

Monitoramento da bacia do rio Paranapanema

MAIO/2025

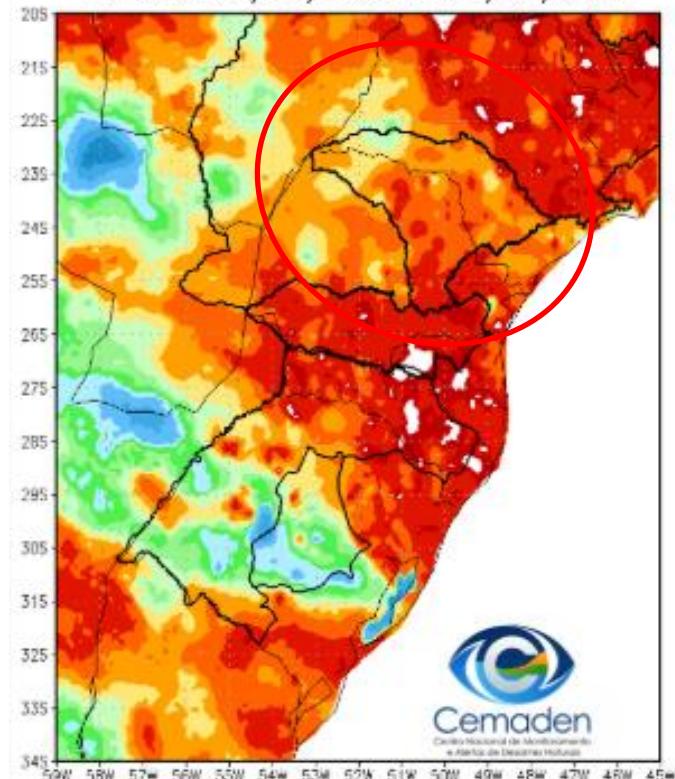


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

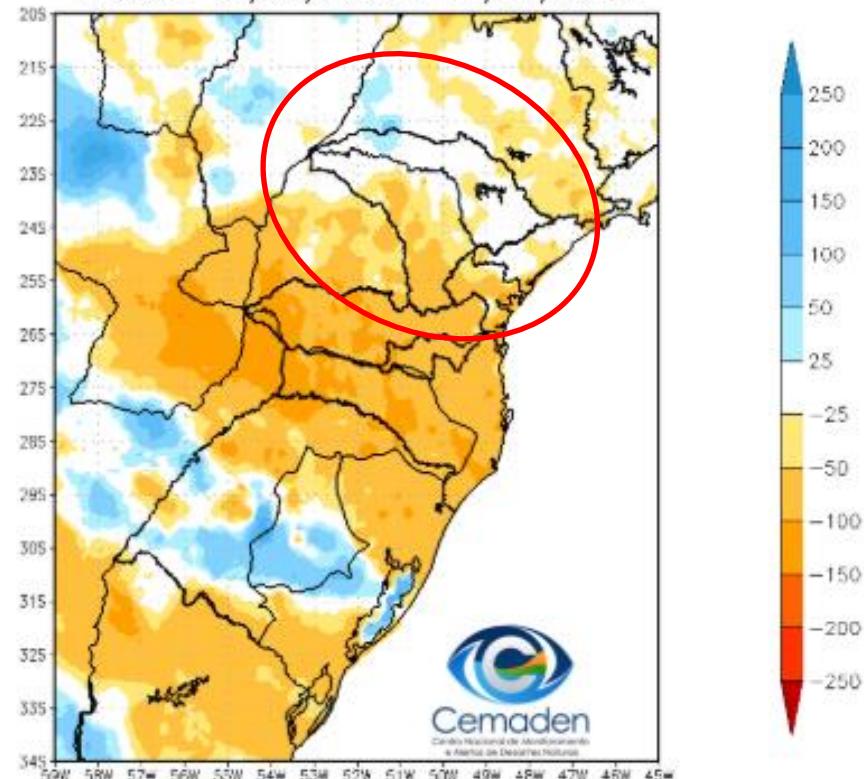


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 21/04/2025 a 21/05/2025

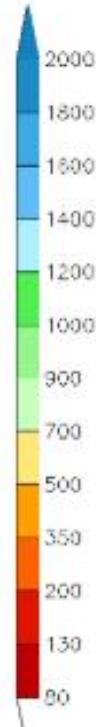
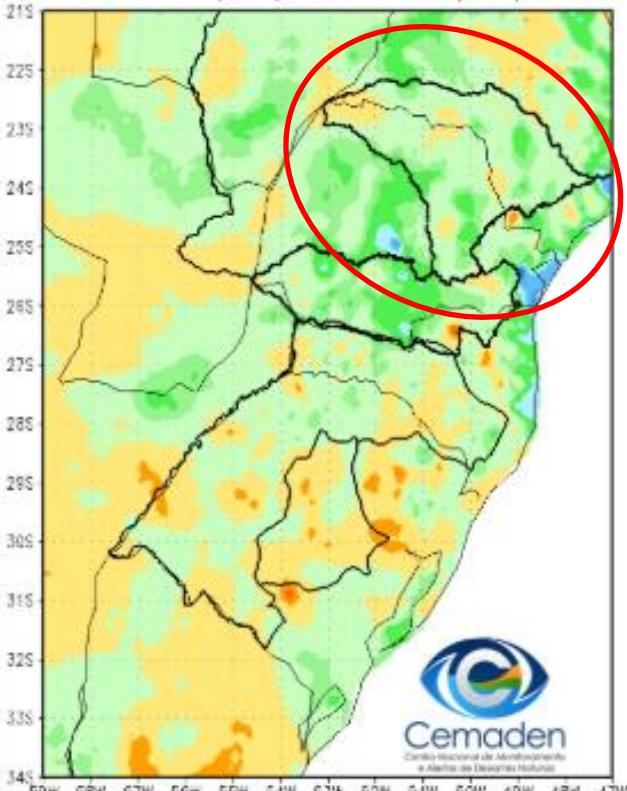


Anomalia de Precipitação (mm) A.S.
Período: 21/04/2025 a 21/05/2025

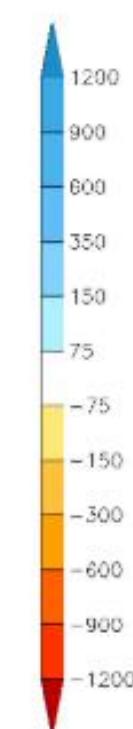
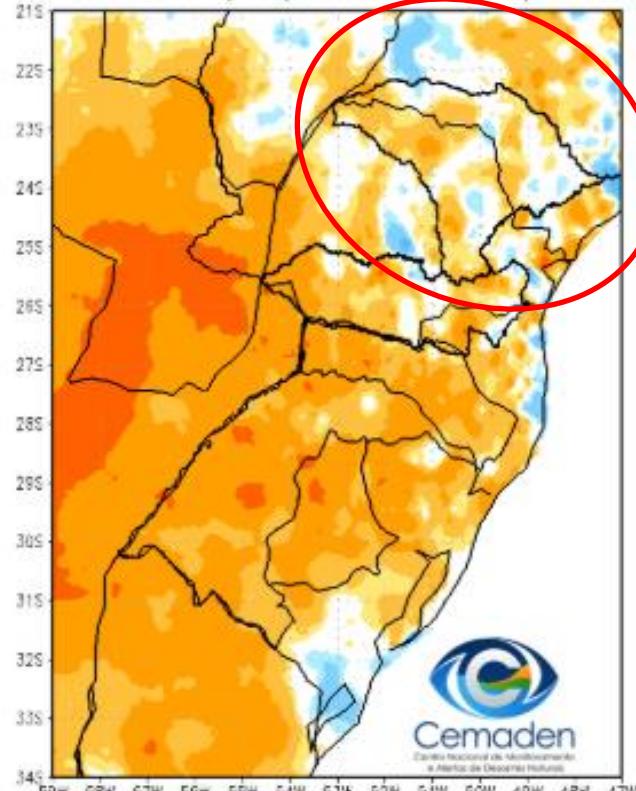


Precipitação no Ano Hidrológico

Precipitação Acumulada (mm) A.S.
Período: 01/10/2024 a 21/05/2025

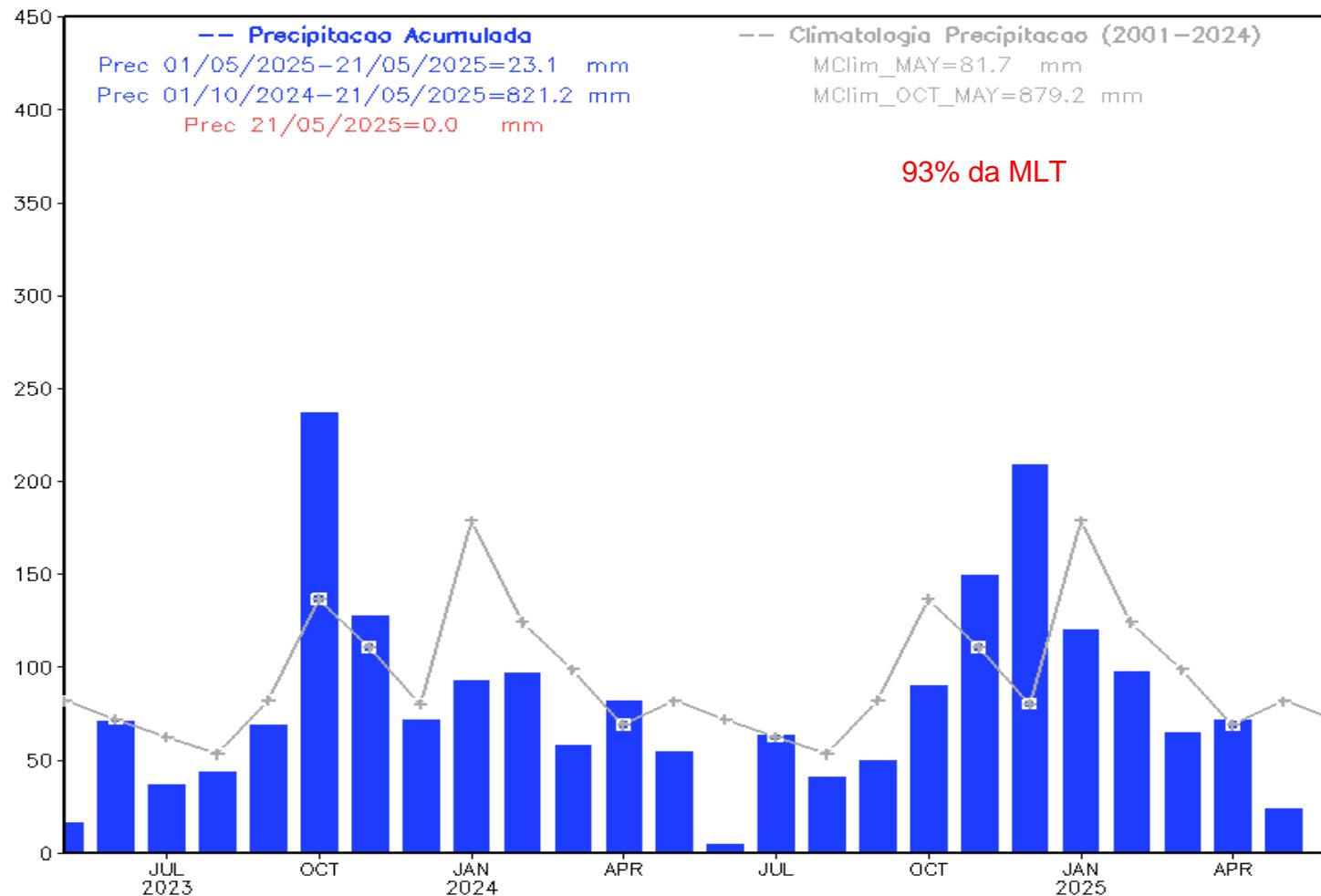


Anomalia de Precipitação (mm) A.S.
Período: 01/10/2024 a 21/05/2025

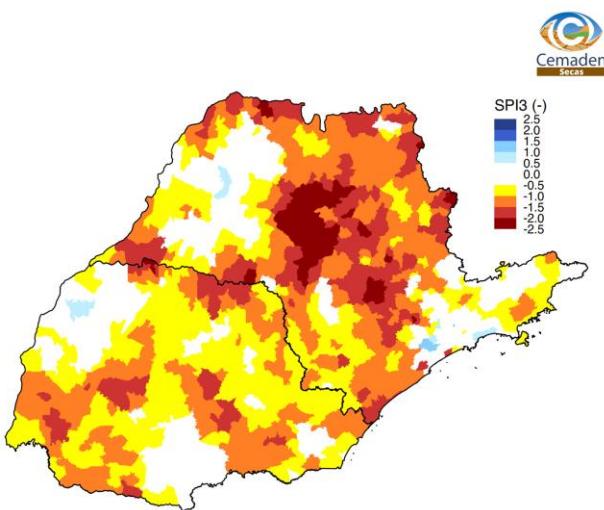


Evolução Temporal da Precipitação

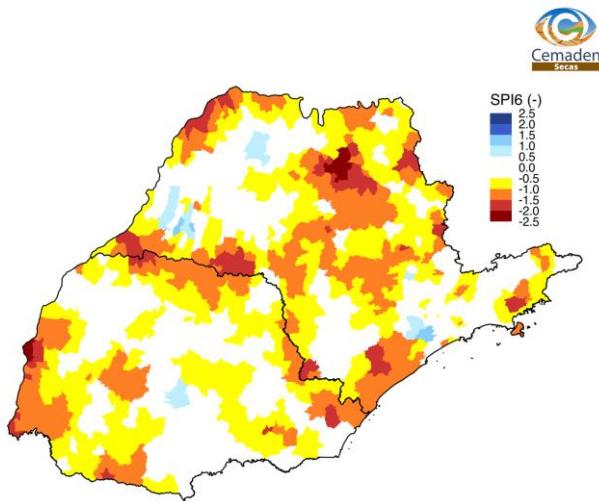
Precipitação Bacia do Rio Paranapanema
desde MAY 2023



SPI: ABRIL 2025

SPI-03

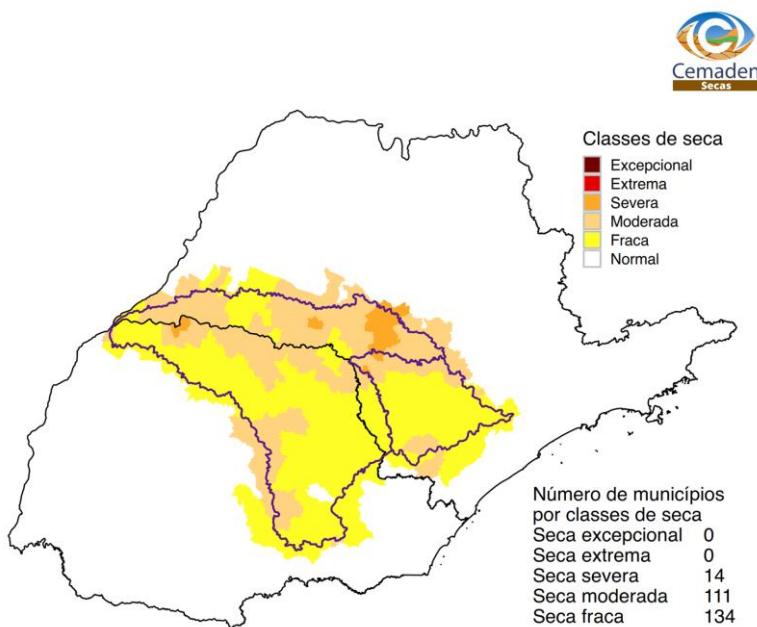
Abril 2025
Índice Padronizado de Precipitação (SPI, 3 meses)
Fonte: Cemaden/MCTI.

SPI-06

Abril 2025
Índice Padronizado de Precipitação (SPI, 6 meses)
Fonte: Cemaden/MCTI.

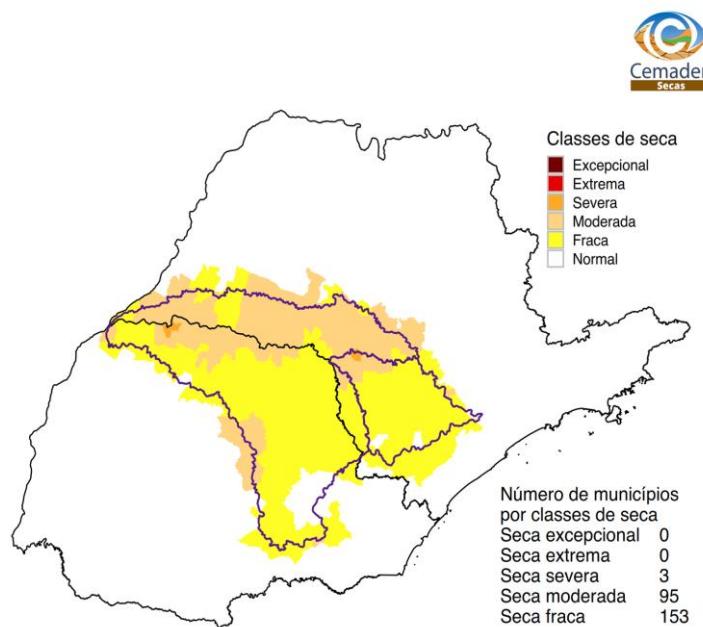
ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

IIS-03 OBSERVADO



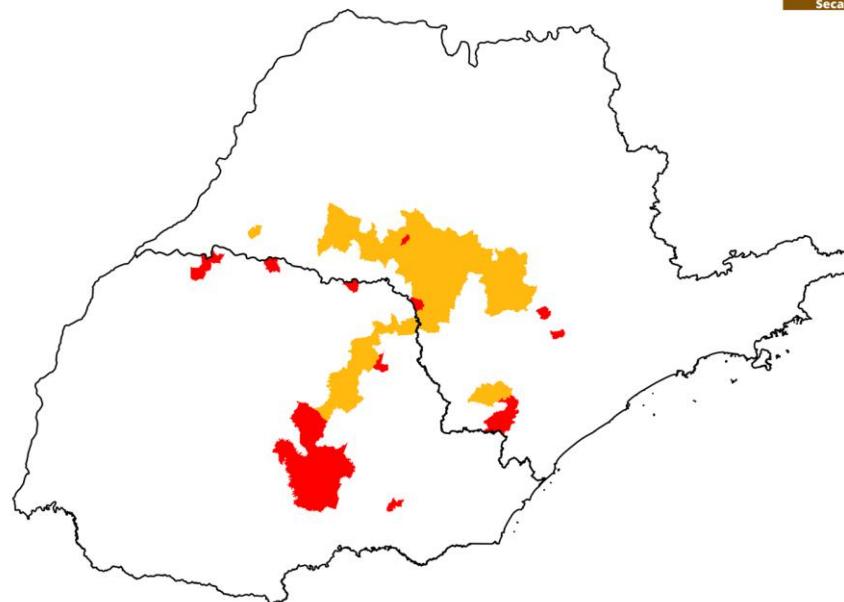
Abril 2025
Índice Integrado de Seca (SPI3, VHI, US)
Fonte: Cemaden/MCTI.

IIS-06 OBSERVADO



Abril 2025
Índice Integrado de Seca (SPI6, VHI, US)
Fonte: Cemaden/MCTI.

PROGRESSÃO DAS CONDIÇÕES DE SECA (PCS)



Alerta de Seca

Condição normal

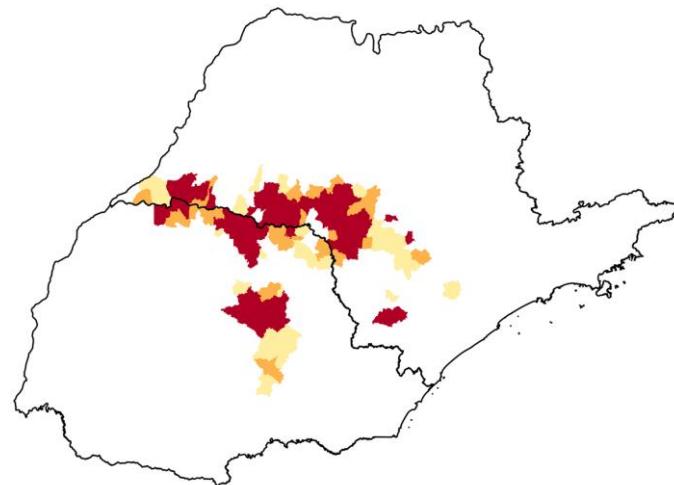
Atenção - déficit de chuva e
umidade do soloAlerta - déficit de chuva e
stress vegetativoAbril 2025
Propagação Incremental das Condições de Seca (PICS)
Fonte: Cemaden/MCTI.

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA



Fração da
área afetada

- > 80%
- 60-80%
- 40-60%
- < 40%

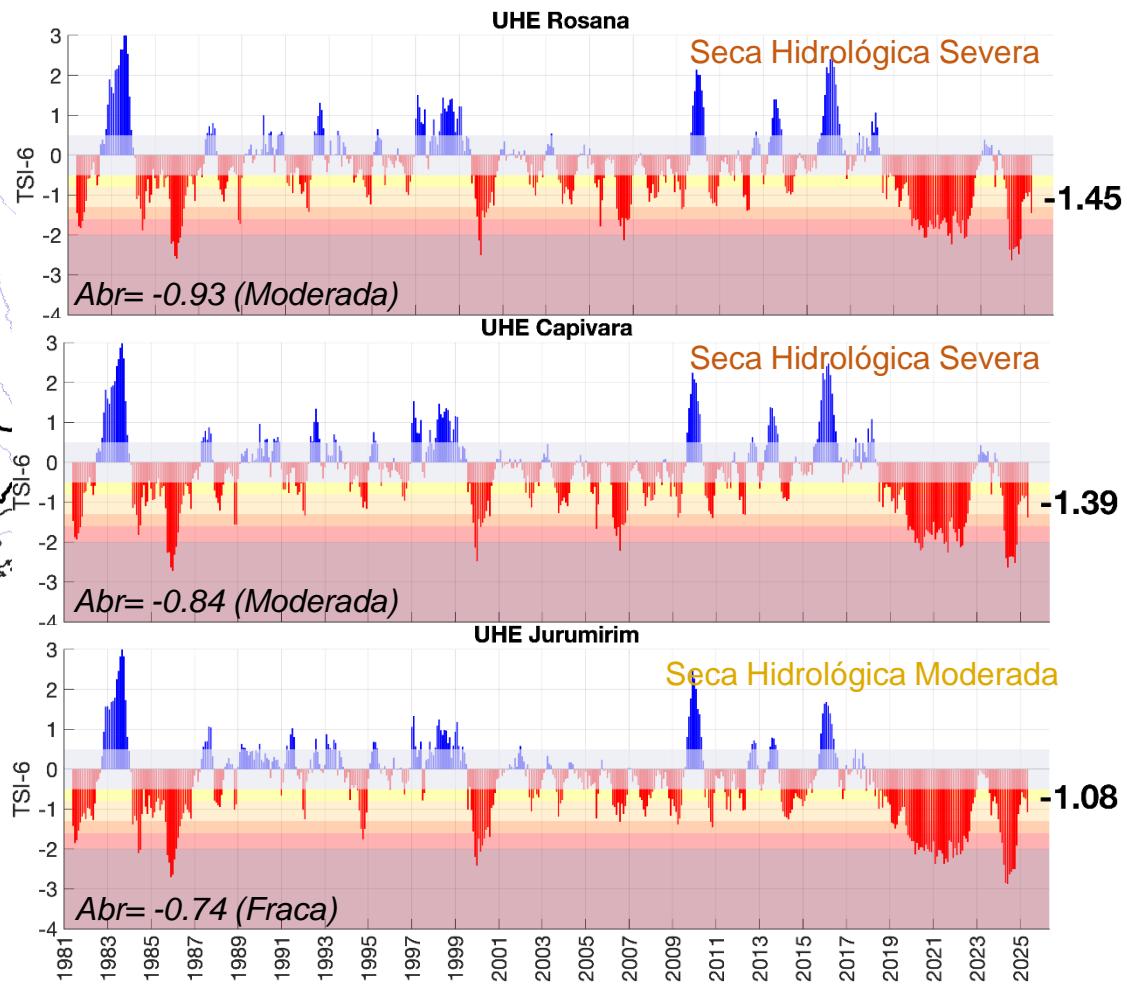
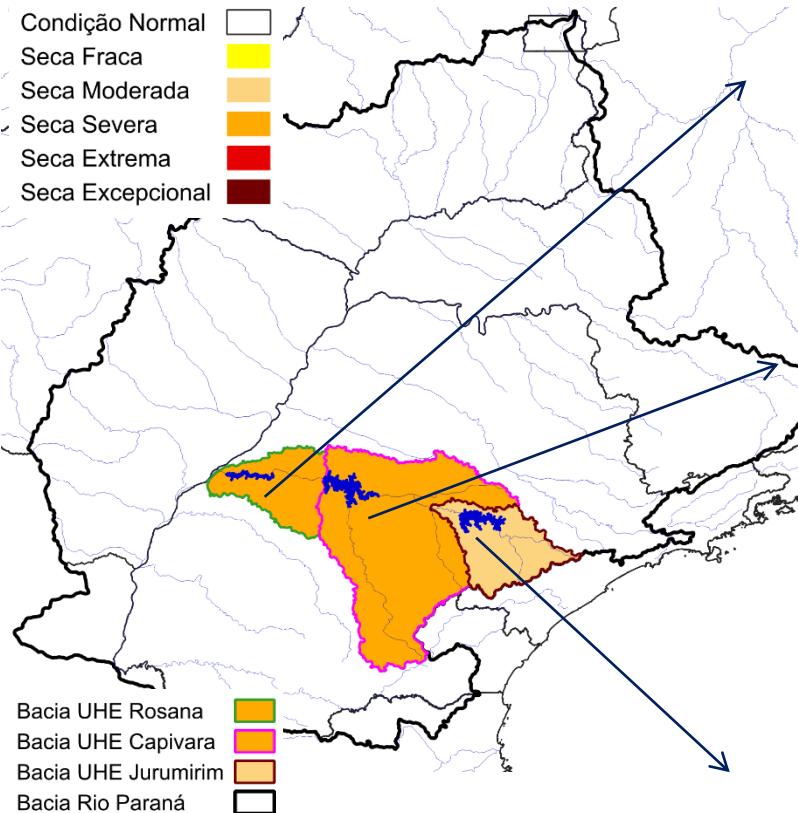


Abril 2025
Fração da área agroprodutiva afetada pela seca
Fonte: Cemaden/MCTI.

Índice Bivariado de Seca (Precipitação-Vazão) - TSI

Escala de Longo Prazo: TSI-6 meses

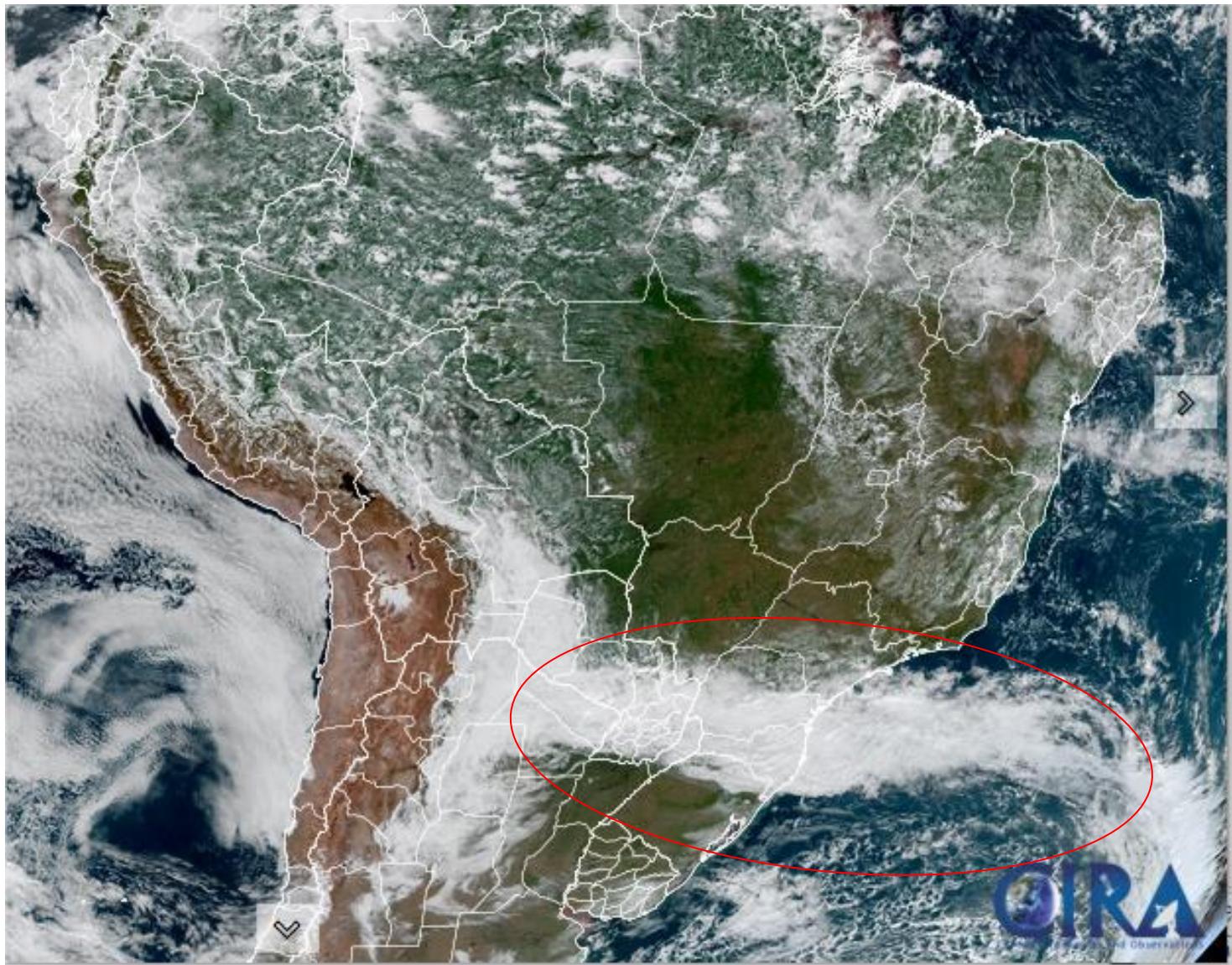
Maio/2025



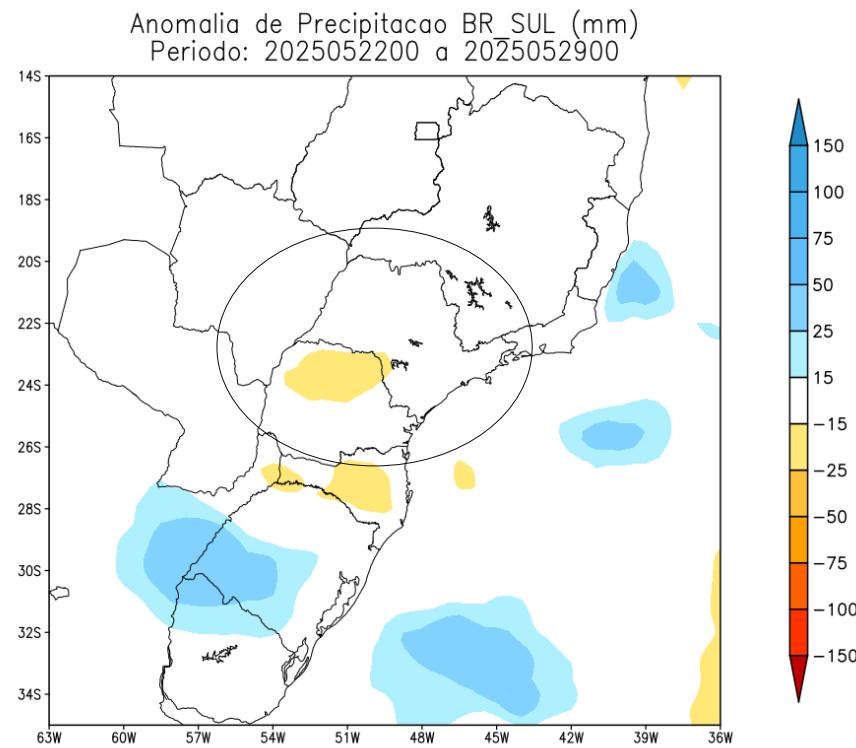
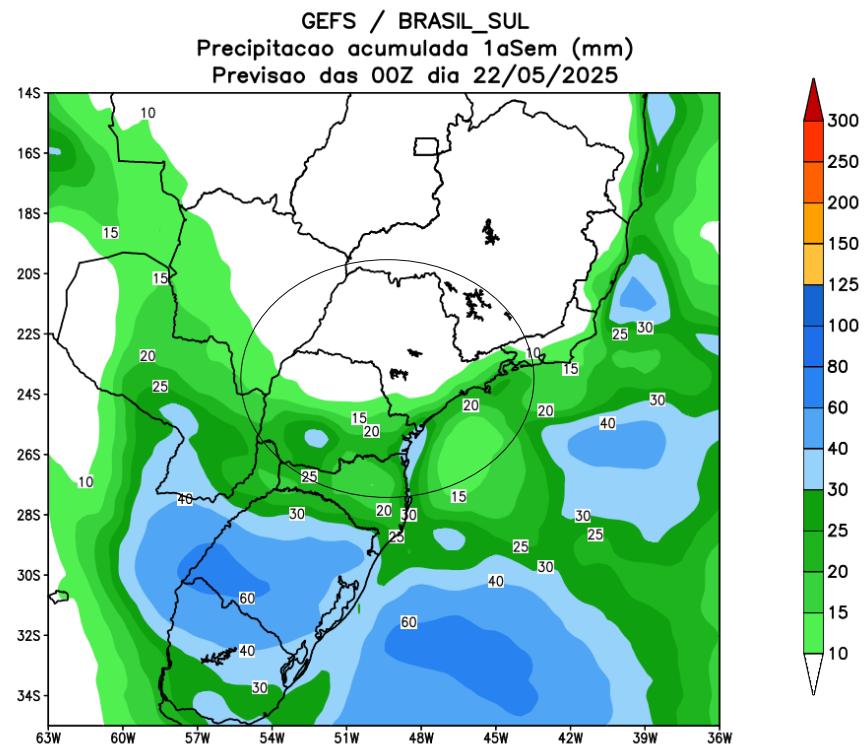
Fonte: CEMADEN

Dados: Precipitação (Cemaden/INMET/CHIRPS) e
Vazão (ONS/ANA) - Jan/1981-Maio/2025.

Situação meteorológica atual



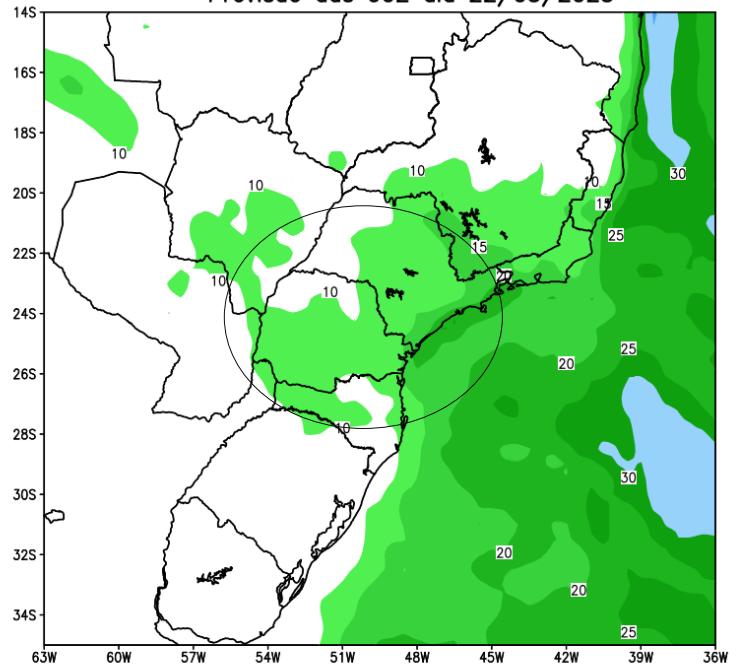
Previsão de chuva próximos 7 dias



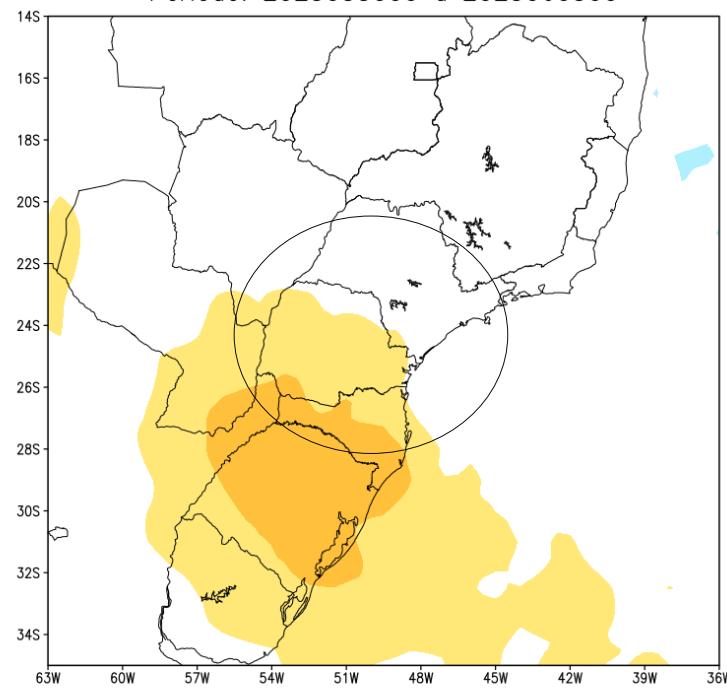
MODELO GEFS

Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitação acumulada 2aSem (mm)
Previsão das 00Z dia 22/05/2025

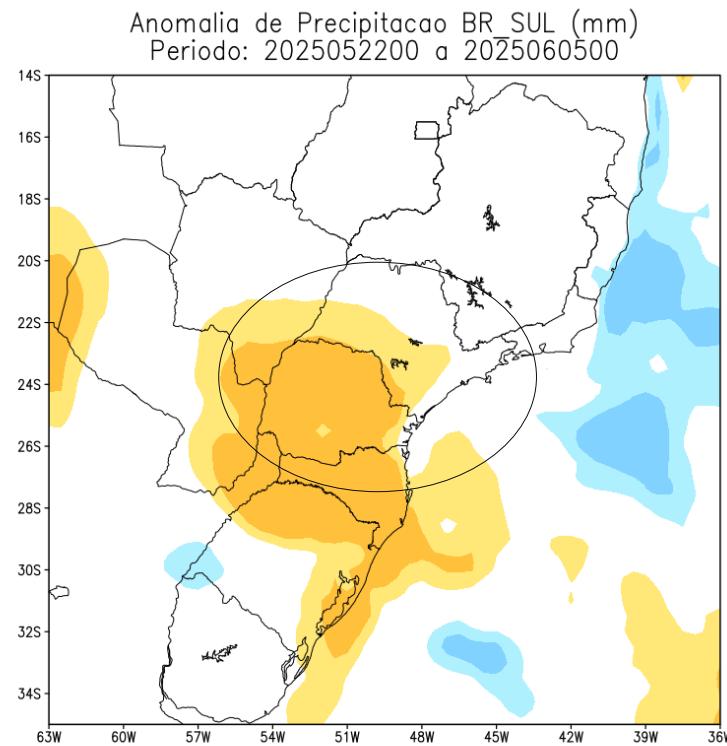
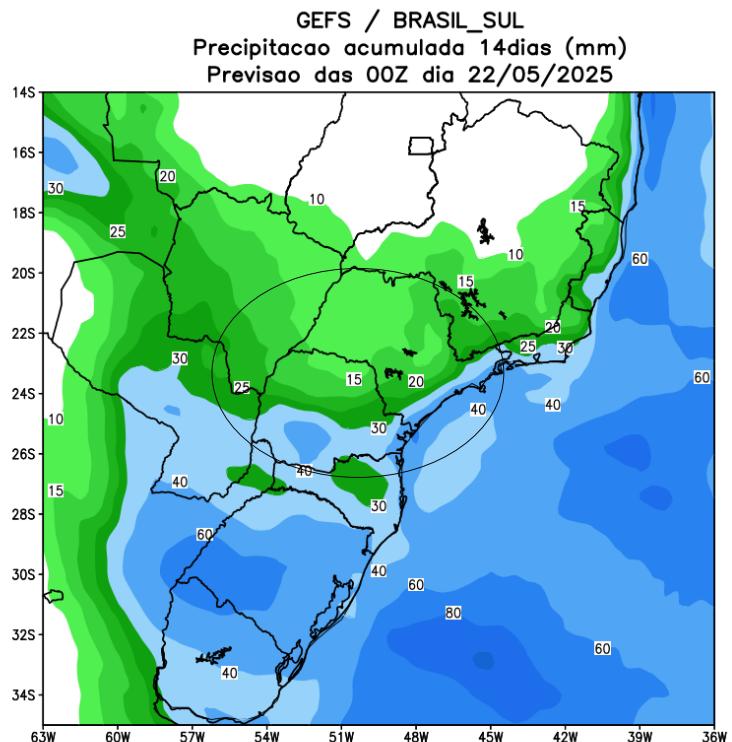


Anomalia de Precipitação BR_SUL (mm)
Período: 2025053000 a 2025060500



MODELO GEFS

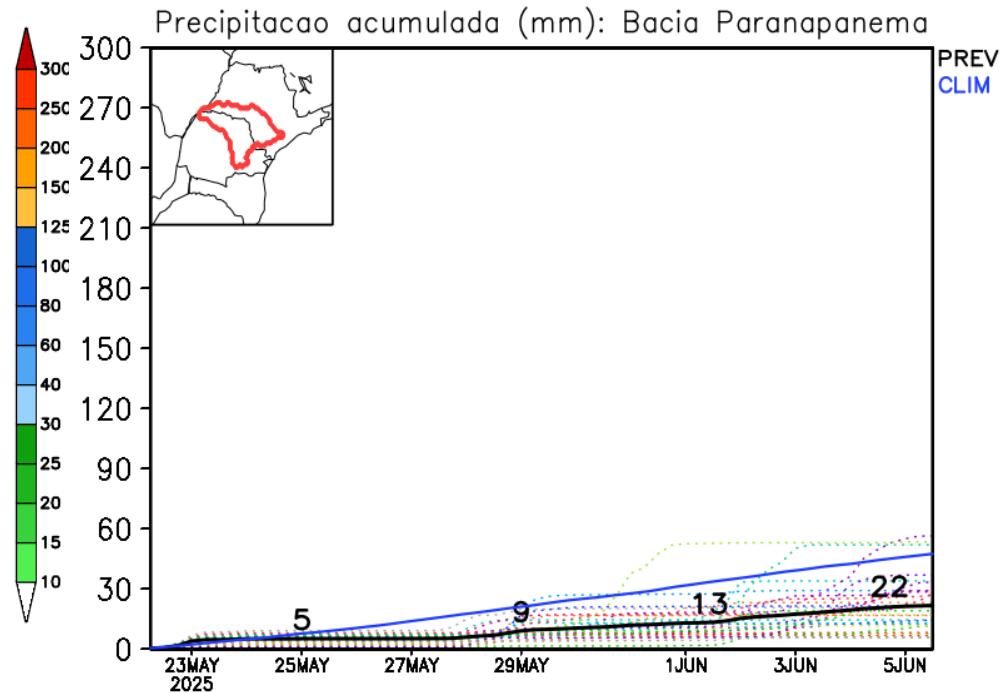
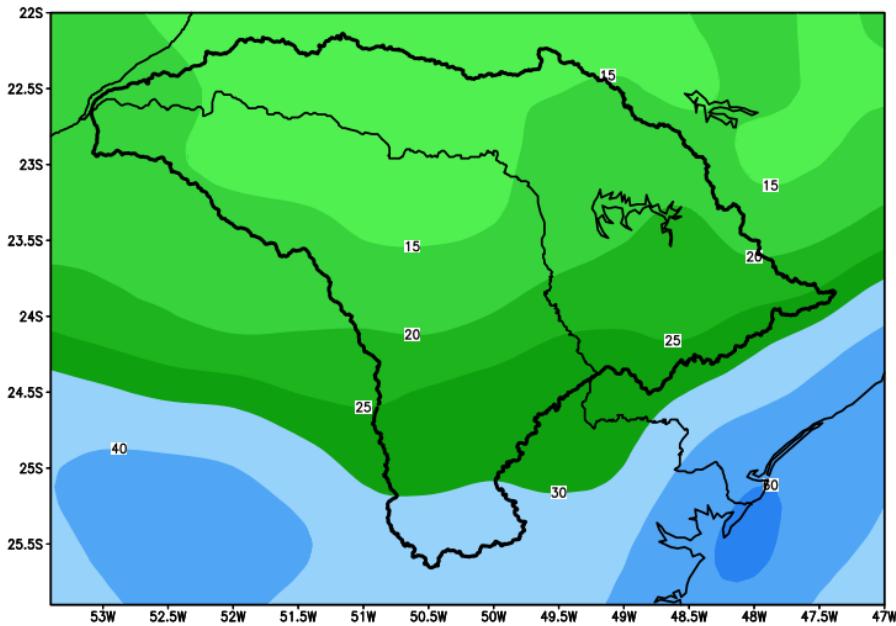
Tendência para as duas próximas semanas



MODELO GEFS

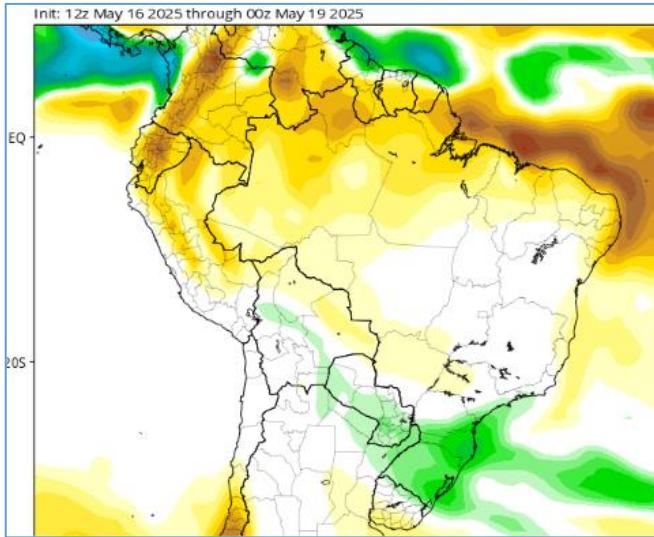
Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 22/05/2025



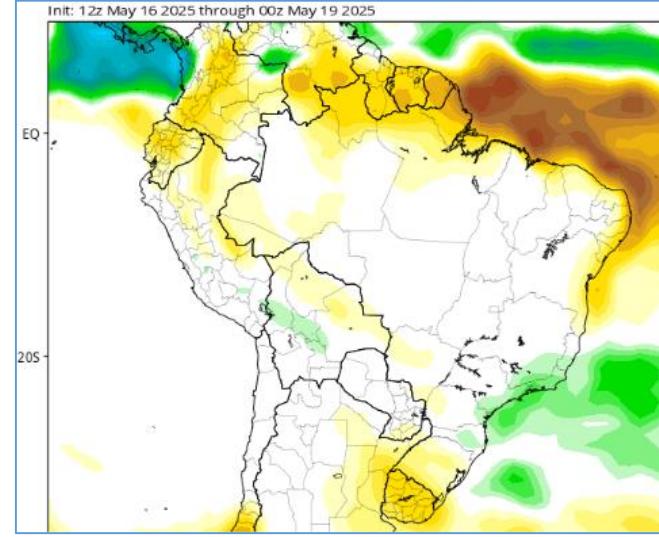
Tendência 3a e 4a semanas

02-09 Junho

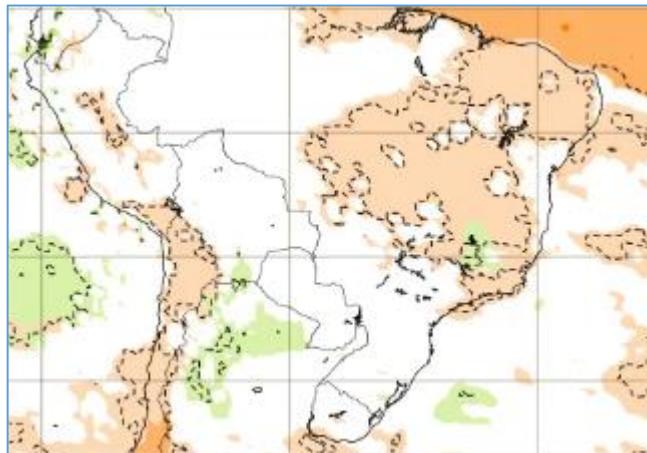


CFS/NOAA

09-16 Junho



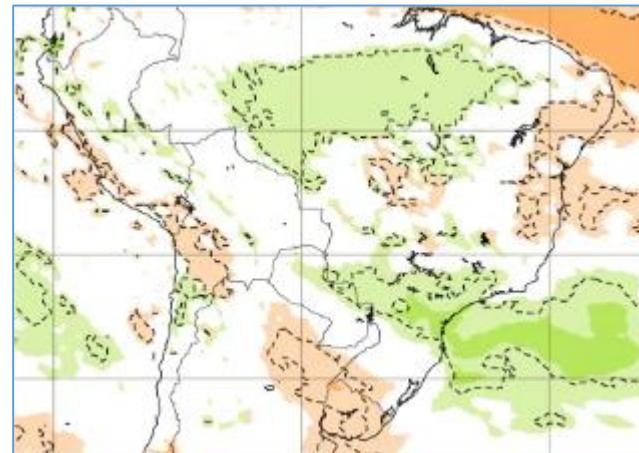
ECMWF



02-09 Junho

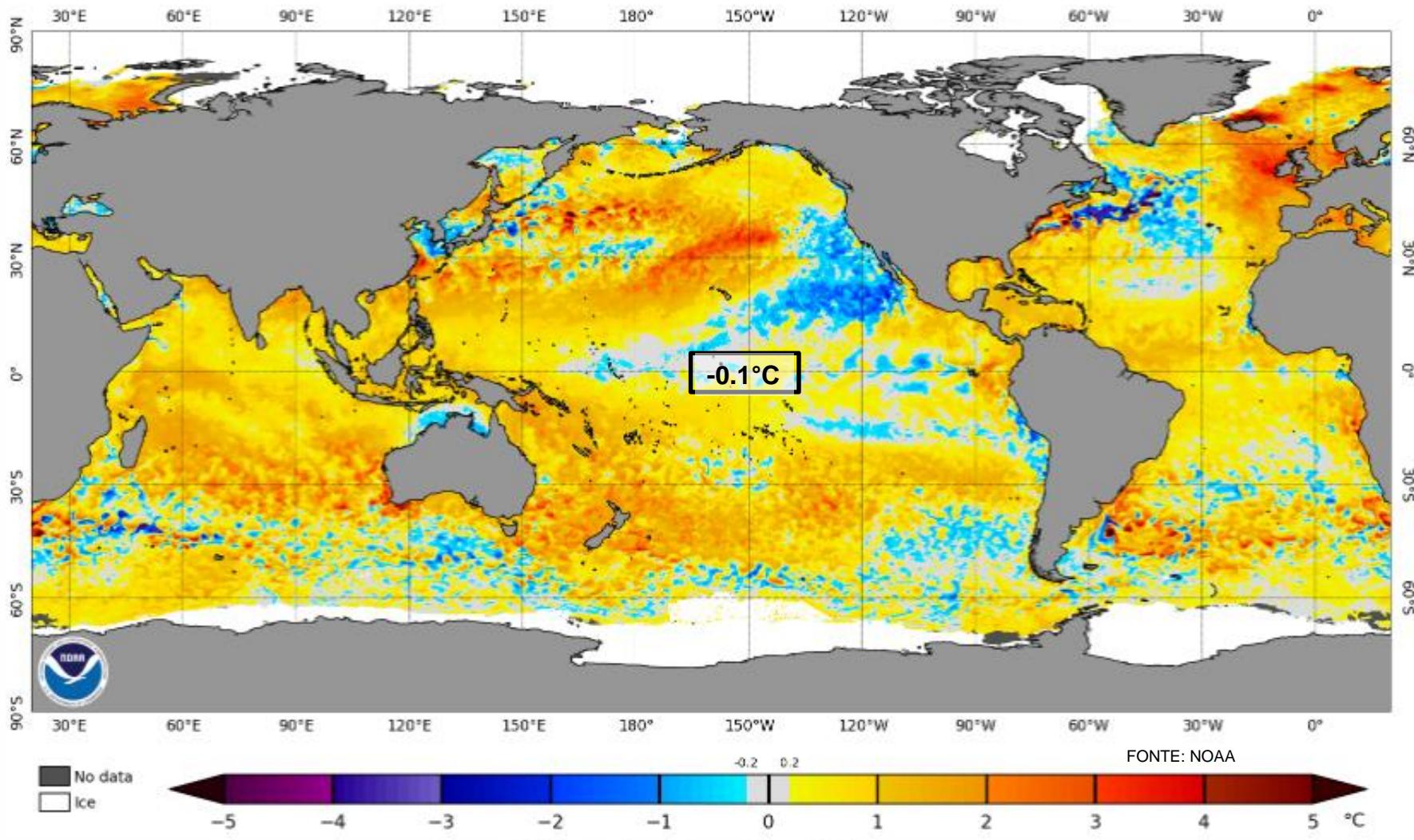


09-16 Junho



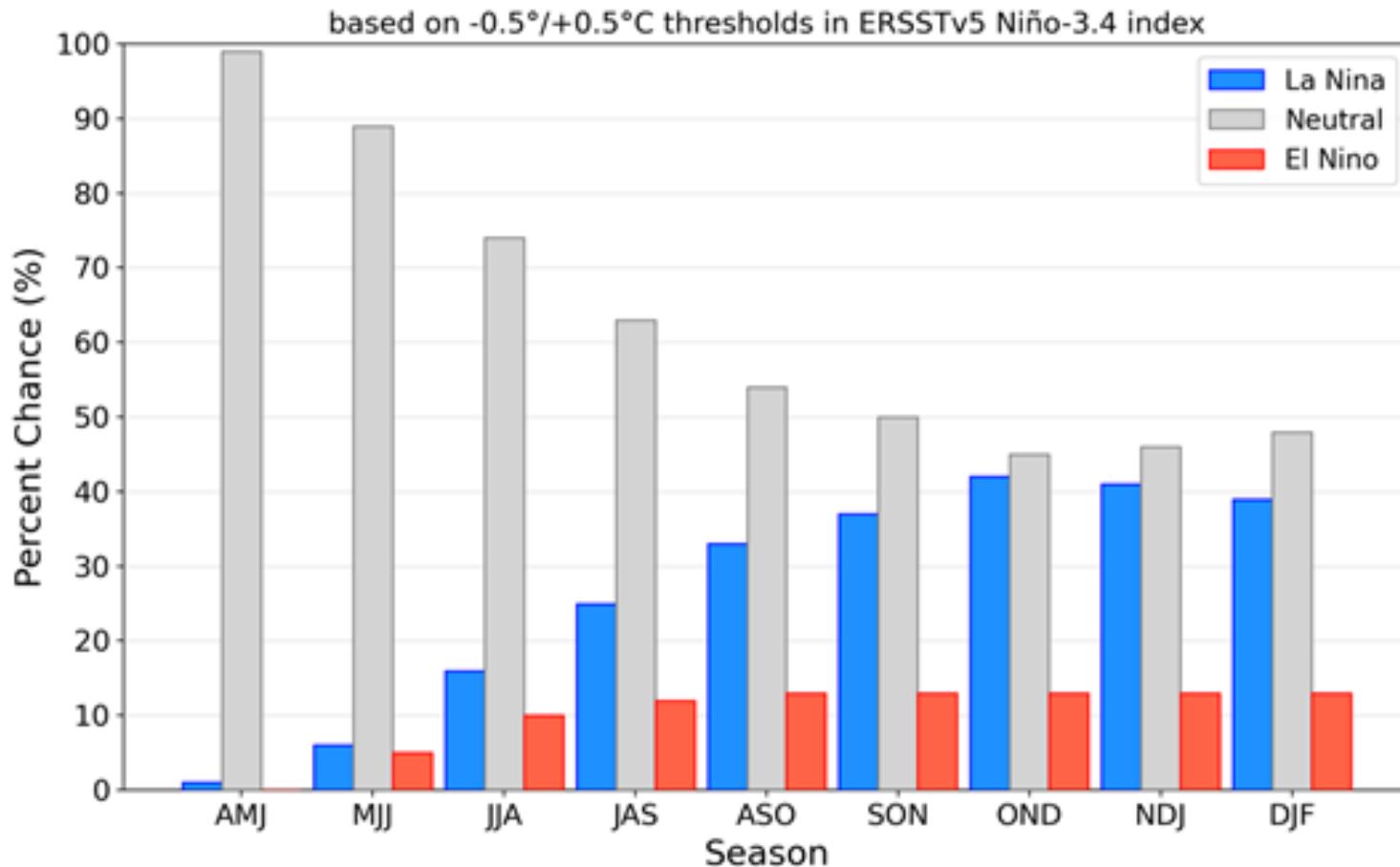
Status Atual: Neutralidade

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 18 May 2025



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued May 2025)



Previsão Sazonal de Chuva Multi-Modelo

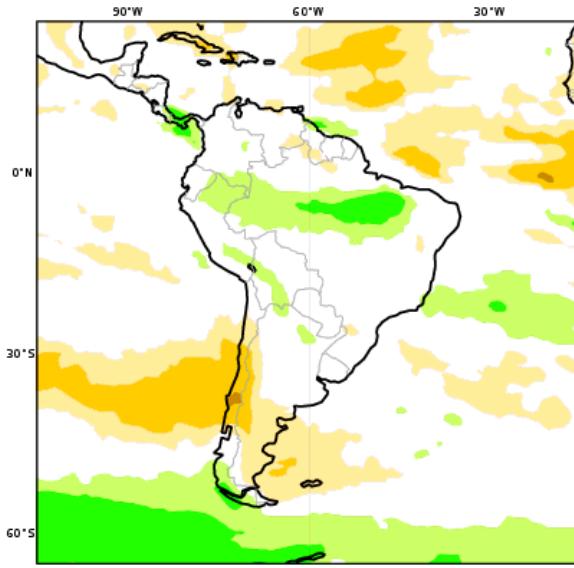
Junho-Julho-Agosto

C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/25

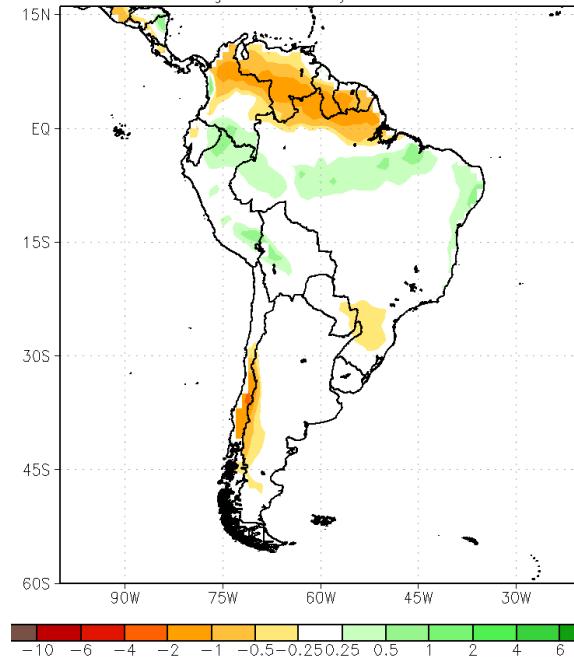
Unweighted mean



JJA 2025

NMME Precipitation Anomalies (mm/day)

Jun2025–Aug2025 May 2025 initial conditions

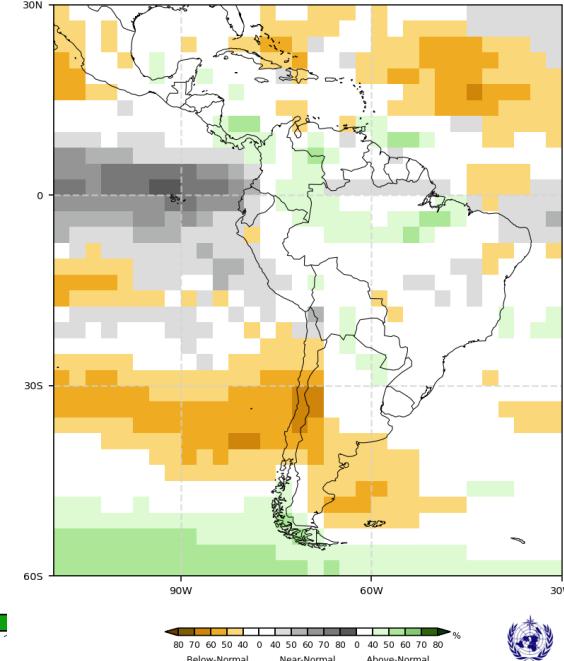


Probabilistic Multi-Model Ensemble Forecast

CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Seoul,Tokyo,Washington

Precipitation : JJA2025

(issued on May2025)



Modelos Europeus

Modelos Norte Americanos

Modelos da WMO