

Monitoramento e Previsões para a Bacia do rio Tocantins

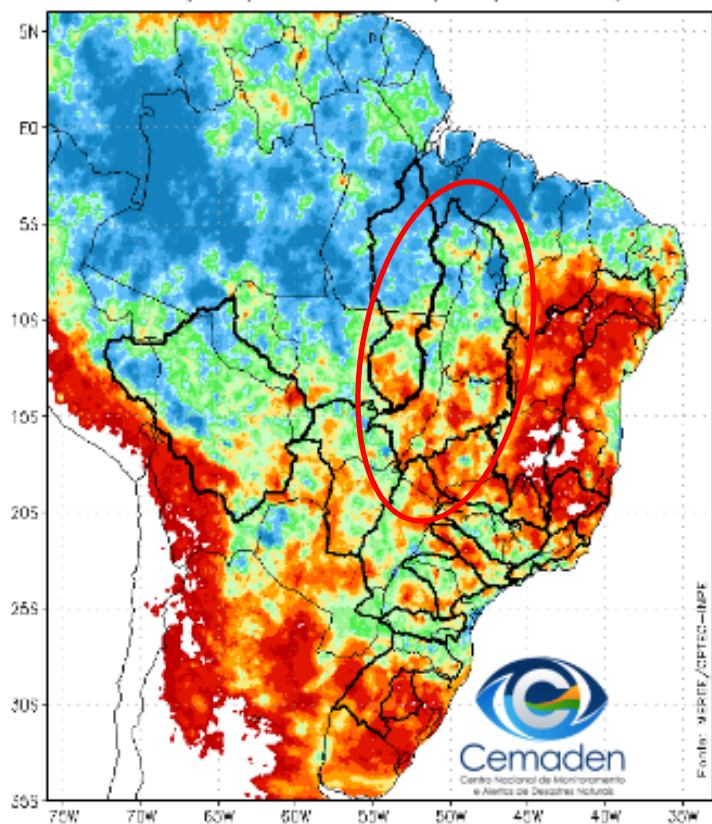


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

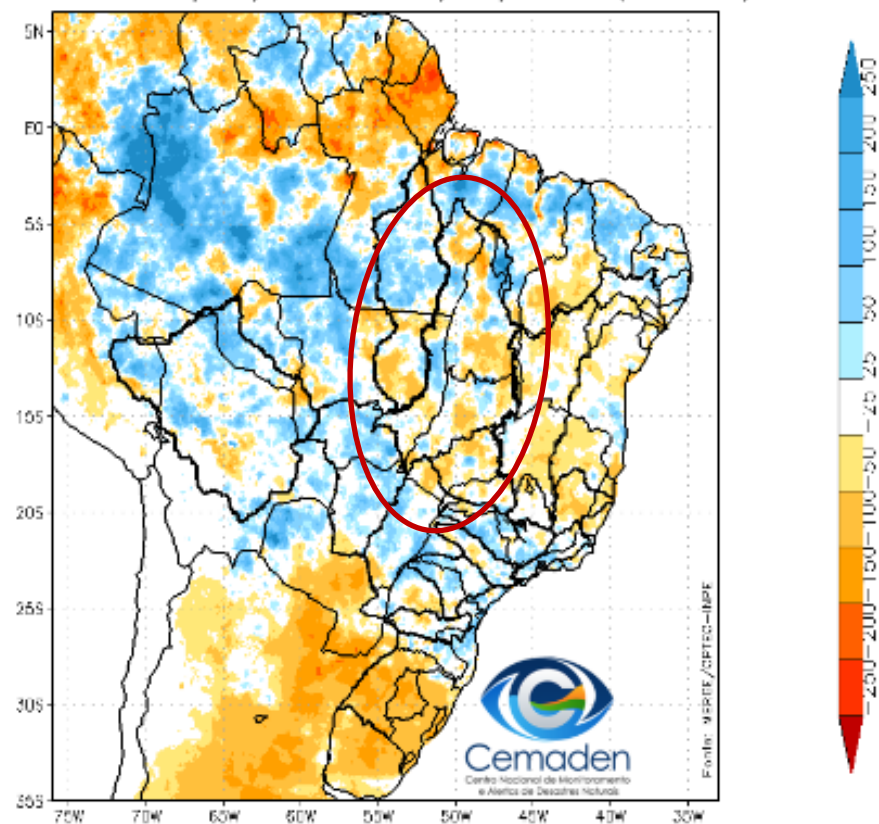
26 de Abril de 2023

Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 26/03/2023 a 25/04/2023 (30 dias)

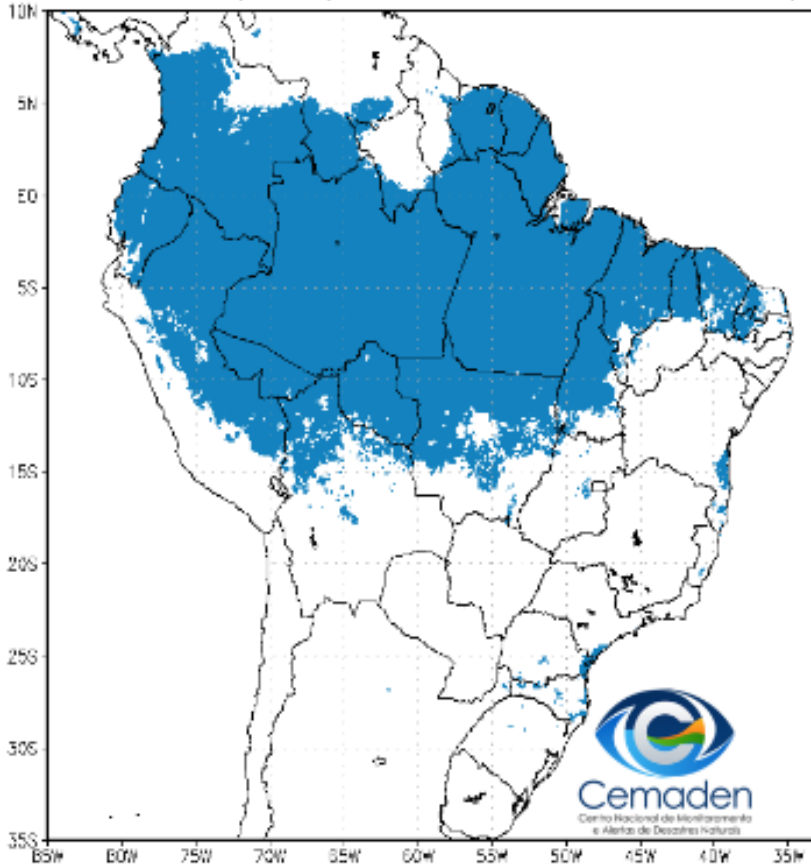


Anomalia de Precipitação (mm) A.S.
Período: 26/03/2023 a 25/04/2023 (30 dias)

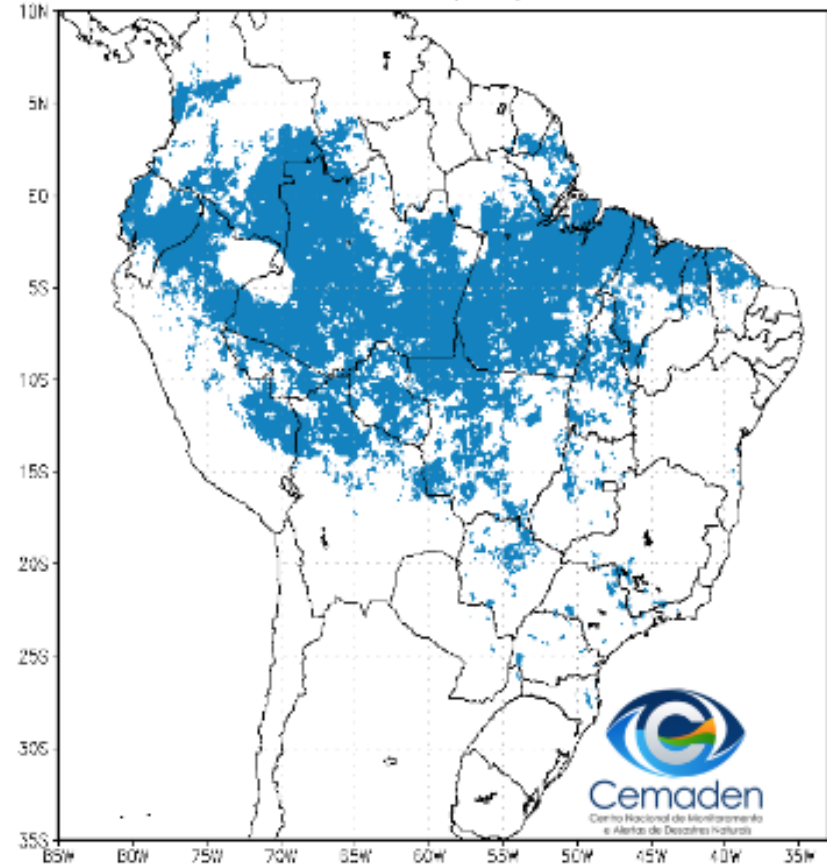


Situação da Estação Chuvosa

Climatologia da Precipitação (2001–2022)
Inferior 2 mm/dia por 4 de 5 dias Período: 25/04

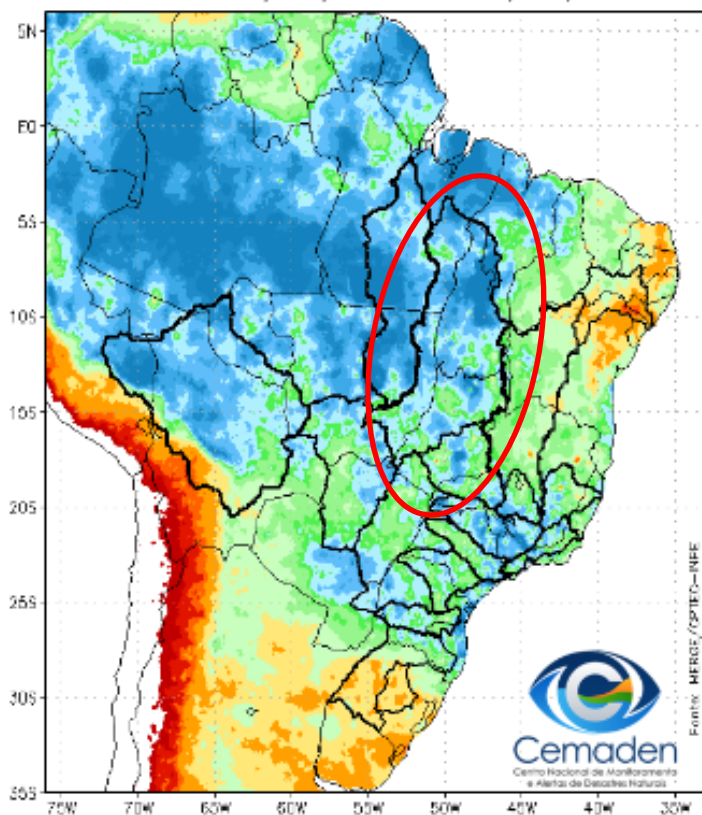


Precipitação Inferior 2 mm/dia por 4 de 5 dias
Período: 25/04/2023

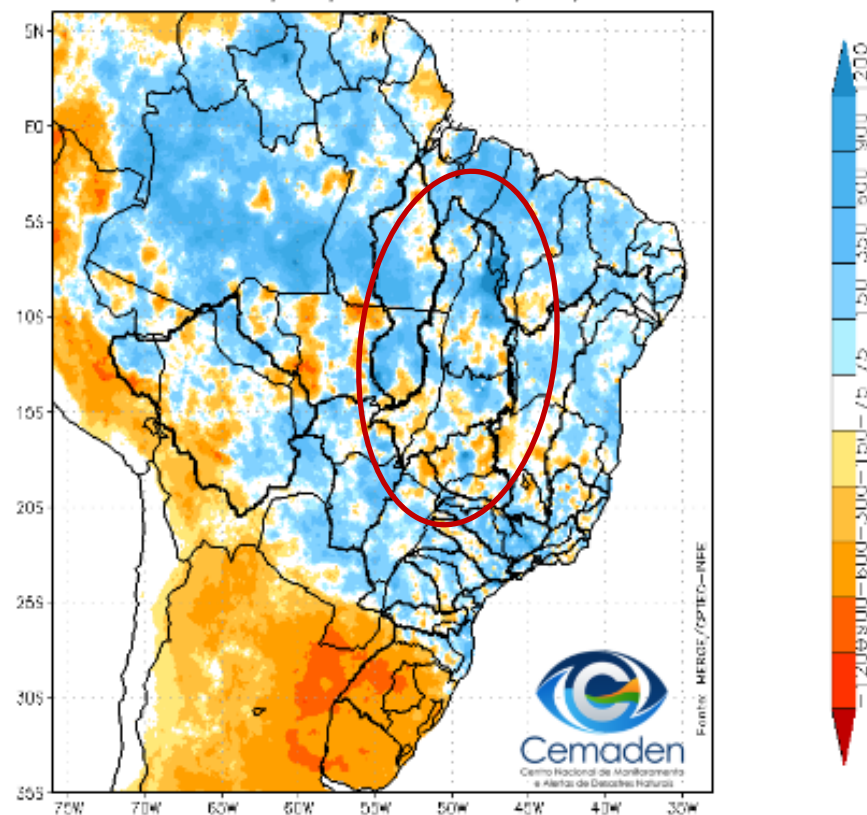


Precipitação acumulada no ano hidrológico

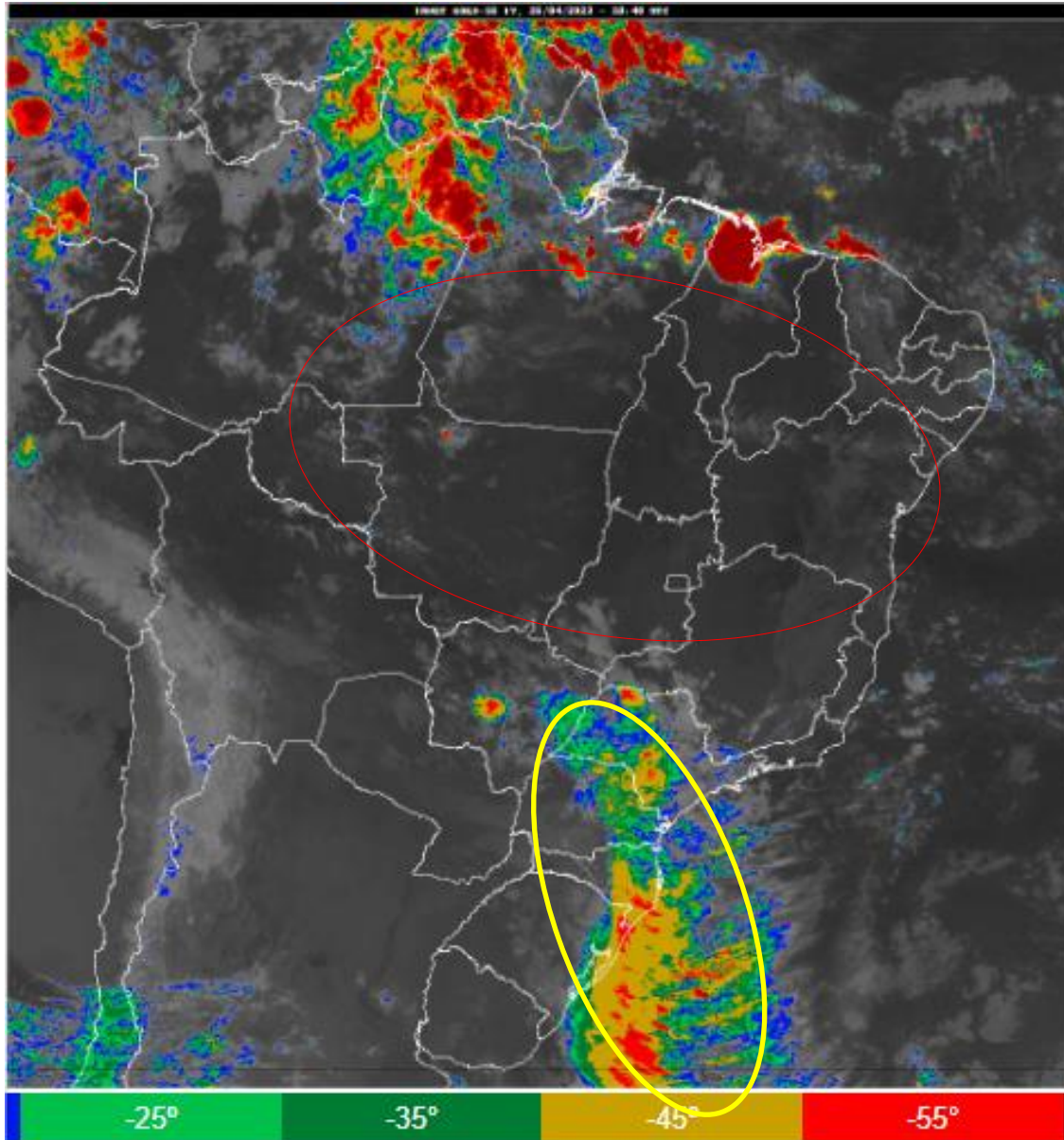
Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2022 a 25/04/2023



Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2022 a 25/04/2023

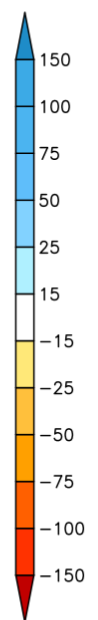
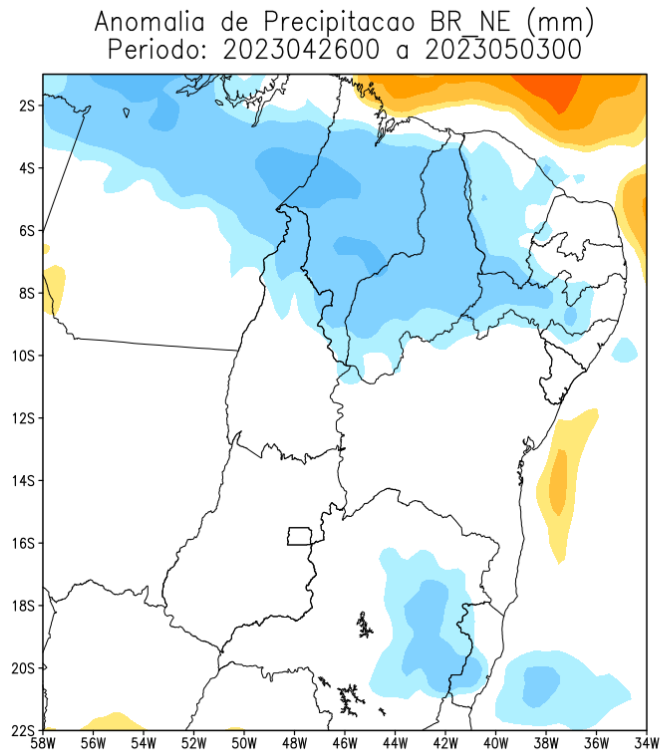
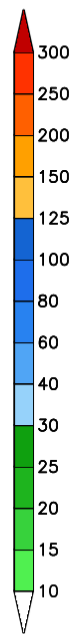
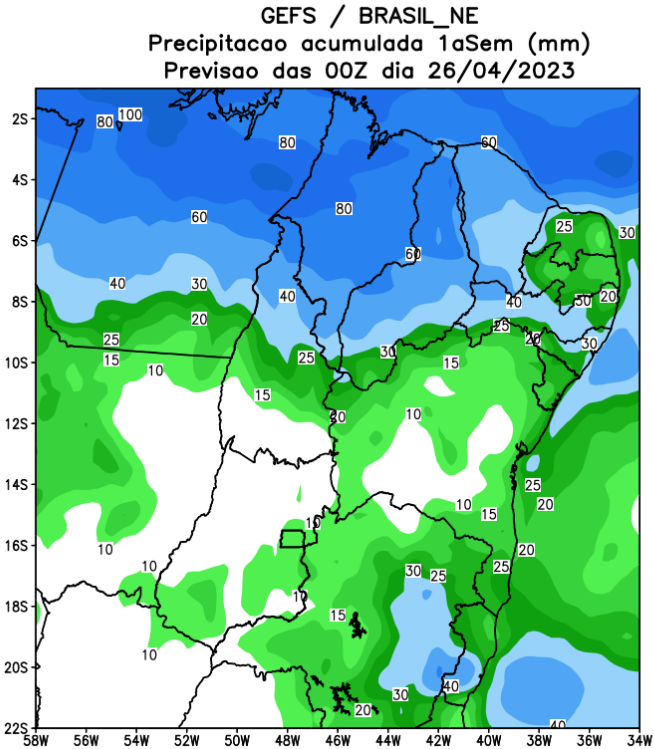


Situação meteorológica atual



Fonte: INMET

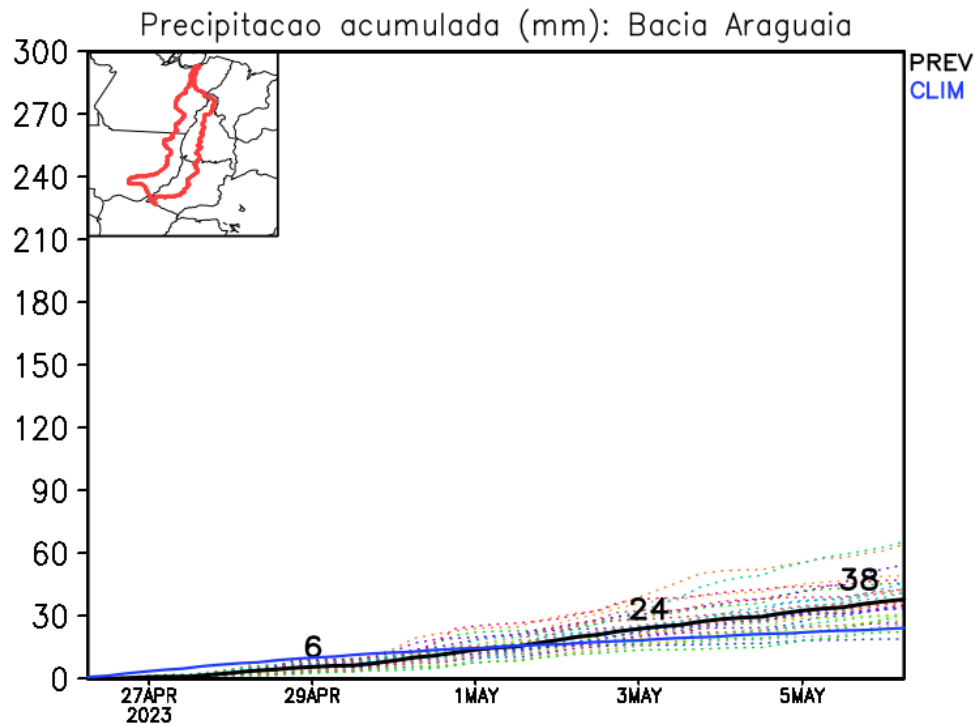
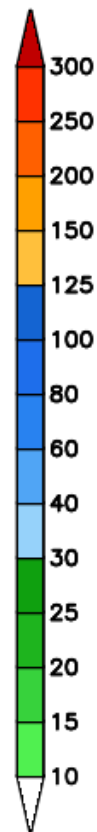
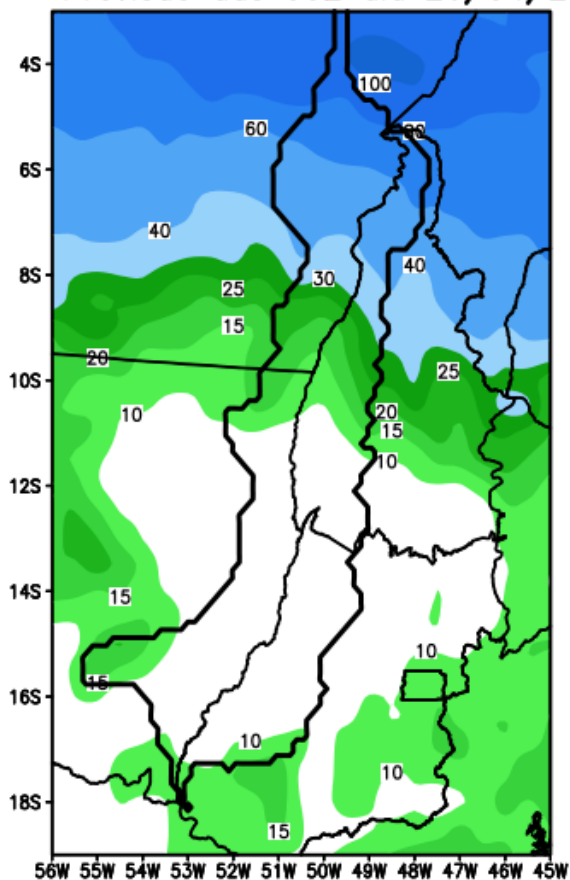
Previsão de chuva próximos 7 dias



Fonte: GFS/NOAA

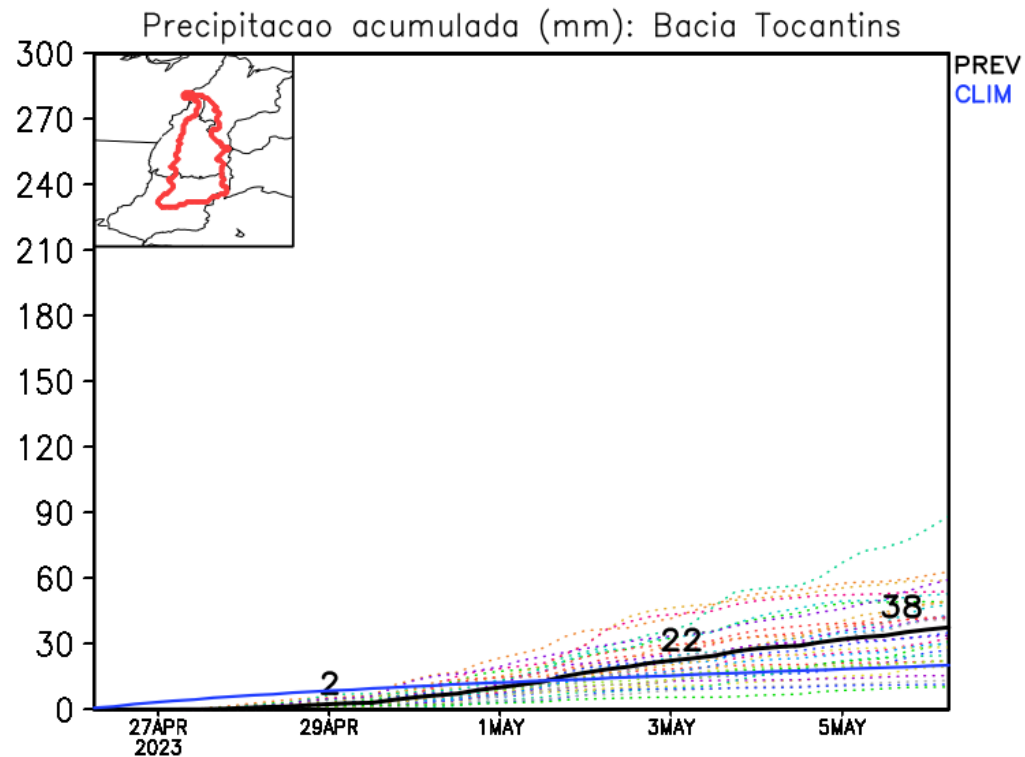
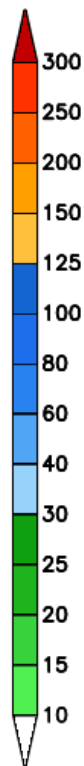
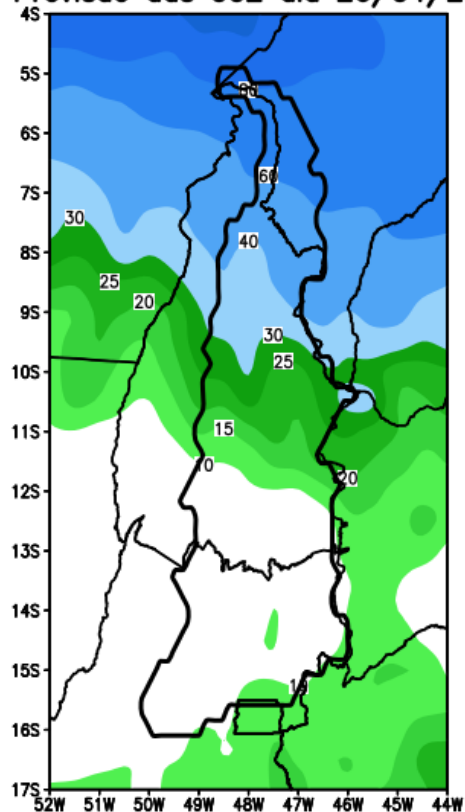
Previsão Bacia Rio Tocantins

GEFS / Bacia do Rio Araguaia
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 26/04/2023



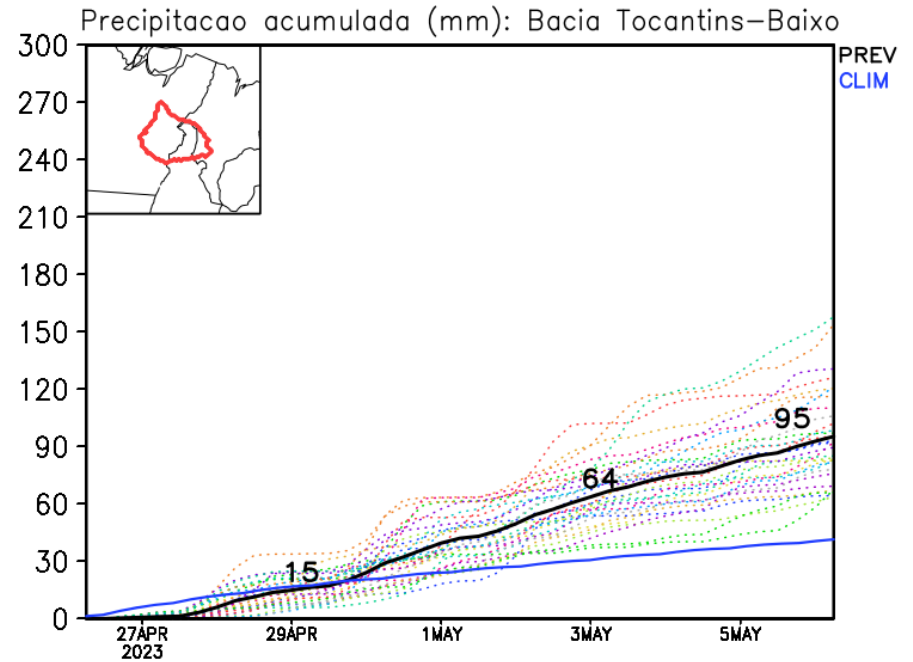
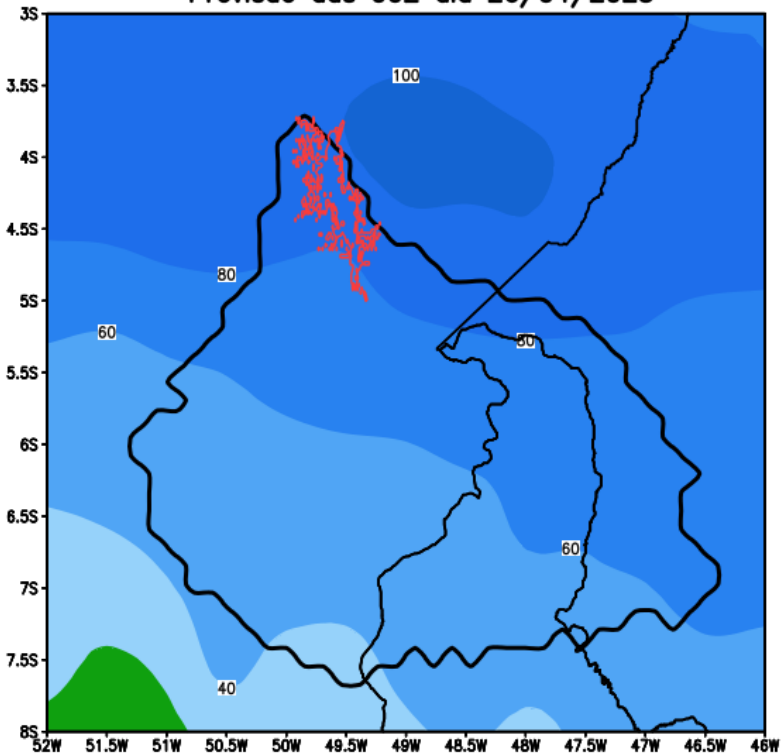
Previsão Bacia Rio Araguaia

GEFS / Bacia Tocantins
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 26/04/2023



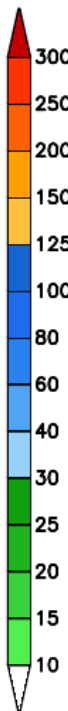
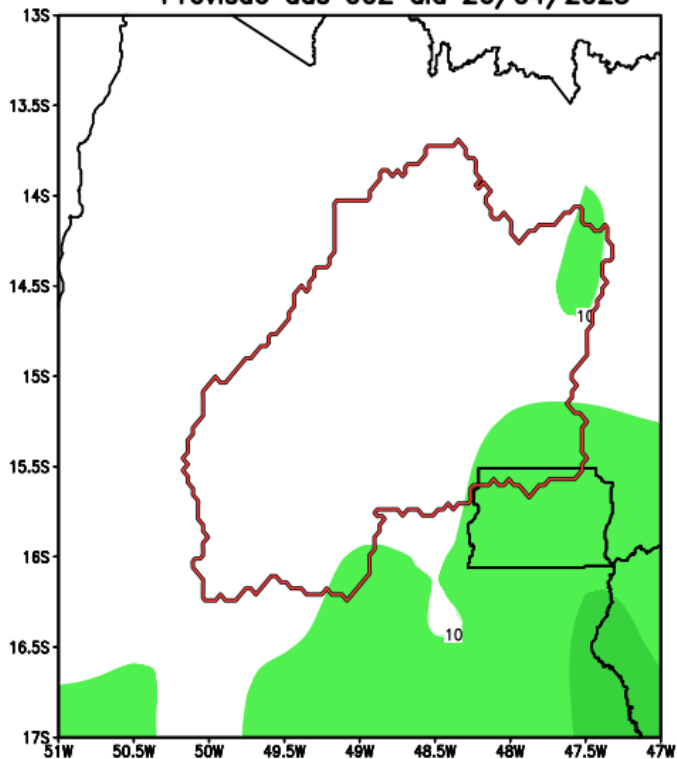
Previsão Bacia Tocantins (Baixo)

GEFS / Bacia Baixo Tocantins
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 26/04/2023

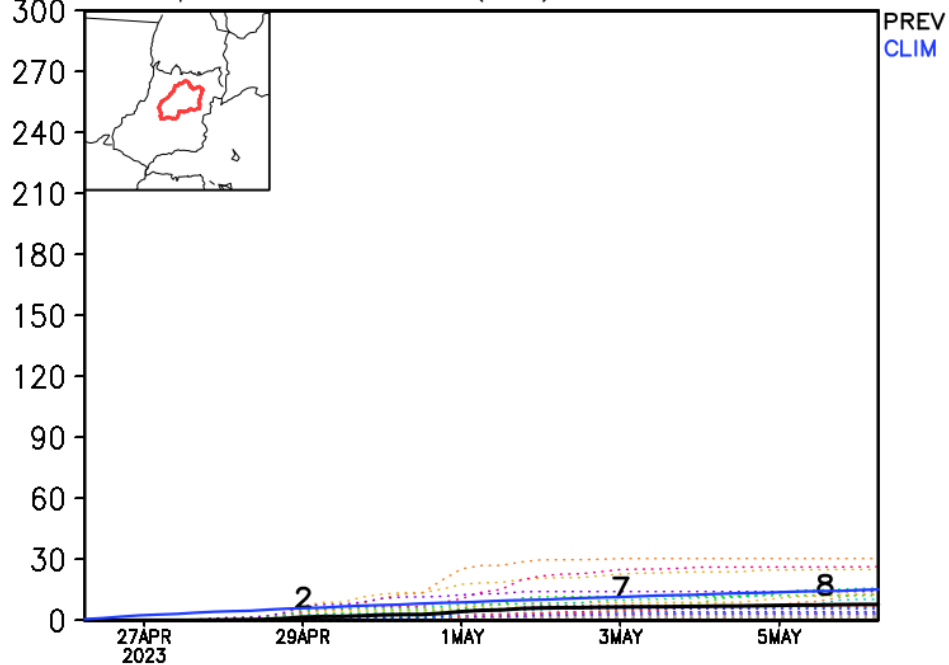


Previsão Bacia Serra da Mesa

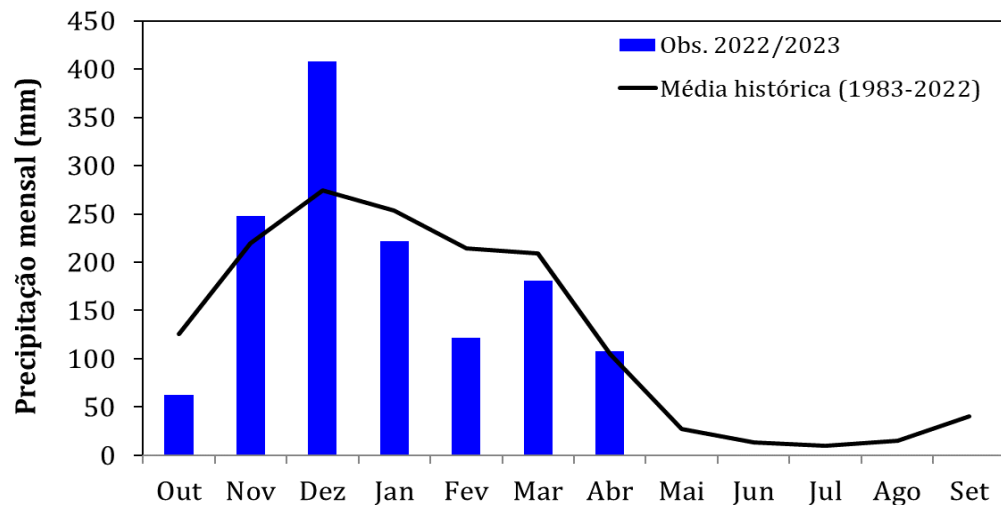
GEFS / Bacia Serra da Mesa
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 26/04/2023



Precipitacao acumulada (mm): Bacia SerradaMesa



Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1402 mm

2021/2022: 1473 mm (**105% da média histórica**)

2022/2023*: 1351 mm (**96% da média histórica**)

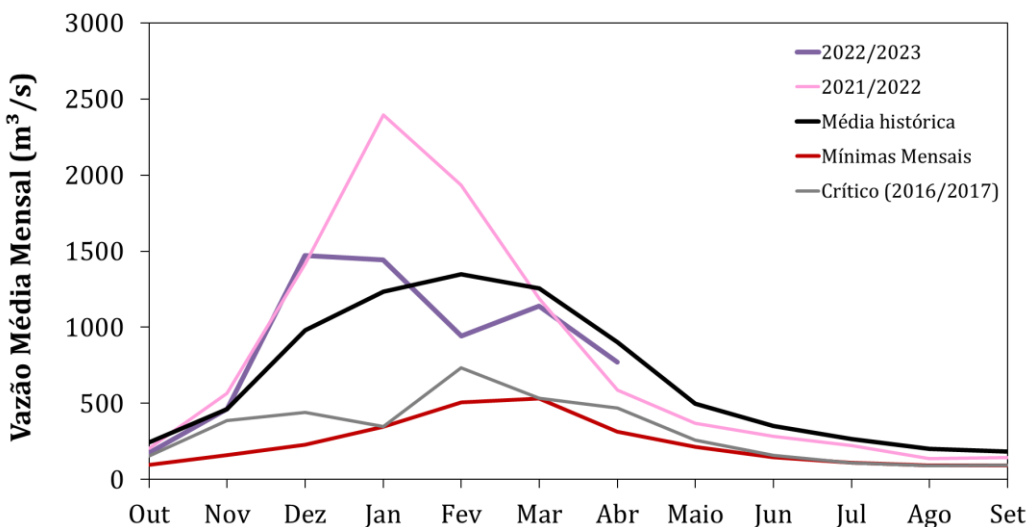
Estação Seca - Maio a Set – 106 mm

2021: 28 mm (**26% da média histórica**)

2022: 54 mm (**51% da média histórica**)

Abr/2023*: 108 mm (**103% da média histórica; e 125% da média histórica PARCIAL**)

*Até 24/04/2023



Vazão

Estação Chuvosa - Out a Abr – 918 m³/s

2021/2022: 1184 m³/s (**129% da MLT**)

2022/2023*: 915 m³/s (**100% da MLT**)

Estação Seca - Maio a Set – 300 m³/s

2021: 203 m³/s (**68% da MLT**)

2022: 231 m³/s (**77% da MLT**)

Abr/2023*: 771 m³/s (**85% da MLT**)

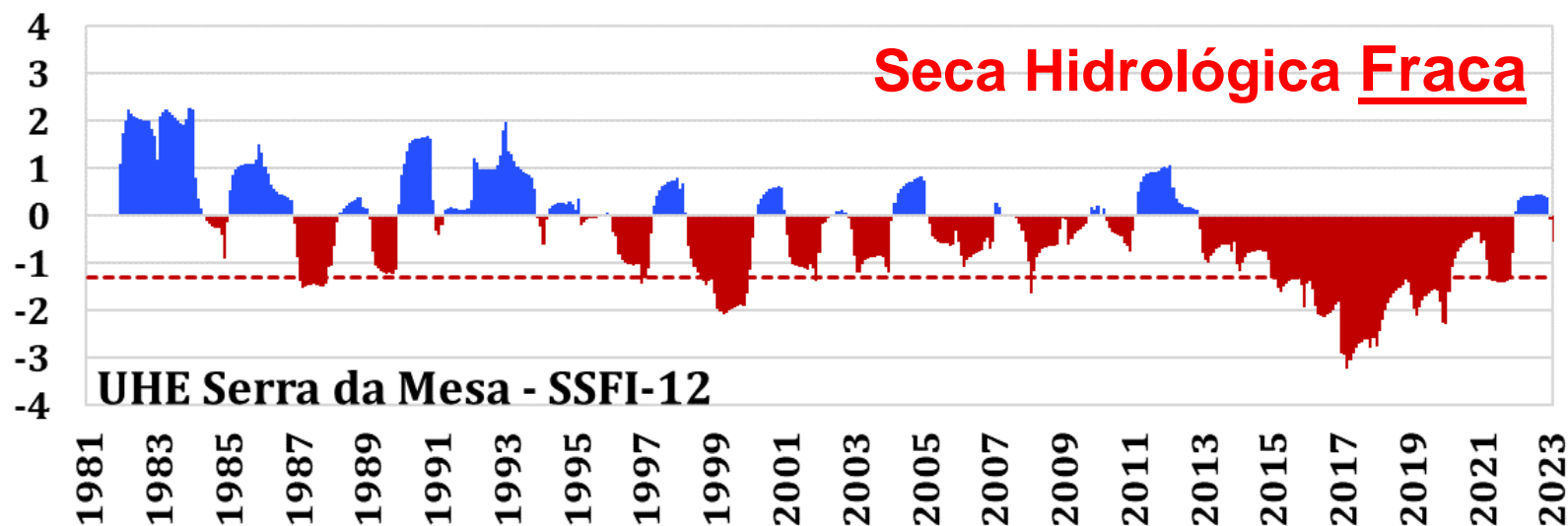
24/Abri/2023: 697 m³/s (MLT = 903 m³/s)

*Até 24/04/2023

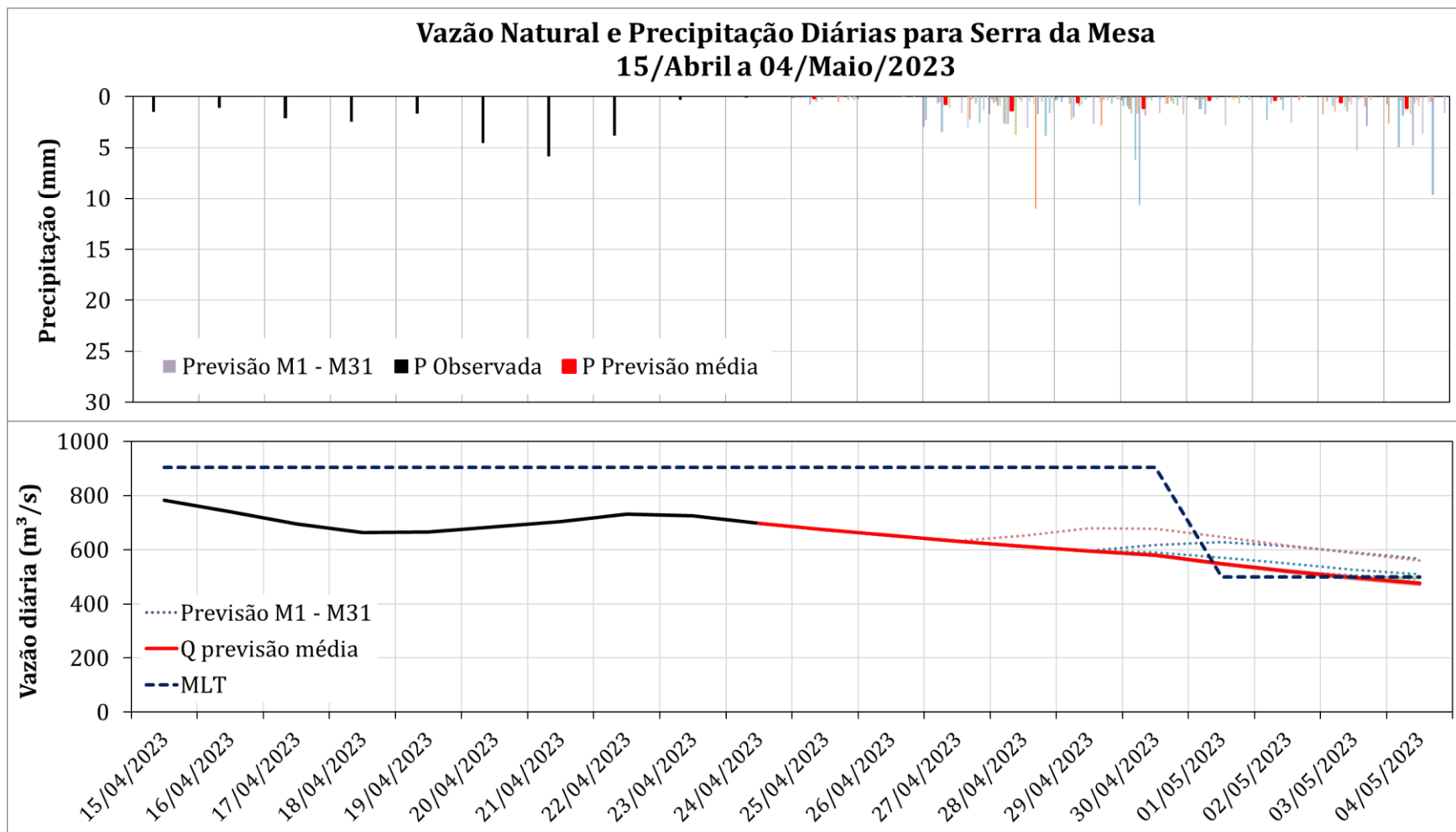
Monitoramento

UHE Serra da Mesa

Índice Padronizado de Vazão (SSFI)



Serra da Mesa: Previsão de Vazão (modelo hidrológico PDM-CEMADEN)



Dados **observados de precipitação** (barras pretas) para o período 15 a 24/04/23 e **previsão** para o período de 25/04 a 04/05/23.
Dados **observados de vazão** (linha preta) para o período 15 a 24/04/23 e **previsão** para o período de 25/04 a 04/05/23.

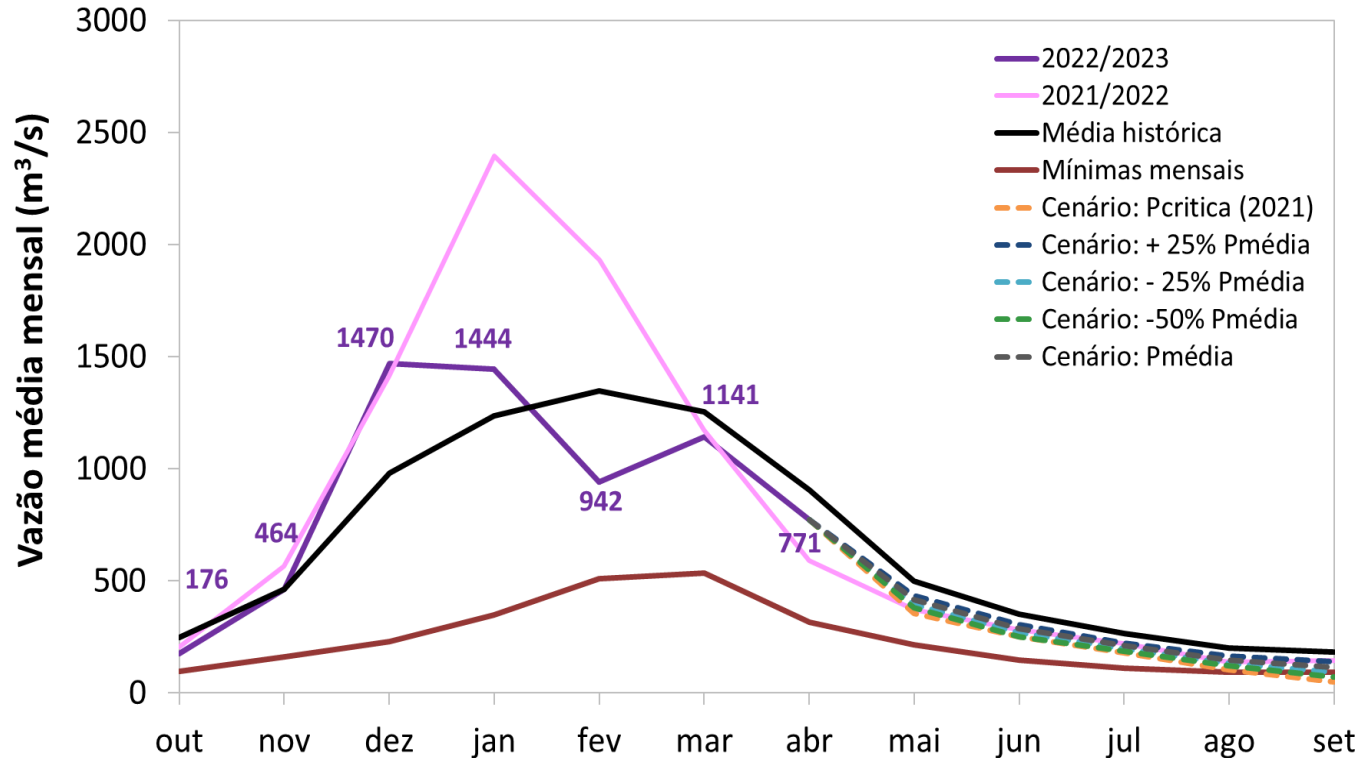
As barras coloridas correspondem às previsões da chuva para os 31 membros GEFS/NOAA e à média destes membros.

As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 579 m³/s

Serra da Mesa: Projeção de Vazão (modelo hidrológico PDM-CEMADEN)

Histórico e simulação de vazão natural média mensal
Previsão: 25/ Abr a 04/Maio - Projeções: 05/Maio a 30/Set/23



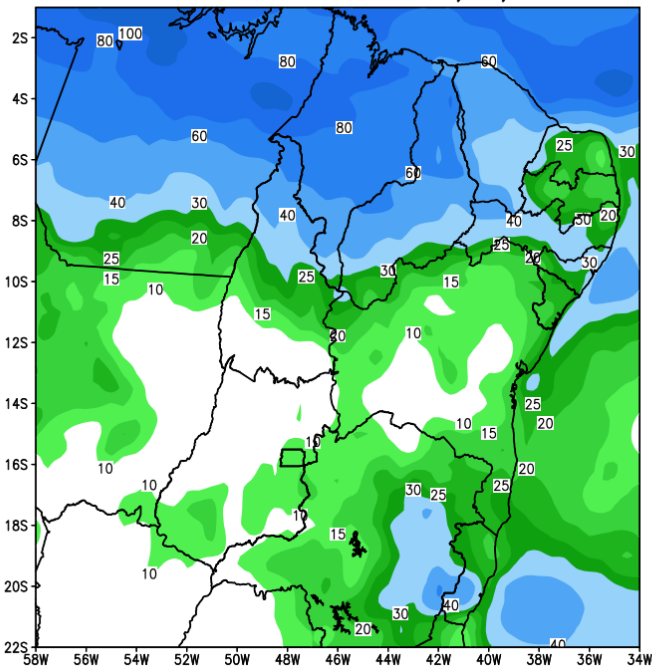
Maio a Setembro
MLT: 300 m³/s

Maio a Set/2022 = 232 m³/s (77% da MLT)

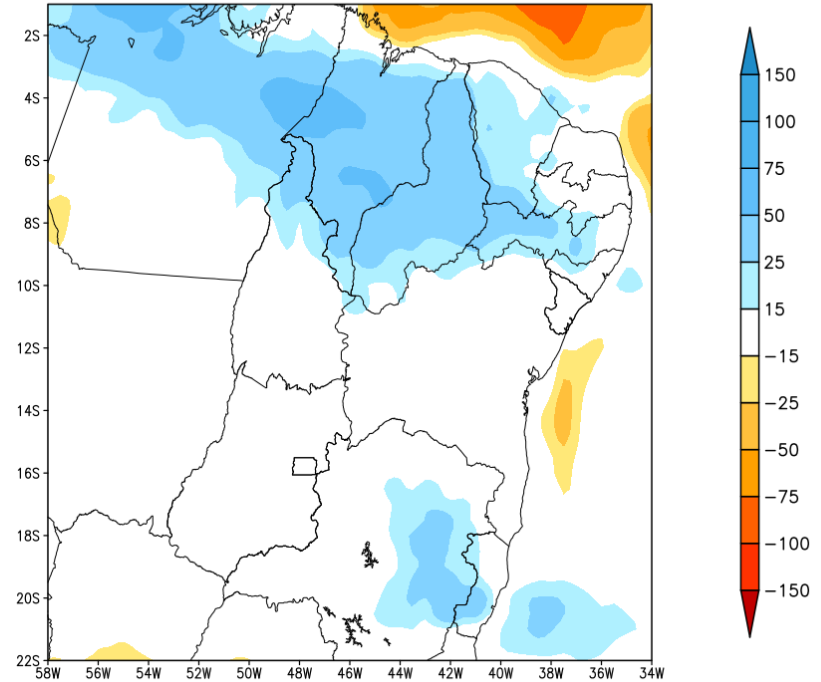
Vazão	% MLT
253 m³/s	84%
235 m³/s	78%
217 m³/s	72%
186 m³/s	62%

Tendência para a 2a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 26/04/2023



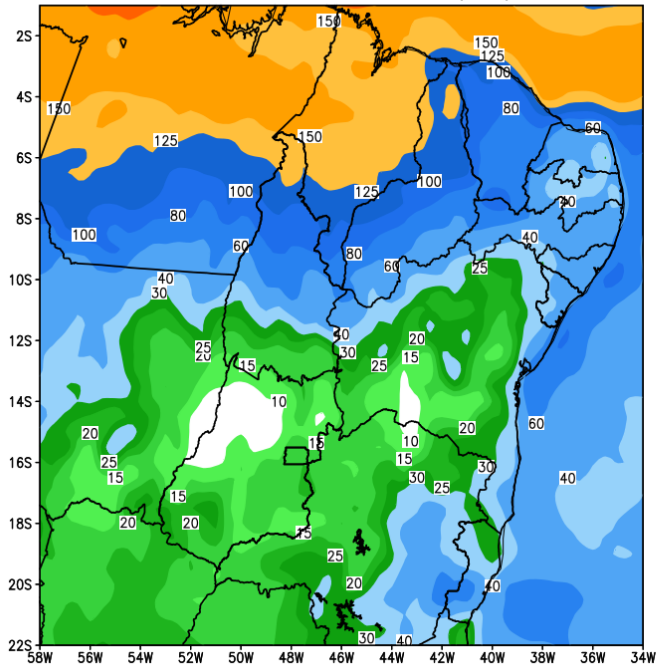
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023042600 a 2023050300



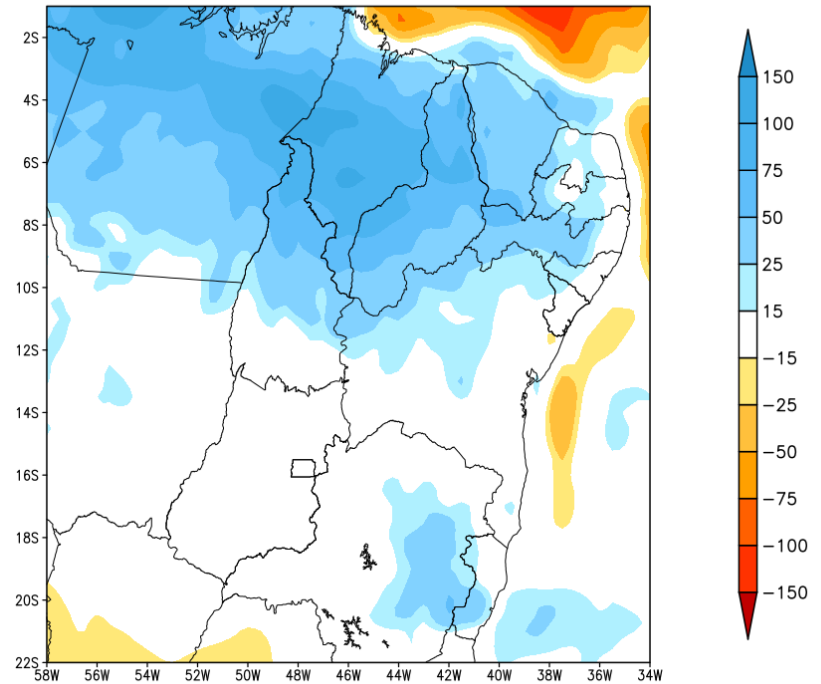
Tendência para as próximas duas semanas

GEFS / BRASIL_NE

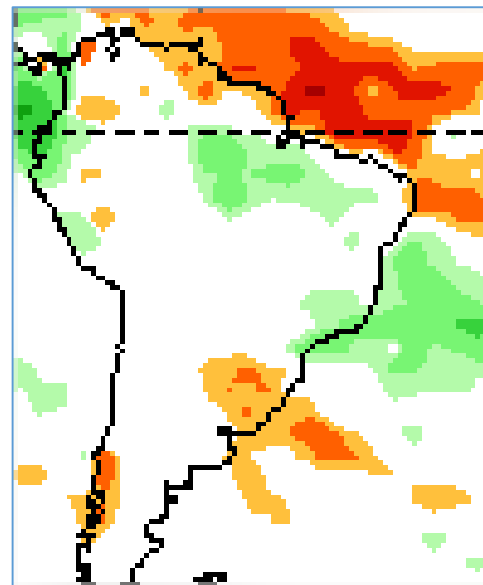
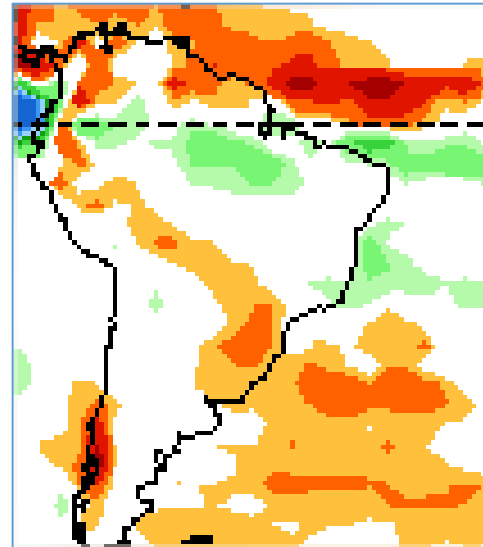
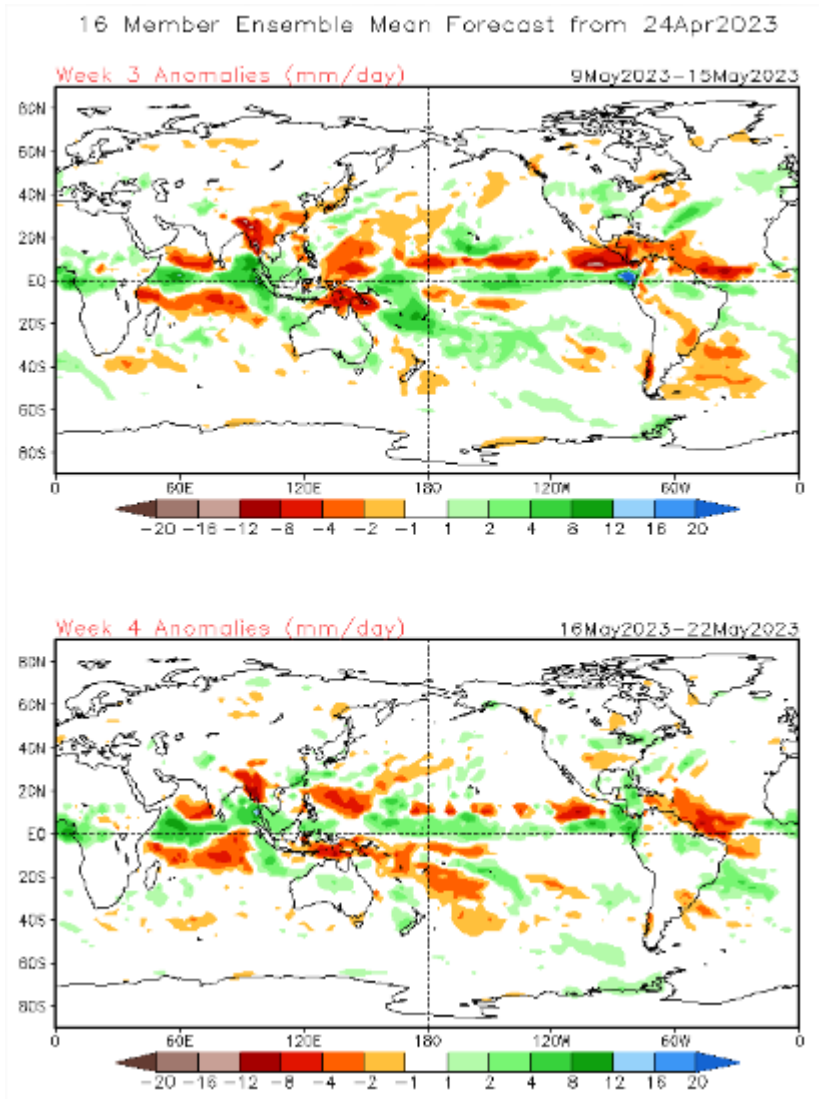
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 26/04/2023



Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023042600 a 2023051000

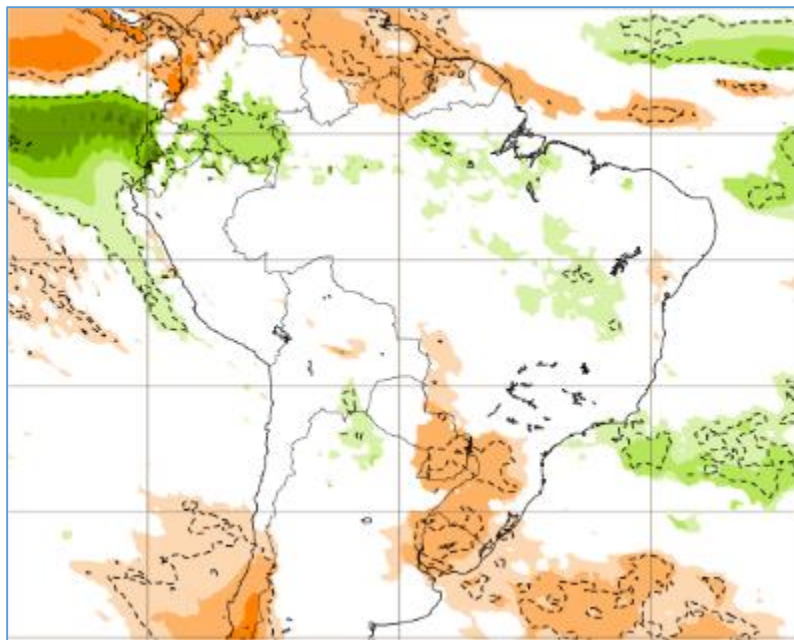


Tendência 3a e 4a semanas

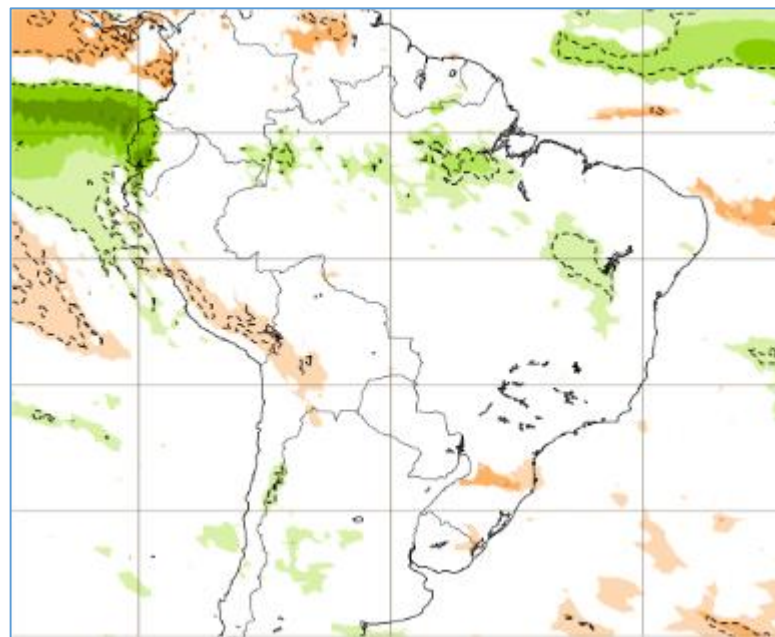


Tendência para 3ª e 4ª semanas

08-15/05



15-22/05





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

Summary

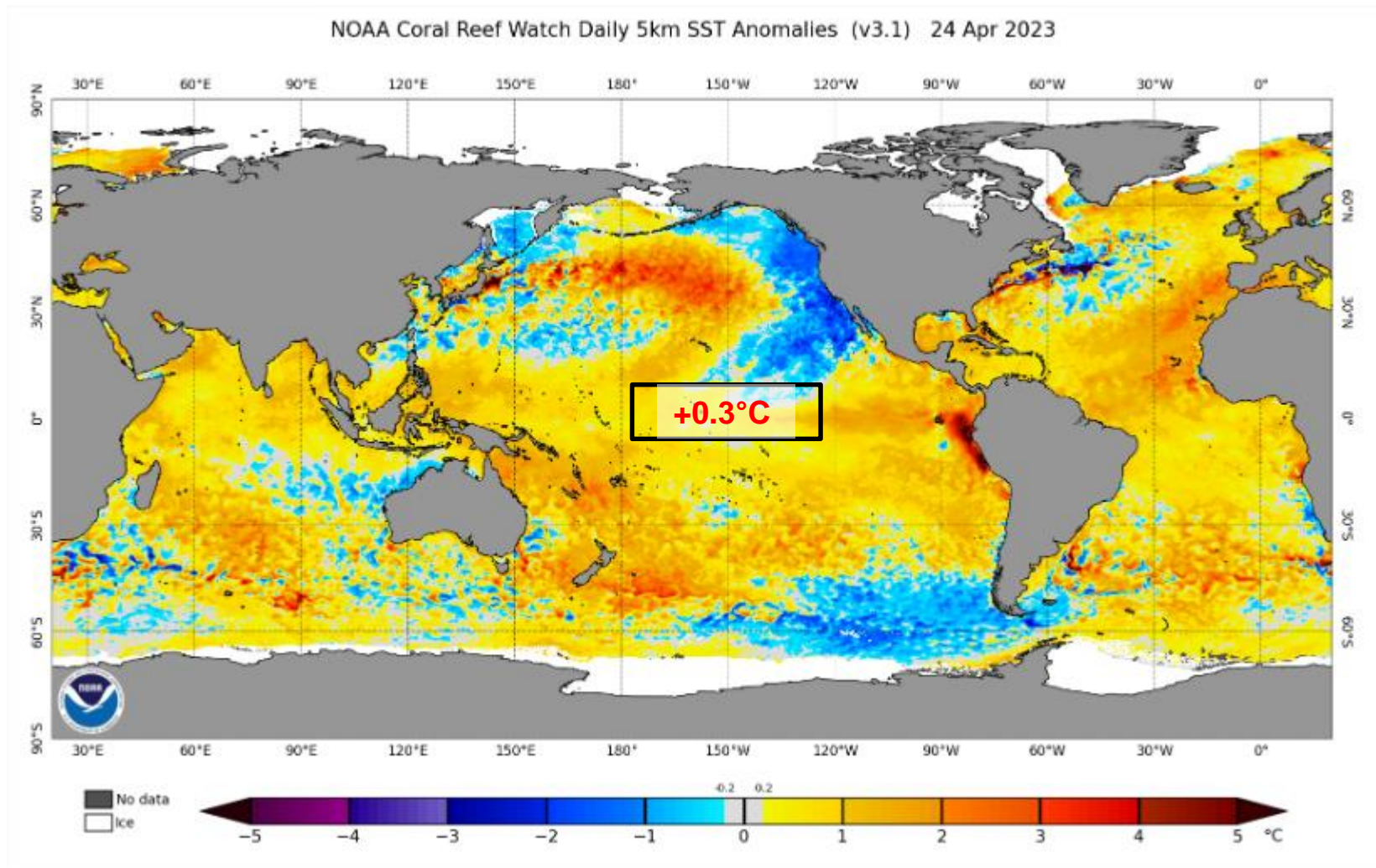
ENSO Alert System Status: **El Niño Watch**

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.*

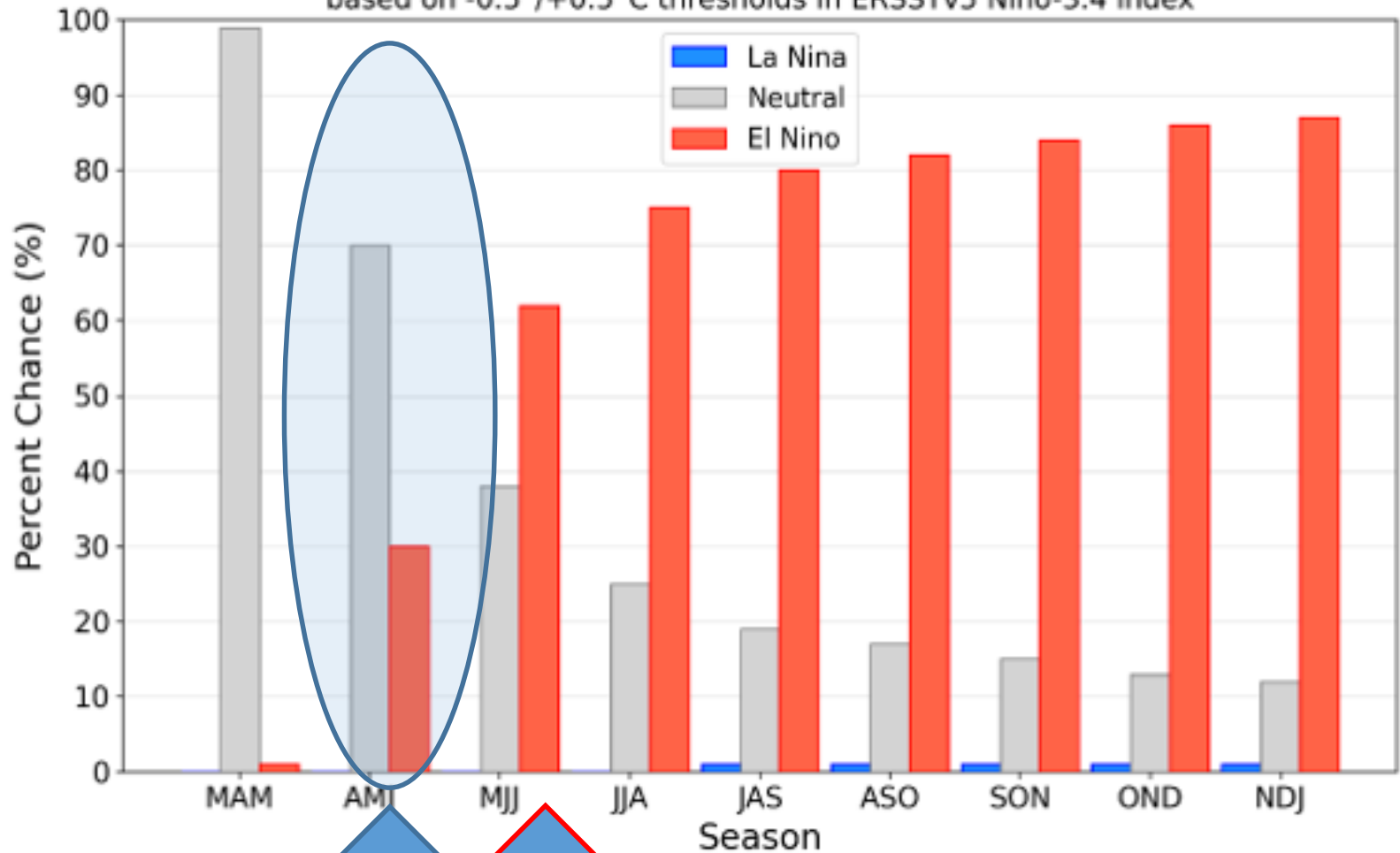
Status Atual: Neutralidade



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued Apr. 2023)

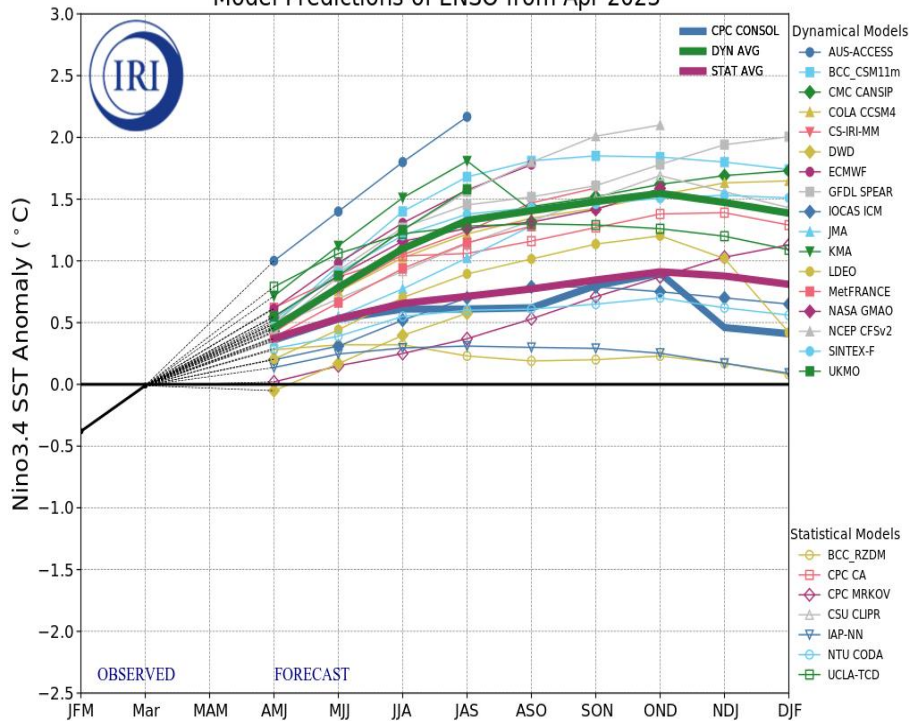
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



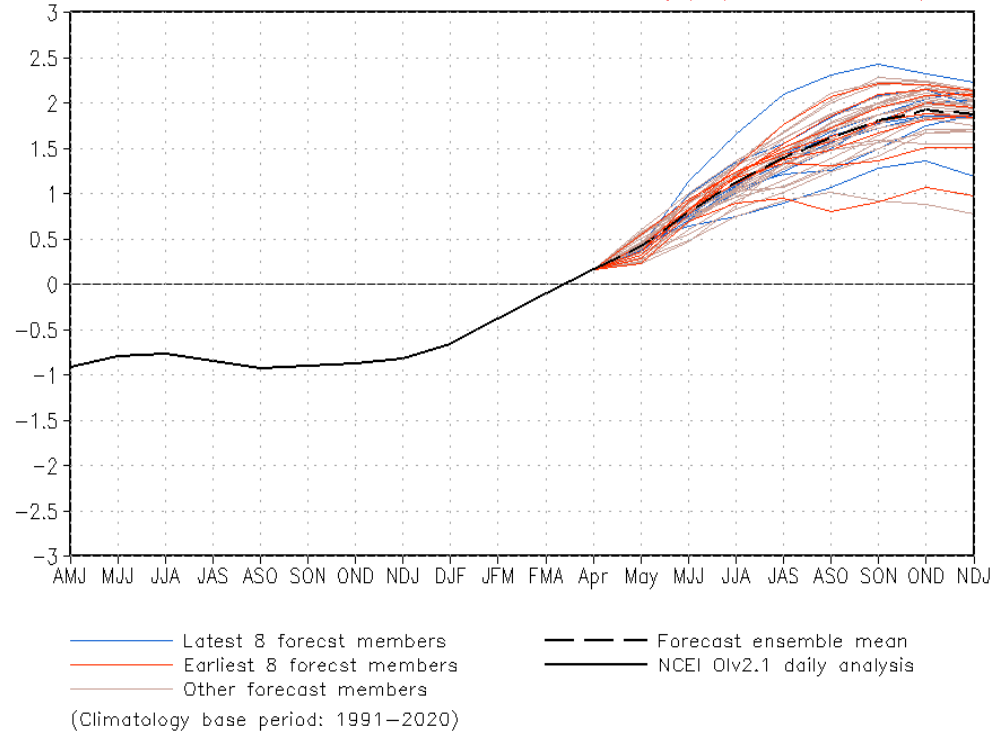
Status Atual: **Neutralidade**

Previsão do “ENSO”

Model Predictions of ENSO from Apr 2023

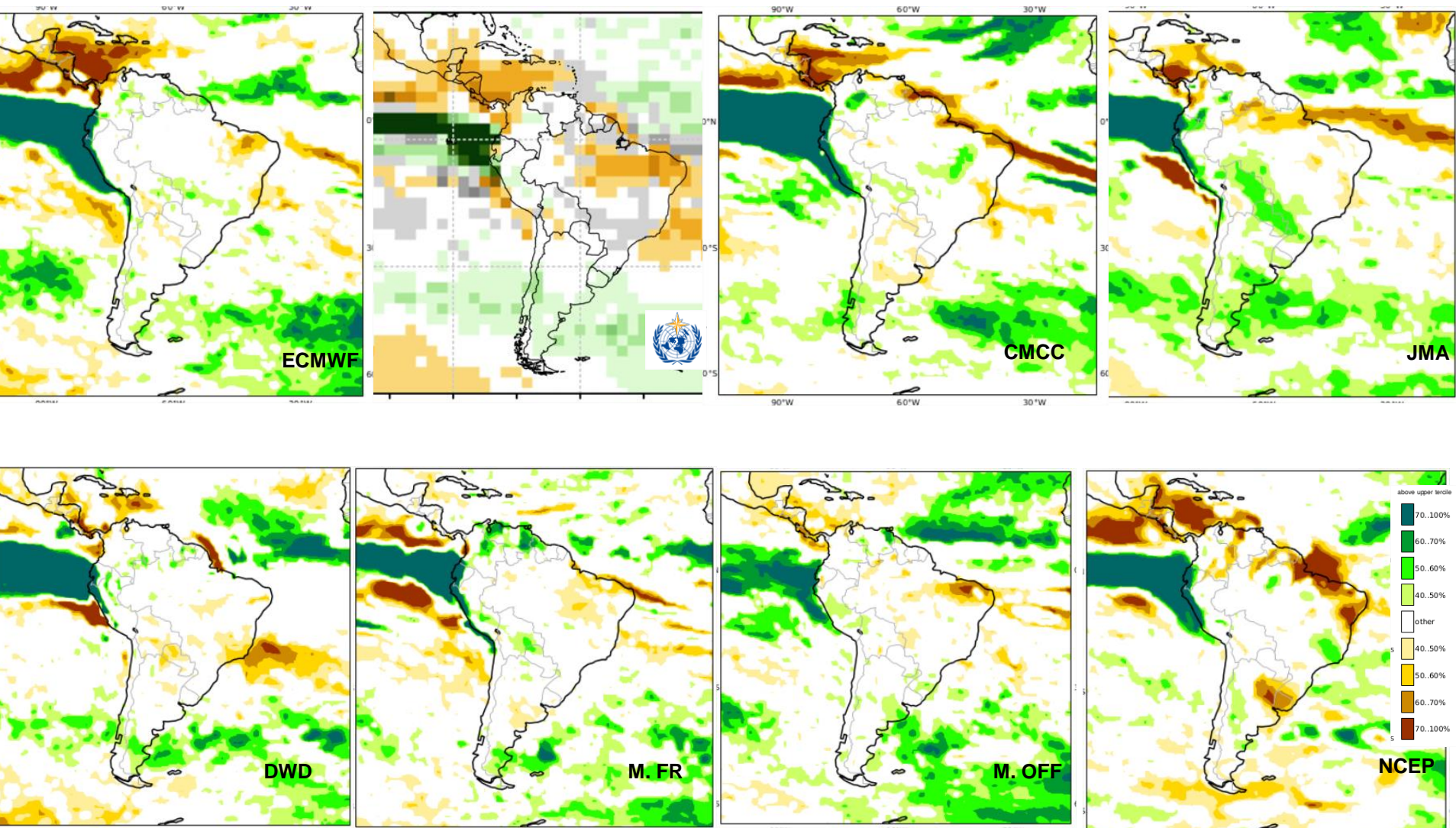


CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



Atualizado: 23 April 2023

Previsão sazonal de Chuva MJJ



Previsão Multi Modelo MJJ

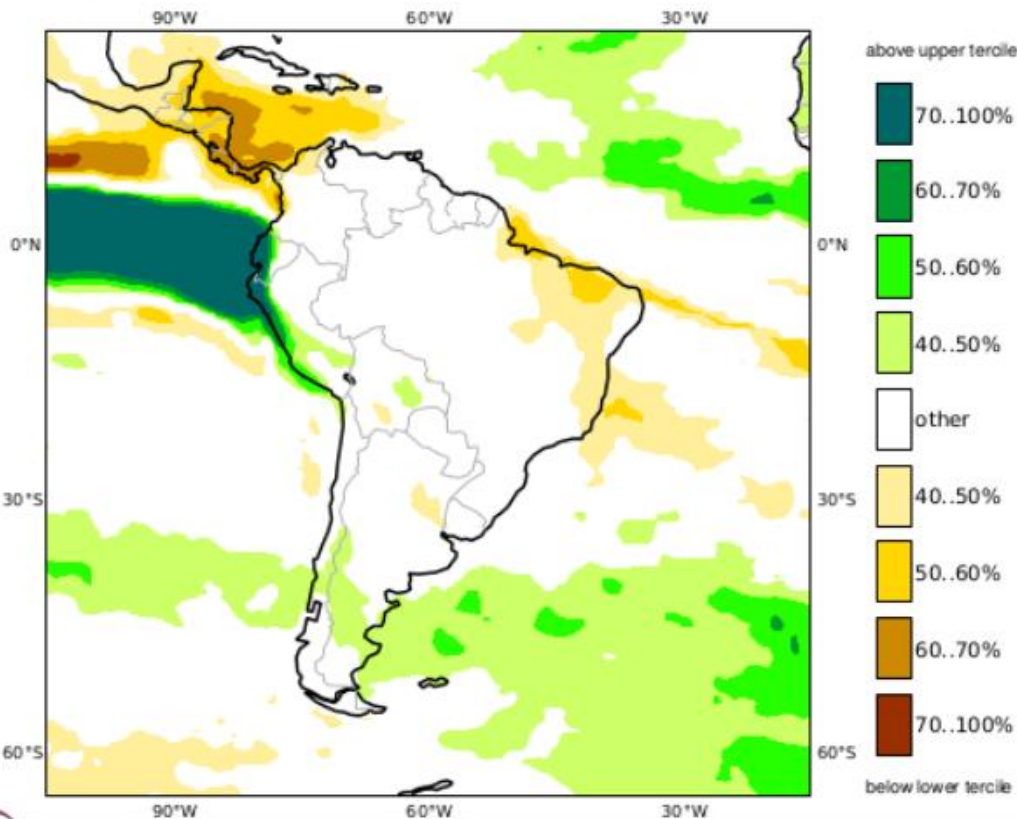
C3S multi-system seasonal forecast

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

