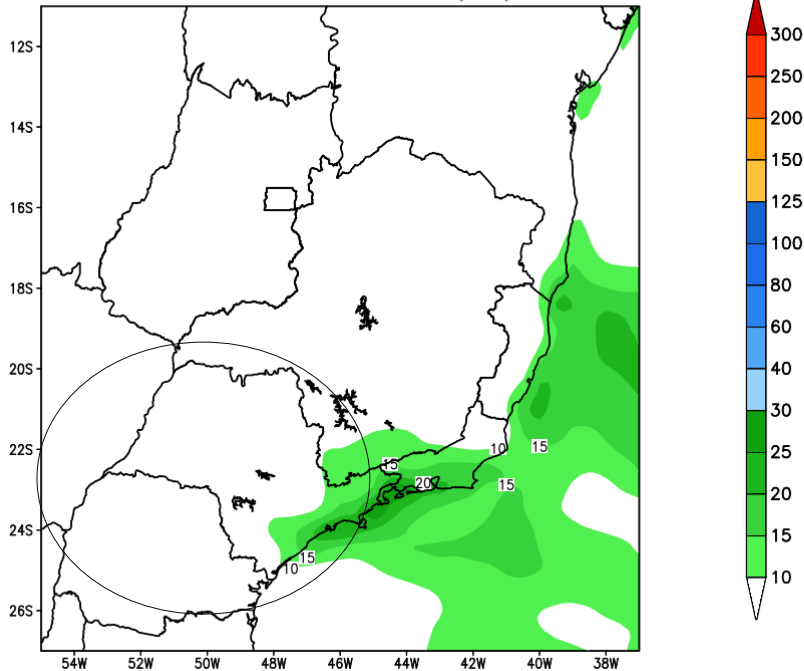
# Situação meteorológica atual



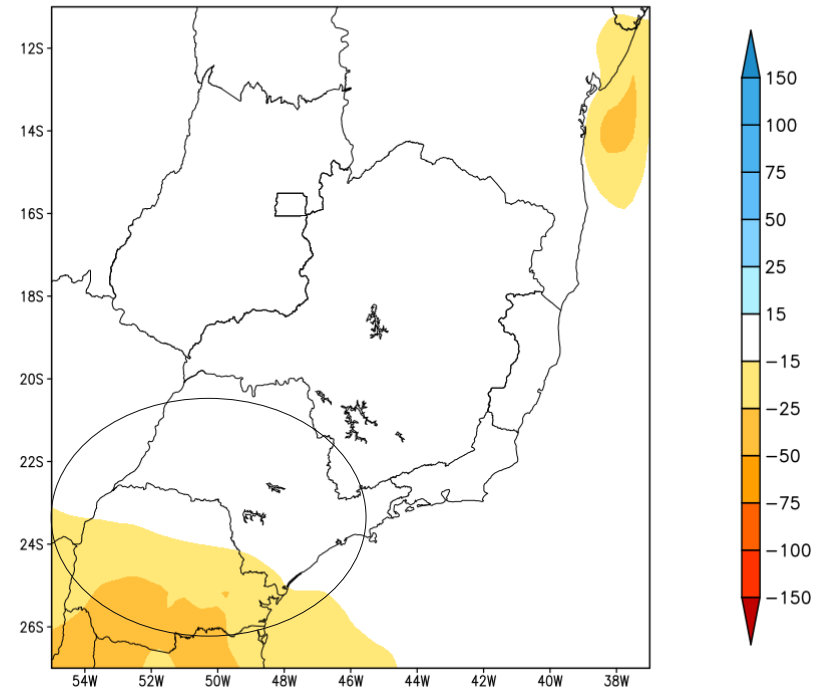


## Previsão de chuva próximos 7 dias

GEFS / BRASIL\_SE  
Precipitação acumulada 1aSem (mm)  
Previsão das 00Z dia 27/06/2024



Anomalia de Precipitação BR\_SE (mm)  
Período: 2024062700 a 2024070400

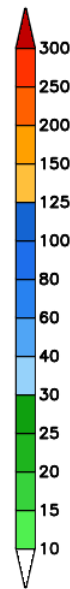
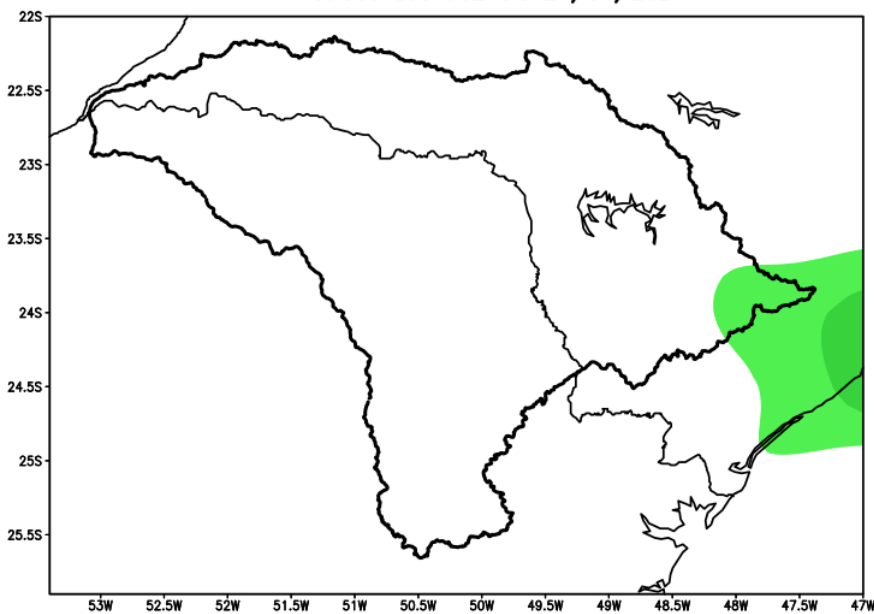


MODELO GEFS

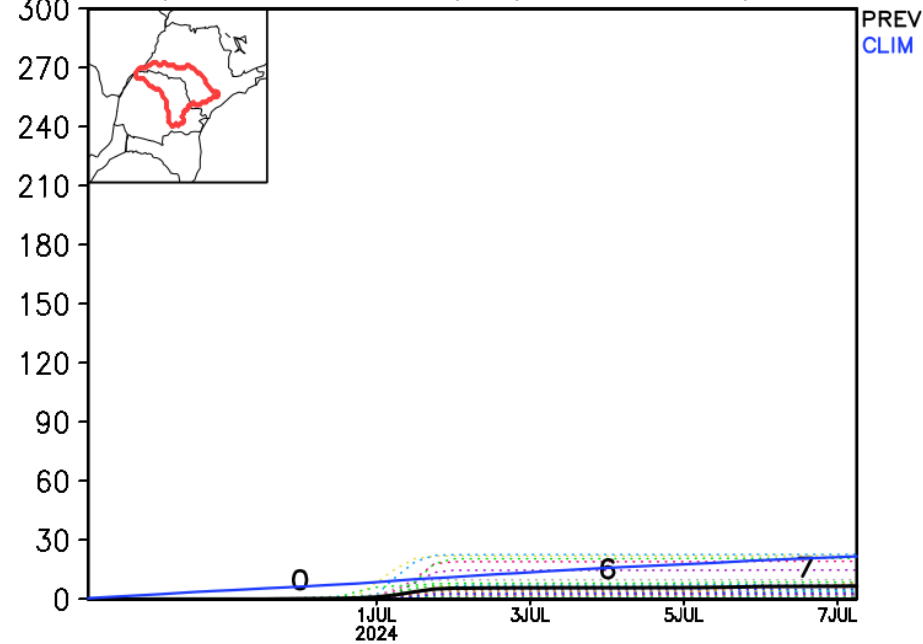


## Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema  
Precipitação acumulada em 7 dias (mm)  
Previsão das 00Z dia 27/06/2024



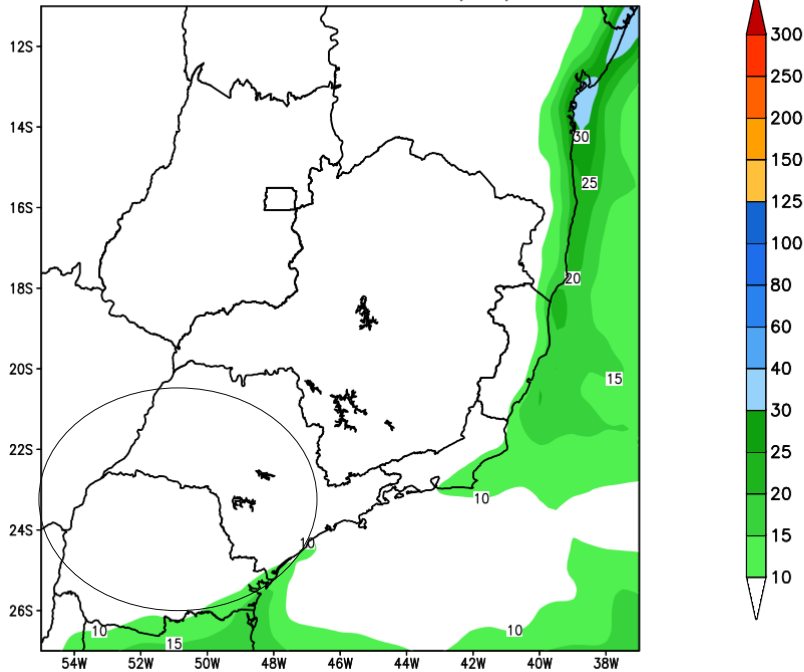
Precipitação acumulada (mm): Bacia Paranapanema



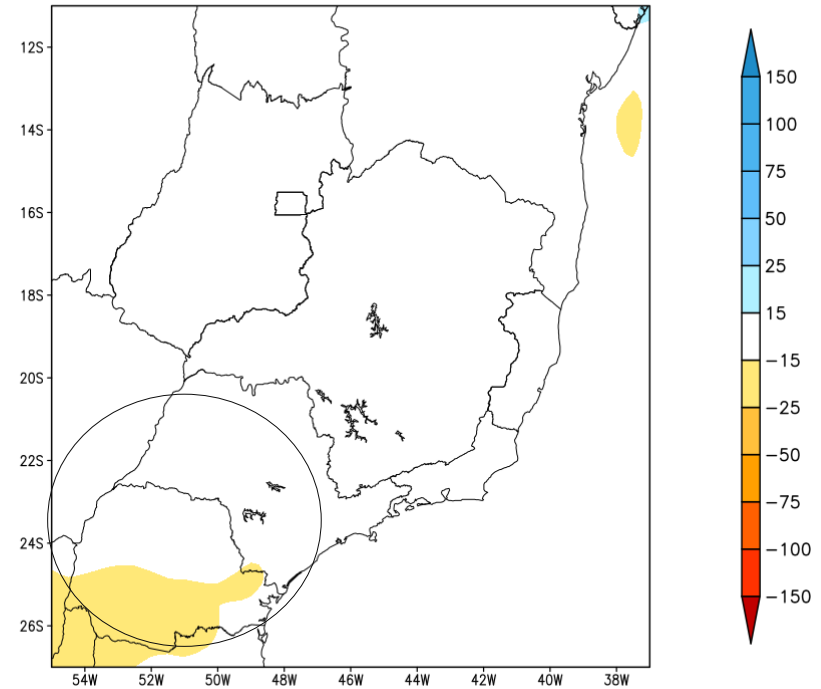


## Tendência para a segunda semana

GEFS / BRASIL\_SE  
Precipitação acumulada 2ªSem (mm)  
Previsão das 00Z dia 27/06/2024



Anomalia de Precipitação BR\_SE (mm)  
Período: 2024070500 a 2024071100

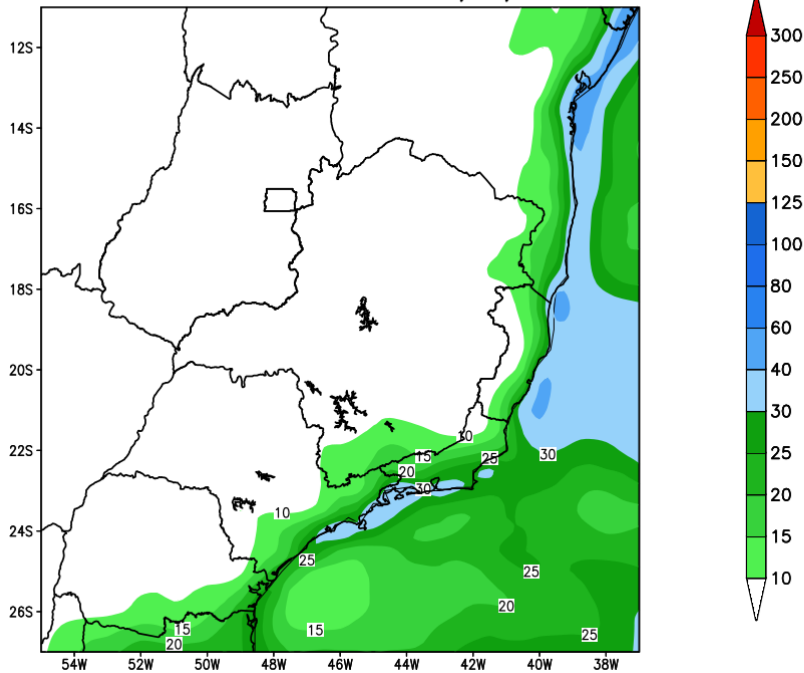


MODELO GEFS

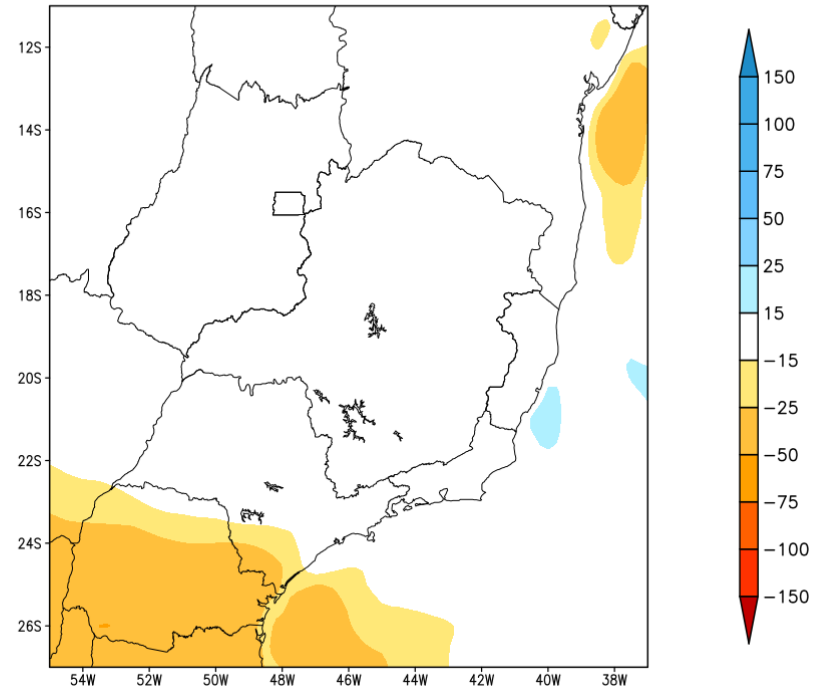


## Tendência para as duas próximas semanas

GEFS / BRASIL\_SE  
Precipitação acumulada 14 dias (mm)  
Previsão das 00Z dia 27/06/2024



Anomalia de Precipitação BR\_SE (mm)  
Período: 2024062700 a 2024071100

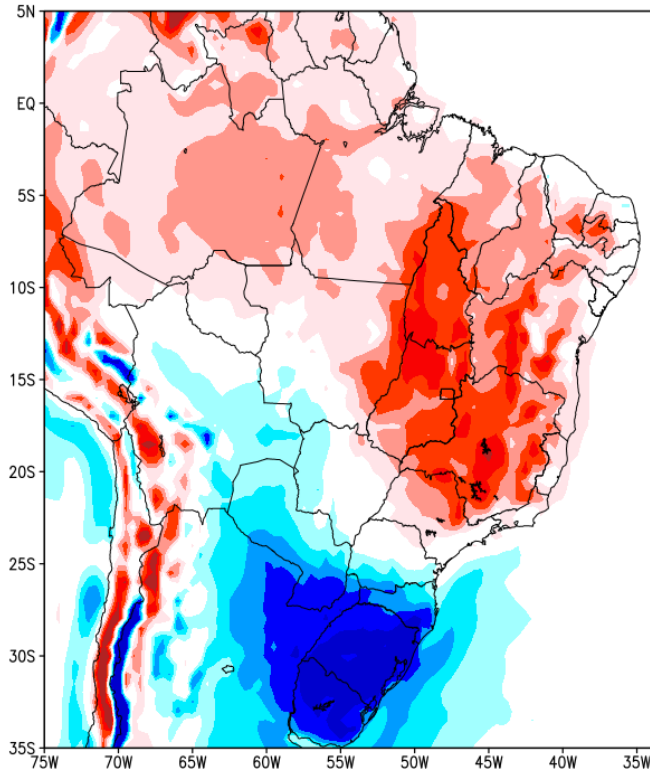


MODELO GEFS

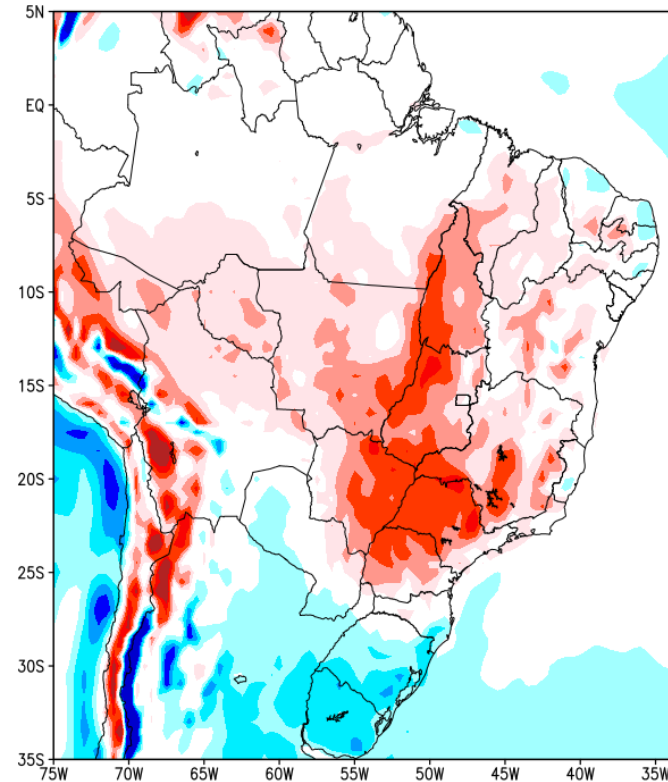


## Previsão de Temperatura

Anomalia de Temperatura BR (C)  
Período: 2024062700 a 2024070400



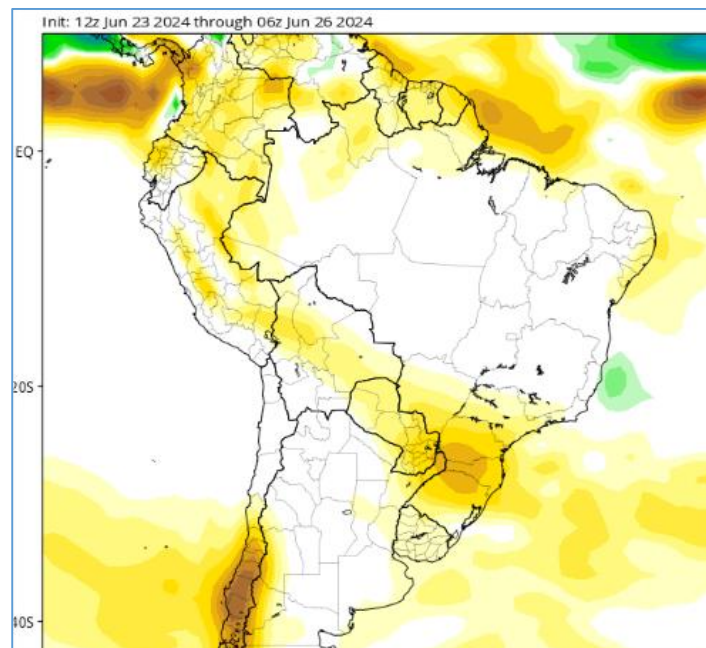
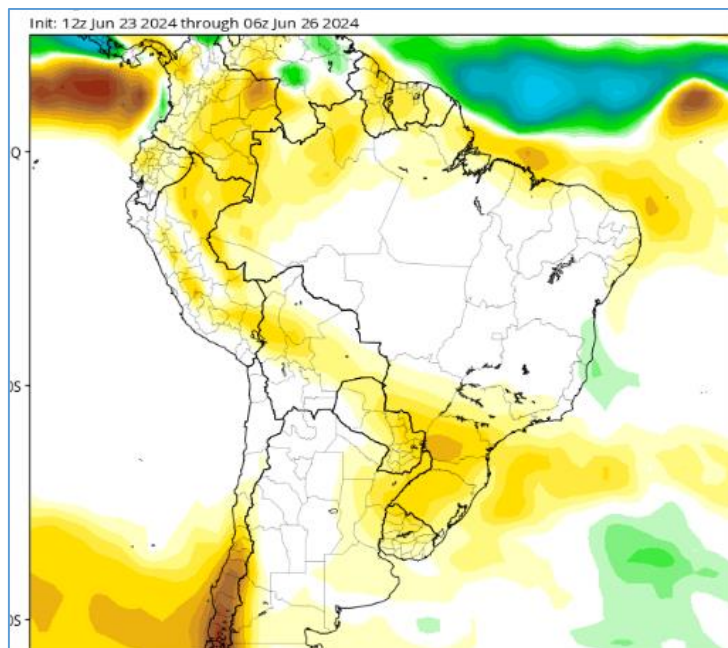
Anomalia de Temperatura BR (C)  
Período: 2024070500 a 2024071100



# Tendência 3a e 4a semanas

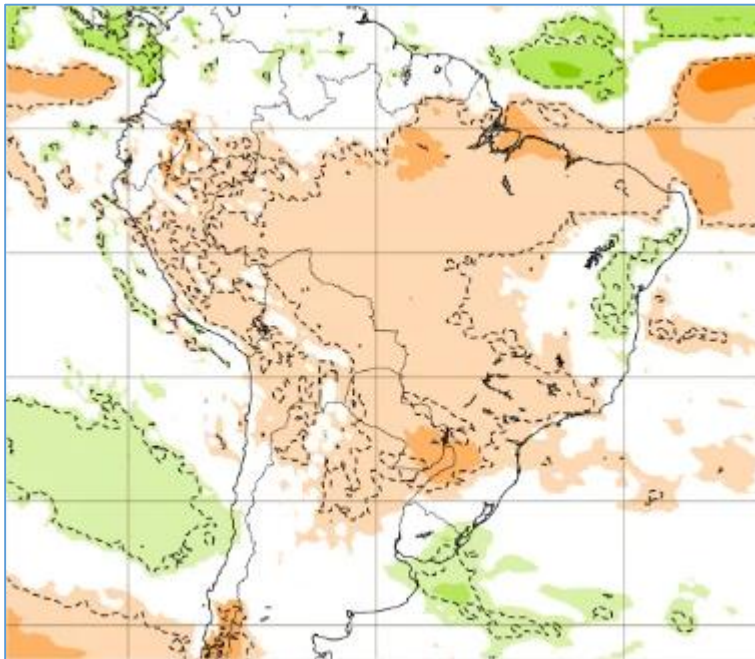
10-17 Julho

17-24 Julho

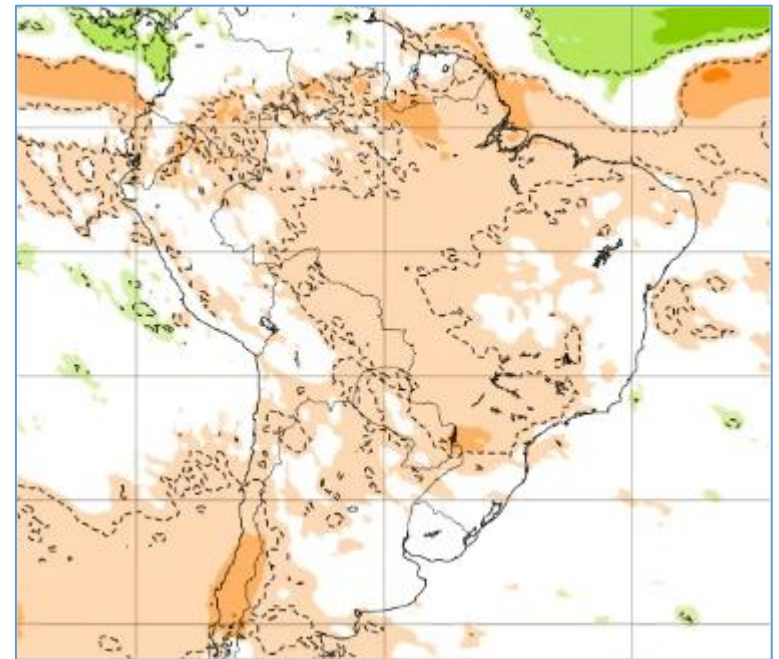


# Tendência para 3ª e 4ª semanas

09-16 Julho



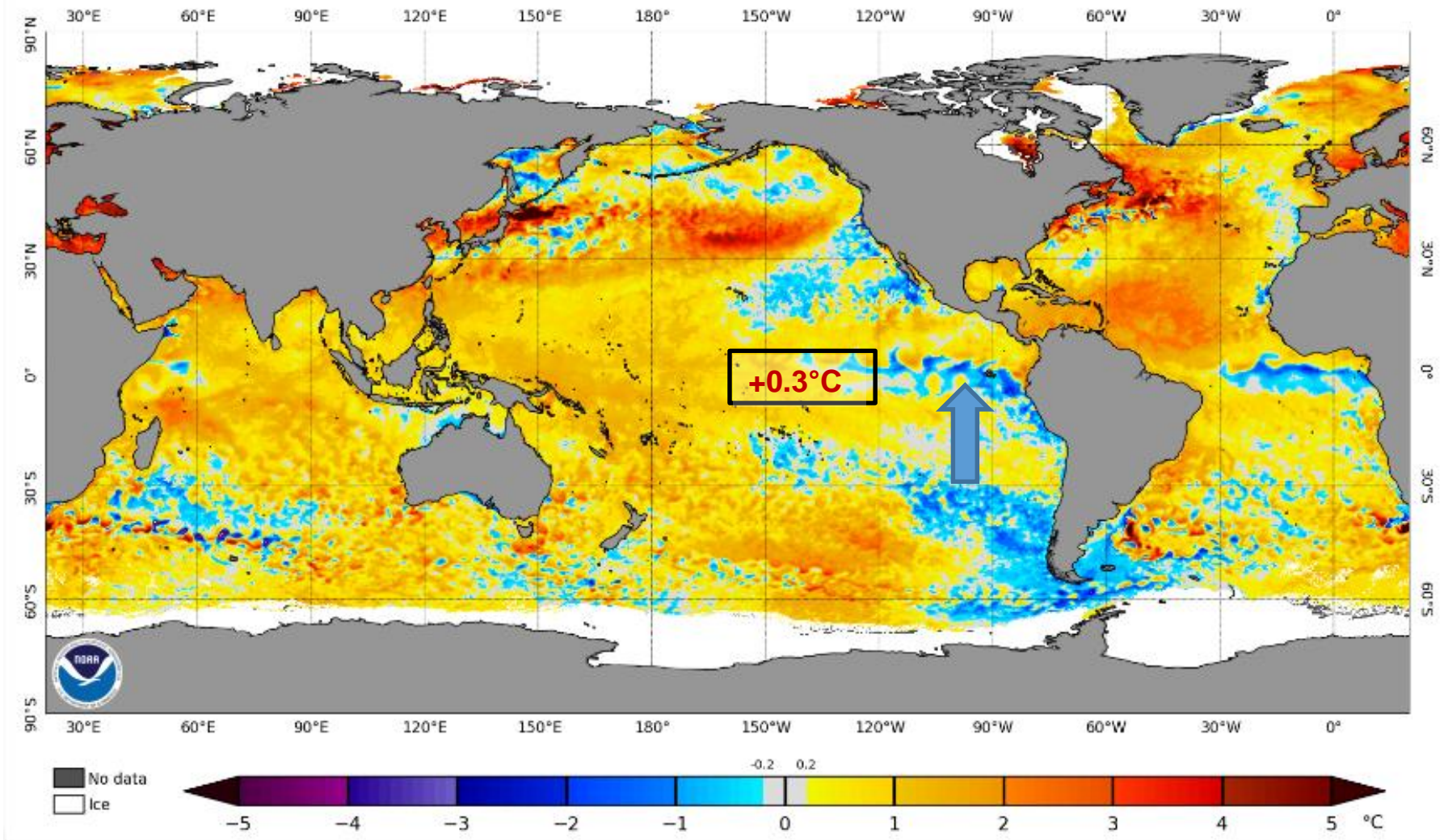
16-23 Julho





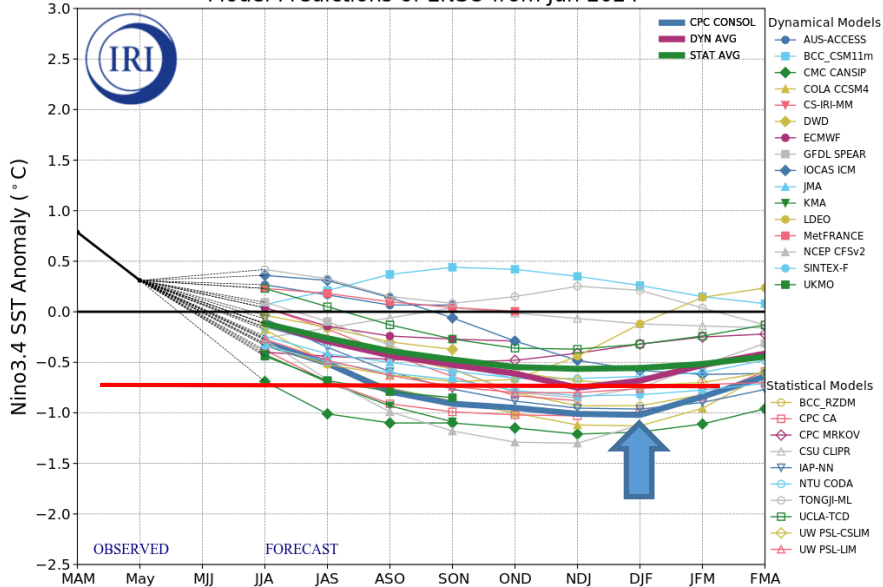
# Status Atual: “Final El Niño”/ La Niña Watch

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 25 Jun 2024

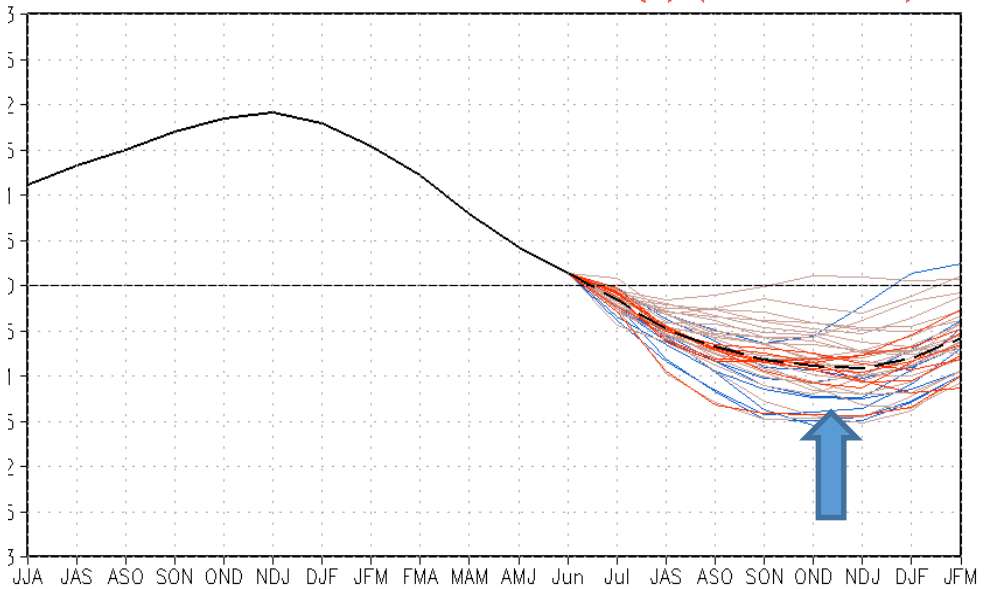


# Previsão do "ENSO"

Model Predictions of ENSO from Jun 2024

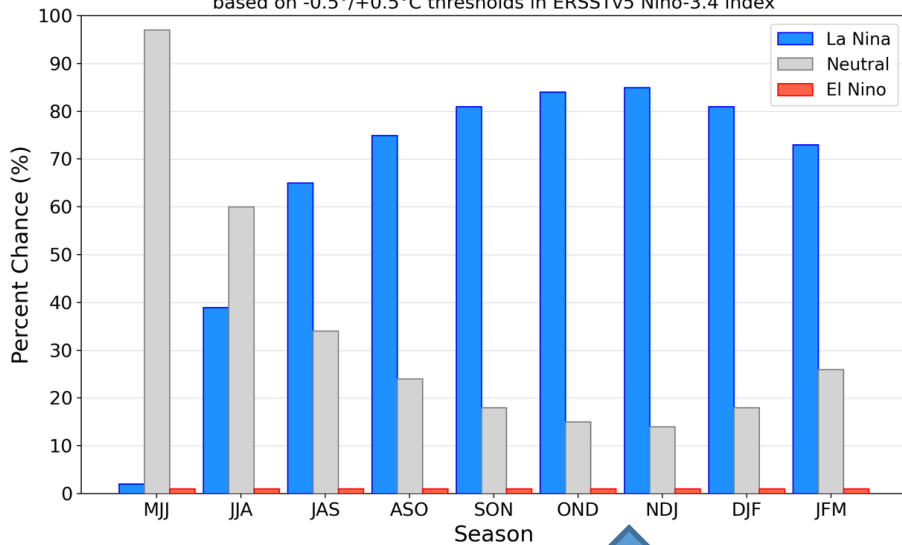


CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



## Official NOAA CPC ENSO Probabilities (issued June 20)

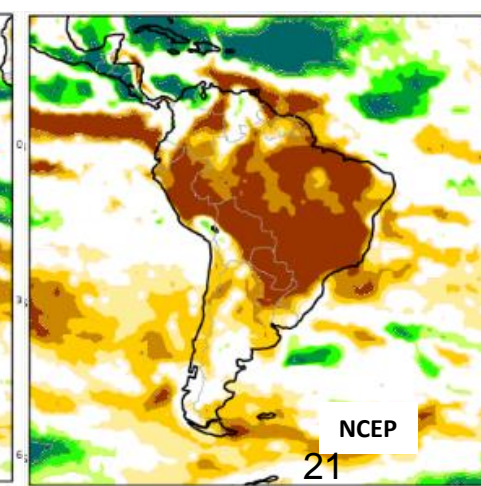
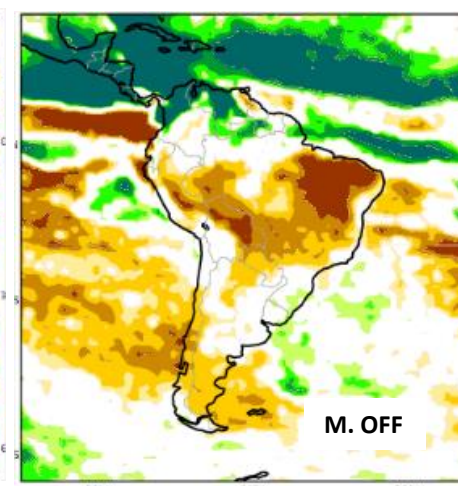
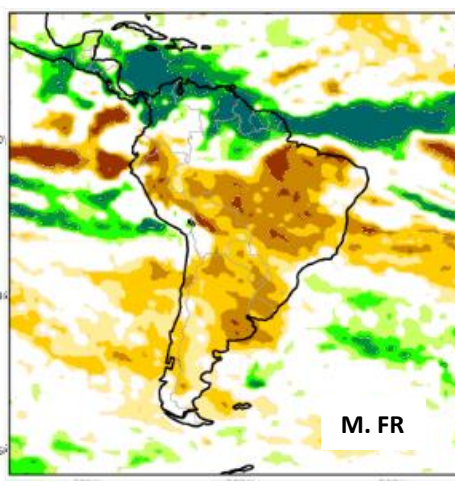
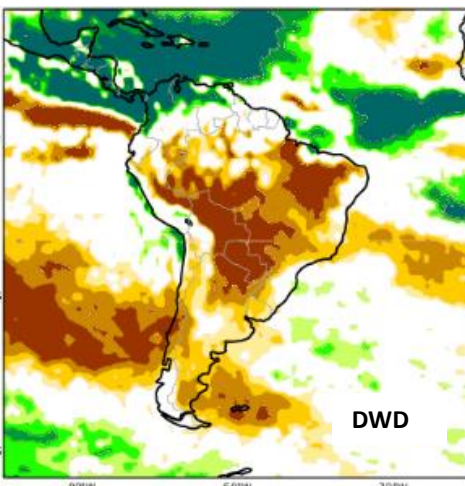
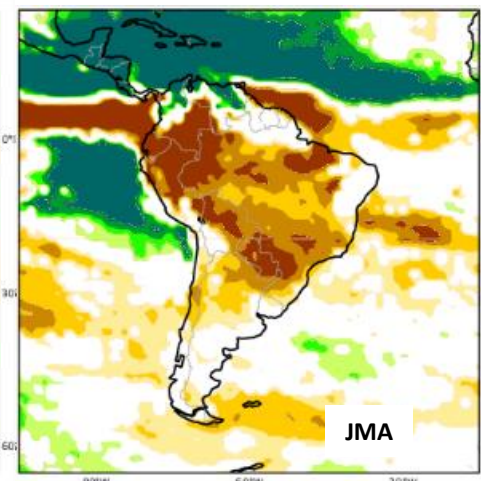
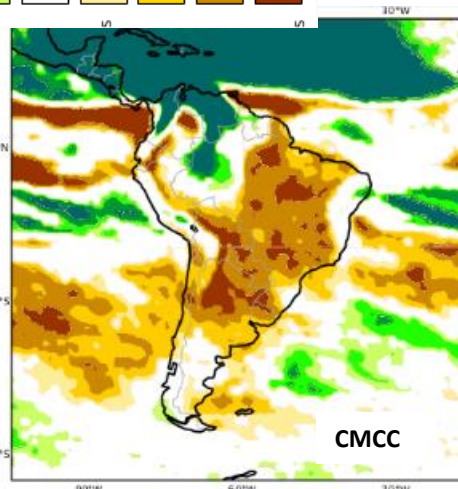
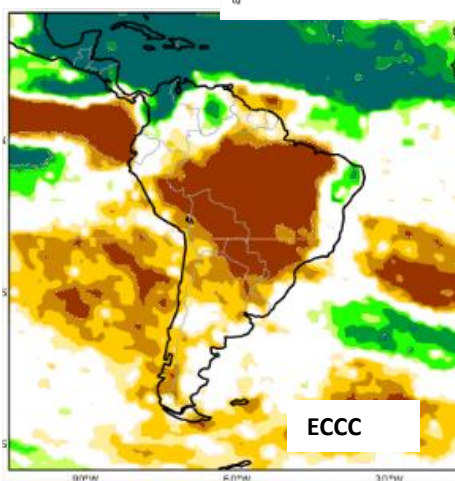
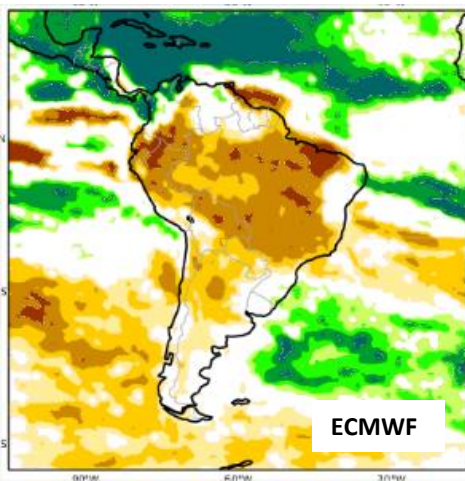
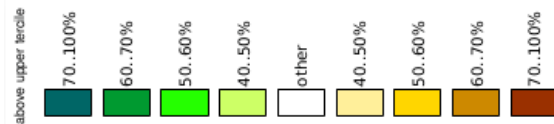
based on -0.5°/+0.5°C thresholds in ERSSTv5 Niño-3.4 index



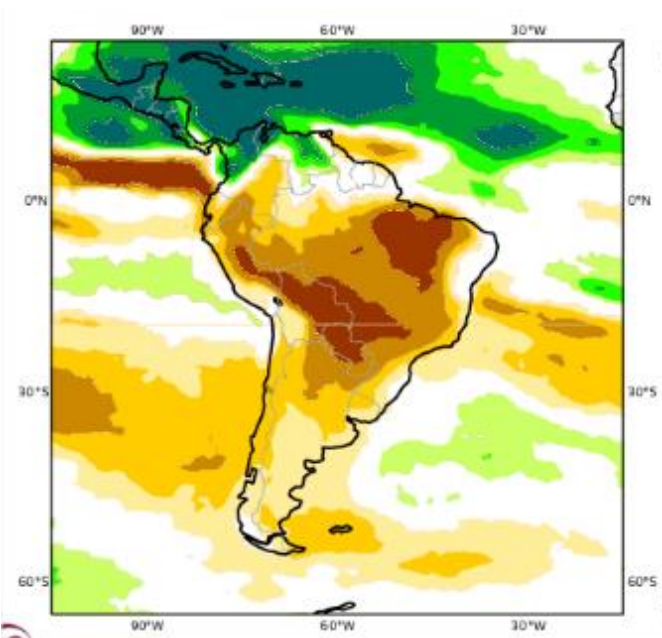
— Latest 8 forecast members  
— Earliest 8 forecast members  
— Other forecast members  
— — — Forecast ensemble mean  
— NCEI Olv2.1 daily analysis  
 (Climatology base period: 1991–2020)

Atualizado 24 de Junho

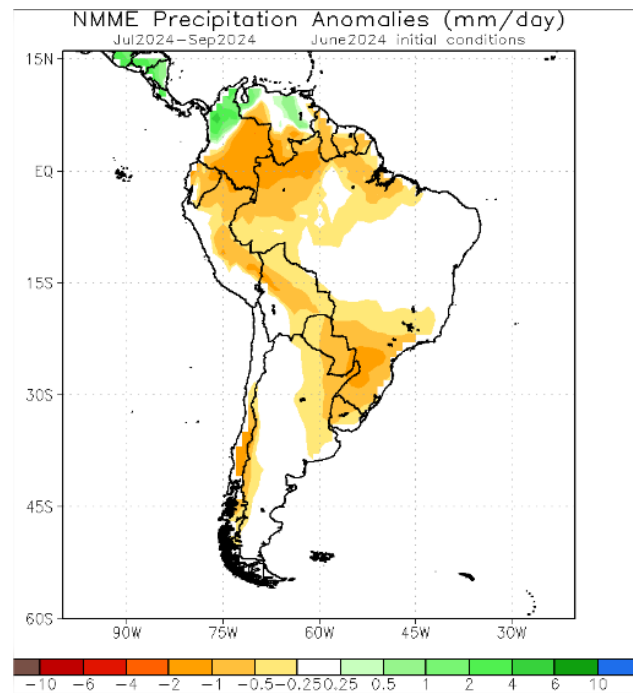
# Previsão Sazonal de Chuva JJA



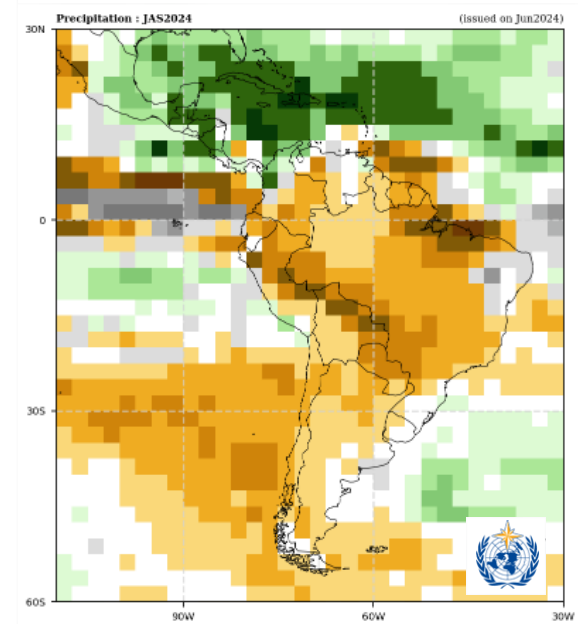
# Previsão Sazonal de Chuva Multi-Modelo para JAS



Modelos Europeus



Modelos Americanos



Modelos da Organização Meteorológica Mundial