

Monitoramento e Previsões para a Bacia do rio Tocantins

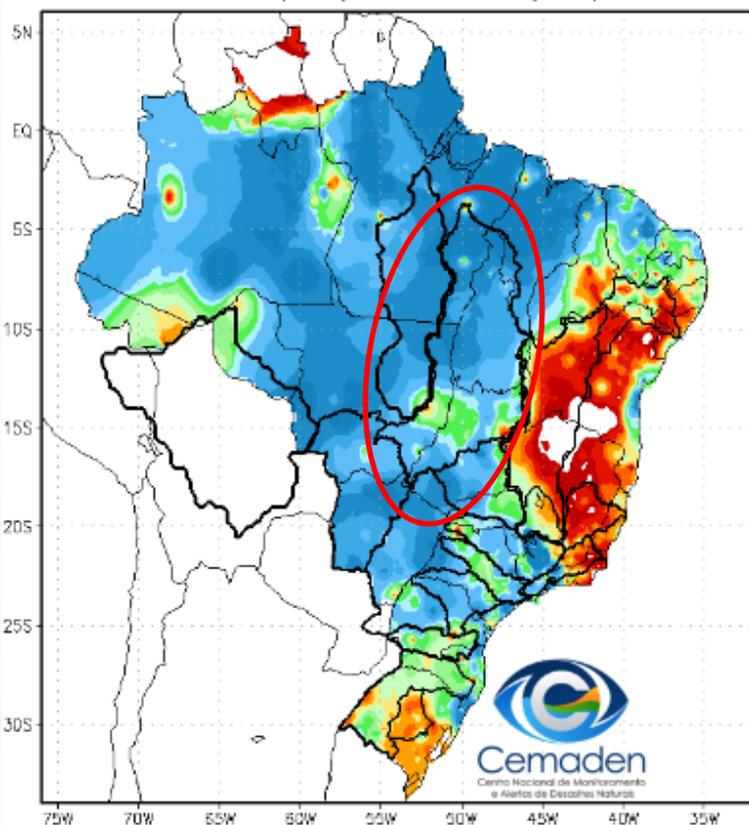


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

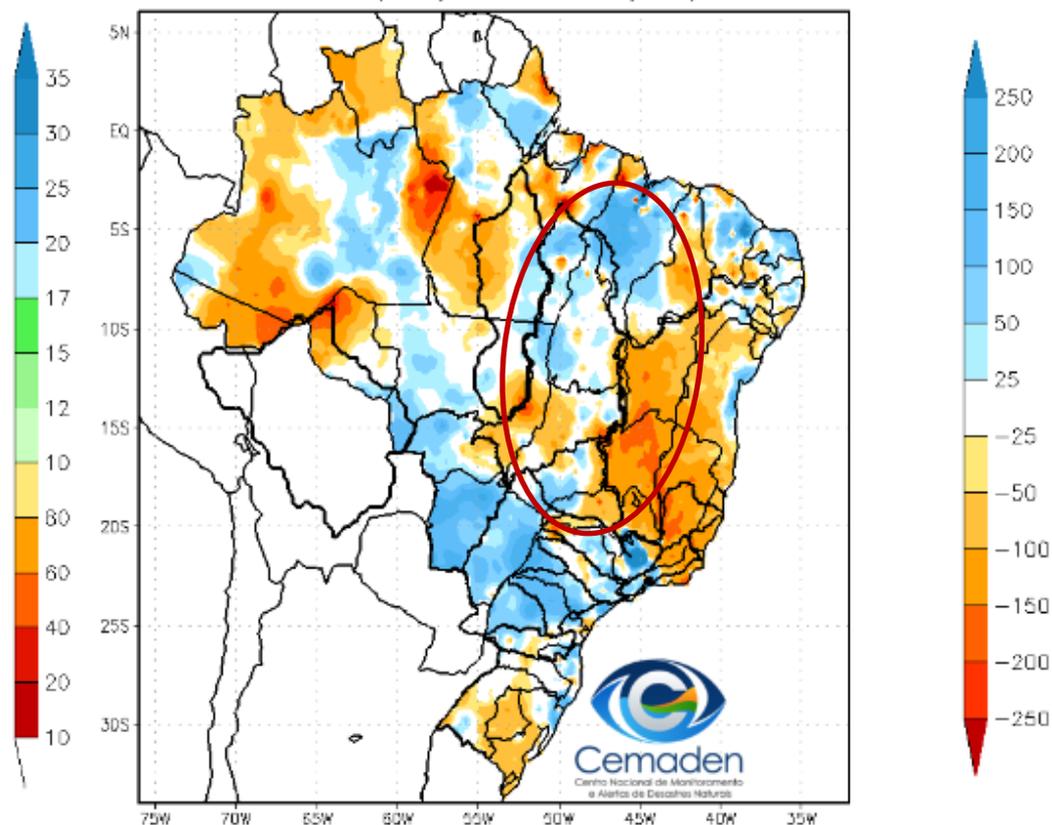
22 de Março de 2023

Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 19/02/2023 a 21/03/2023

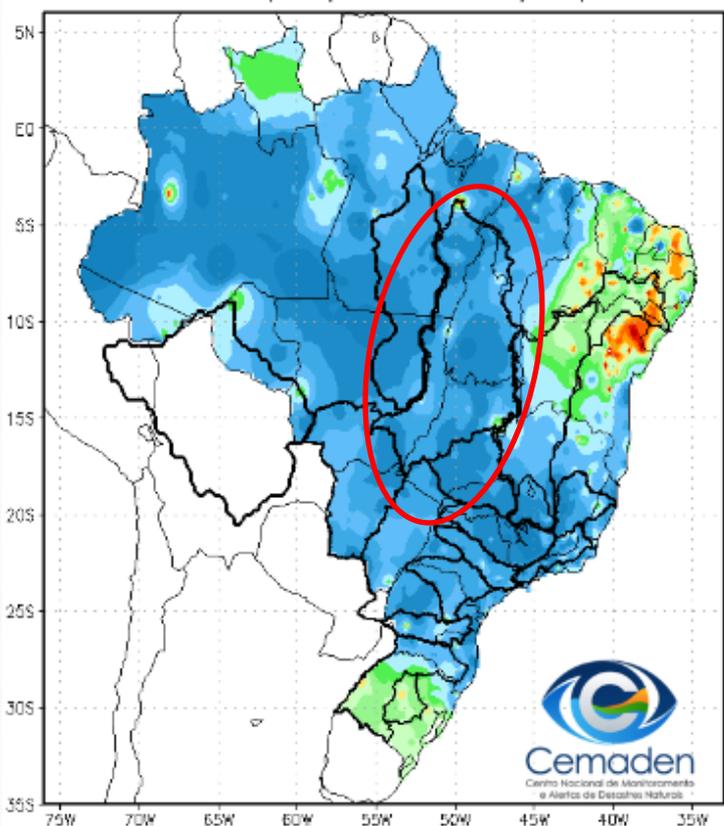


Anomalia de Precipitação (mm) A.S.
Período: 19/02/2023 a 21/03/2023

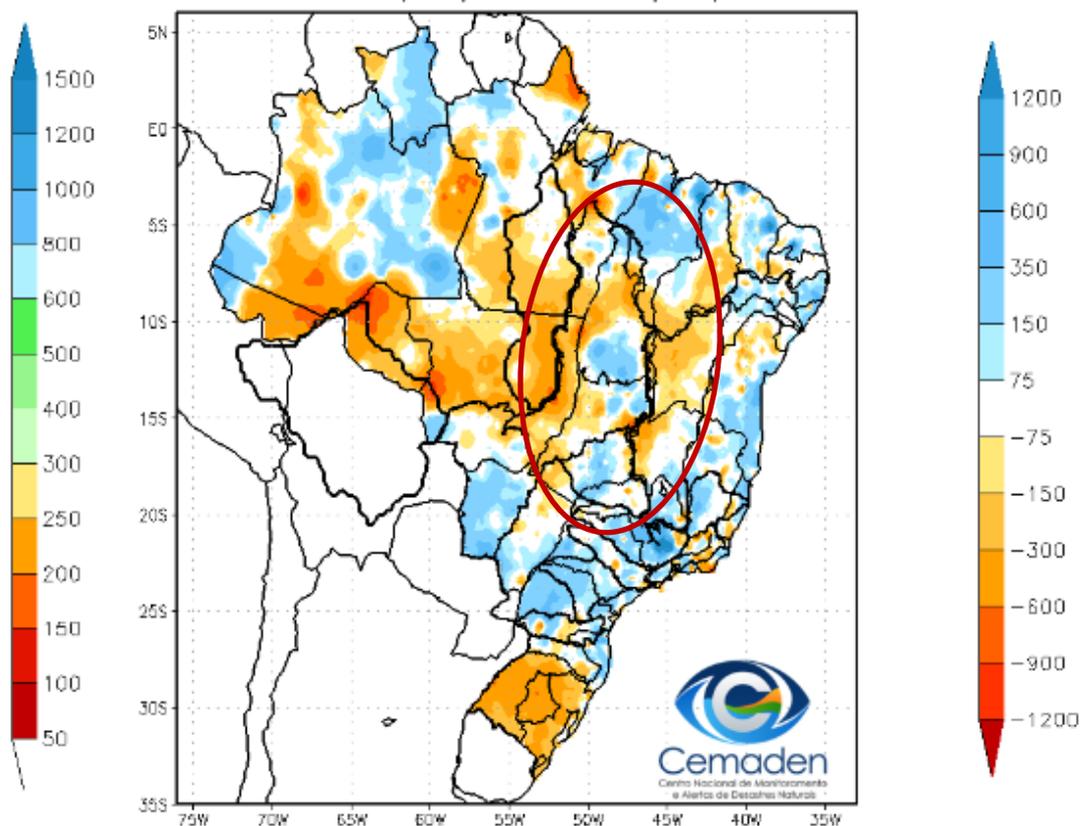


Precipitação acumulada no ano hidrológico

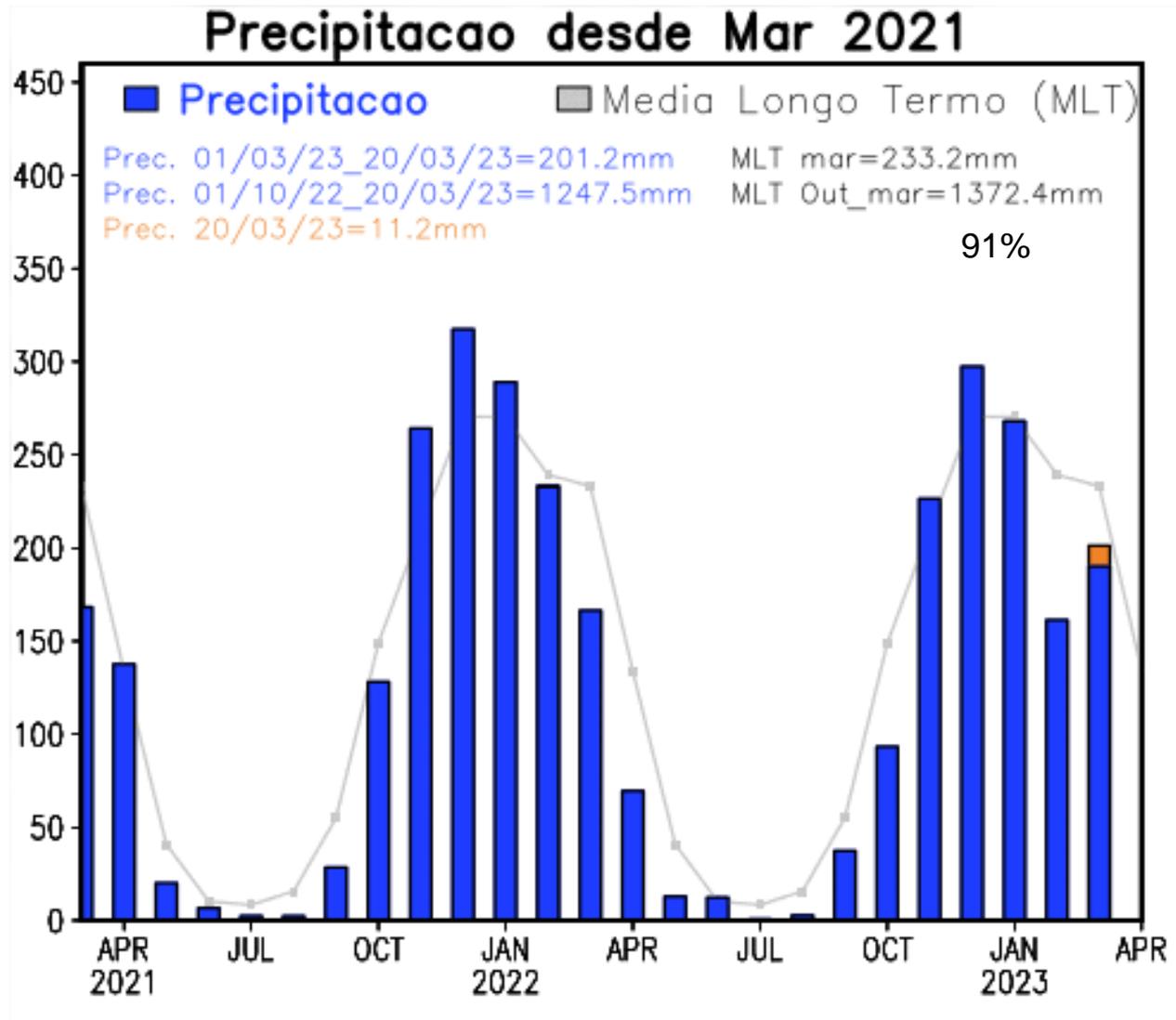
Precipitação Acumulada (mm) A.S.
Período: 01/10/2022 a 21/03/2023



Anomalia de Precipitação (mm) A.S.
Período: 01/10/2022 a 21/03/2023

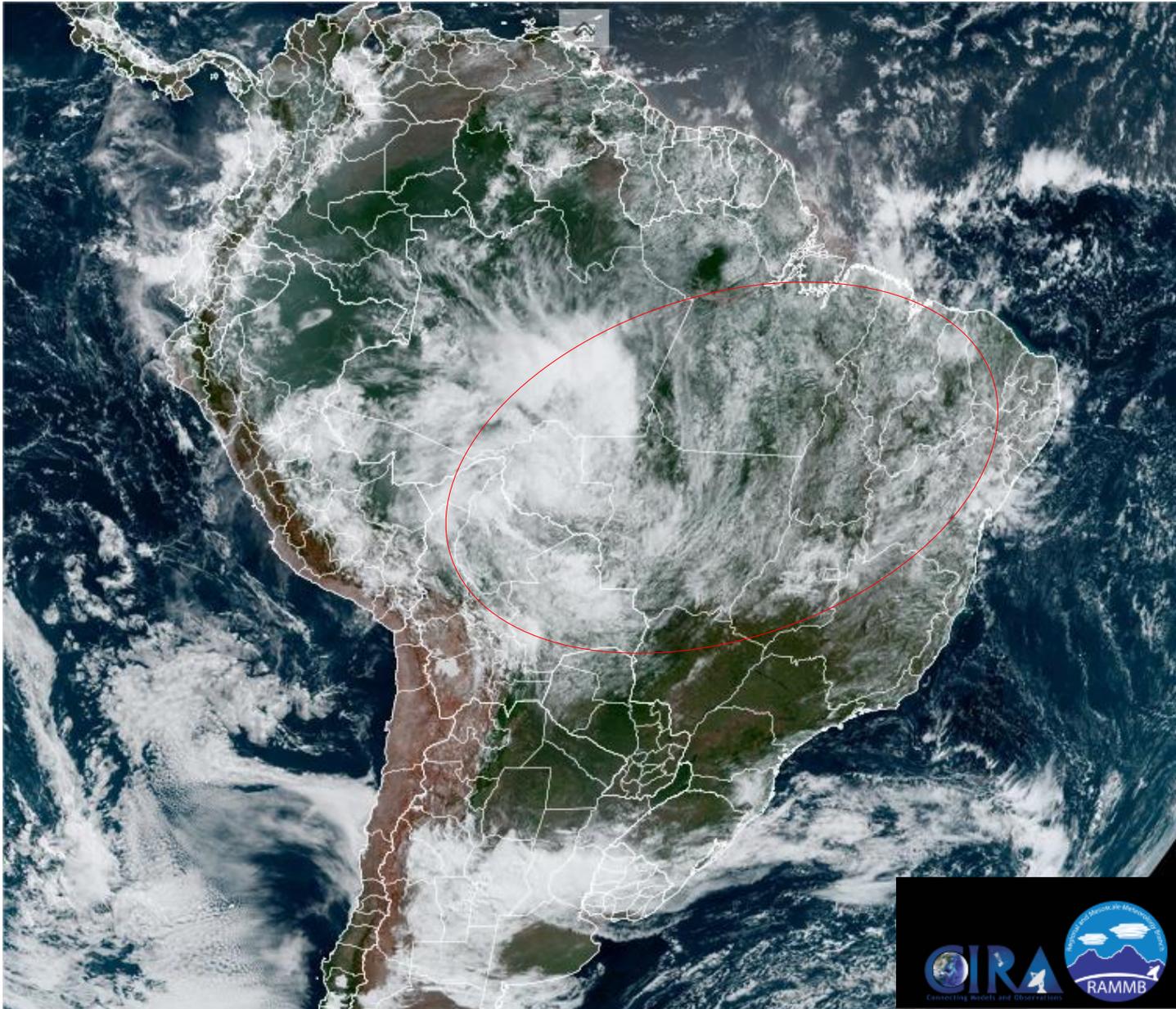


Evolução da Precipitação

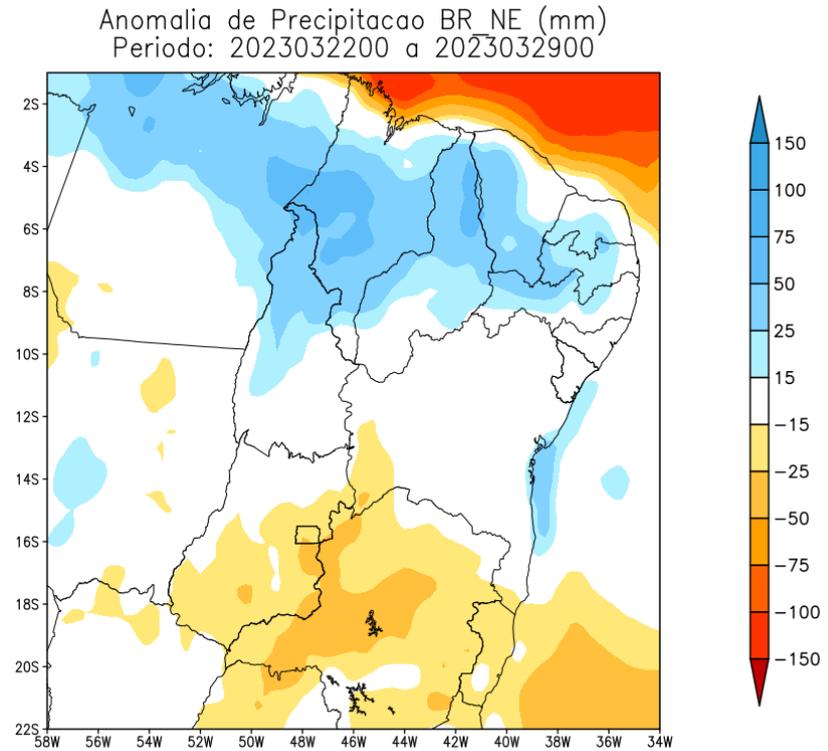
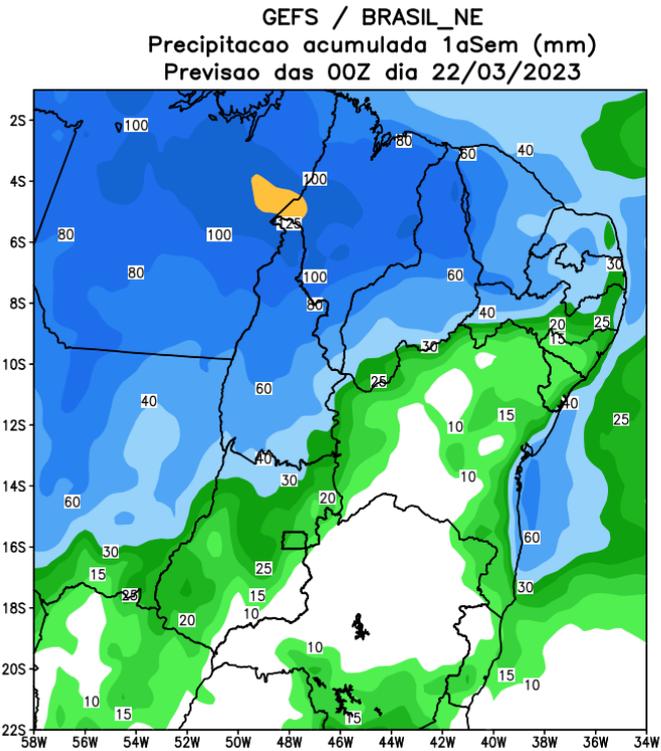


FONTE:
INPE

Situação meteorológica atual



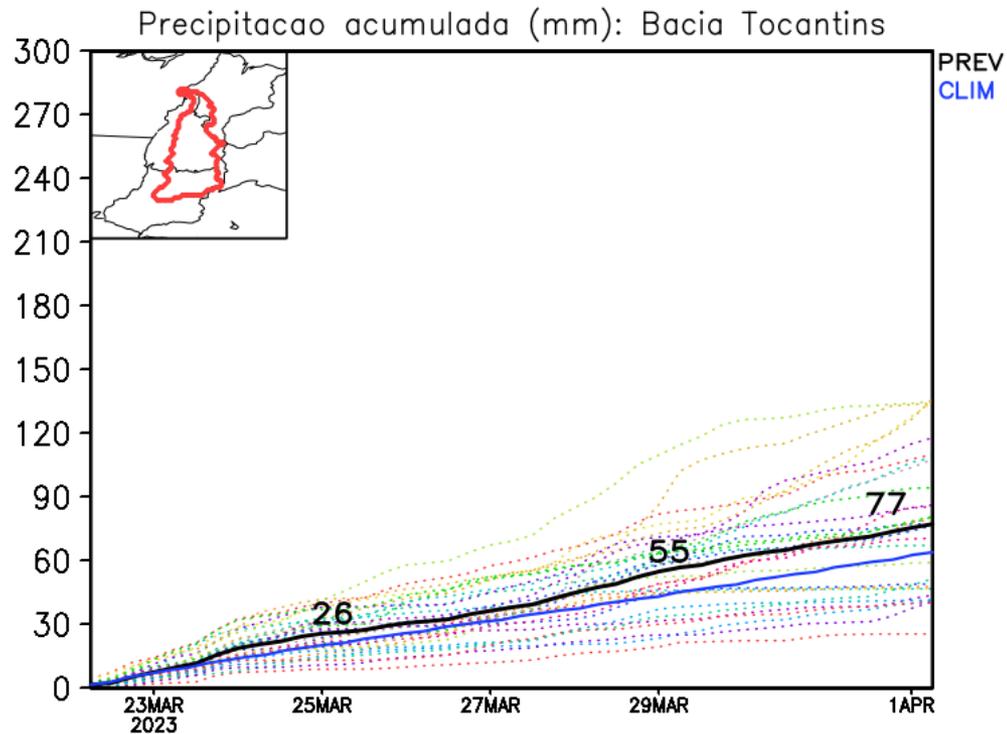
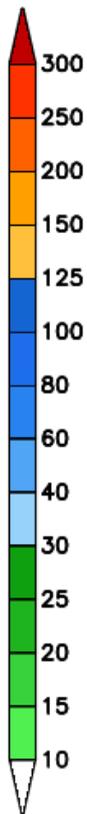
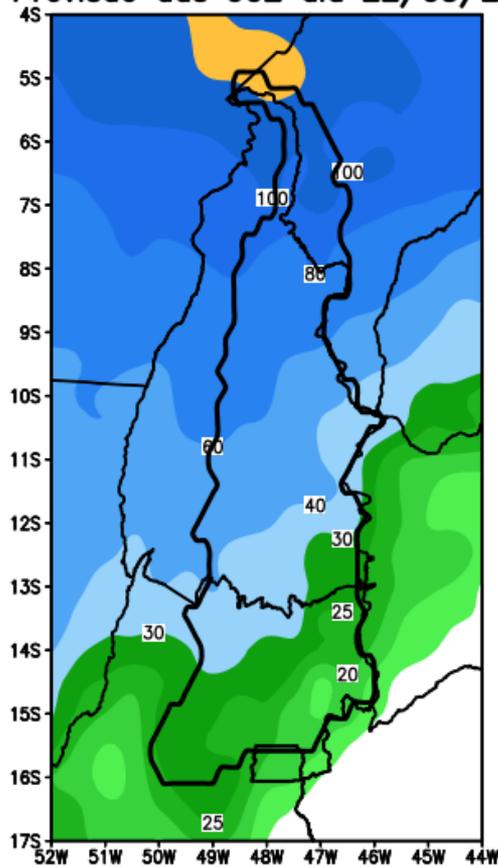
Previsão de chuva próximos 7 dias



Fonte: GFS/NOAA

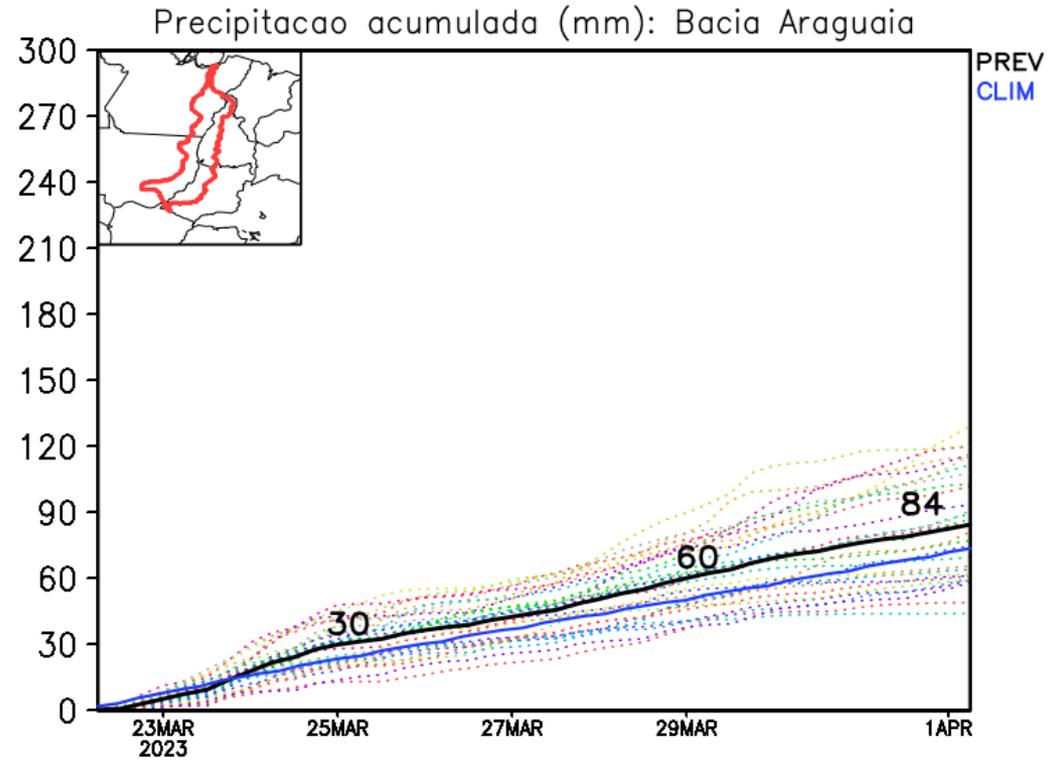
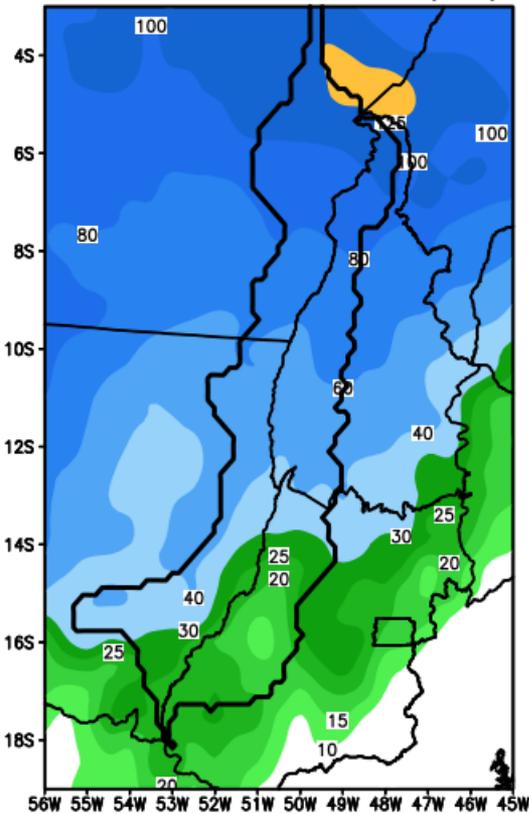
Previsão Bacia Rio Tocantins

GEFS / Bacia Tocantins
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 22/03/2023



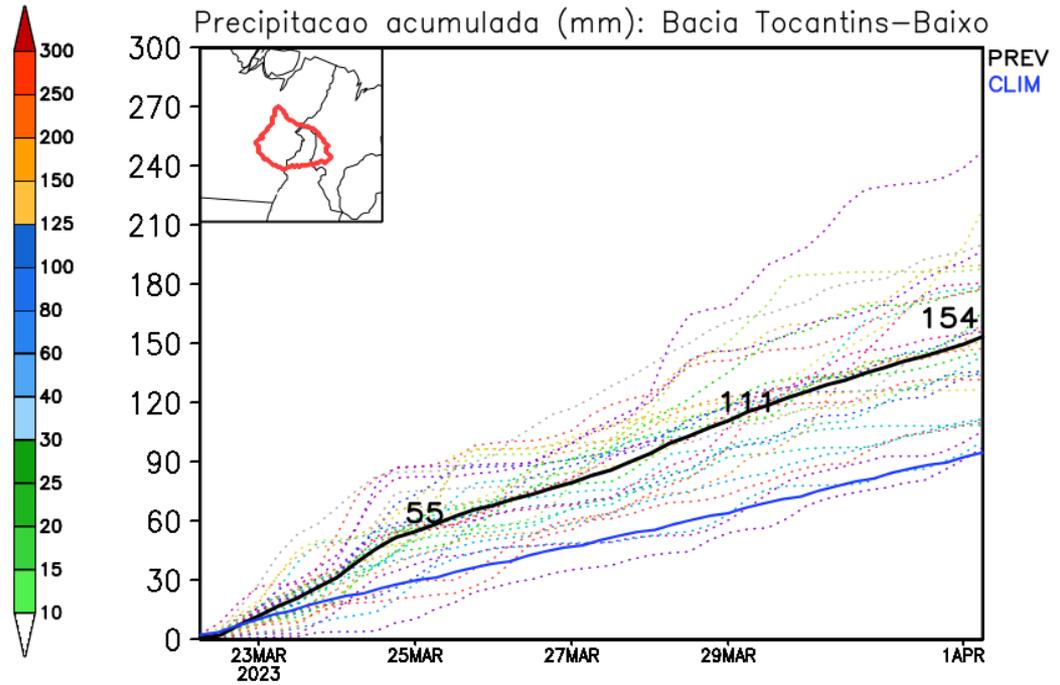
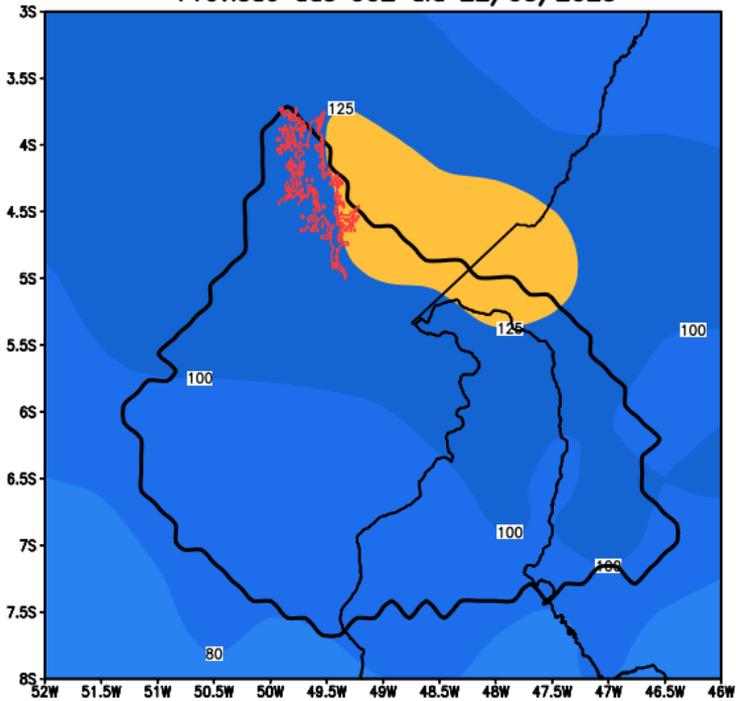
Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 22/03/2023



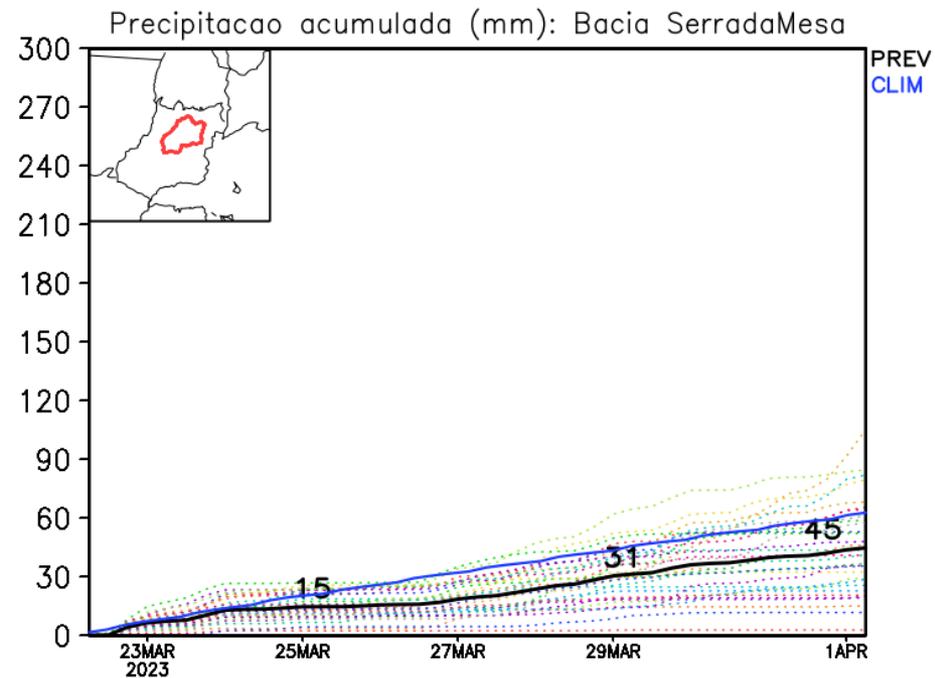
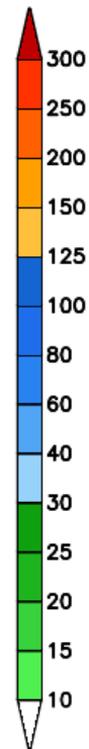
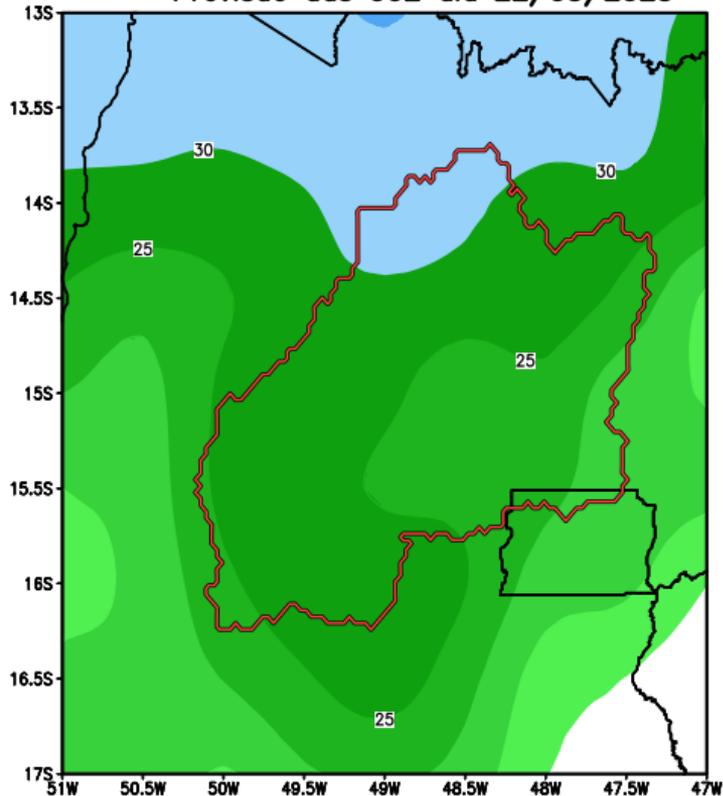
Previsão Bacia Tocantins (Baixo)

GEFS / Bacia Baixo Tocantins
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 22/03/2023

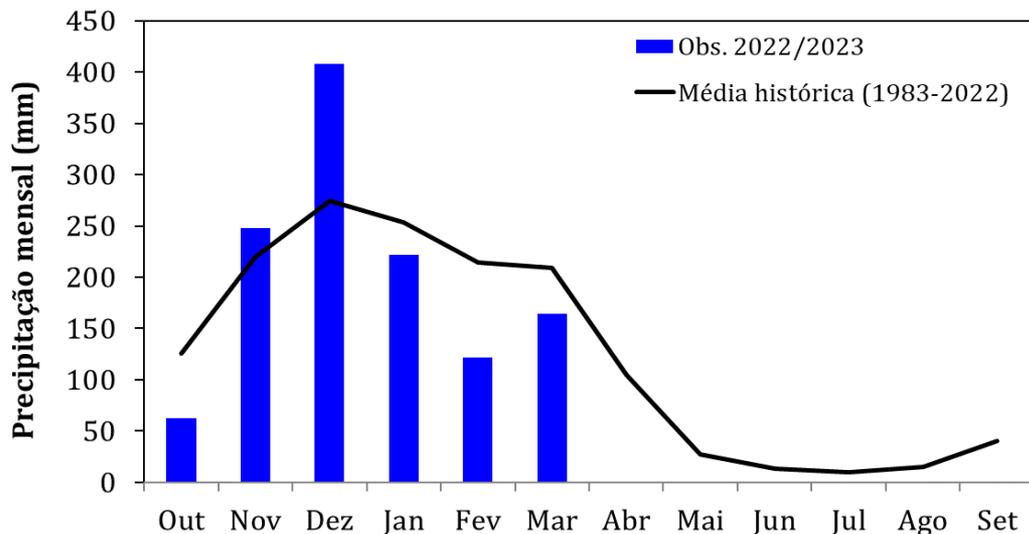


Previsão Bacia Serra da Mesa

GEFS / Bacia Serra da Mesa
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 22/03/2023



Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1402 mm

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

2022/2023*: 1226 mm (87% da média histórica)

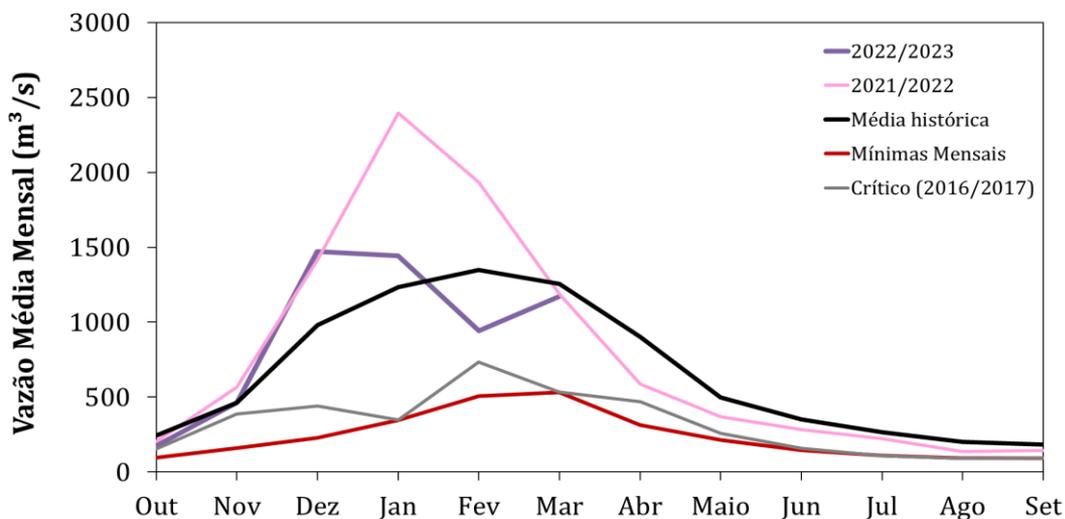
Estação Seca - Maio a Set – 106 mm

2021: 28 mm (26% da média histórica)

2022: 54 mm (51% da média histórica)

Mar/2023*: 164 mm (78% da média histórica; e 116% da média histórica PARCIAL)

*Até 21/03/2023



Vazão

Estação Chuvosa - Out a Abr – 918 m³/s

2021/2022: 1184 m³/s (129% da MLT)

2022/2023*: 945 m³/s (103% da MLT)

Estação Seca - Maio a Set – 300 m³/s

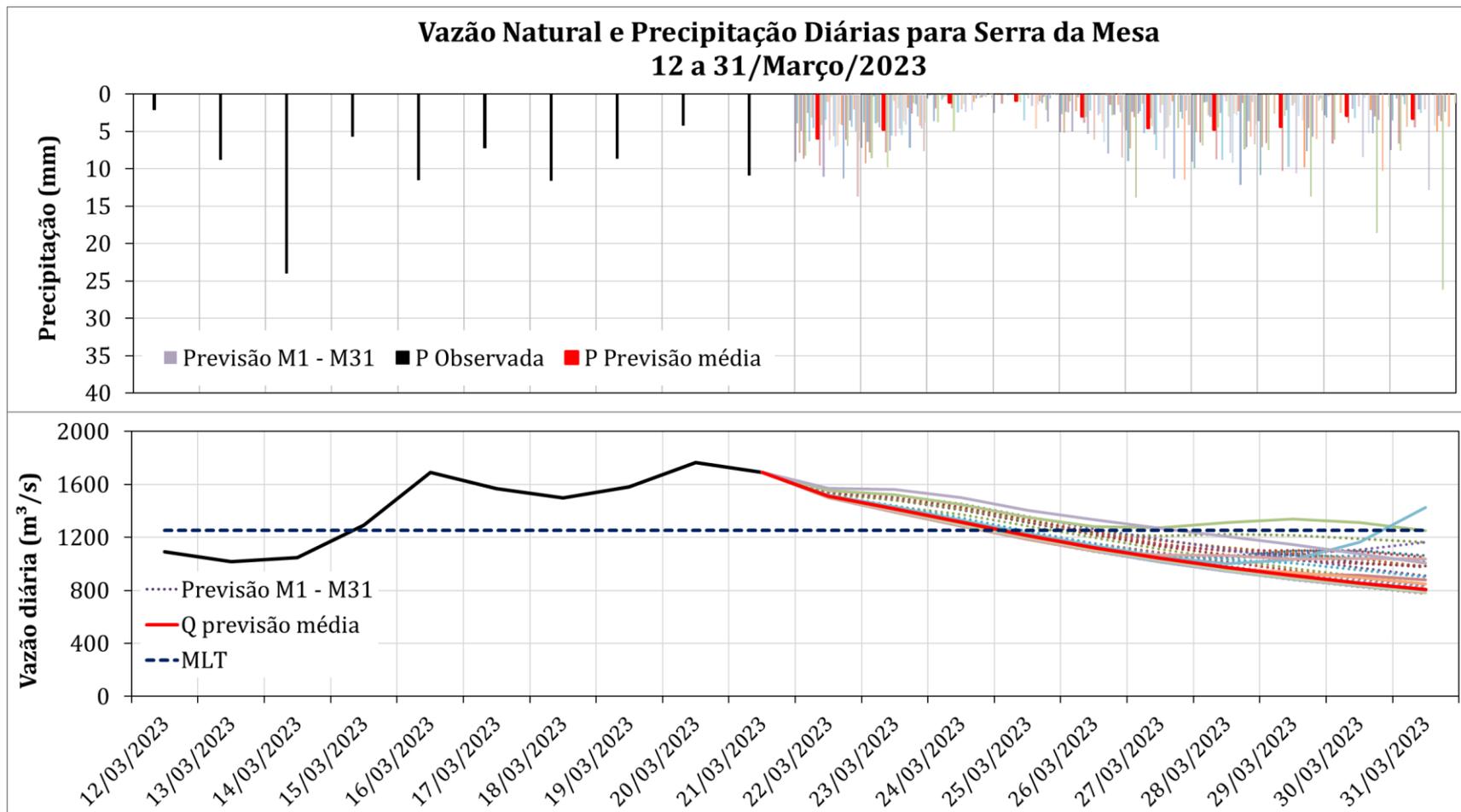
2021: 203 m³/s (68% da MLT)

2022: 231 m³/s (77% da MLT)

Mar/2023*: 1173 m³/s (93% da MLT)

*Até 21/03/2023

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



Dados **observados de precipitação** (barras pretas) para o período 12 a 21/03/23 e **previsão** para o período de 22 a 31/03/23.

Dados **observados de vazão** (linha preta) para o período 12 a 21/03/23 e **previsão** para o período de 22 a 31/03/23.

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

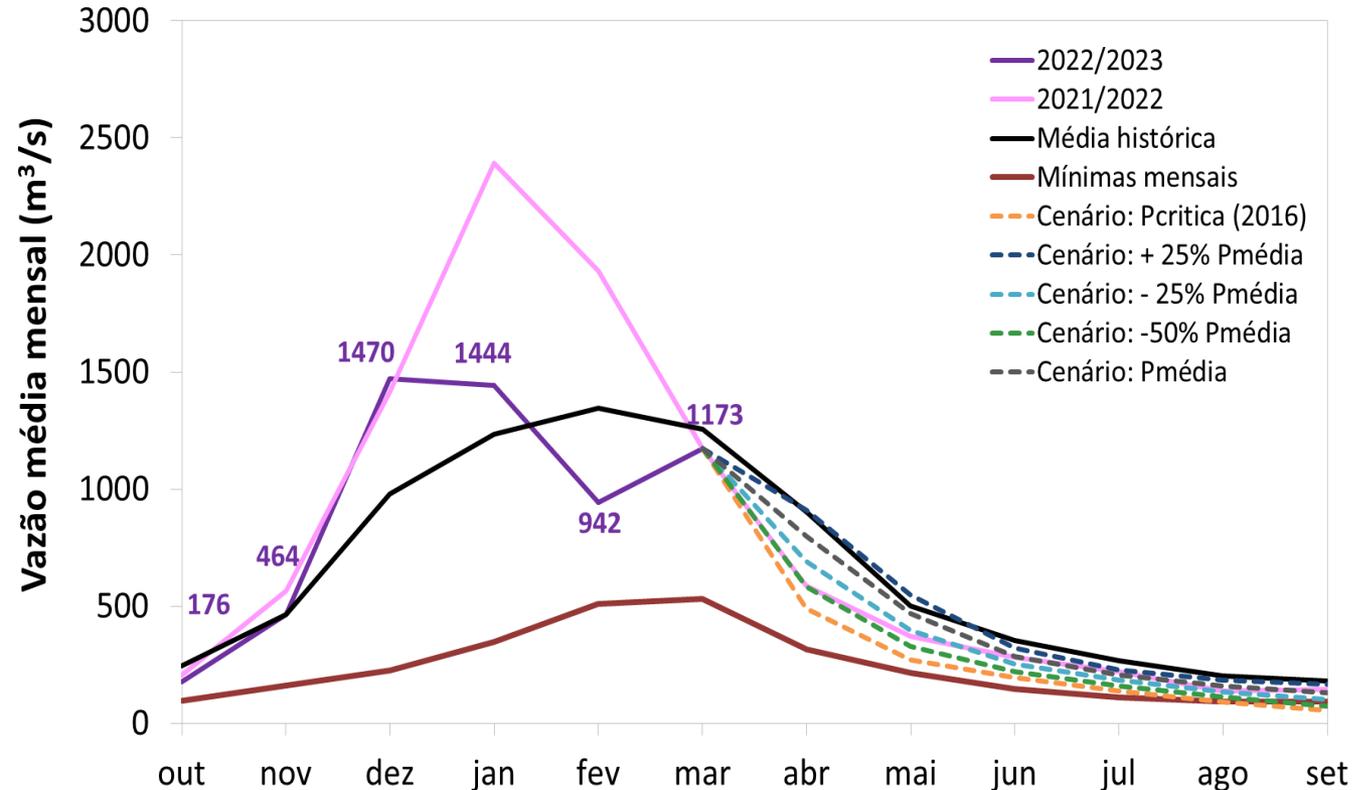
As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 1117 m³/s

Valor inferior à MLT de e Março (1255 m³/s)

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

Previsão: 22 a 31/Mar - Projeções: 01/Abr a 30/Set/23

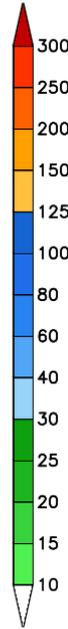
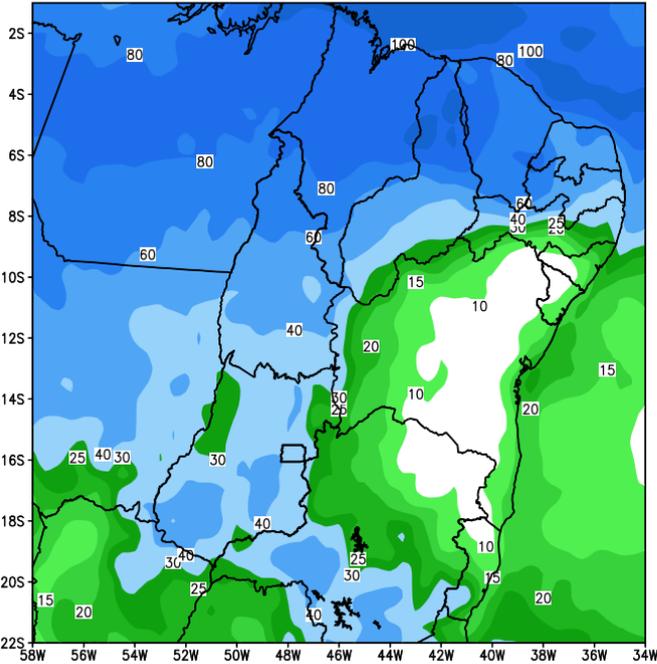


Abril a Setembro
MLT: 400 m³/s

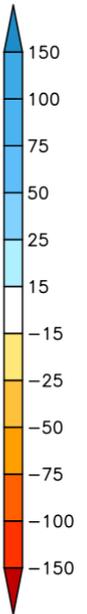
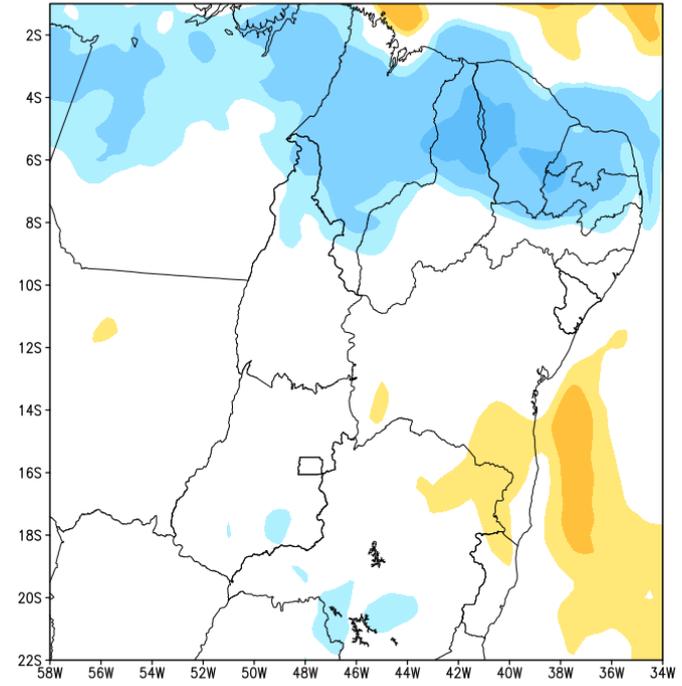
Vazão	% MLT
393 m³/s	98%
342 m³/s	85%
293 m³/s	73%
206 m³/s	51%

Tendência para a 2a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 22/03/2023

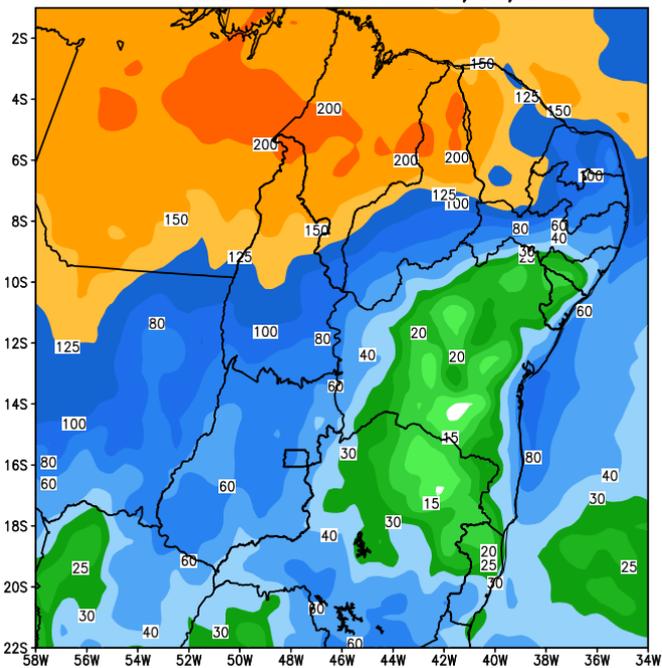


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023033000 a 2023040500

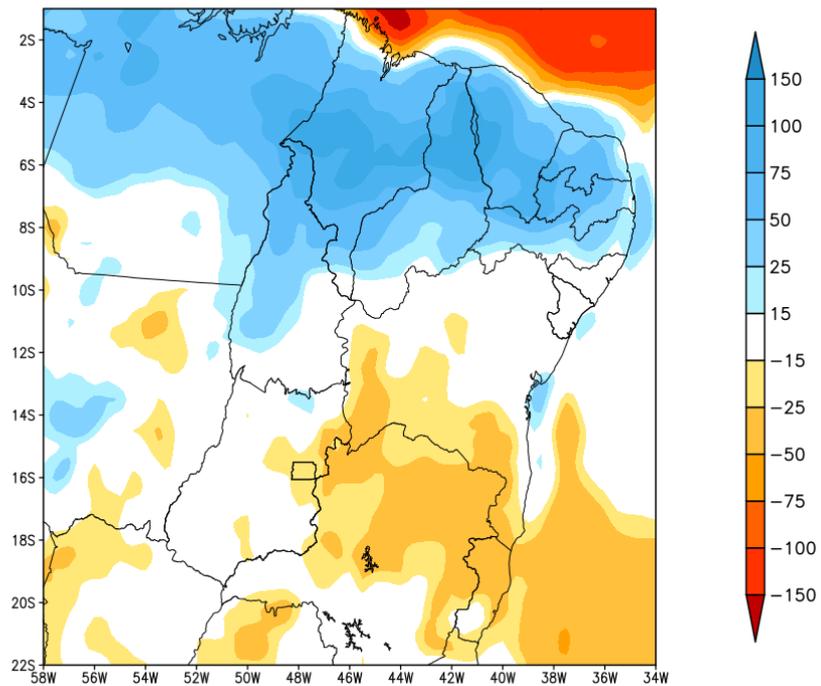


Tendência para as próximas duas semanas

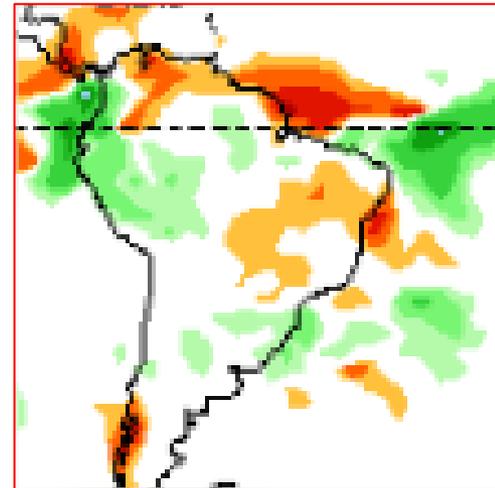
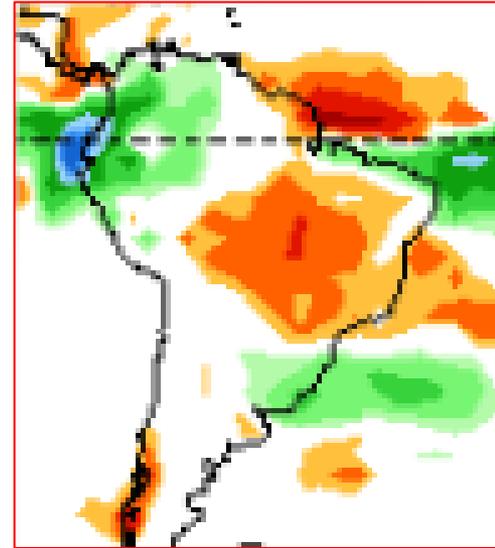
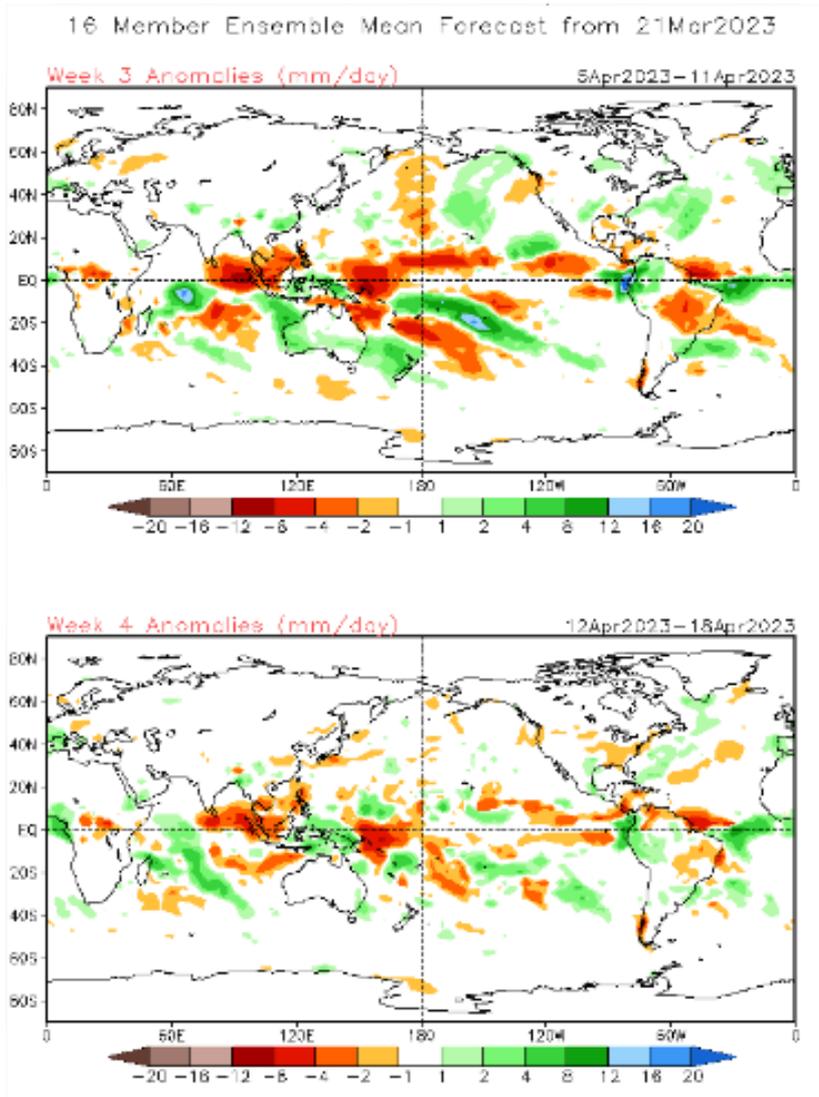
GEFS / BRASIL_NE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 22/03/2023



Anomalia de Precipitacao BR NE (mm)
Periodo: 2023032200 a 2023040500

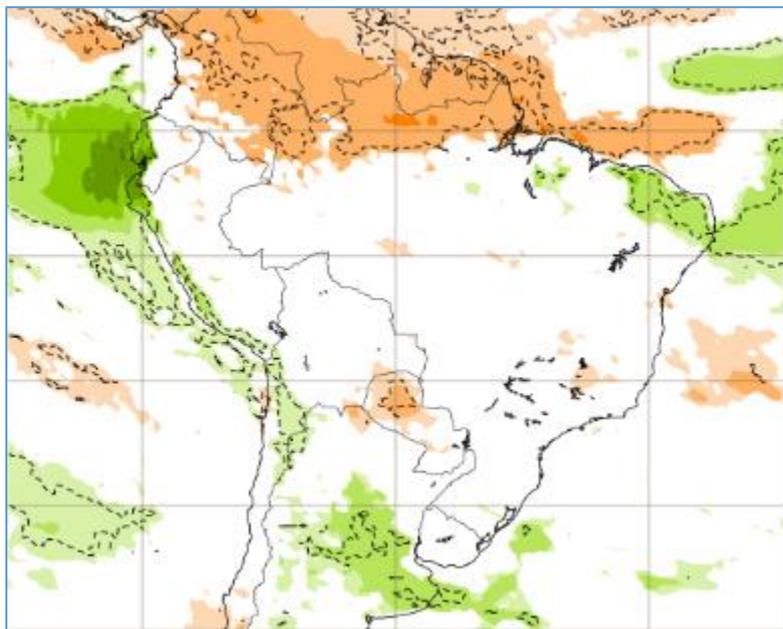


Tendência 3a e 4a semanas

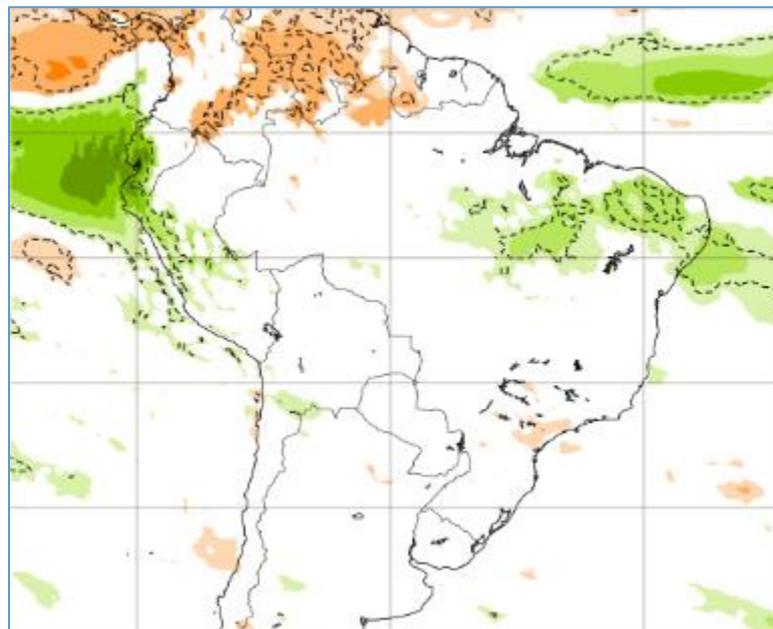


Tendência para 3ª e 4ª semanas

03-10/04

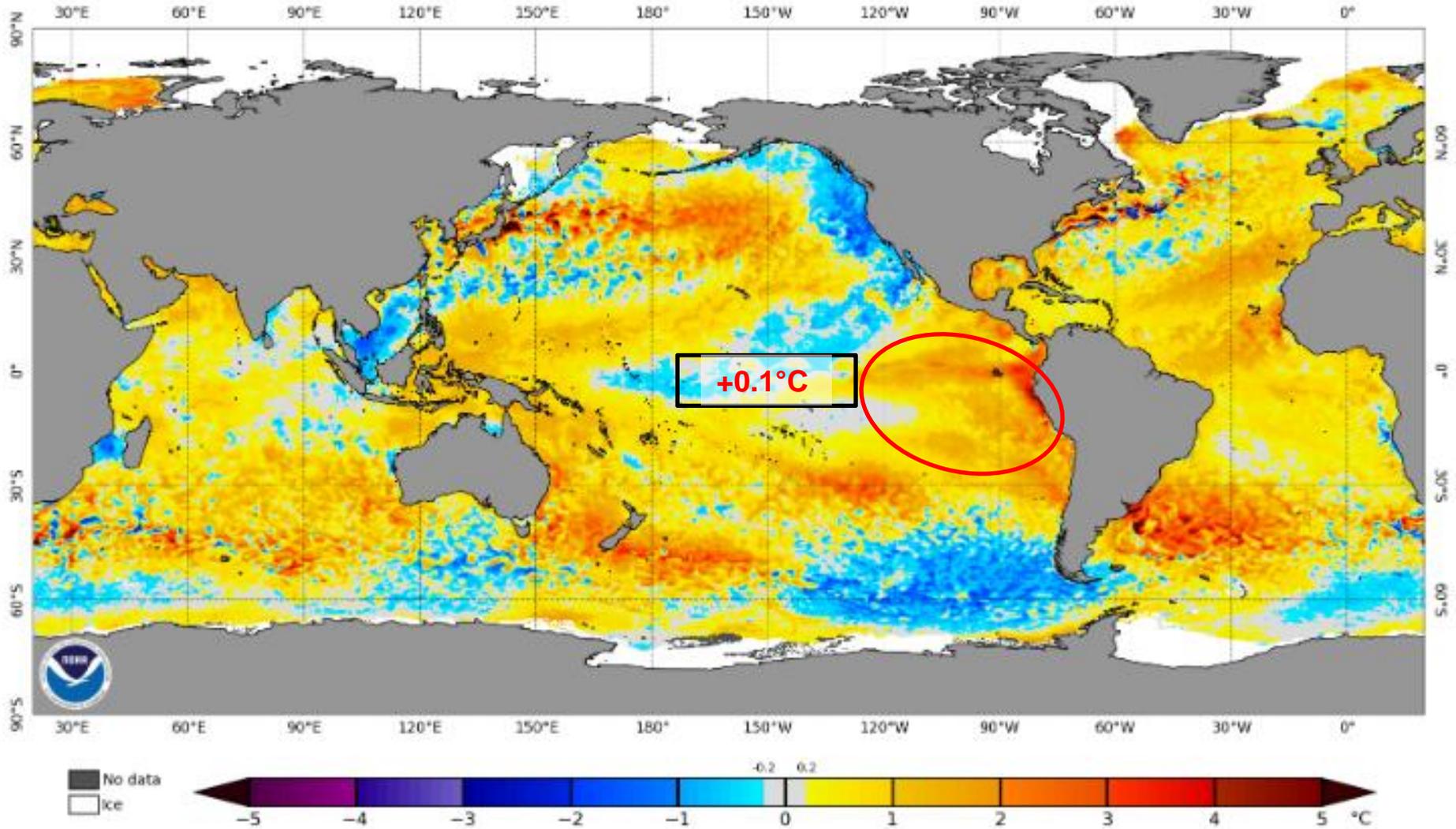


10-17/04



Status Atual: Neutralidade

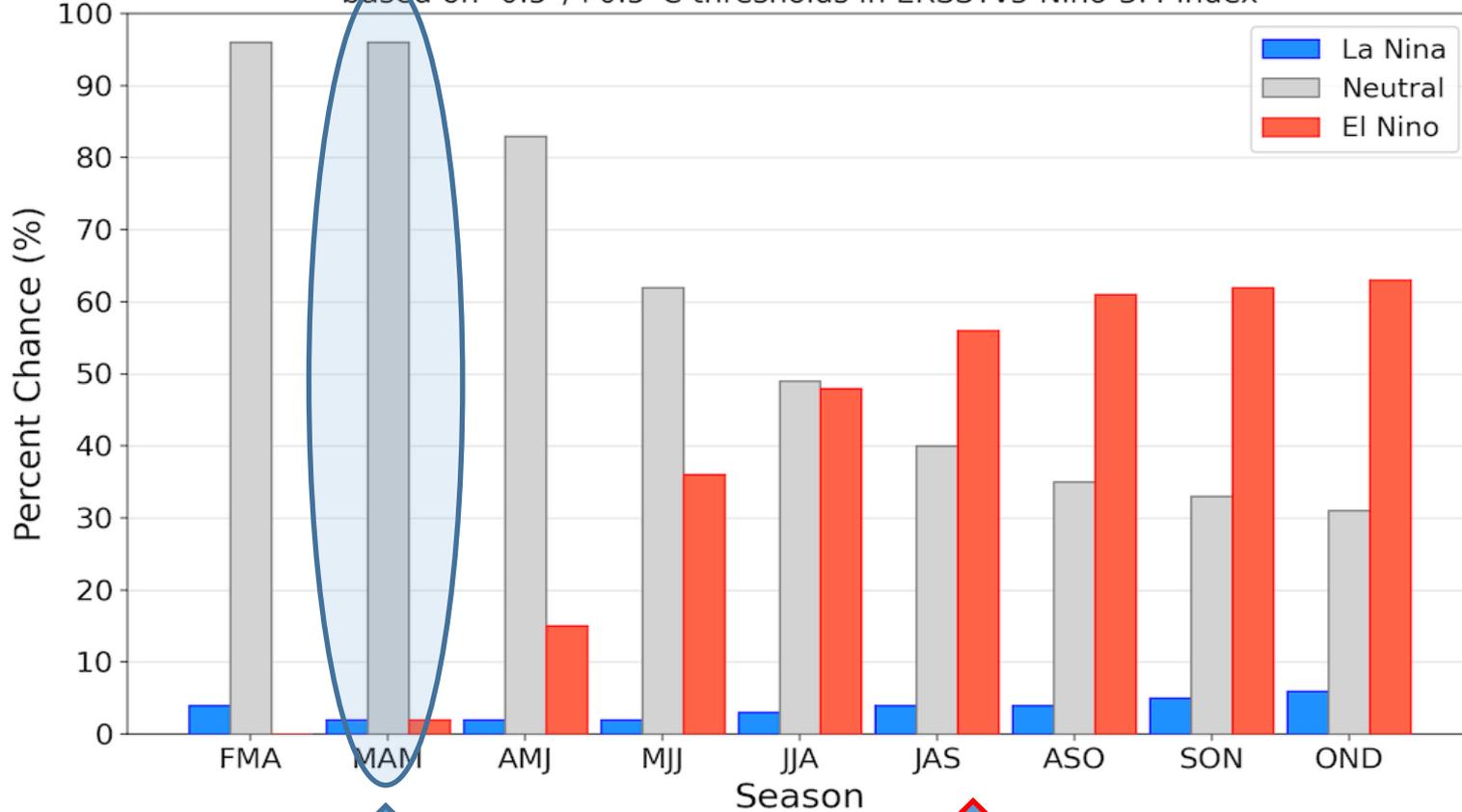
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 19 Mar 2023



Previsão do “La Niña”

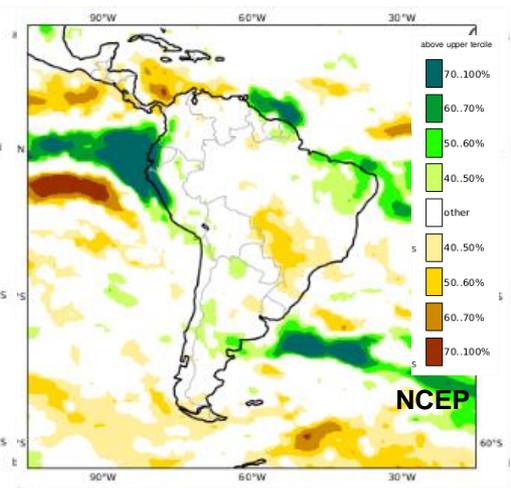
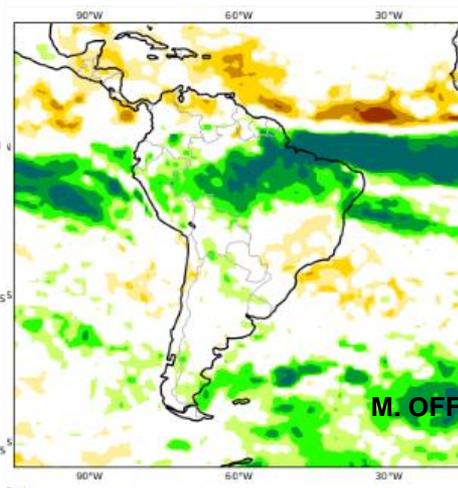
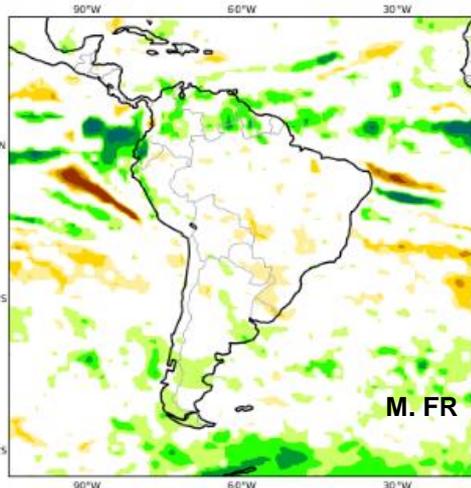
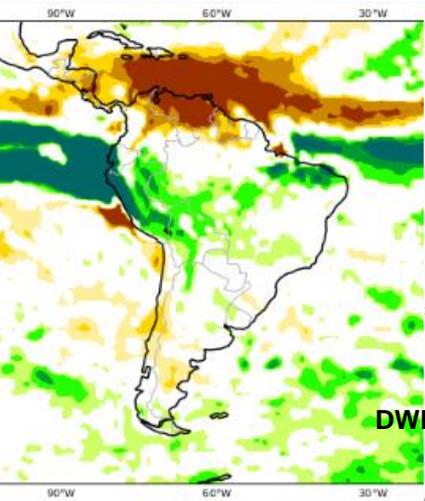
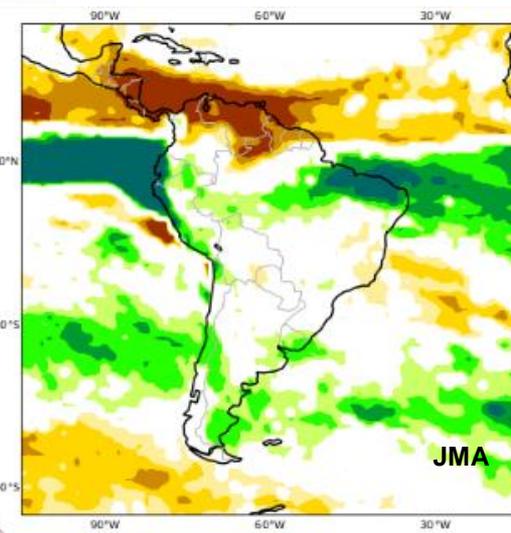
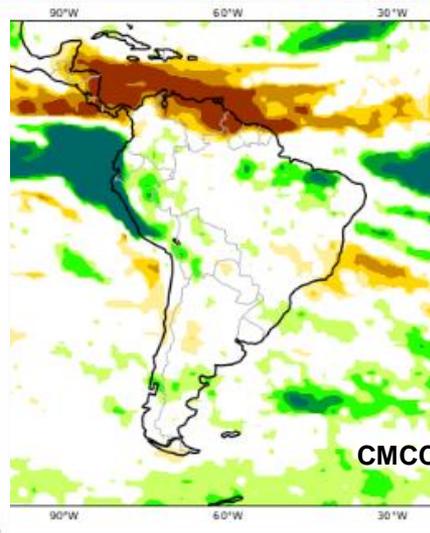
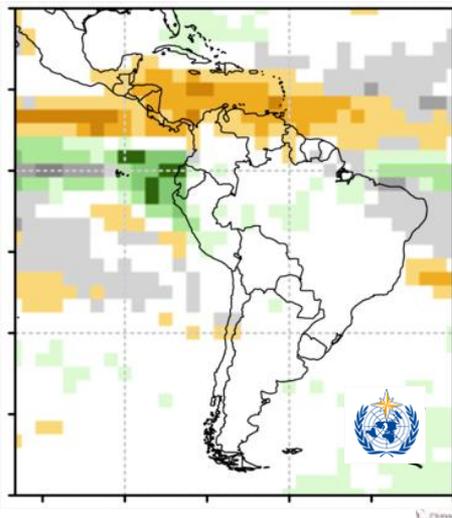
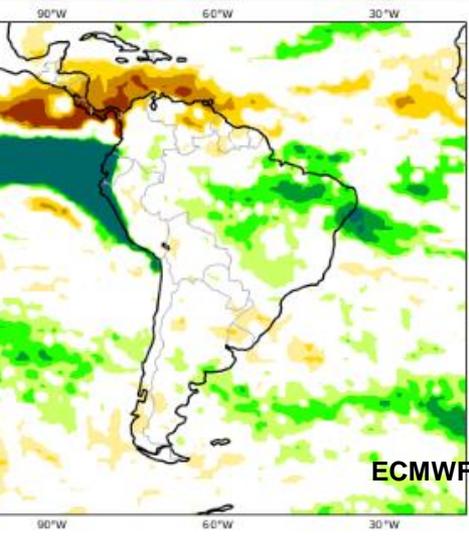
Official NOAA CPC ENSO Probabilities (issued Mar. 2023)

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



Status Atual: **Neutralidade**

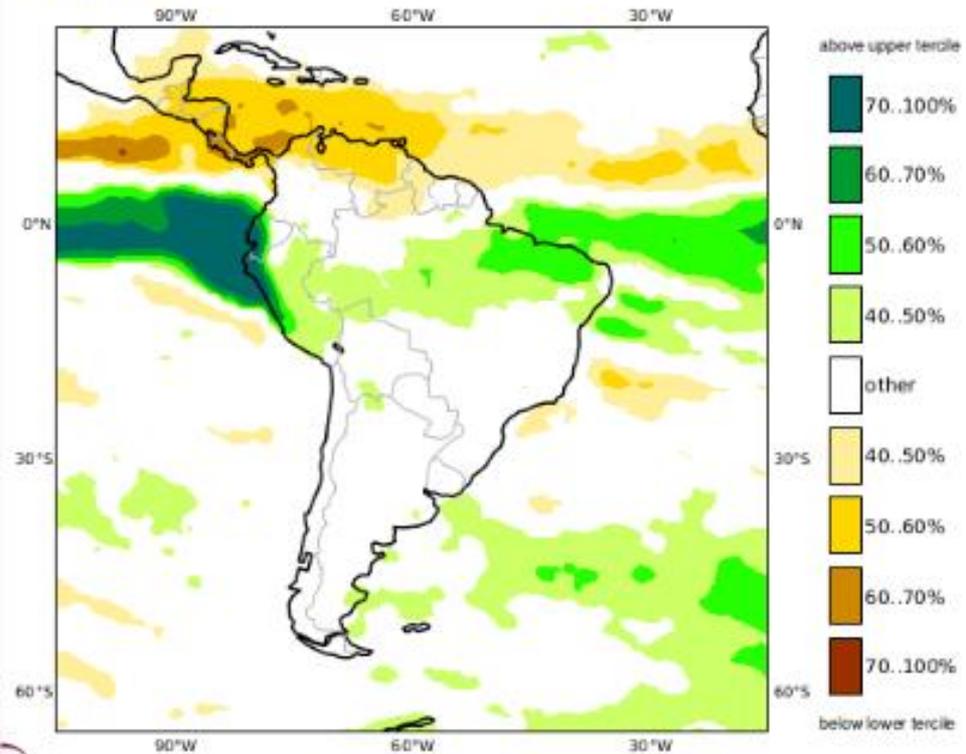
Previsão sazonal de Chuva AMJ



Previsão Multi Modelo AMJ

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/03/23
Unweighted mean

AMJ 2023



NMME Precipitation Anomalies (mm/day)
Apr2023–Jun2023 March2023 initial conditions

