

Monitoramento e Previsões de chuva para a Bacia do Rio Paranapanema

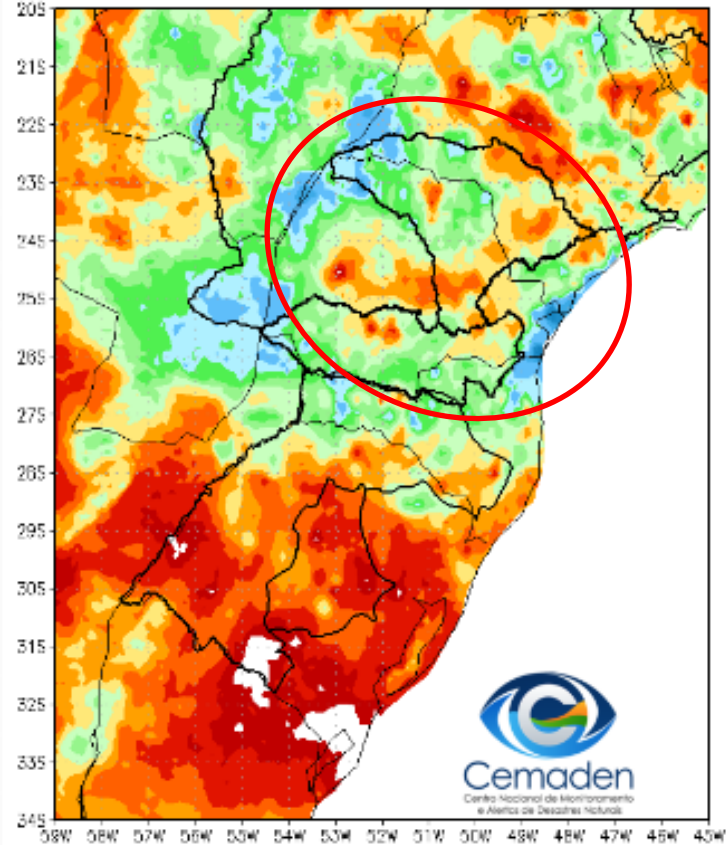


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

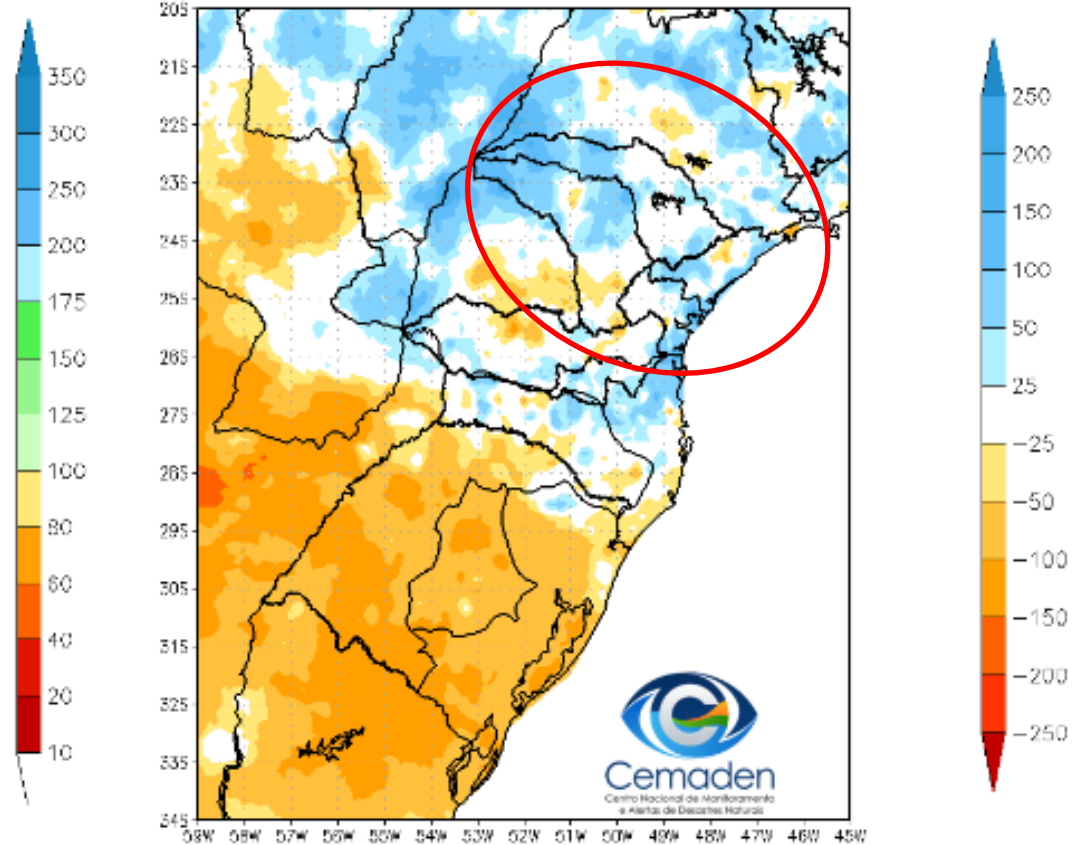
27 de Abril de 2023

Precipitação acumulada nos últimos 30 dias

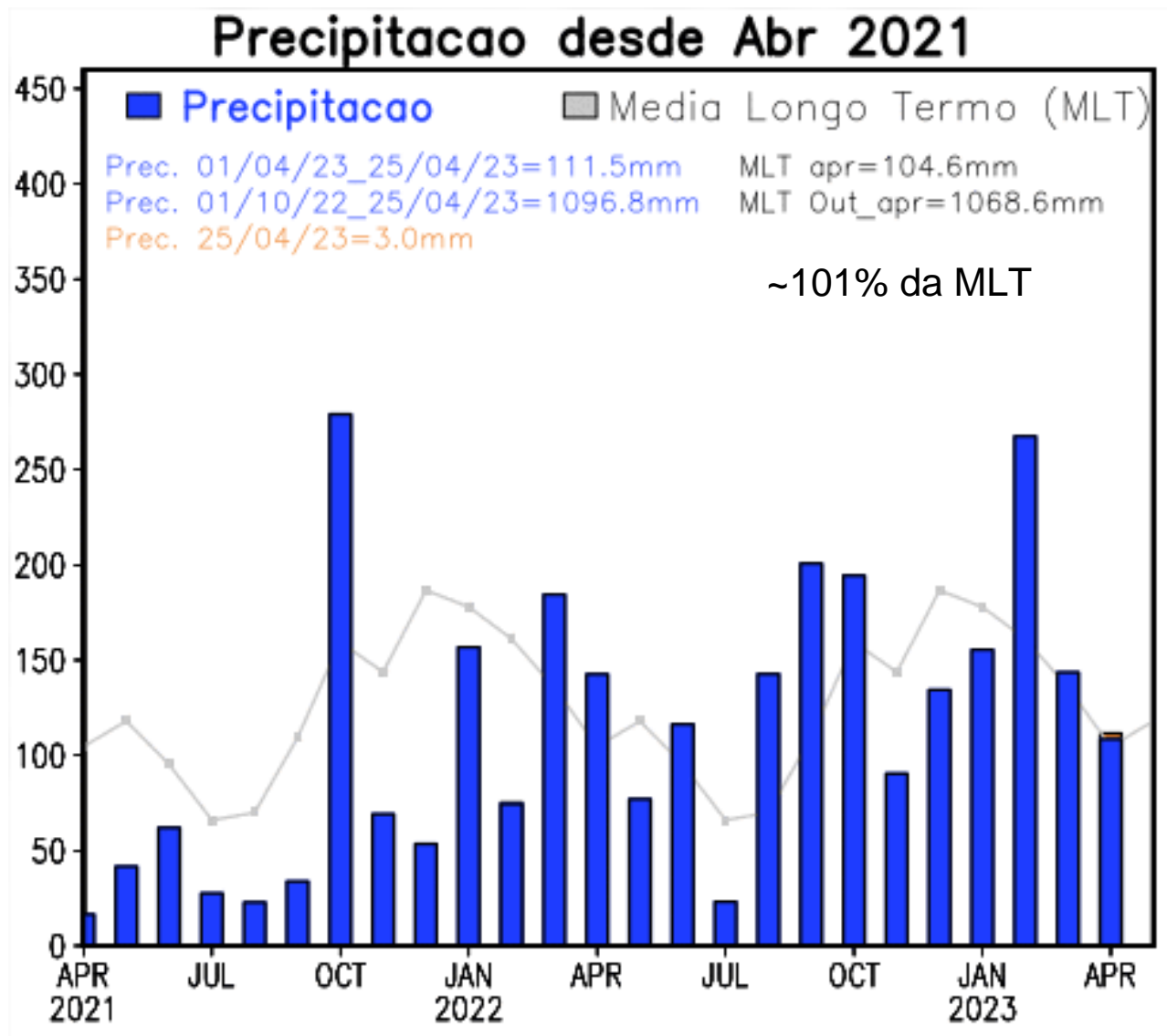
Precipitação Acumulada (mm) A.S.
Período: 27/03/2023 a 26/04/2023



Anomalia de Precipitação (mm) A.S.
Período: 27/03/2023 a 26/04/2023

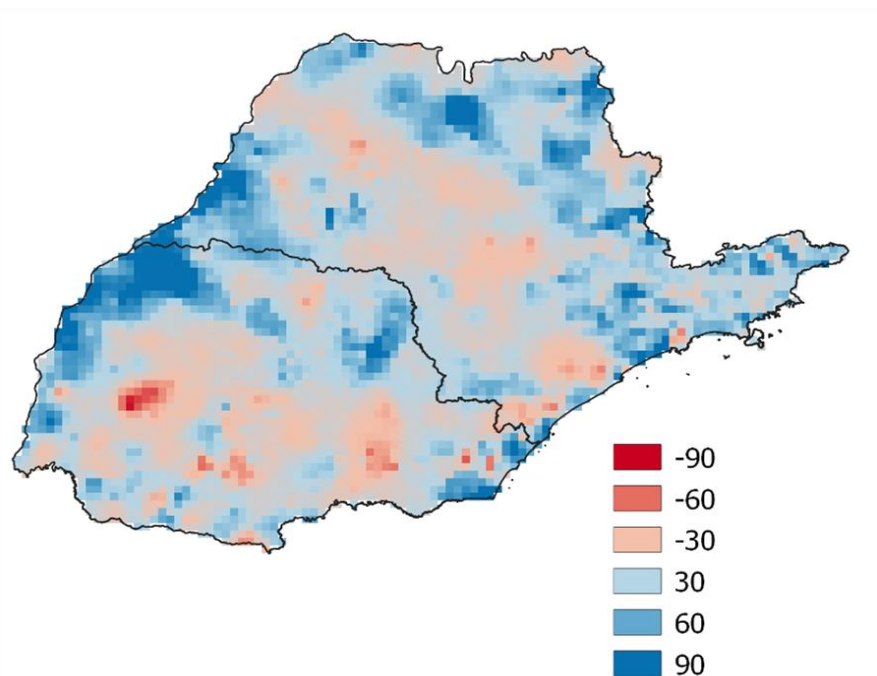


Evolução temporal da precipitação

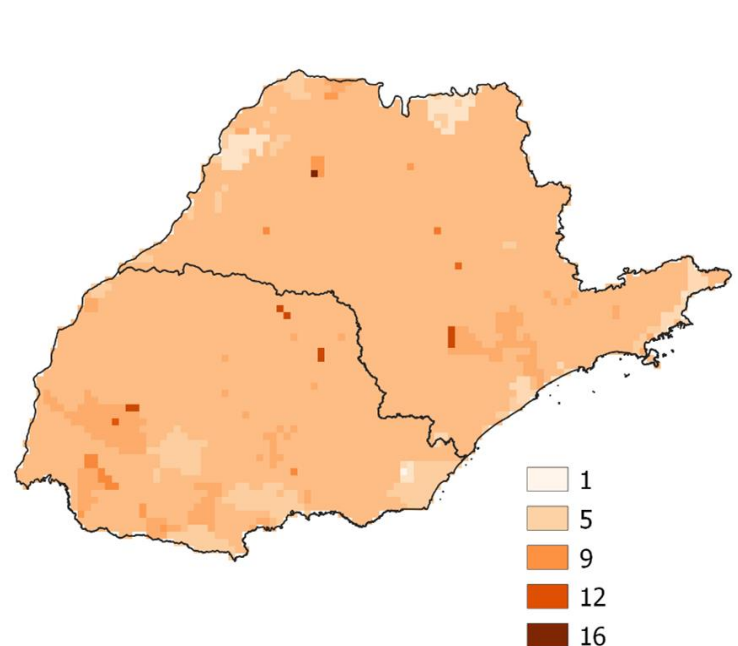


PRECIPITAÇÃO: ABRIL 2023 (ATÉ 25/04)

Anomalia (mm)

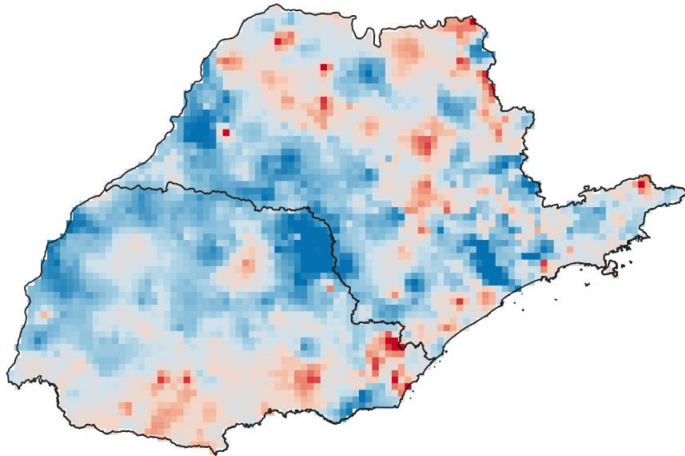


Máximo de dias consecutivos sem chuva

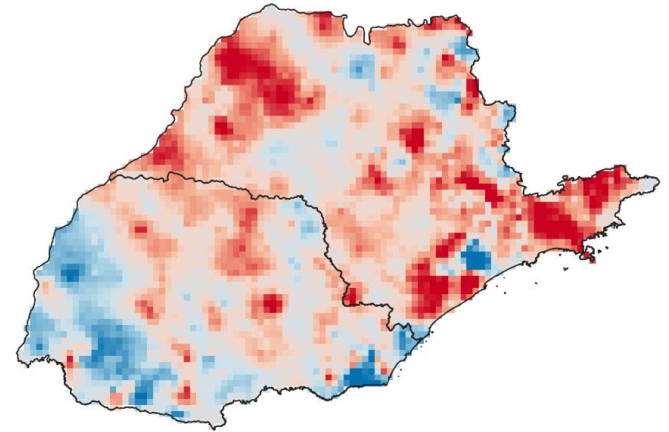


SPI: ABRIL 2023 (ATÉ 24/04)

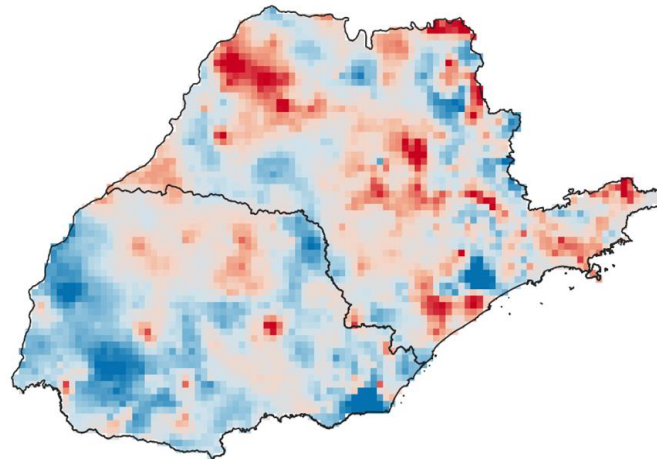
SPI03



SPI24



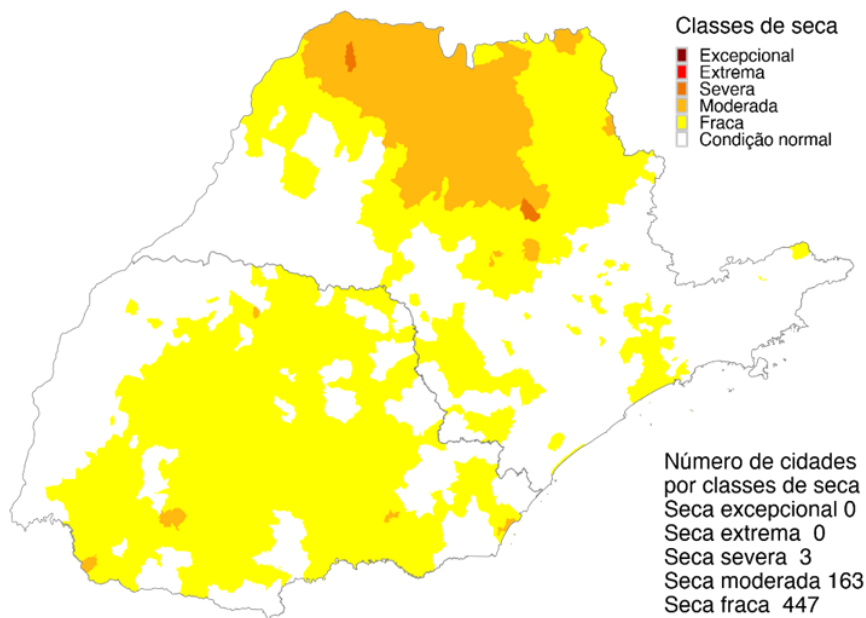
SPI12



ÍNDICE INTEGRADO DE SECA - IIS

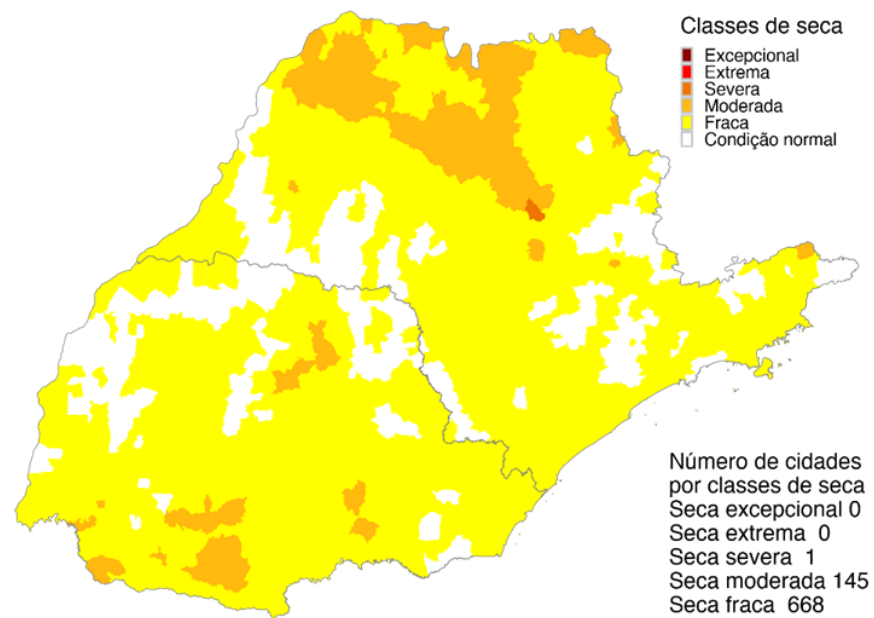
(SPI3 E 6 + VHI + AUS): ABRIL/2023

IIS 3 MESES



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

IIS 6 MESES

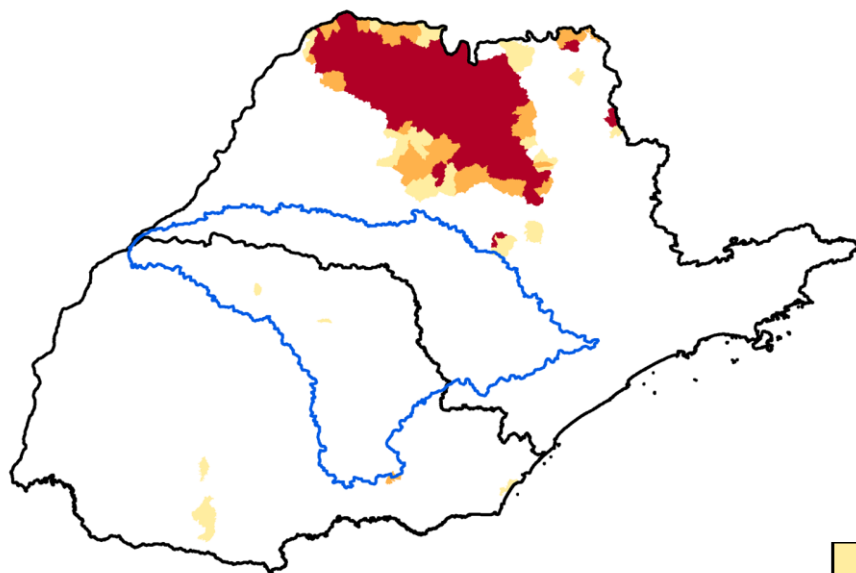


Abril 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

SECA

ABR/23



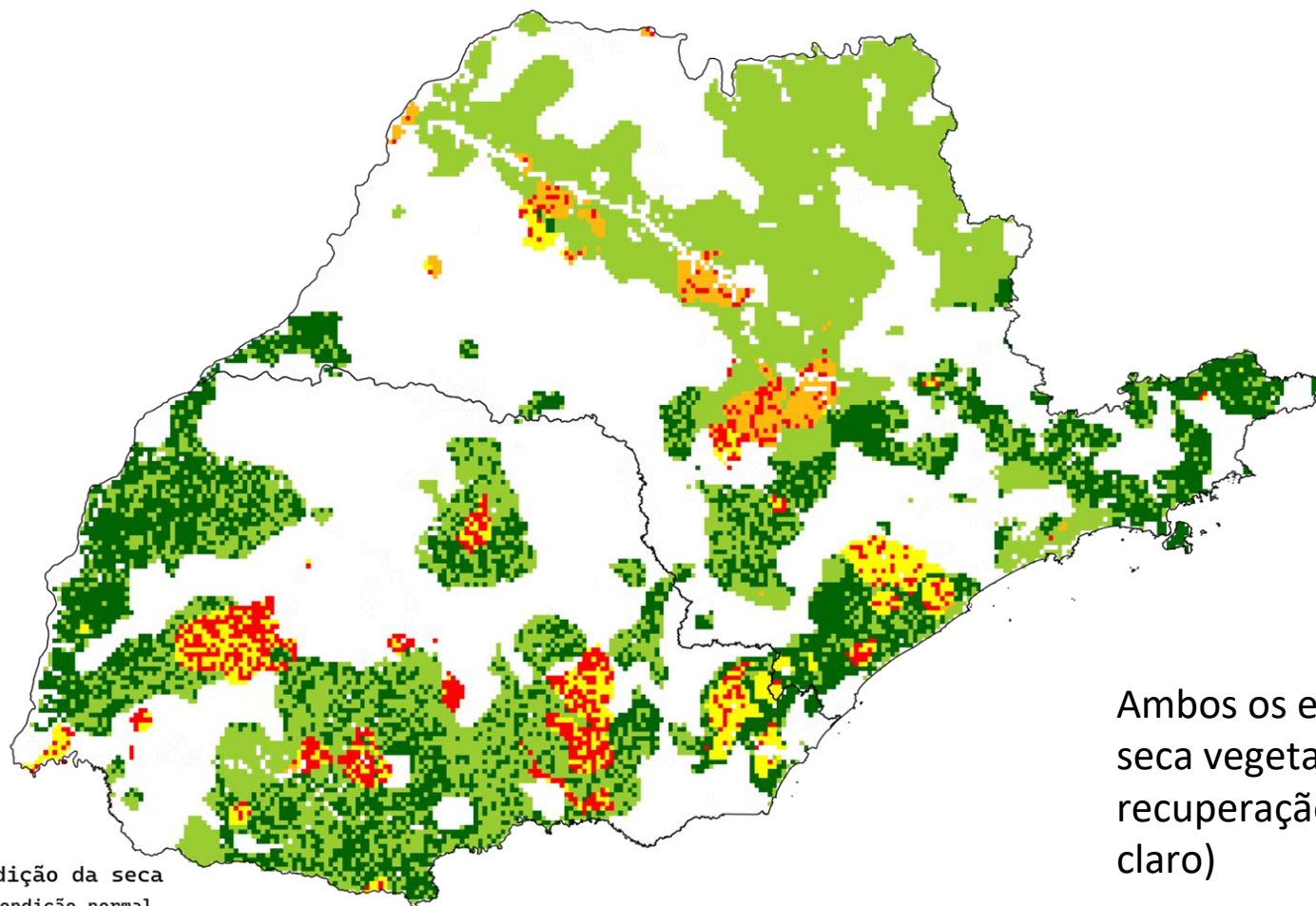
| UF | 40 a 60% | 60 - 80% | > 80% |
|----|----------|----------|-------|
| PR | 5 | 1 | |
| SP | 21 | 24 | 124 |

| | 40 a 60% | 60 - 80% | > 80% | Imóveis Rurais Impactados > 40% |
|---------------------|-----------|-----------|-------------|---------------------------------|
| Paraná | | | | |
| Minifundio | 1489 (1%) | 61 (*) | - | 1550 (1%) |
| Pequena Propriedade | 1007 (1%) | 65 (*) | - | 1072 (1%) |
| Media Propriedade | 224 (1%) | 30 (*) | - | 254 (1%) |
| São Paulo | | | | |
| Minifundio | 3764 (2%) | 5142 (3%) | 33269 (17%) | 42175 (22%) |
| Pequena Propriedade | 2501 (2%) | 3959 (4%) | 21229 (20%) | 27689 (26%) |
| Media Propriedade | 1139 (3%) | 1696 (5%) | 6202 (17%) | 9037 (25%) |

(*) Porcentagem inferior a 1%.

Propagação das Condições de Seca (PCS) - Abril 2023

Propagação das Condições de Seca
Abril 2023

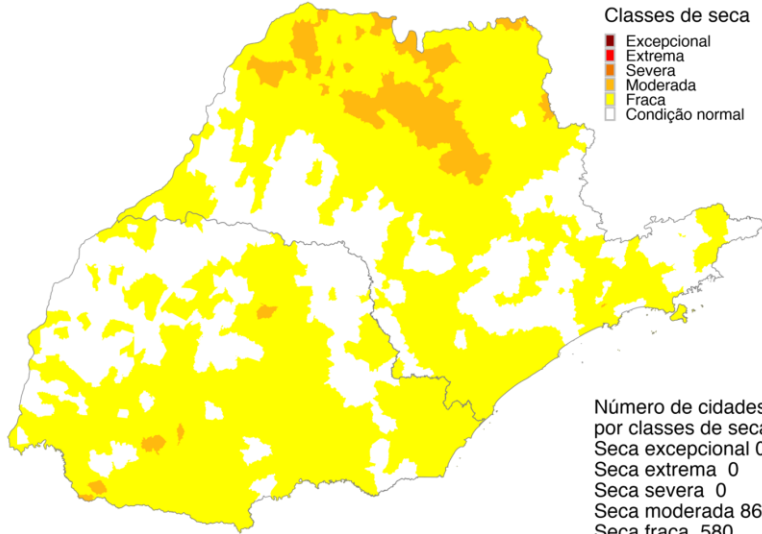


Ambos os estados apresentam
seca vegetativa mas com
recuperação da chuva (verde
claro)

Maio/23

CHUVA 30% ACIMA DA MÉDIA

CHUVA 30% ABAIXO DA MÉDIA



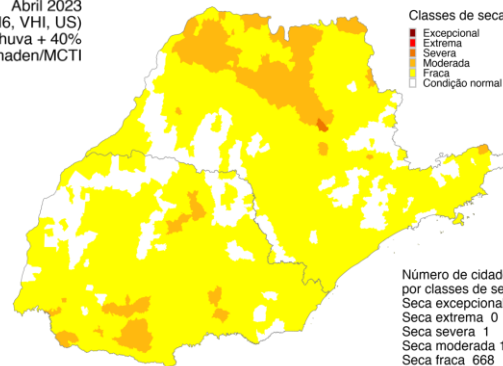
Abril 2023
Índice Integrado de Seca (SPI6, VHI, US)
Cenário: Chuva + 40%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

IIS

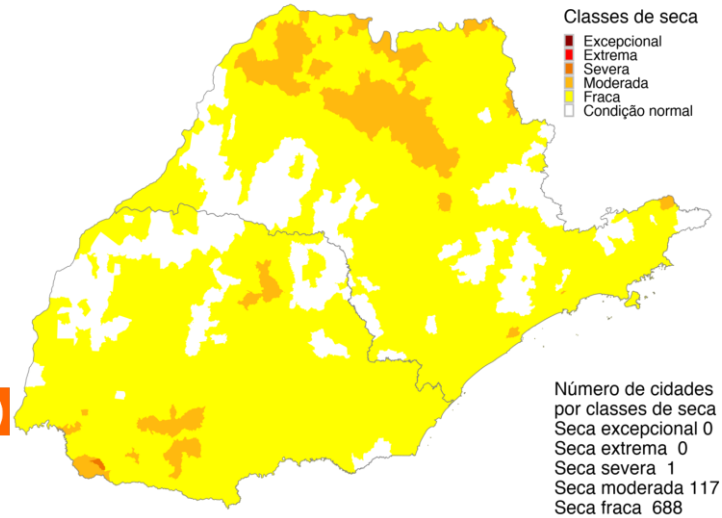
- Seca Excepcional
- Seca Extrema
- Seca Severa
- Seca Moderada
- Seca Fraca
- Normal

IIS OBSERVADO (IIS6)

Abril/23

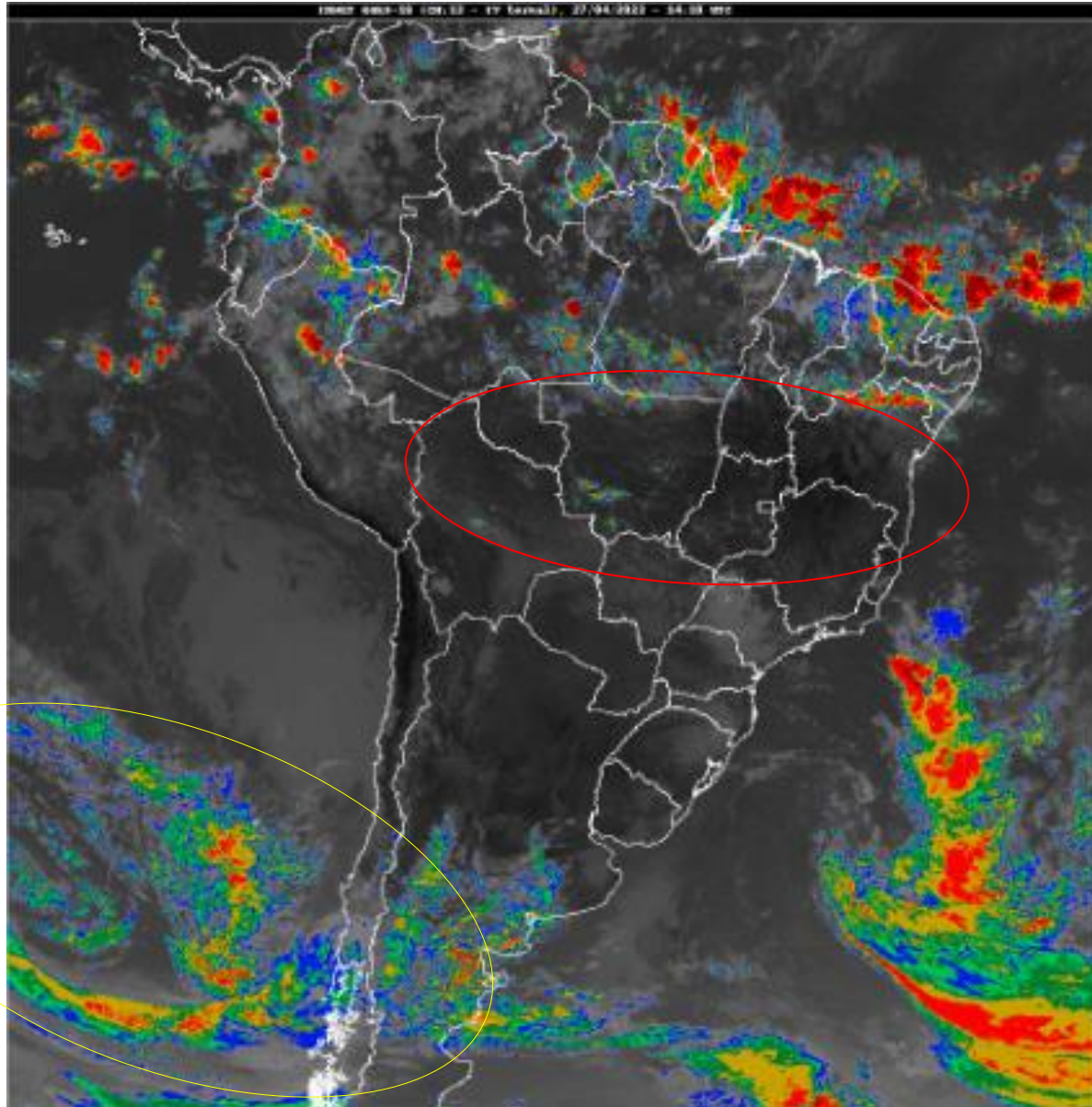


Abril 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI



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

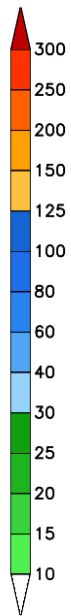
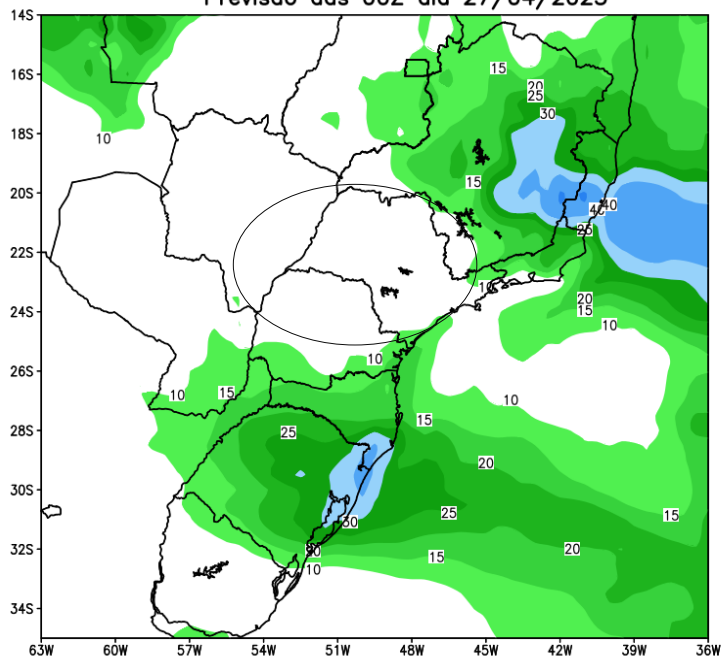
Situação meteorológica atual



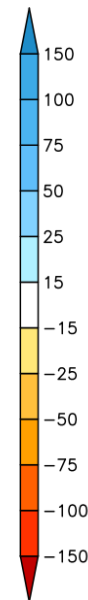
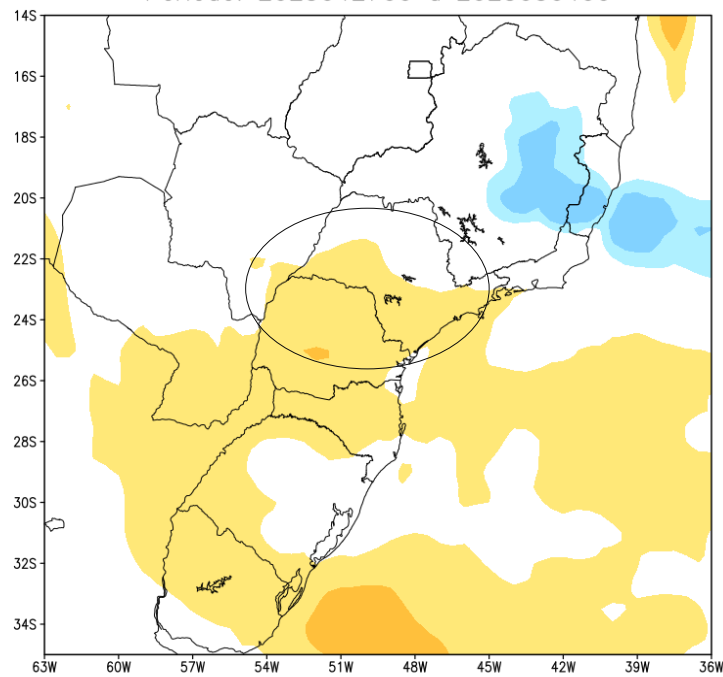
Fonte: INMET

Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 27/04/2023



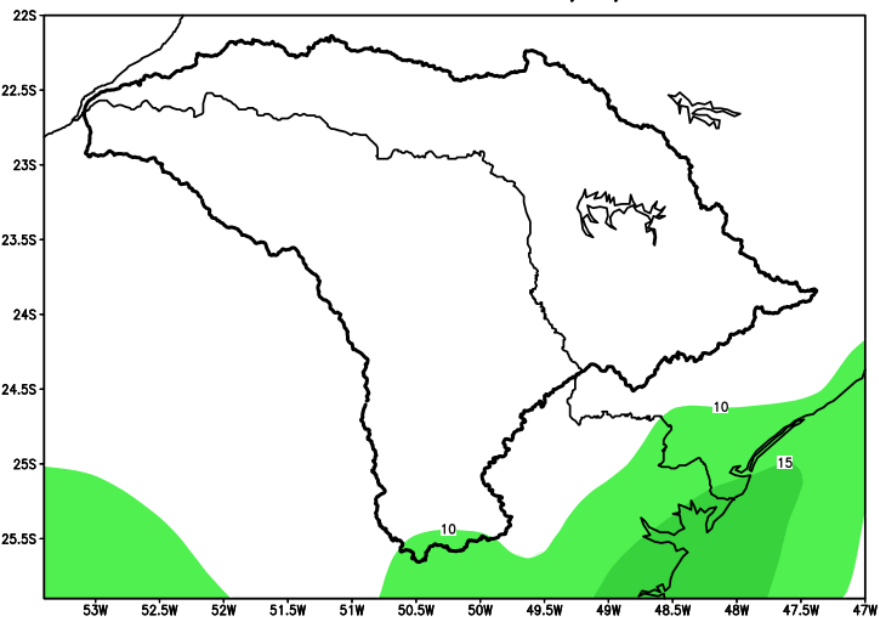
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023042700 a 2023050400



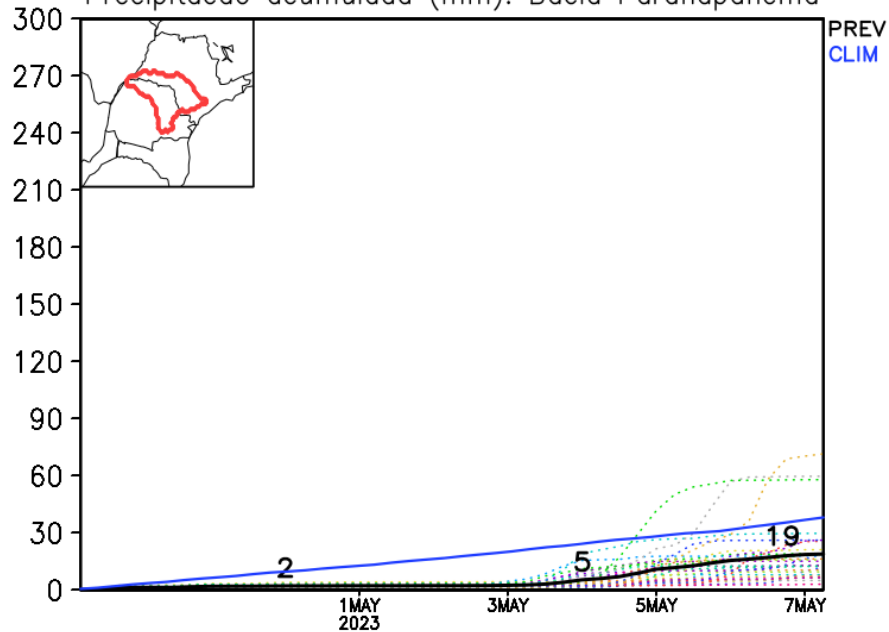
MODELO GFS

Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 27/04/2023

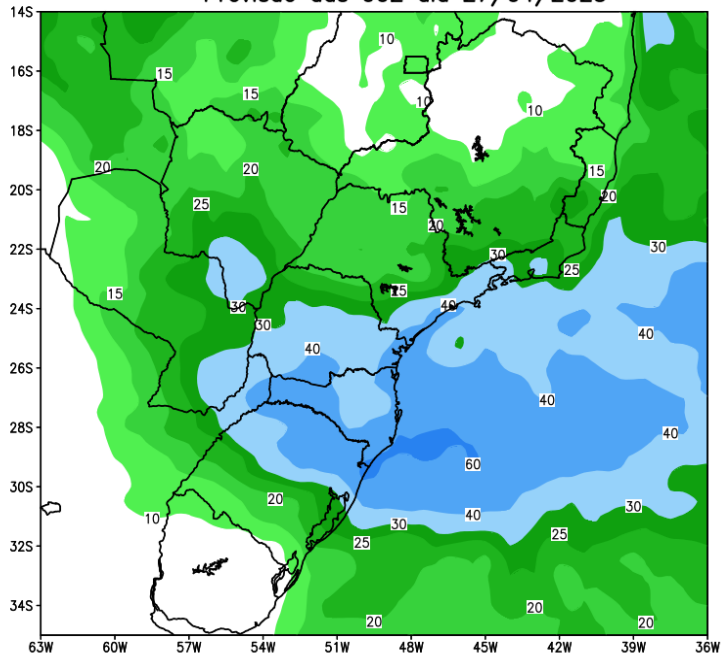


Precipitação acumulada (mm): Bacia Paranapanema

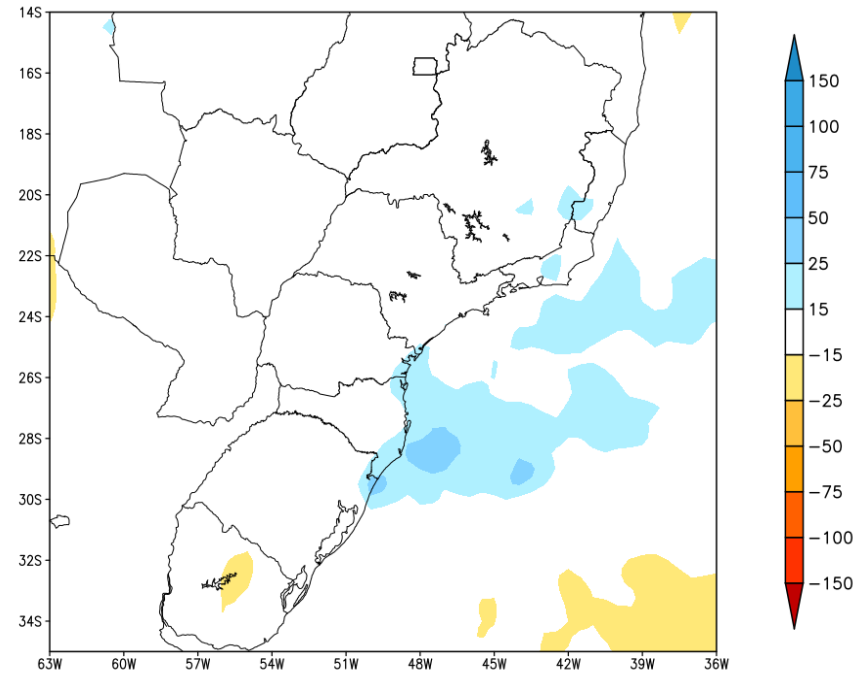


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 27/04/2023



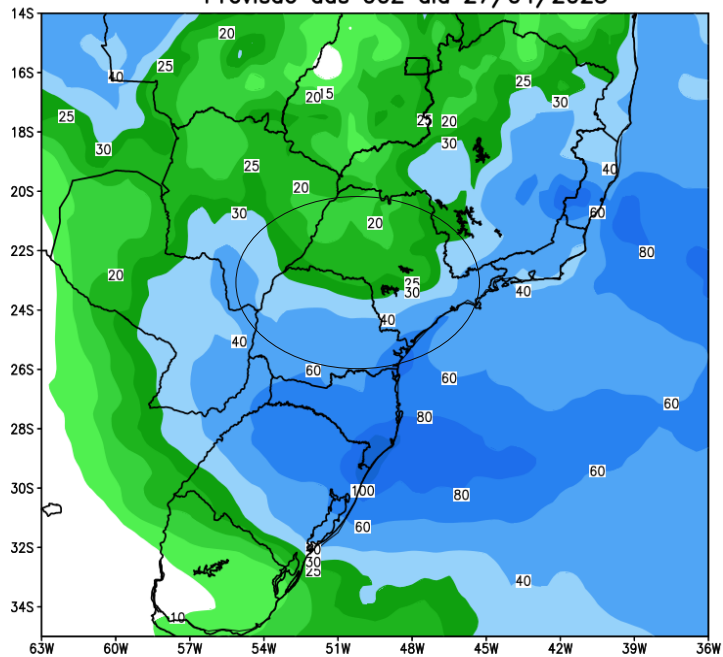
Anomalia de Precipitacao BR SUL (mm)
Periodo: 2023050500 a 2023051100



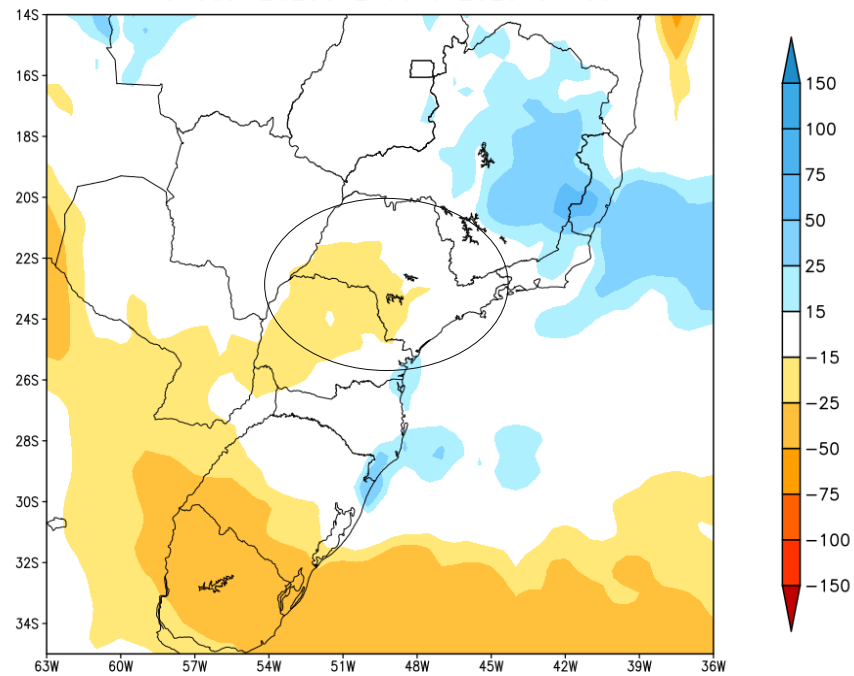
MODELO GFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitacao acumulada 14 dias (mm)
Previsao das 00Z dia 27/04/2023



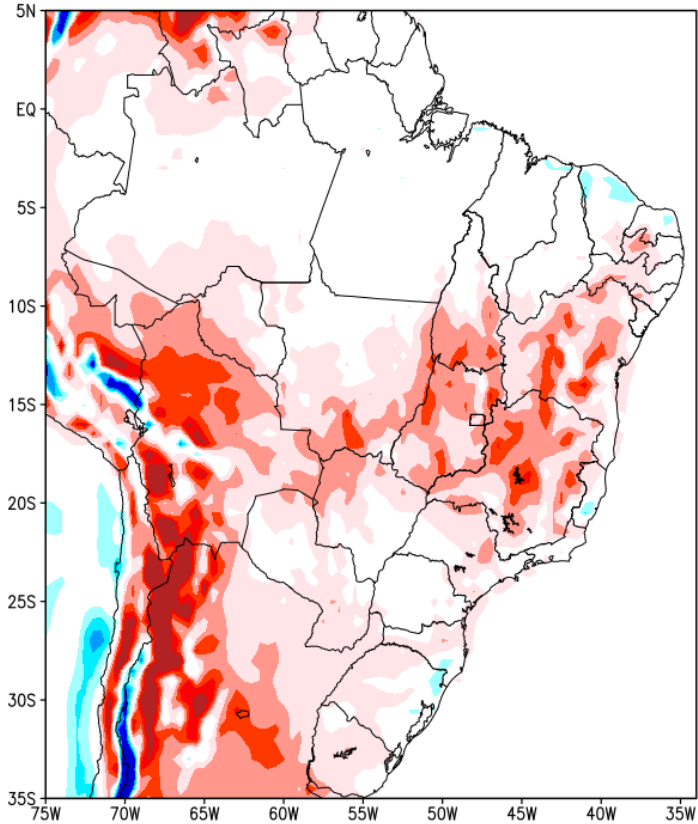
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023042700 a 2023051100



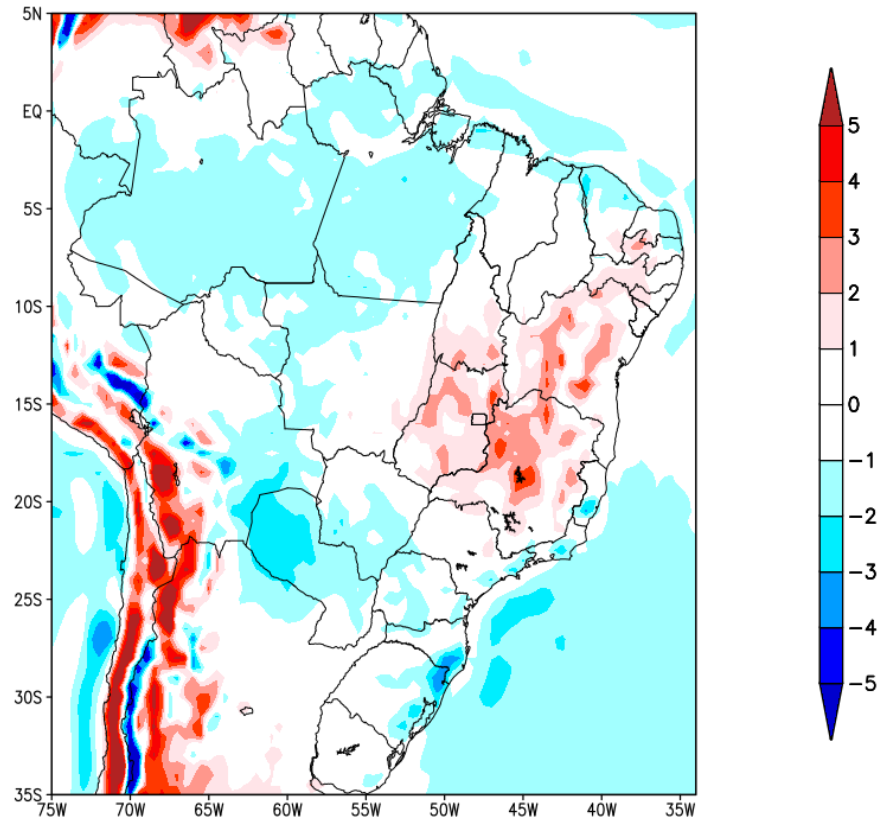
MODELO GFS

Previsão de Temperatura

Anomalia de Temperatura BR (C)
Período: 2023042700 a 2023050400



Anomalia de Temperatura BR (C)
Período: 2023050500 a 2023051100

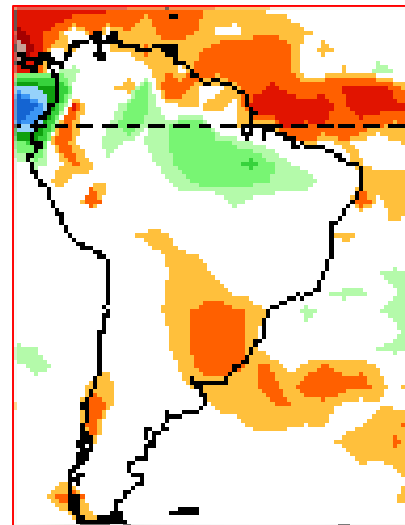
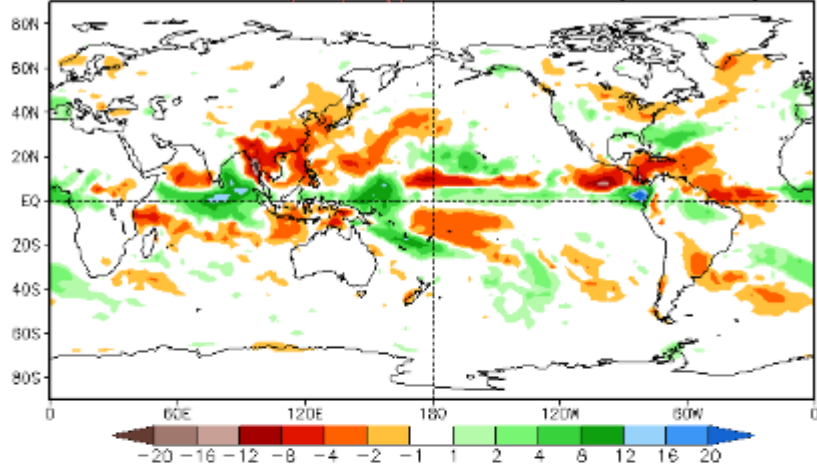


Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 26Apr2023

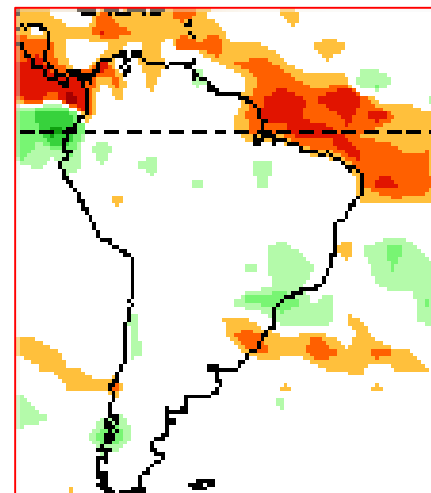
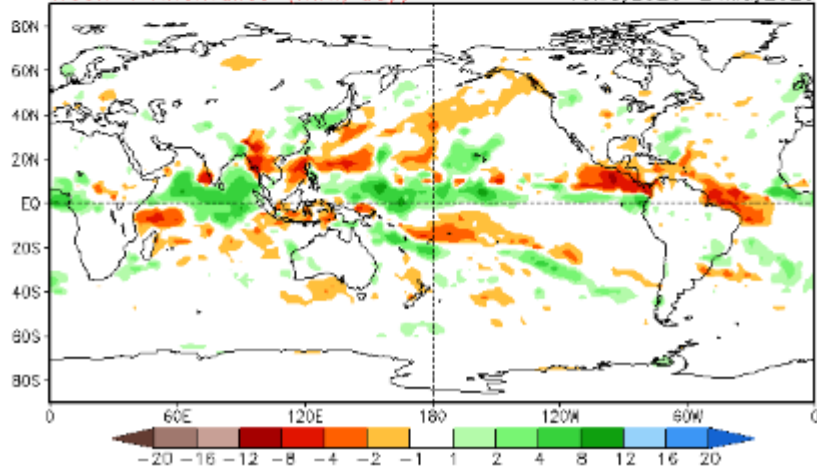
Week 3 Anomalies (mm/day)

11May2023–17May2023



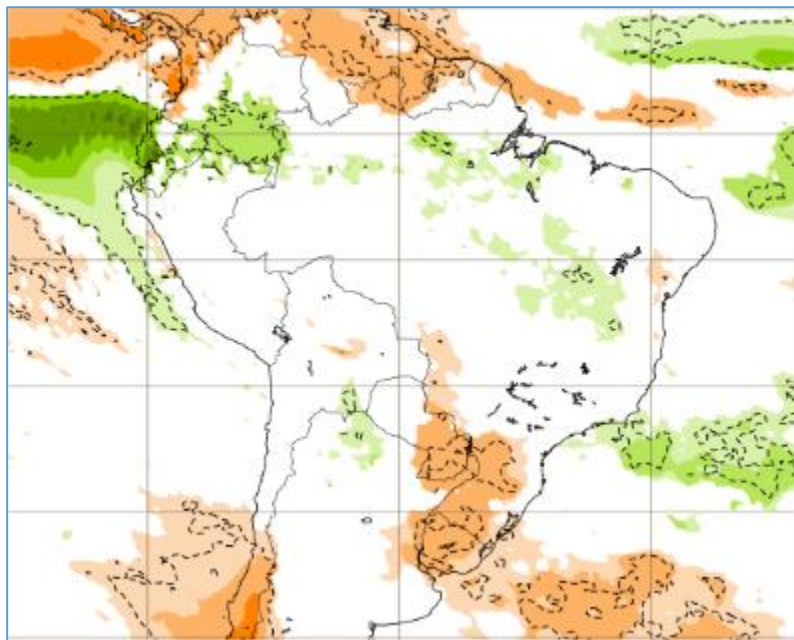
Week 4 Anomalies (mm/day)

18May2023–24May2023

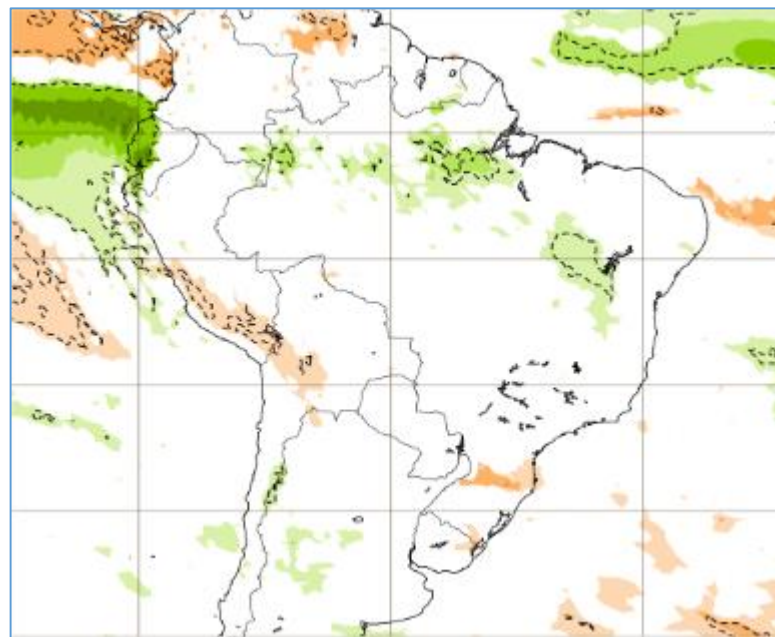


Tendência para 3ª e 4ª semanas

08-15/05



15-22/05





Update prepared by:
Climate Prediction Center / NCEP
17 April 2023

Summary

ENSO Alert System Status: **El Niño Watch**

ENSO-neutral conditions are observed.*

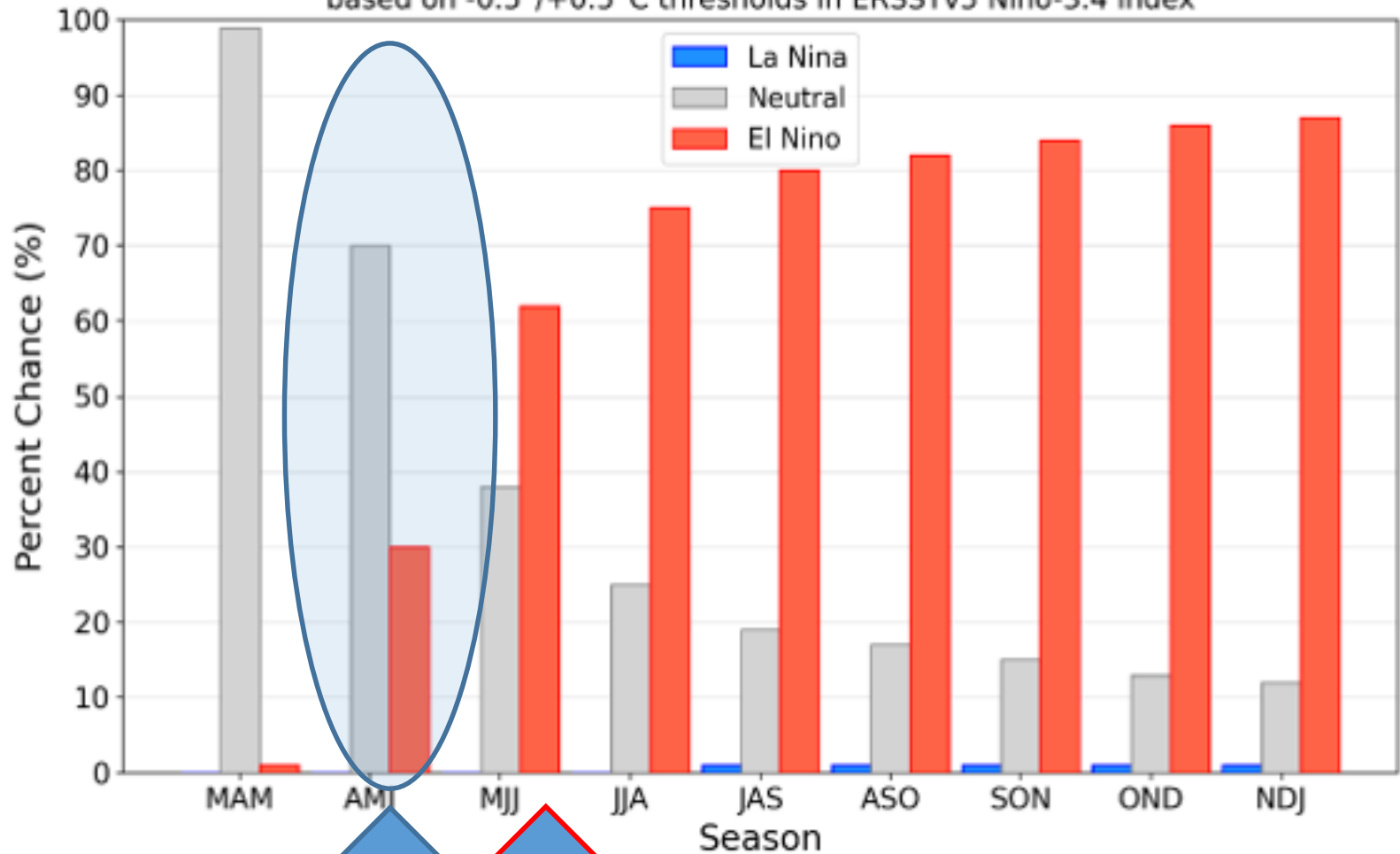
Equatorial sea surface temperatures (SSTs) are near-to-above average across most of the Pacific Ocean.

ENSO-neutral conditions are expected to continue through the Northern Hemisphere spring, followed by a 62% chance of El Niño developing during May-July 2023.*

Previsão do “ENSO”

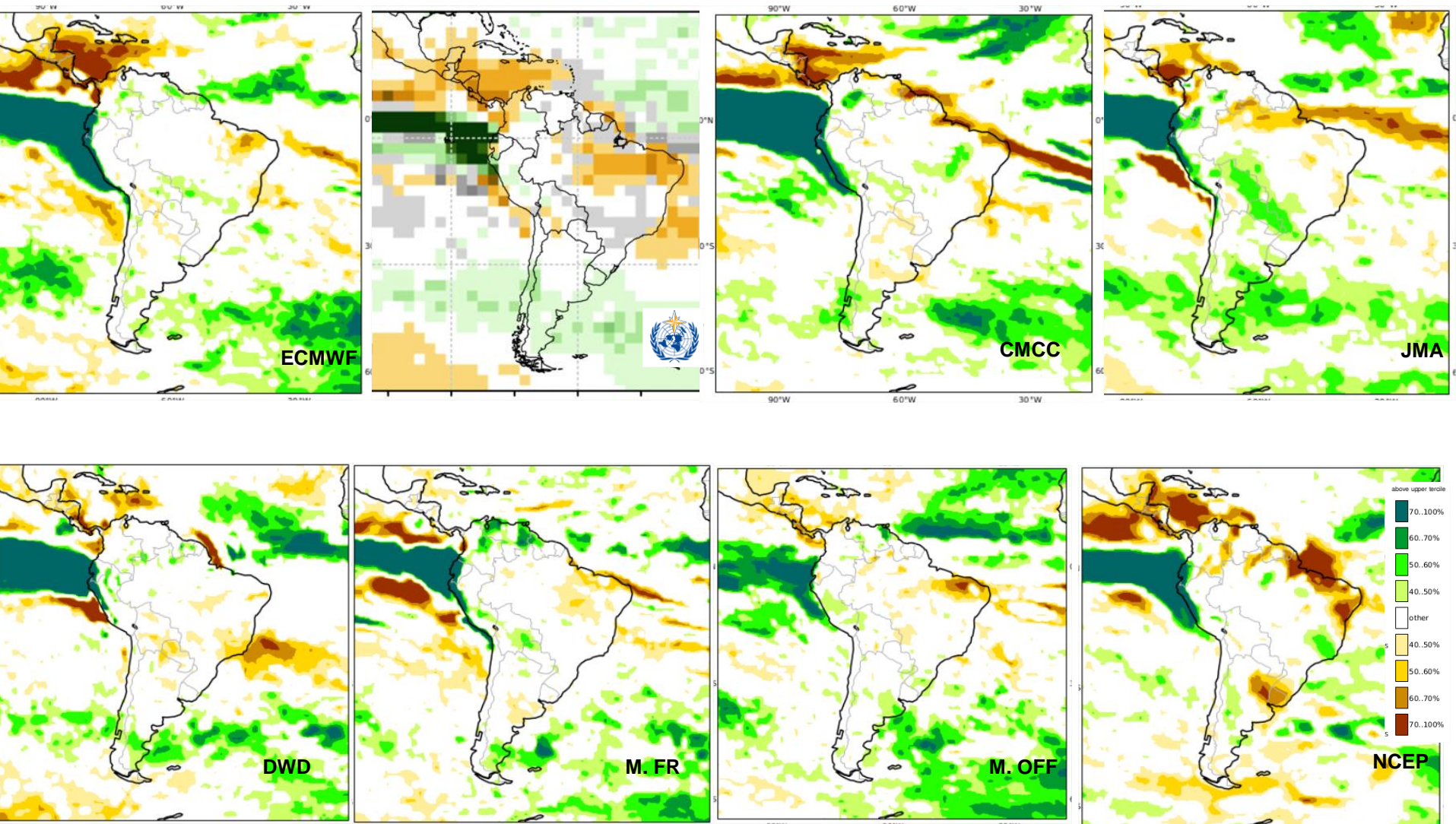
Official NOAA CPC ENSO Probabilities (issued Apr. 2023)

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



Status Atual: **Neutralidade**

Previsão sazonal de Chuva MJJ



Previsão Multi Modelo MJJ

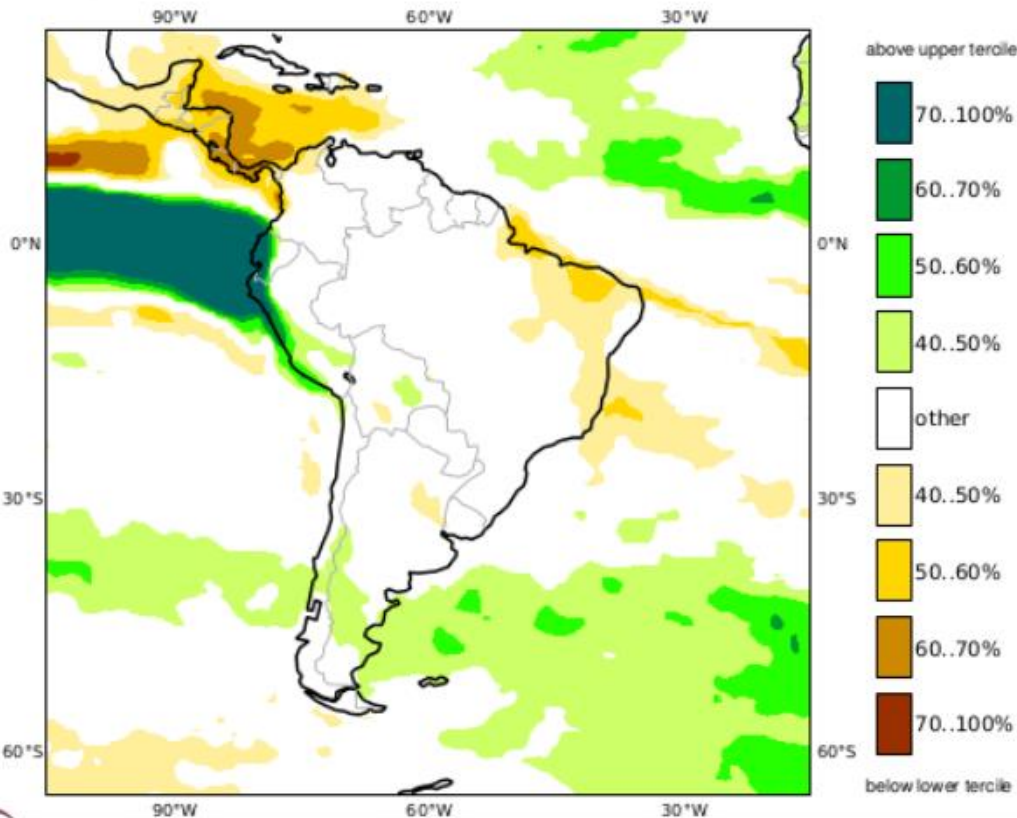
C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/04/23

Unweighted mean

MJJ 2023



NMME Precipitation Anomalies (mm/day)

May2023-Jul2023

April2023 initial conditions

