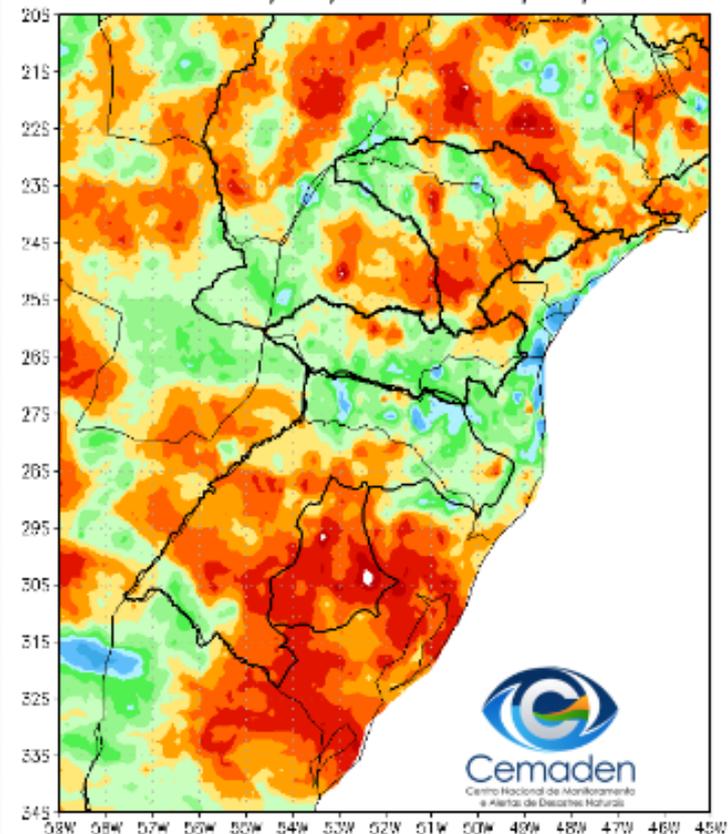


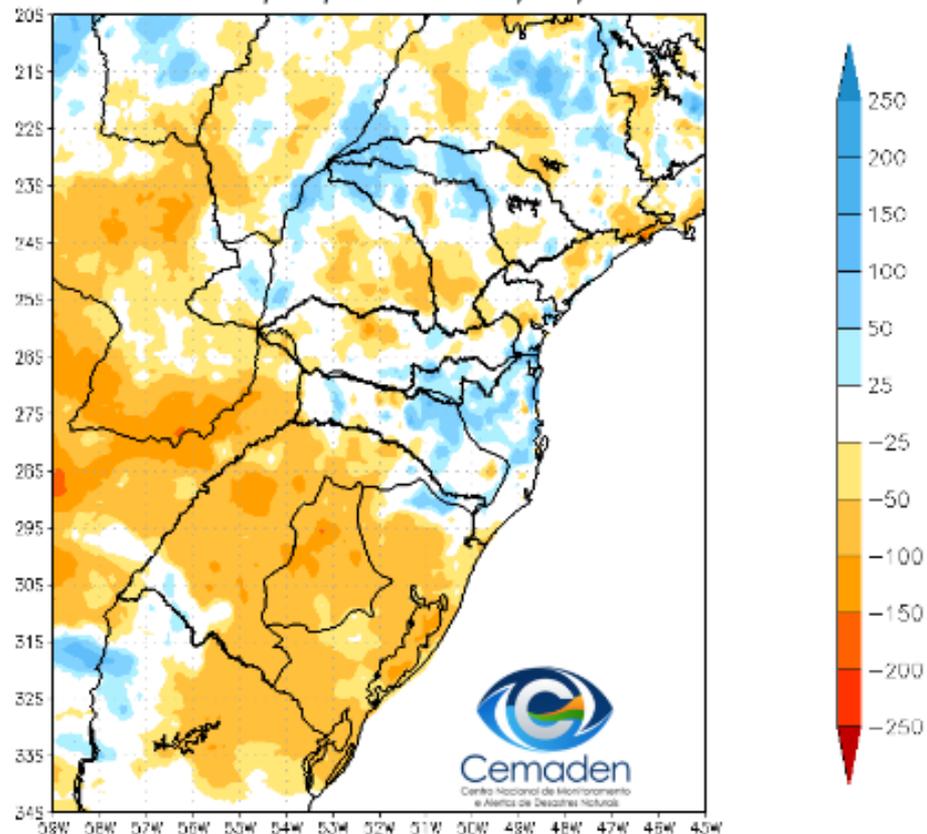
Monitoramento da situação da seca na Região Sul

Precipitação nos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 19/03/2023 a 18/04/2023

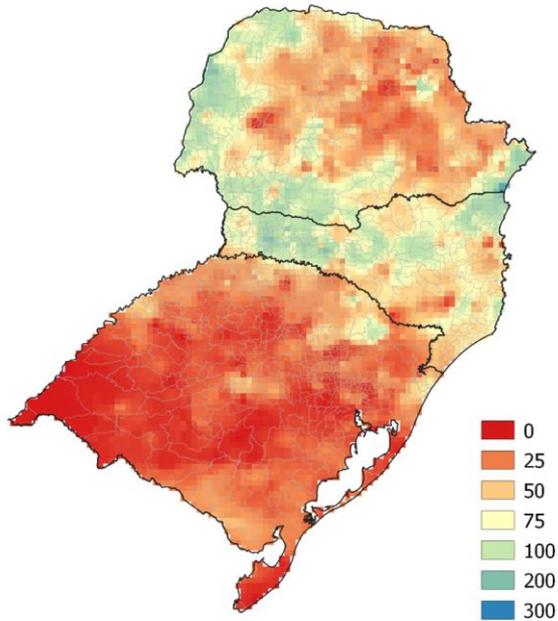


Anomalia de Precipitacao (mm) A.S.
Período: 19/03/2023 a 18/04/2023

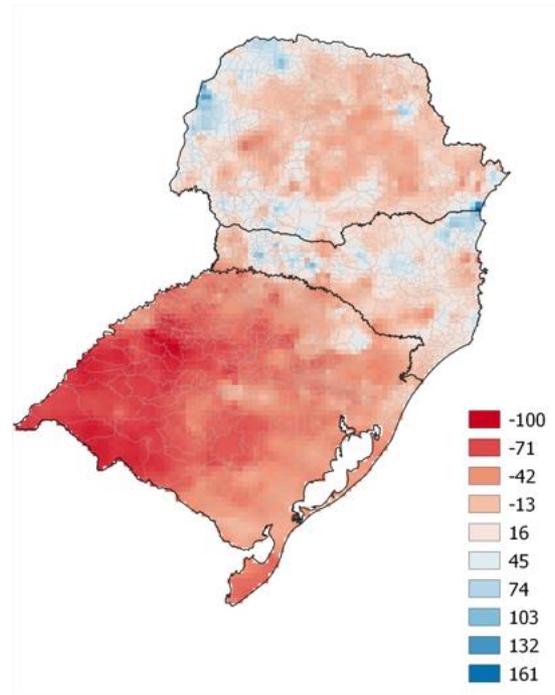


PRECIPITAÇÃO: ABRIL 2023

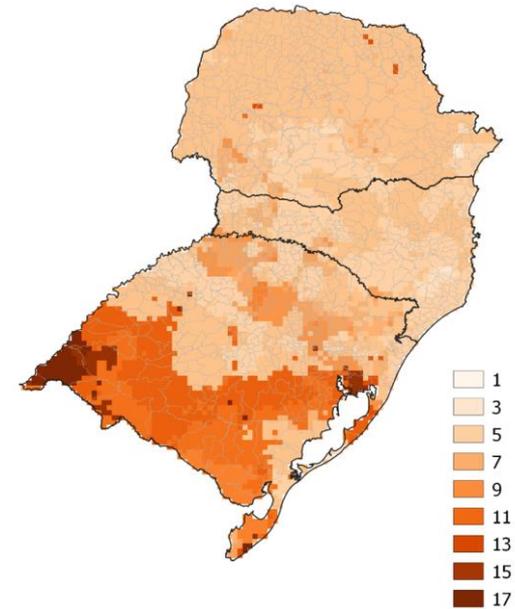
Chuva acumulada (mm)



Anomalia parcial (mm)

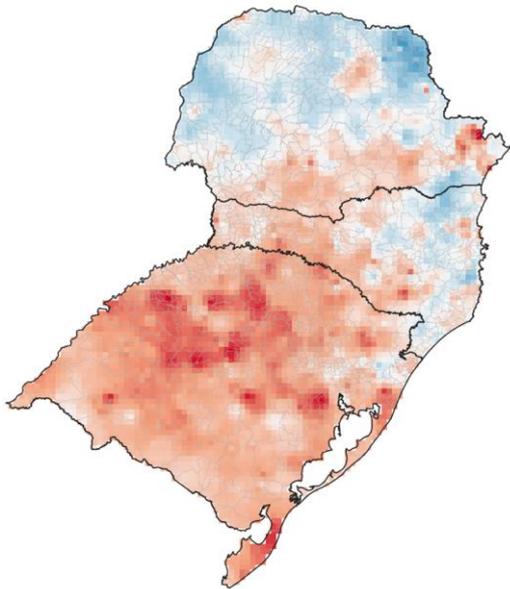


Máximo de dias consecutivos sem chuva

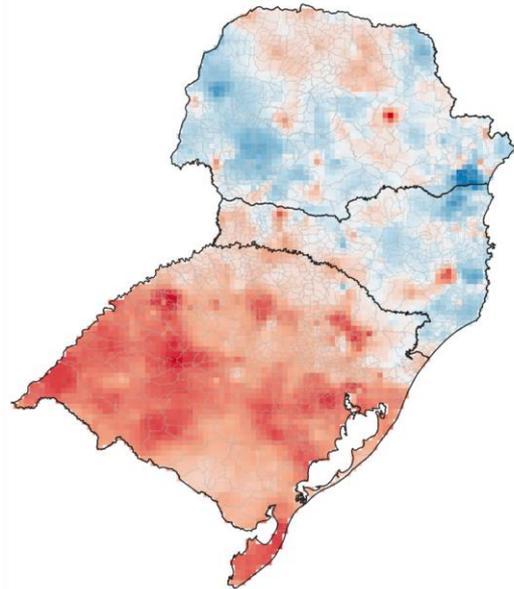


SPI: ABRIL 2023

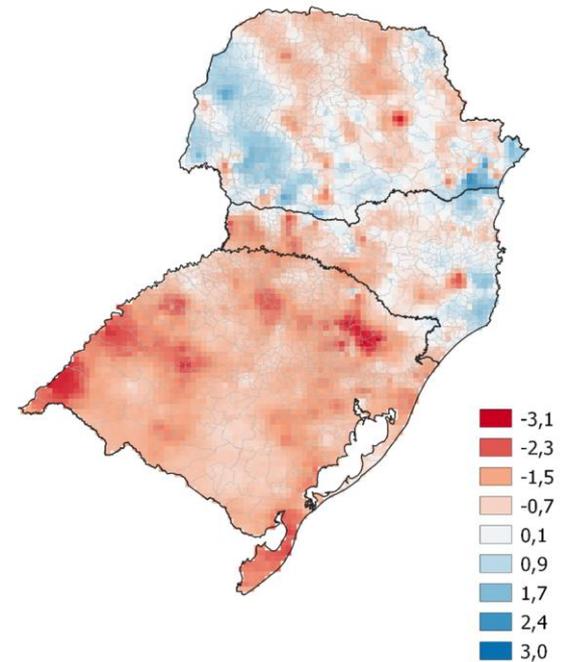
SPI03



SPI12



SPI24

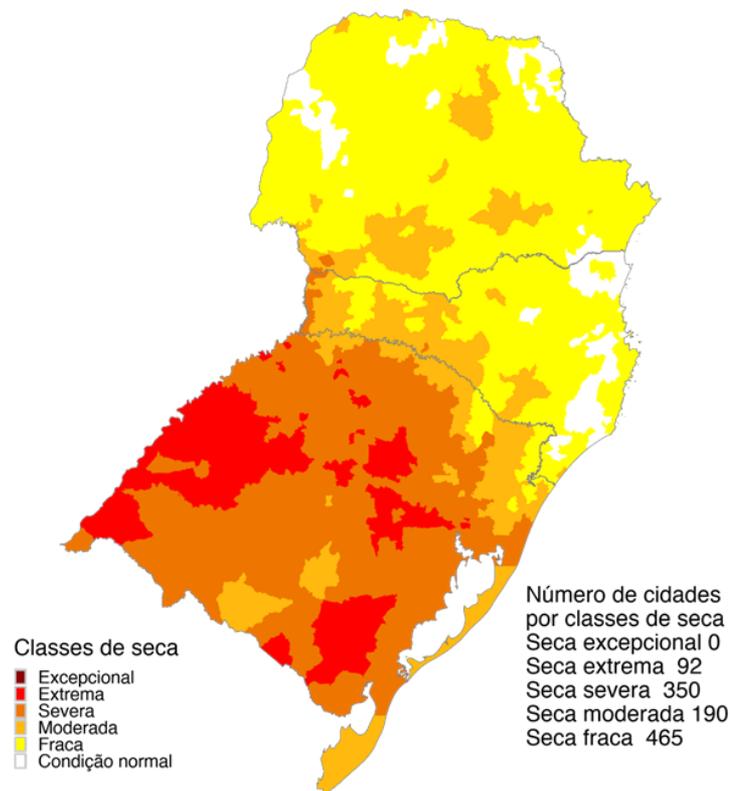
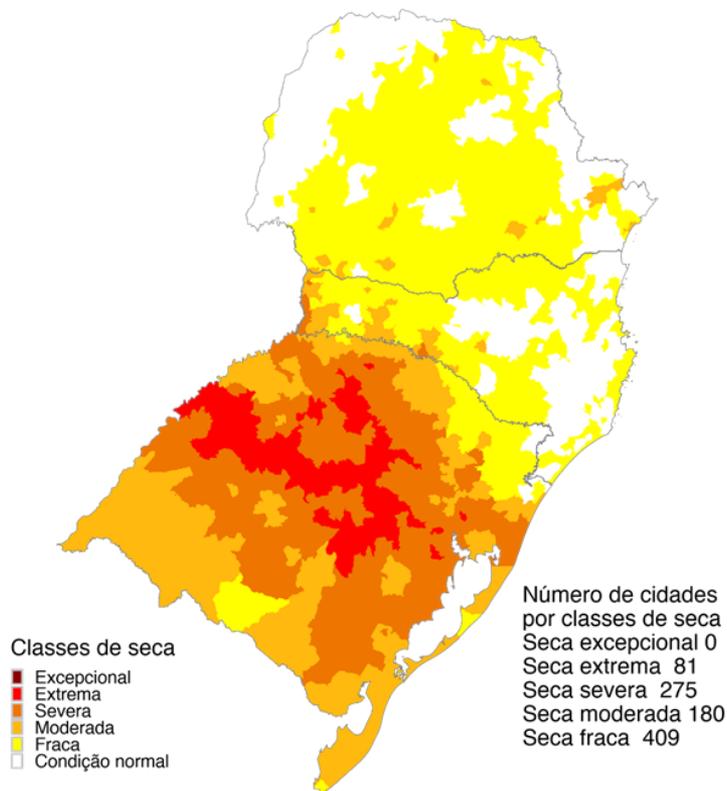


ÍNDICE INTEGRADO DE SECA - IIS

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

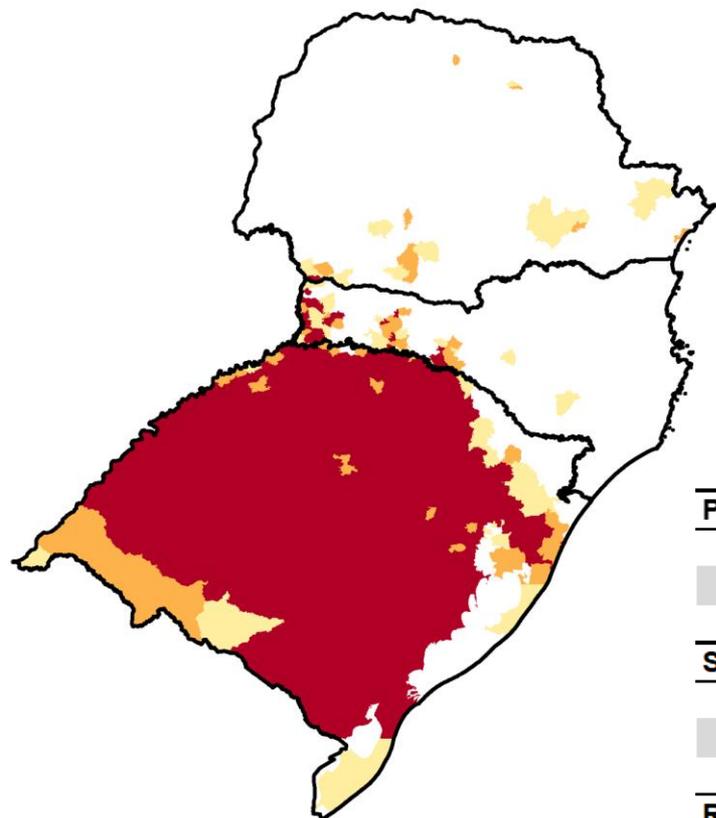
IIS 3 MESES

IIS 6 MESES



ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

ABR/23



UF	40 a 60%	60 - 80%	> 80%
PR	16	8	1
RS	14	26	429
SC	16	12	19

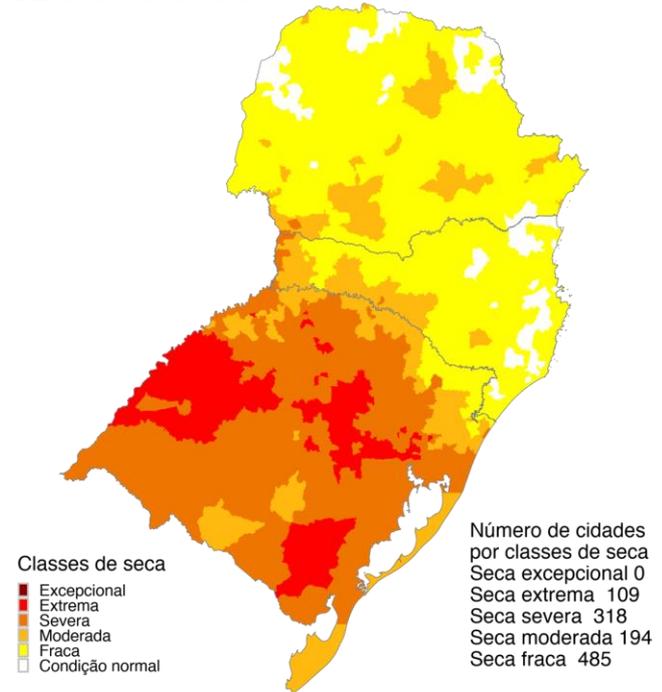
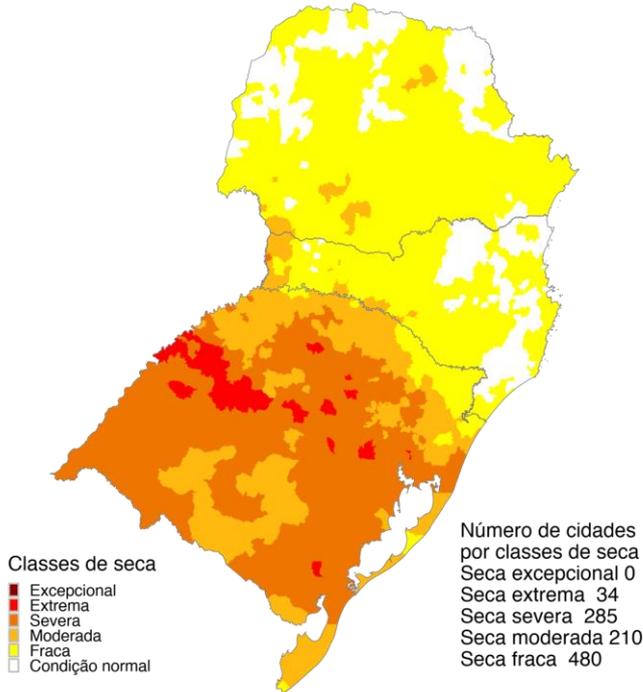
	40 a 60%	60 - 80%	> 80%	Imóveis Rurais Impactados > 40%
Paraná				
Minifundio	12413 (5%)	2381 (1%)	607 (*)	15401 (6%)
Pequena Propriedade	4885 (4%)	1512 (1%)	105 (*)	6502 (5%)
Media Propriedade	1067 (4%)	284 (1%)	12 (*)	1363 (5%)
Santa Catarina				
Minifundio	17563 (8%)	11316 (5%)	15579 (7%)	44458 (19%)
Pequena Propriedade	4214 (5%)	3044 (4%)	3044 (3%)	10001 (12%)
Media Propriedade	440 (4%)	149 (2%)	70 (1%)	659 (7%)
Rio Grande do Sul				
Minifundio	6574 (2%)	17879 (5%)	332748 (90%)	357201 (97%)
Pequena Propriedade	1743 (3%)	1572 (4%)	19977 (90%)	133612 (97%)
Media Propriedade	1743 (7%)	1572 (6%)	19977 (81%)	23292 (94%)

(*) Percentagem inferior a 1%.

CENÁRIOS ÍNDICE INTEGRADO DE SECA - IIS: MAIO/2023

ACIMA 30 %

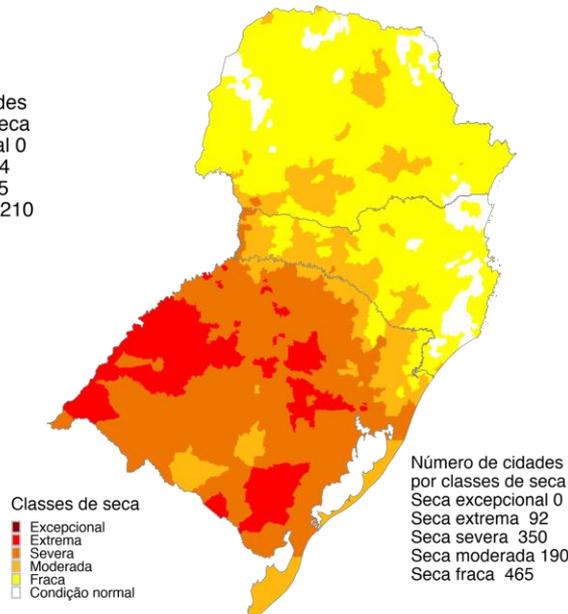
ABAIXO 30 %



Abril/23

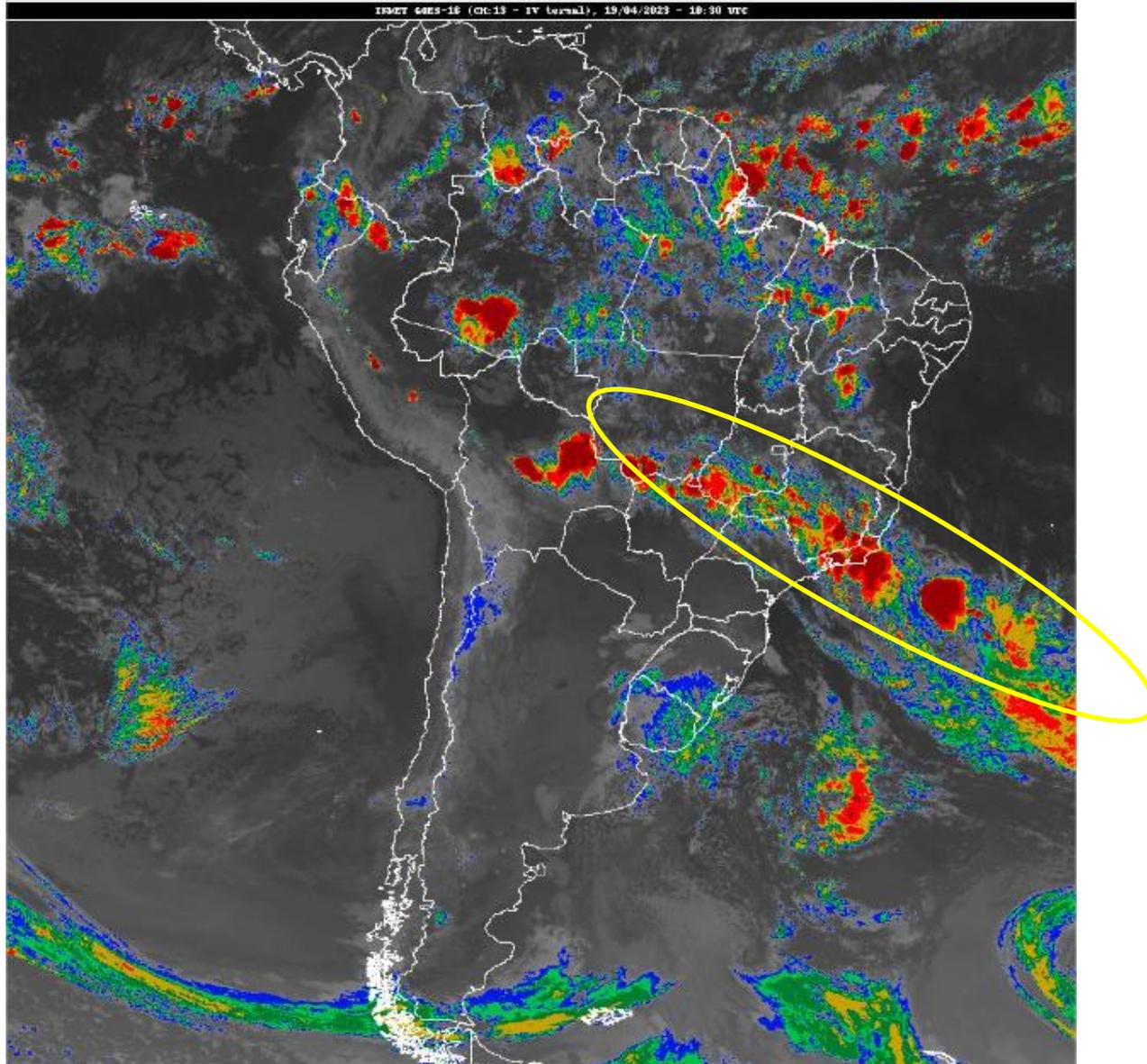
Abril 2023
 Índice Integrado de Seca (SPI6, VHI, US)
 Cenário: Chuva + 40%
 Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

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



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

Situação meteorológica atual



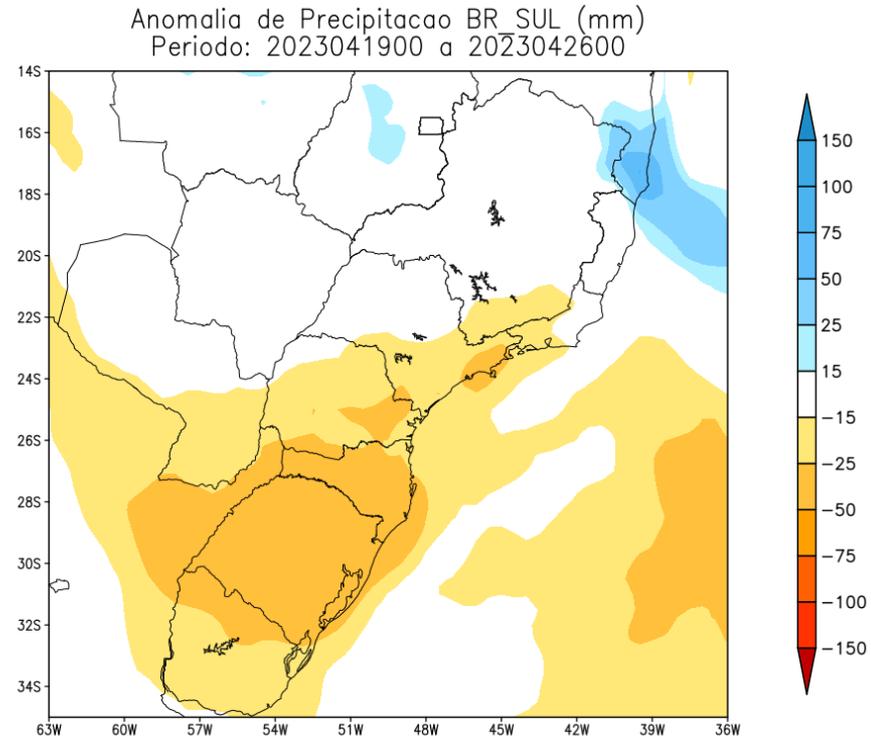
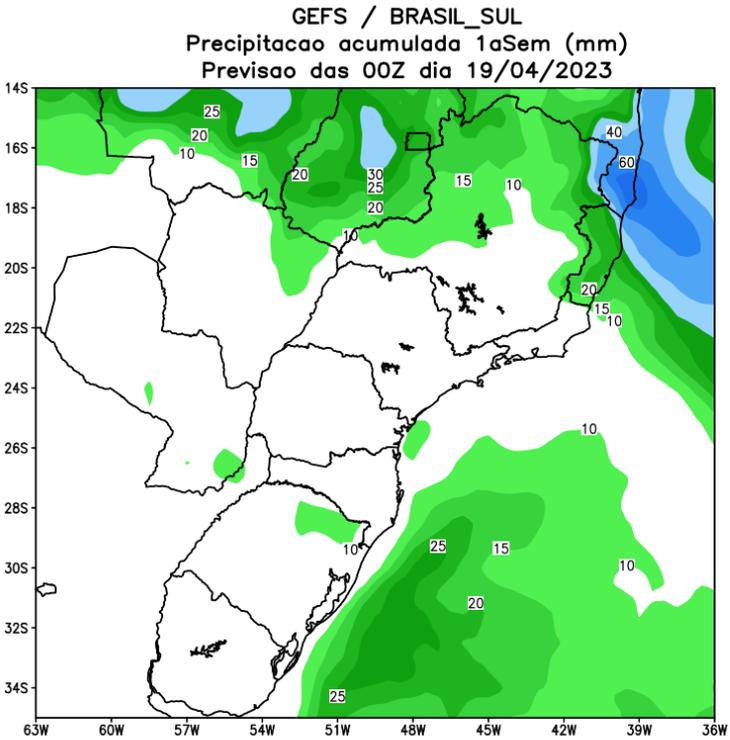
-25°

-35°

-45°

-55°

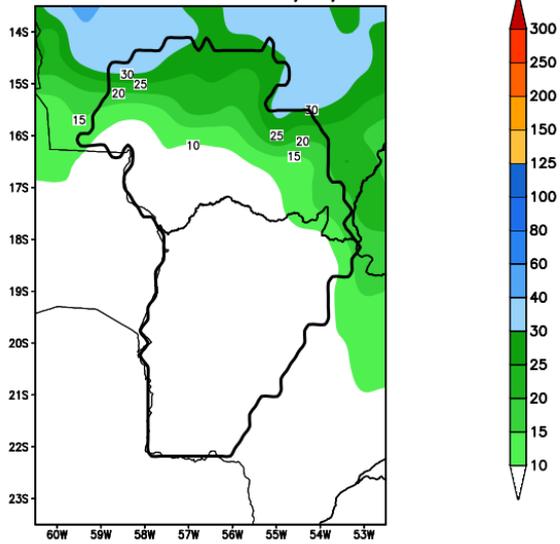
Previsão de chuva próximos 7 dias



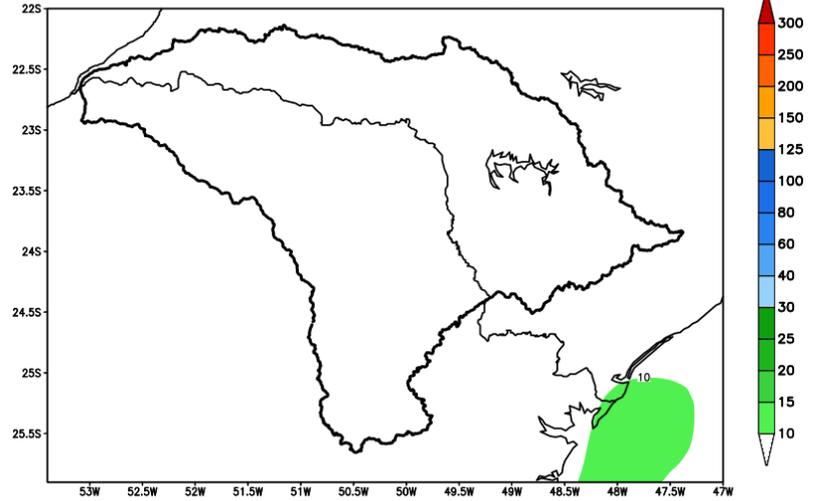
MODELO GFS

Previsão para as principais bacias

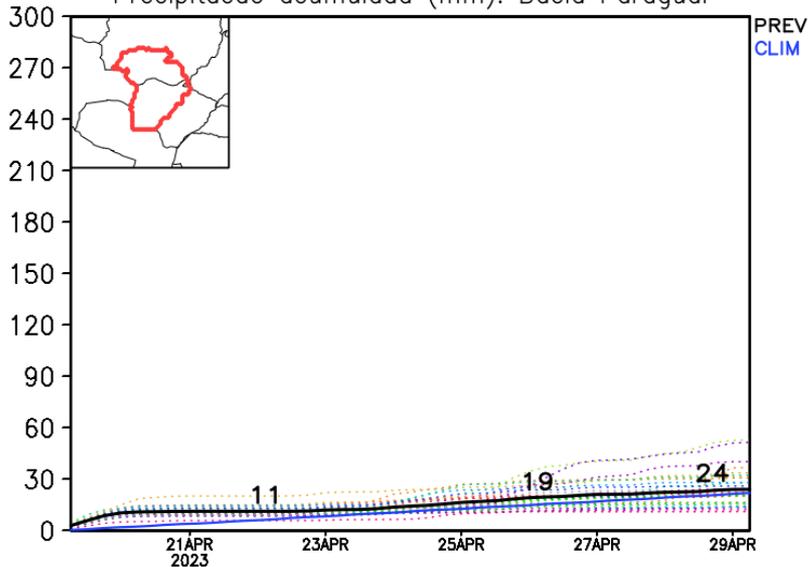
GEFS / Bacia do Rio Paraguai
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 19/04/2023



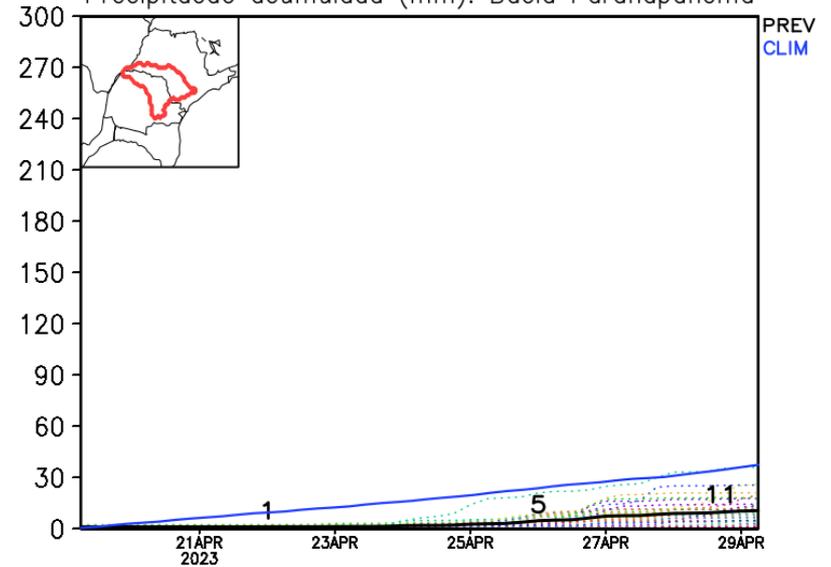
GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 19/04/2023



Precipitação acumulada (mm): Bacia Paraguai



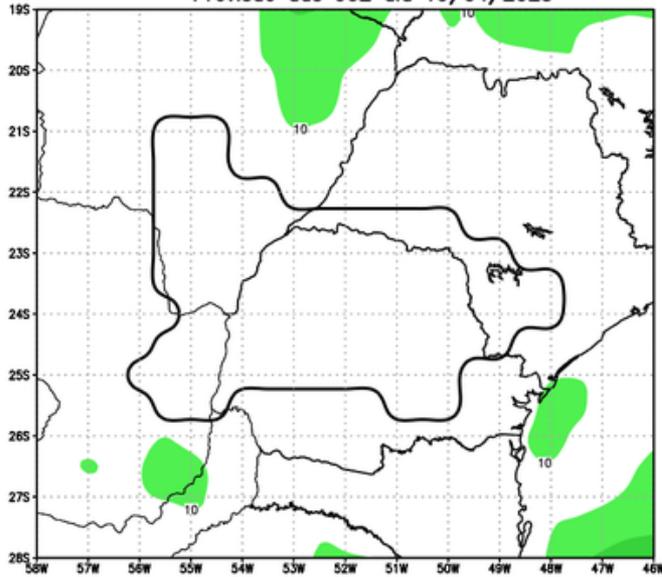
Precipitação acumulada (mm): Bacia Paranapanema



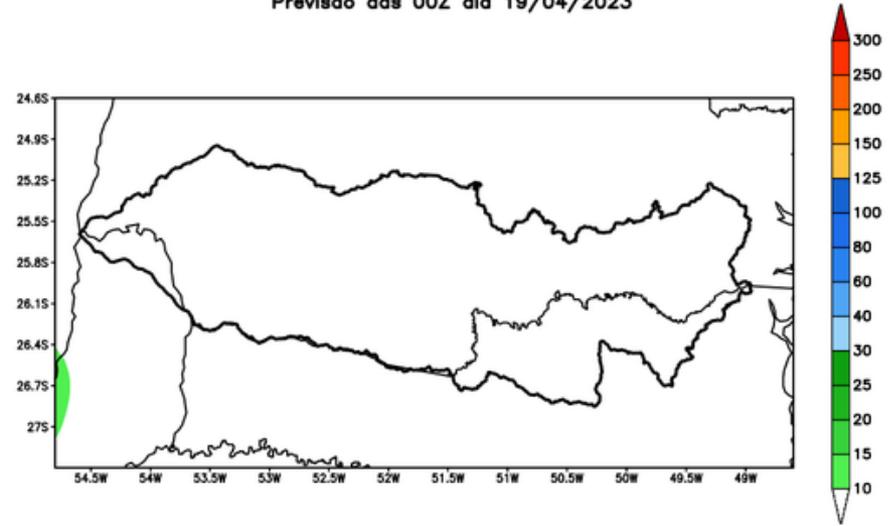
MODELO GFS

Previsão para as principais bacias

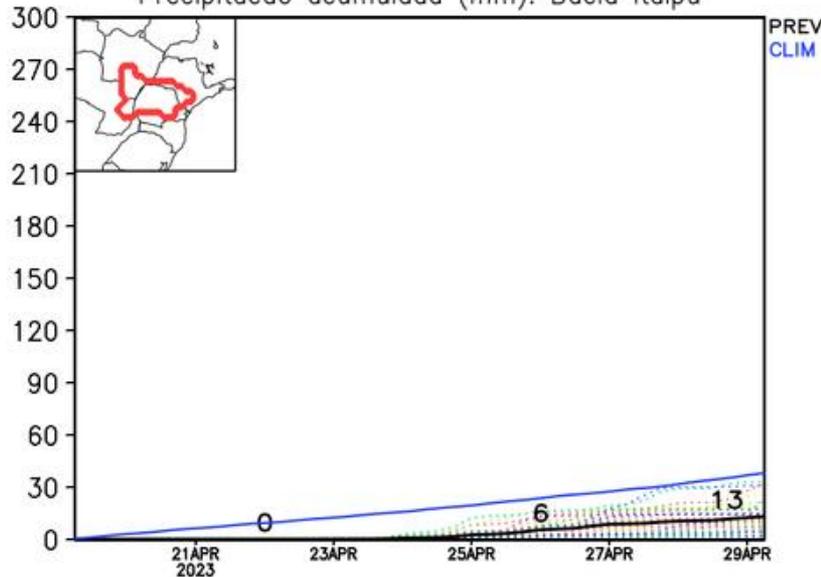
GEFS / Itaipu
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 19/04/2023



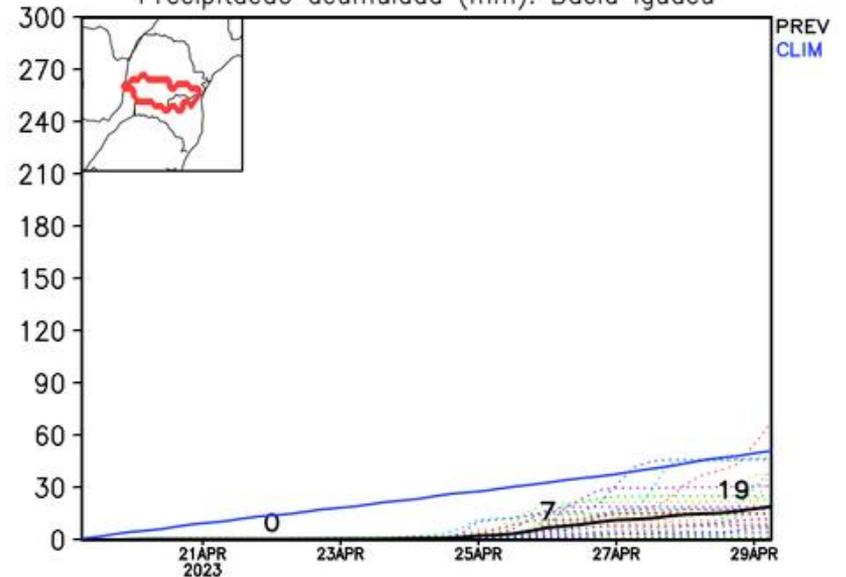
GEFS / Bacia do Rio Iguacu
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 19/04/2023



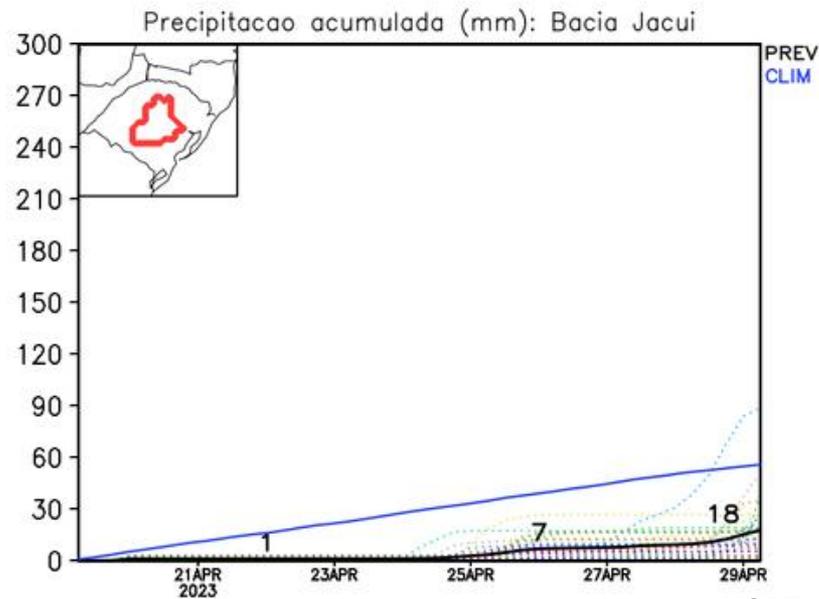
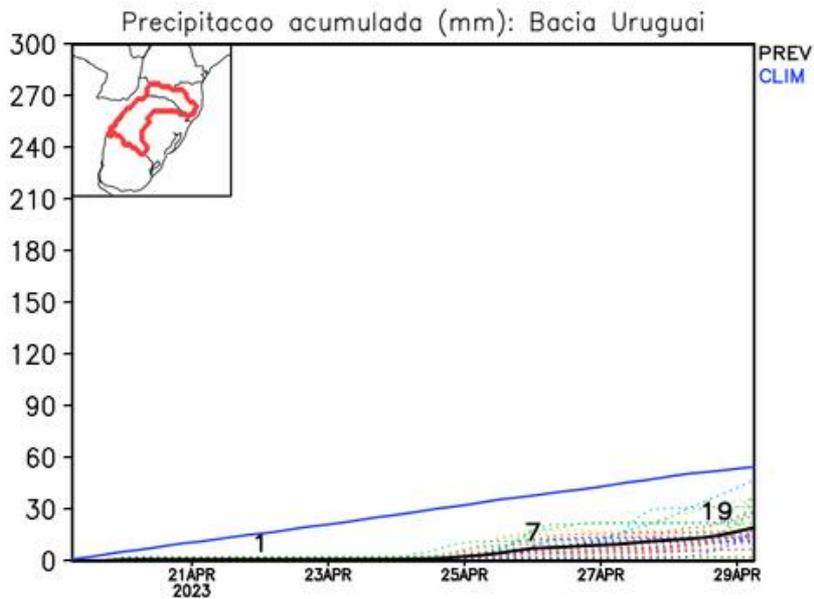
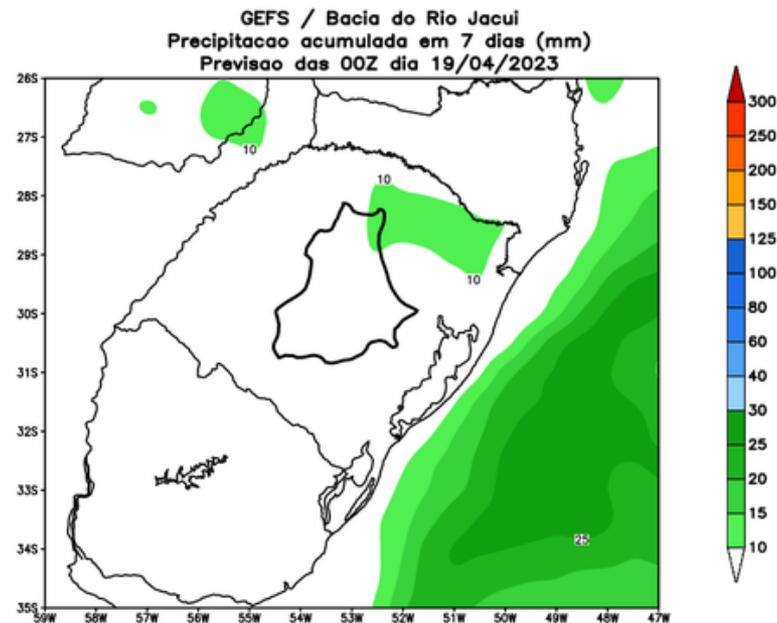
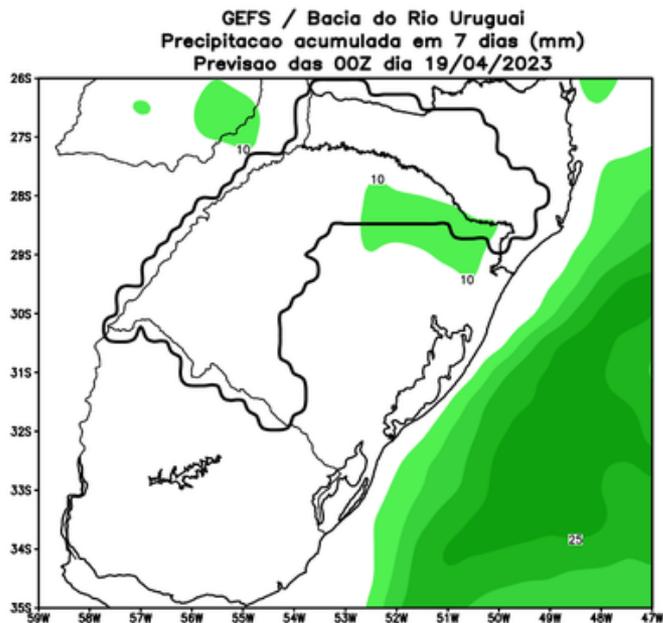
Precipitação acumulada (mm): Bacia Itaipu



Precipitação acumulada (mm): Bacia Iguacu

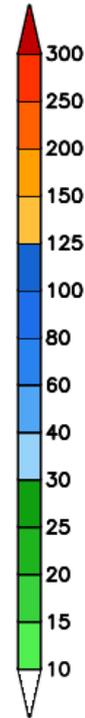
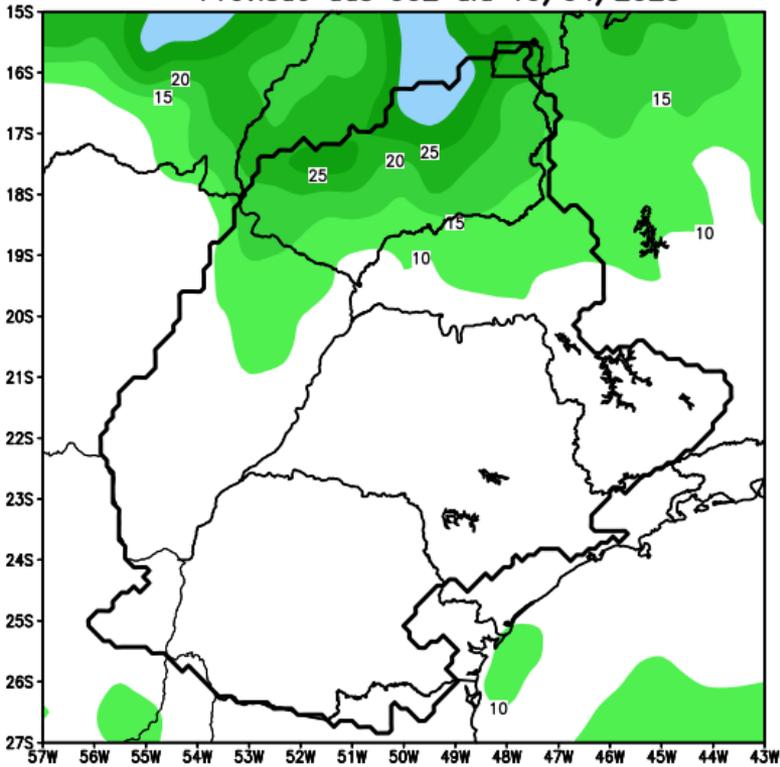


Previsão para as principais bacias

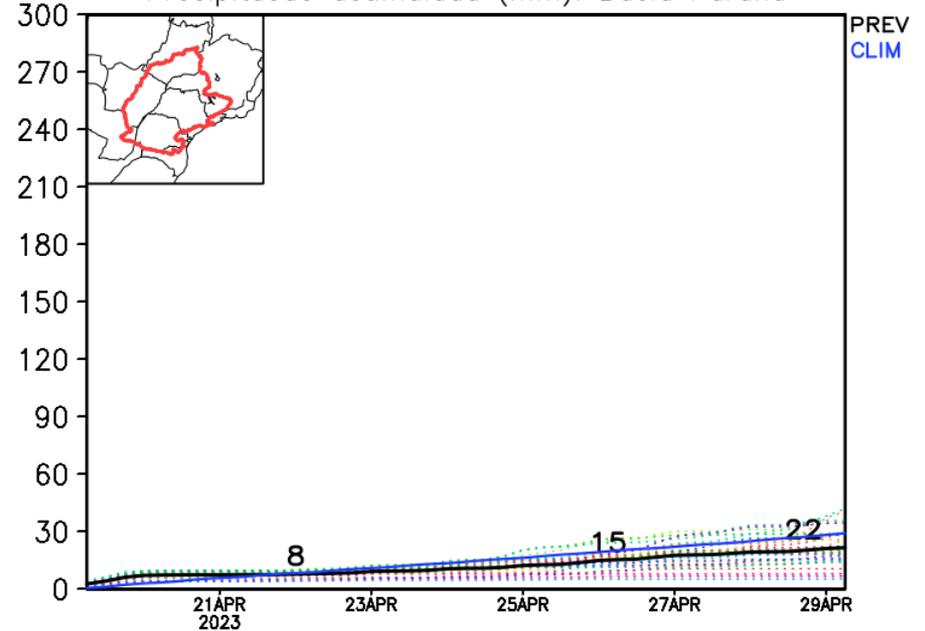


Previsão para as principais bacias

GEFS / Bacia do Parana
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 19/04/2023

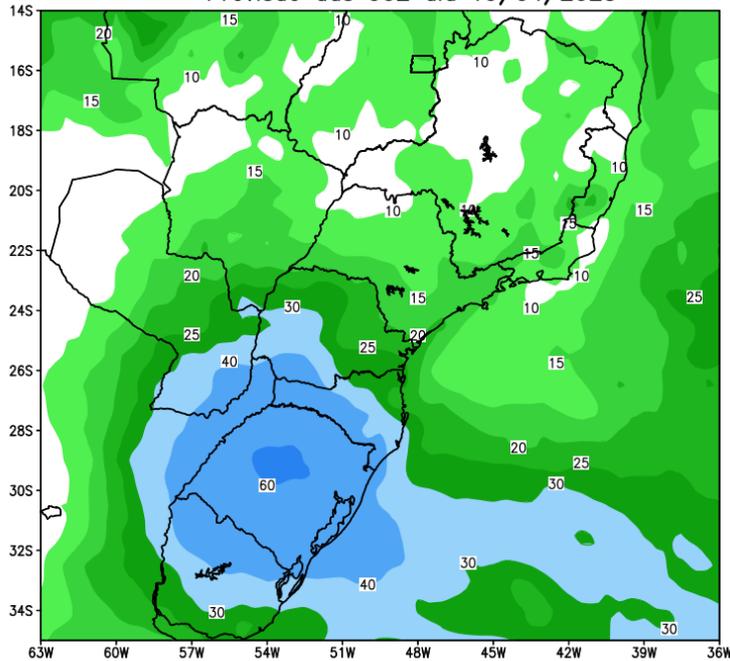


Precipitacao acumulada (mm): Bacia Parana

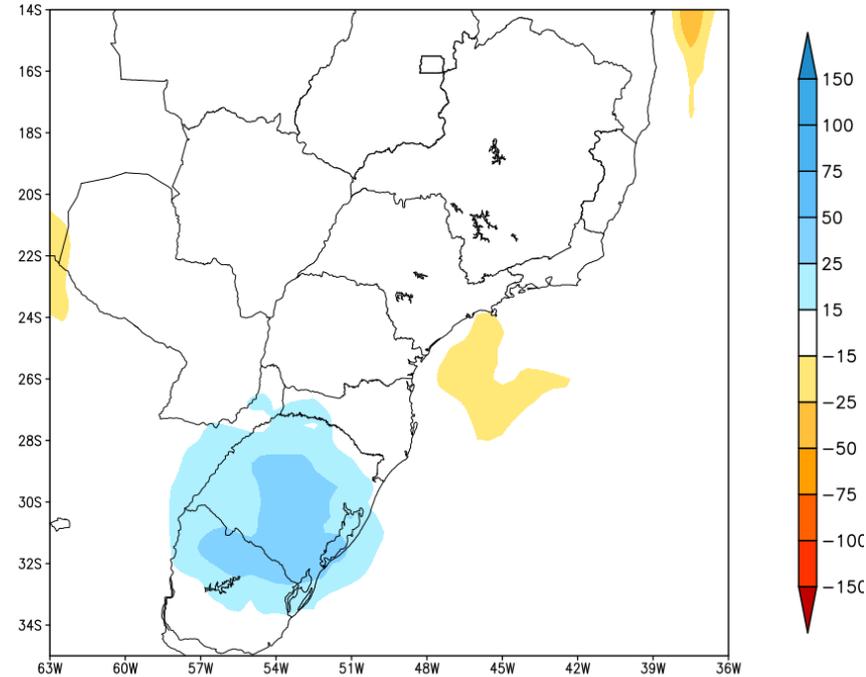


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 19/04/2023



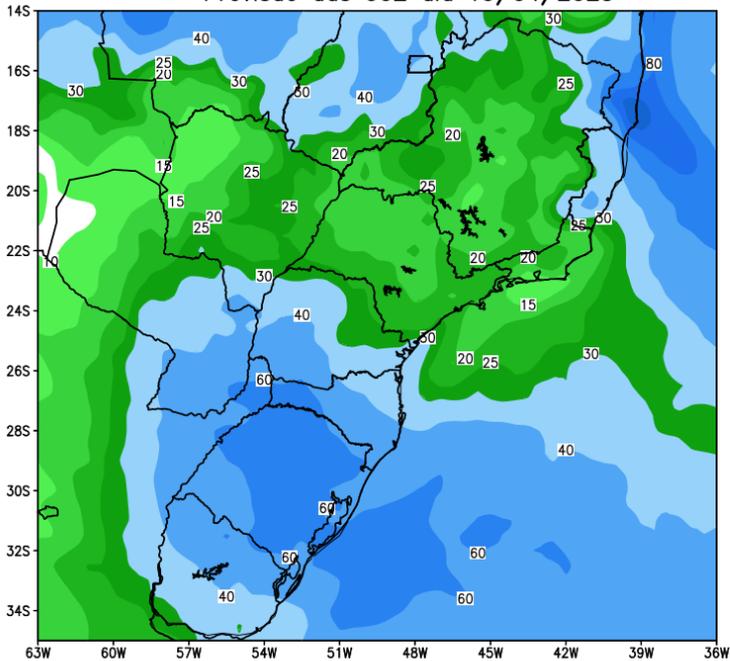
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023042700 a 2023050300



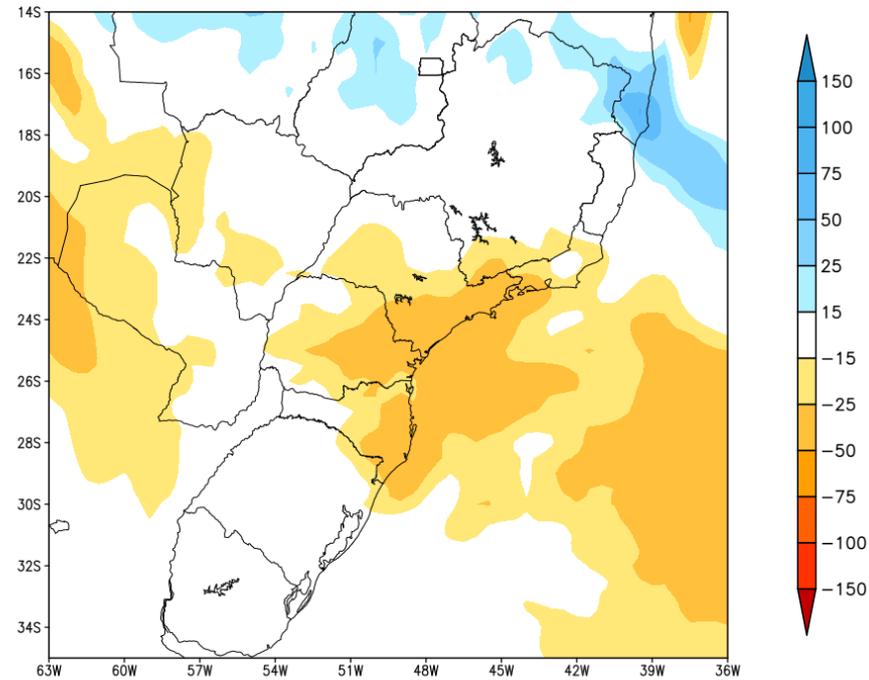
MODELO GFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 19/04/2023



Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023041900 a 2023050300



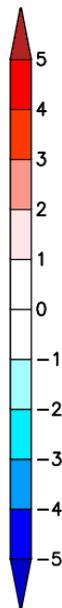
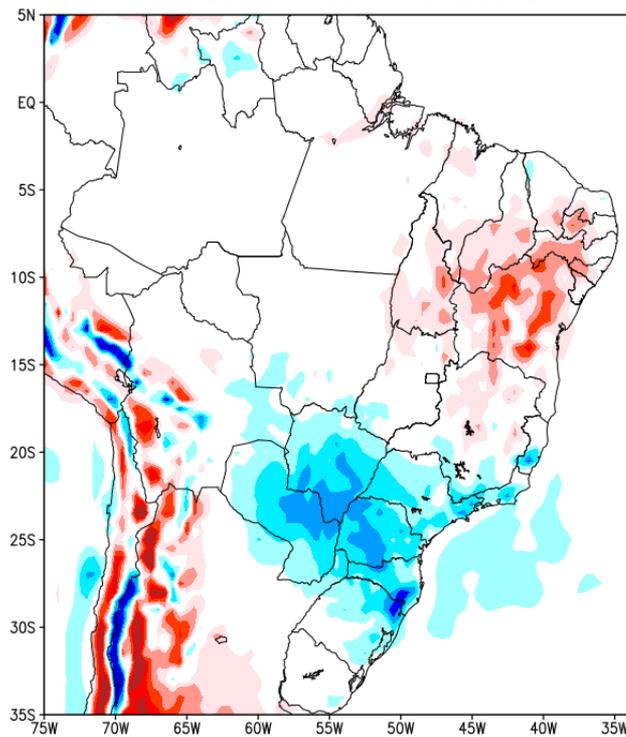
MODELO GFS

Previsão de Temperatura

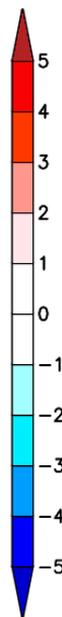
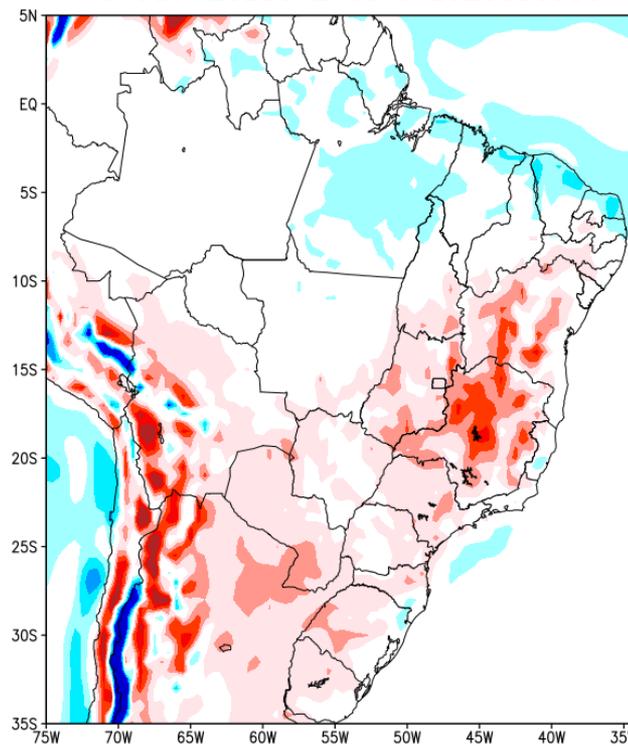
1ª Semana

2ª Semana

Anomalia de Temperatura BR (C)
Período: 2023041900 a 2023042600



Anomalia de Temperatura BR (C)
Período: 2023042700 a 2023050300

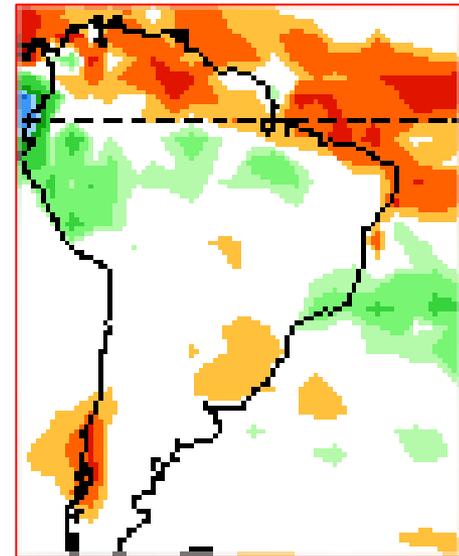
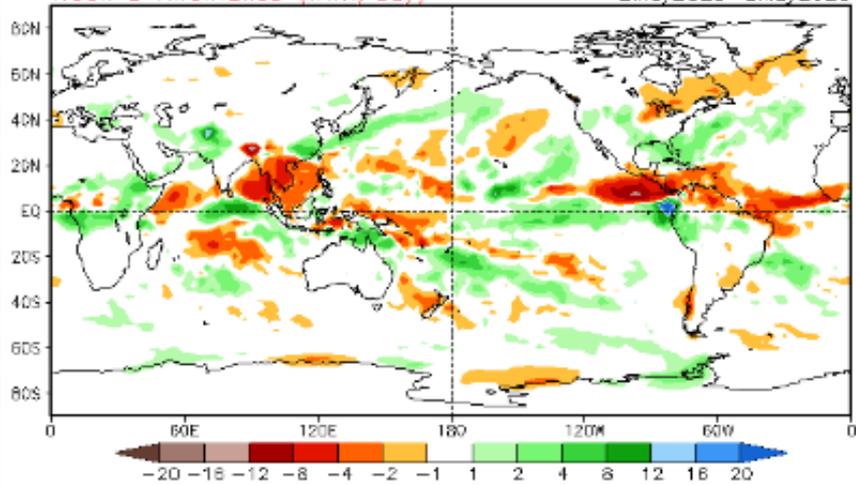


Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 17Apr2023

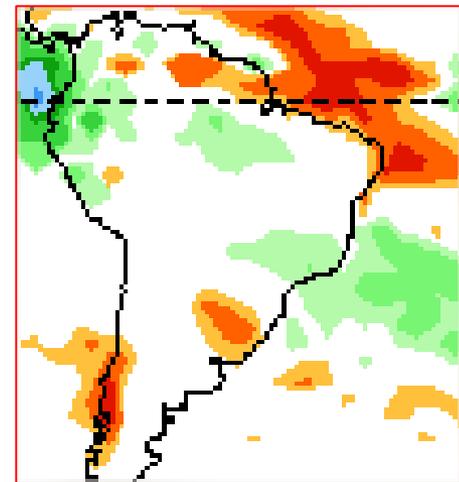
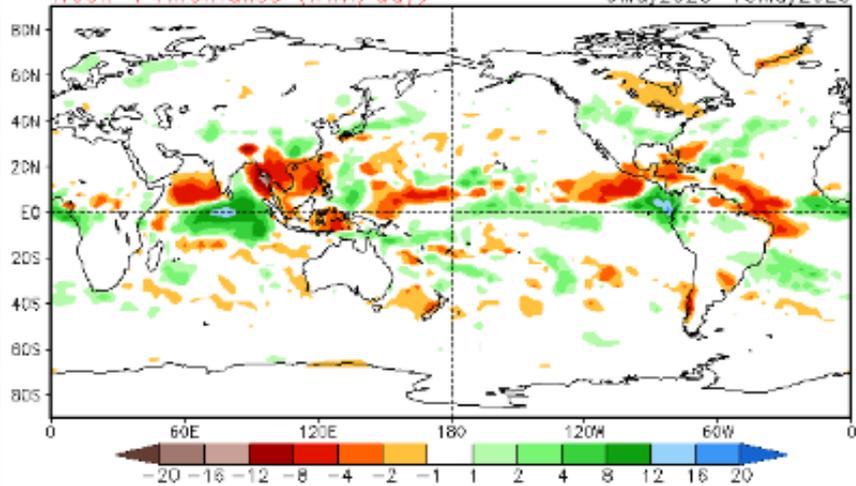
Week 3 Anomalies (mm/day)

2May2023-8May2023



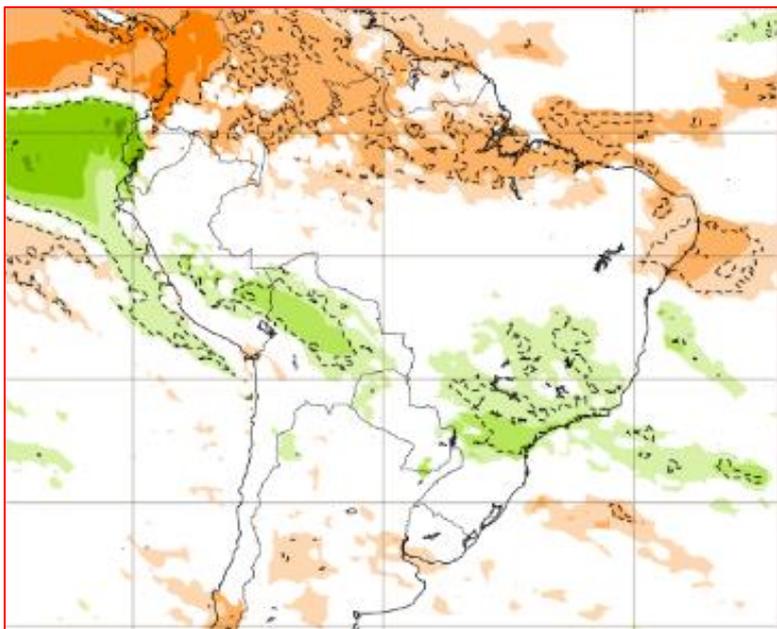
Week 4 Anomalies (mm/day)

9May2023-15May2023

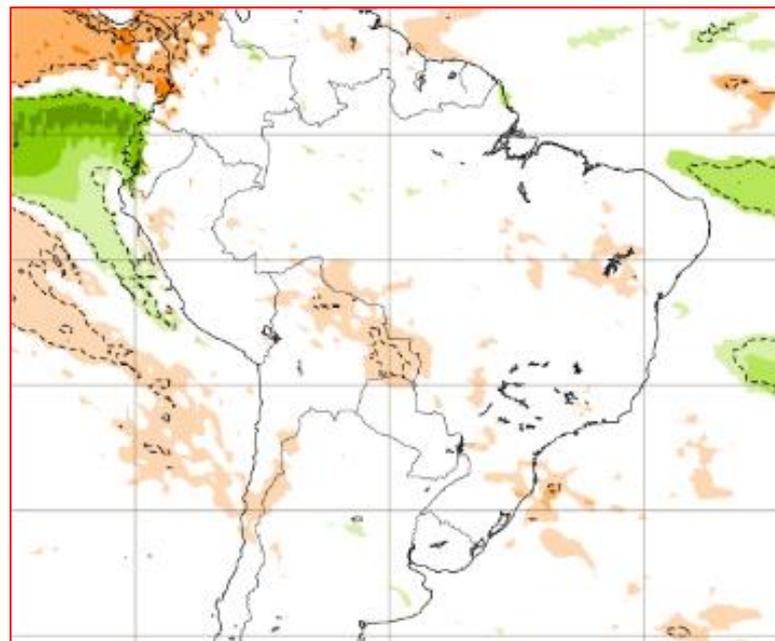


Tendência para 3ª e 4ª semanas

01-07/05



08-15/05





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

Summary

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

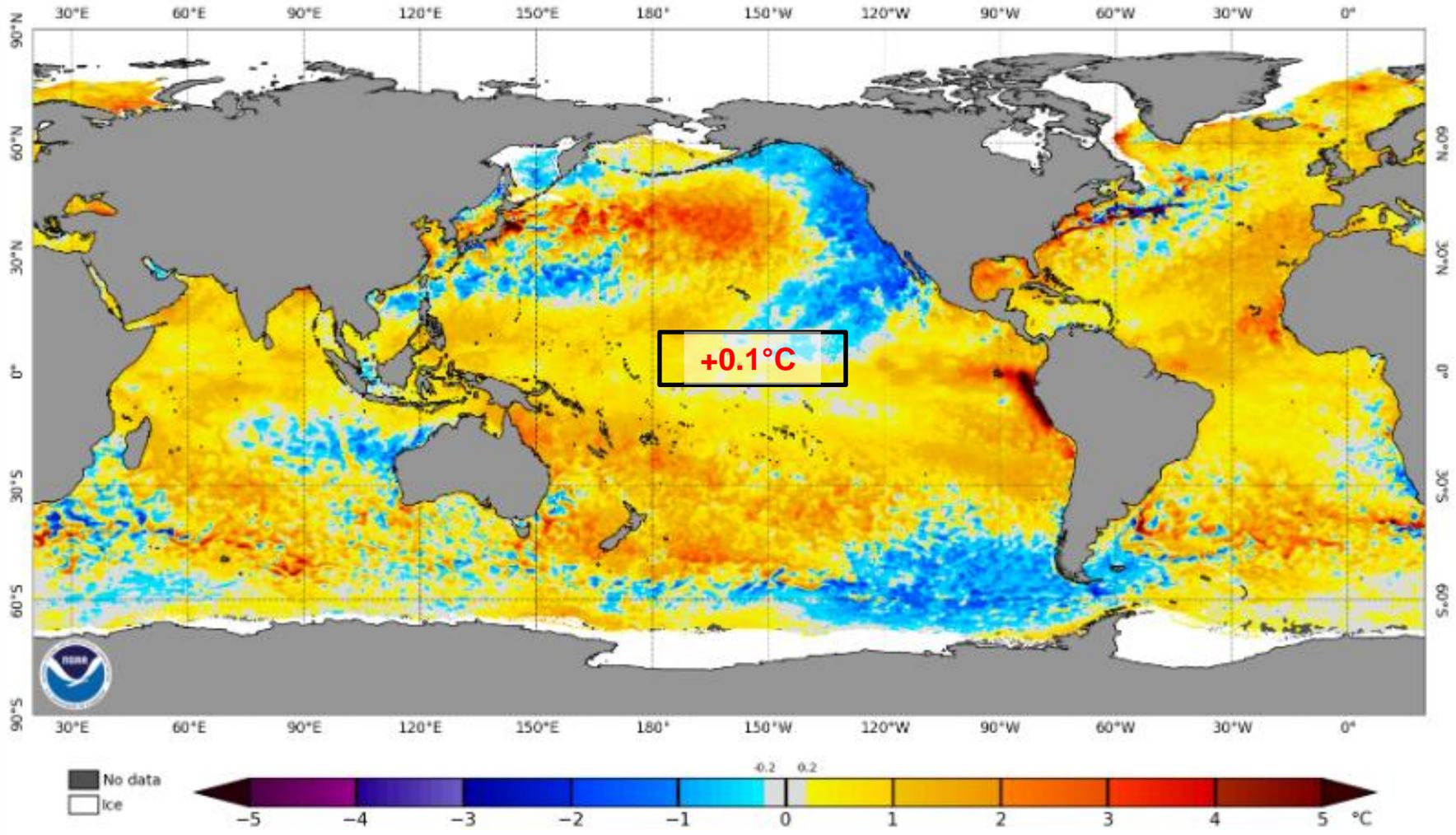
ENSO-neutral conditions are observed.*

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.*

Status Atual: Neutralidade

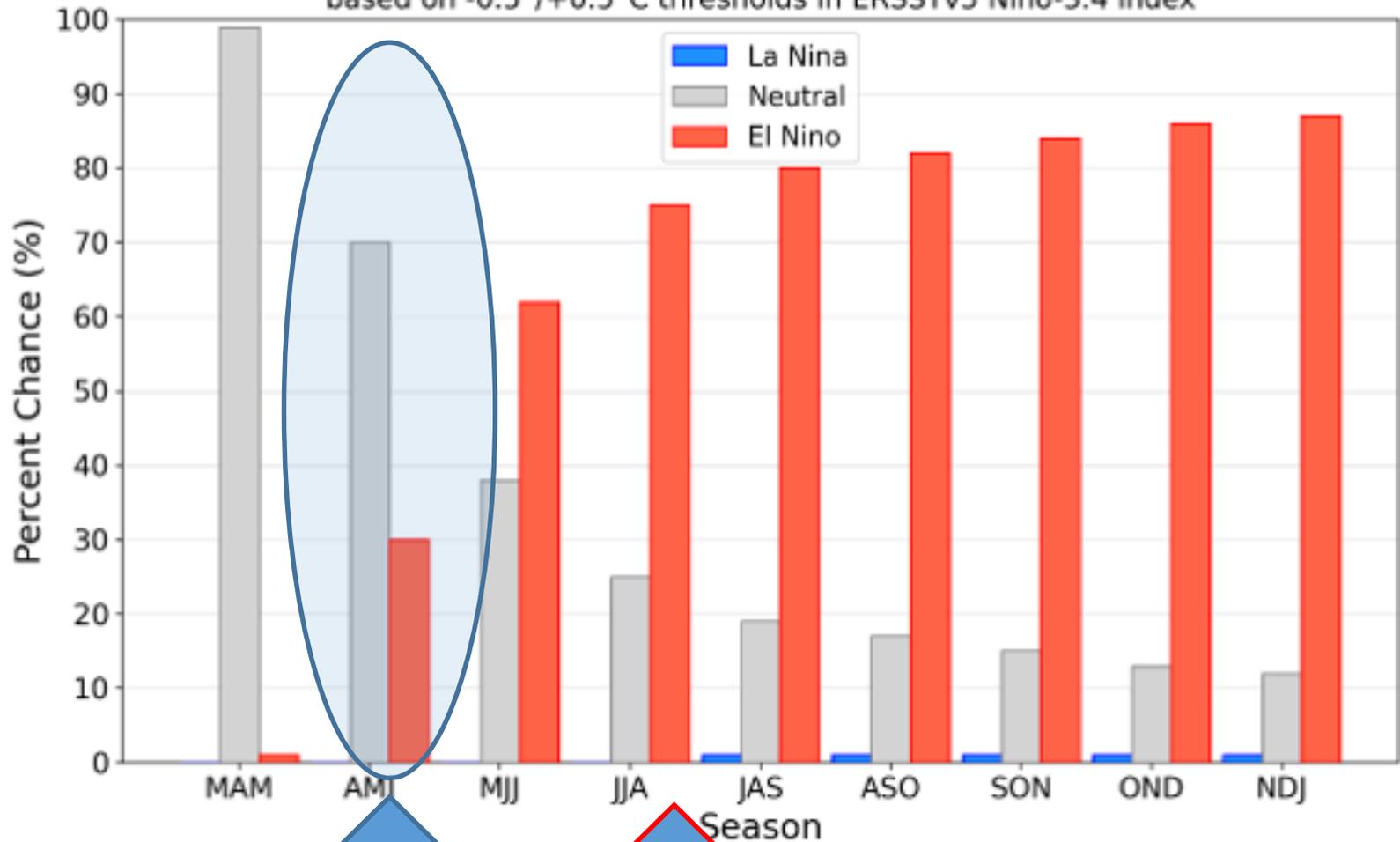
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 16 Apr 2023



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

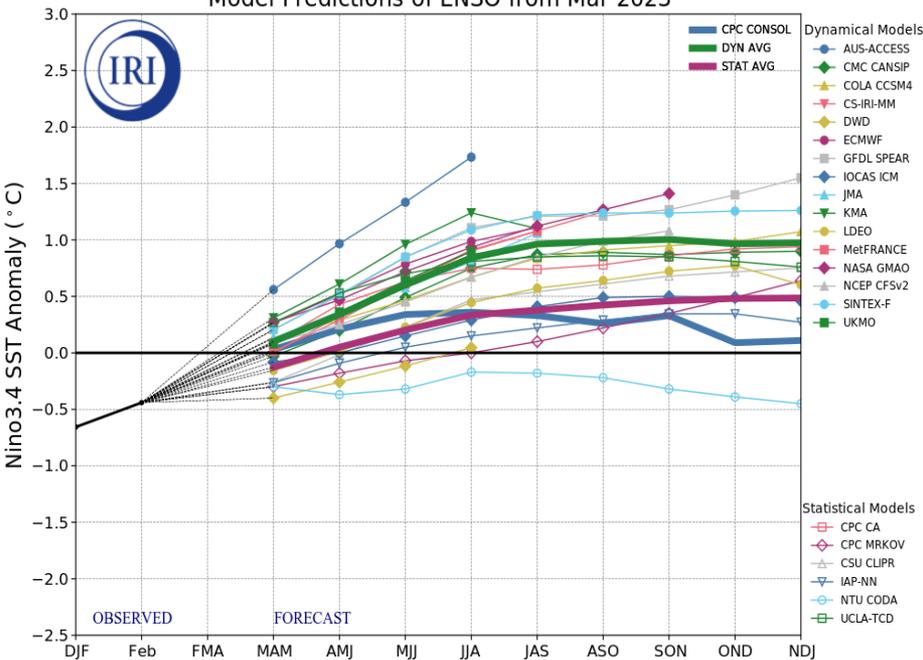


Status Atual: **Neutralidade**

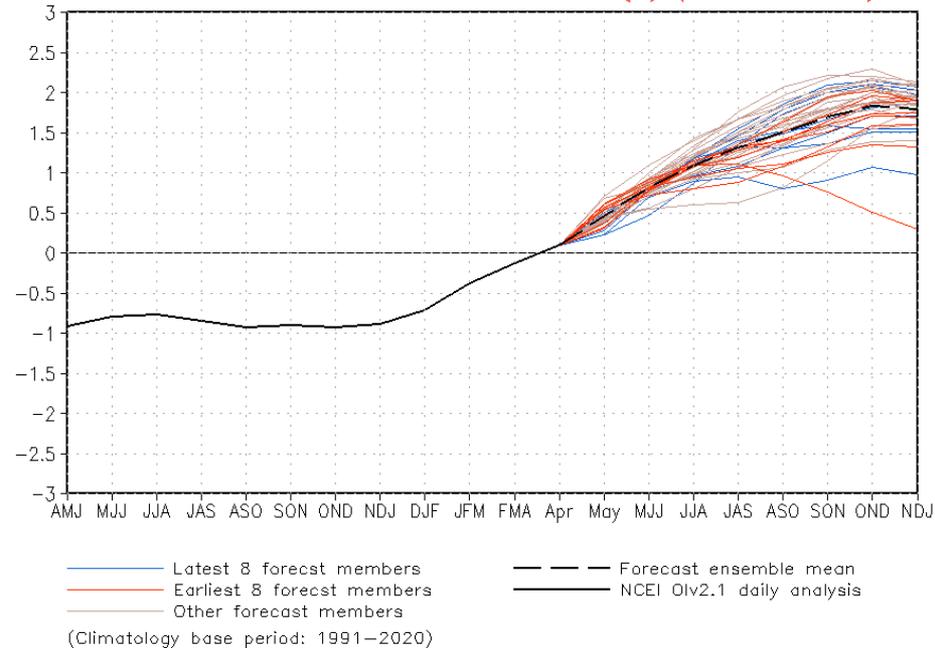
FONTE: NOAA

Previsão do “ENSO”

Model Predictions of ENSO from Mar 2023

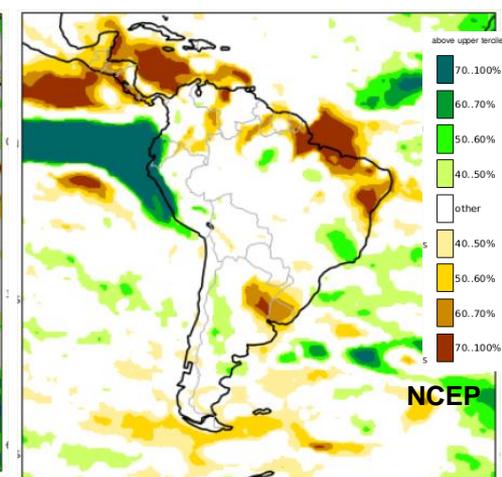
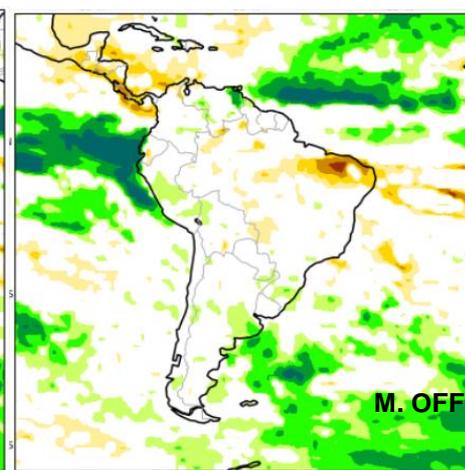
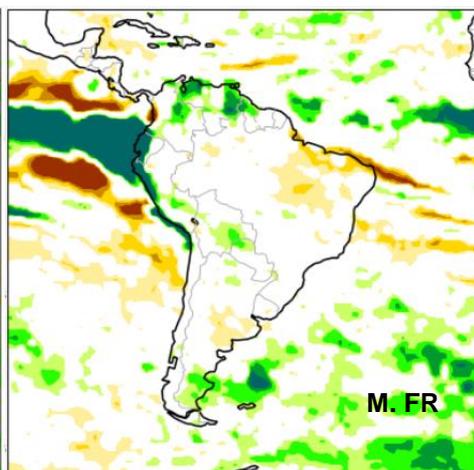
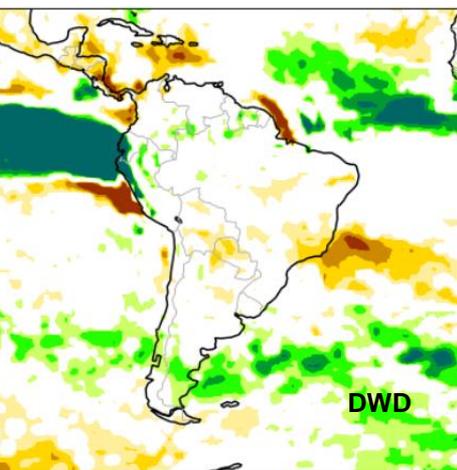
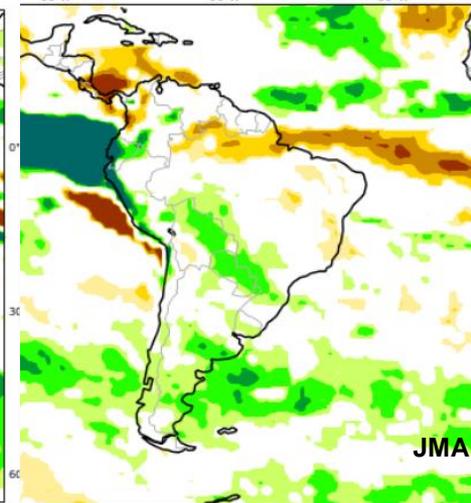
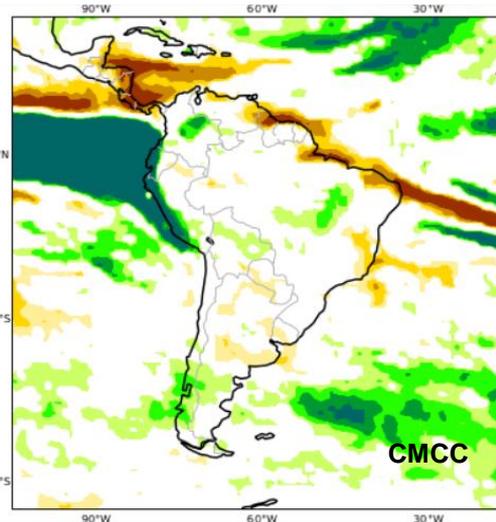
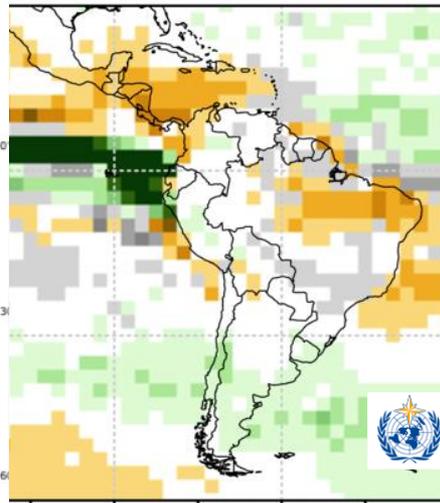
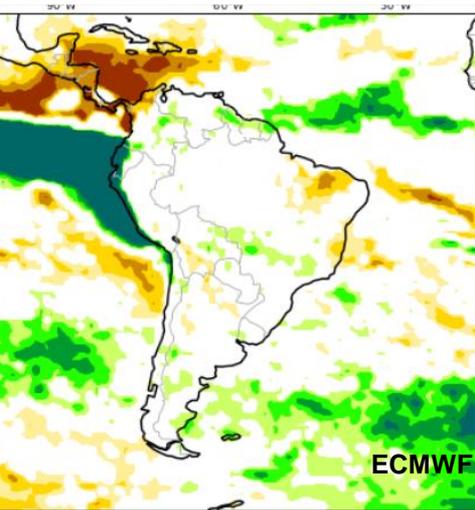


CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



Atualizado: 17 April 2023

Previsão sazonal de Chuva MJJ



Previsão Multi Modelo MJJ

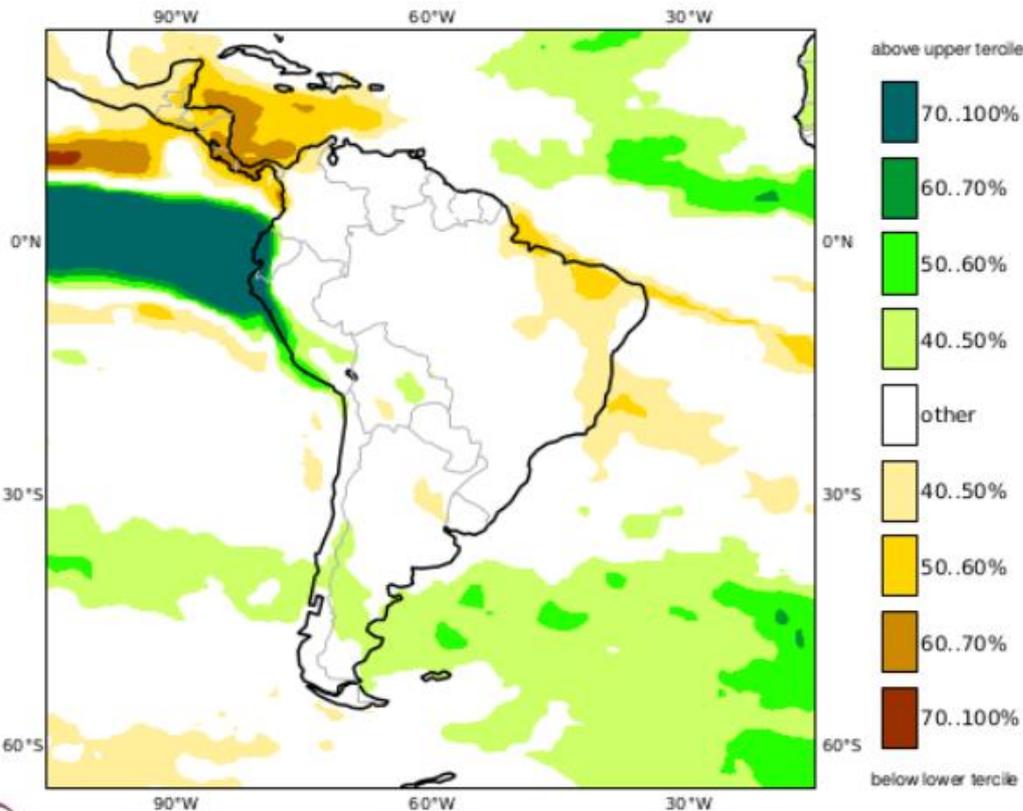
C3S multi-system seasonal forecast

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

