

Monitoramento, Previsões e Projeções para a Bacia do Rio São Francisco

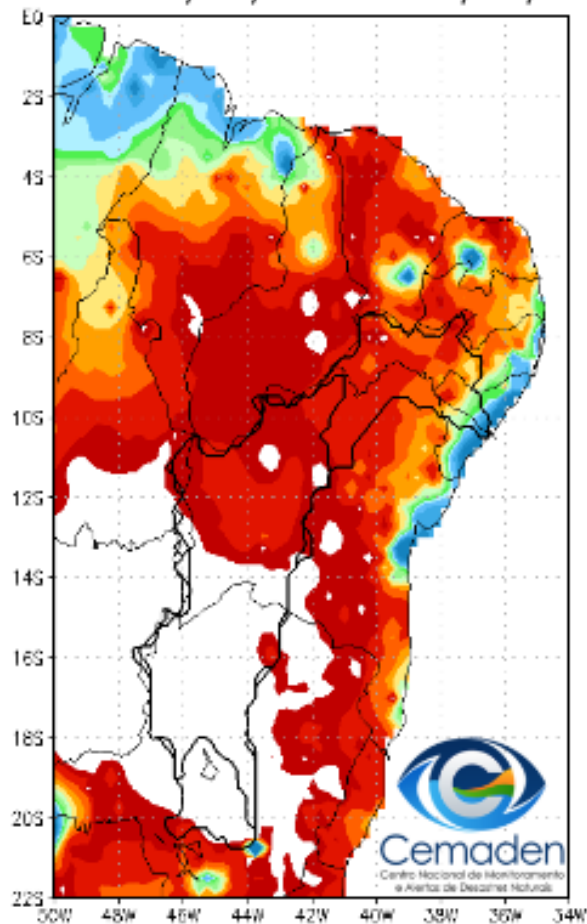


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

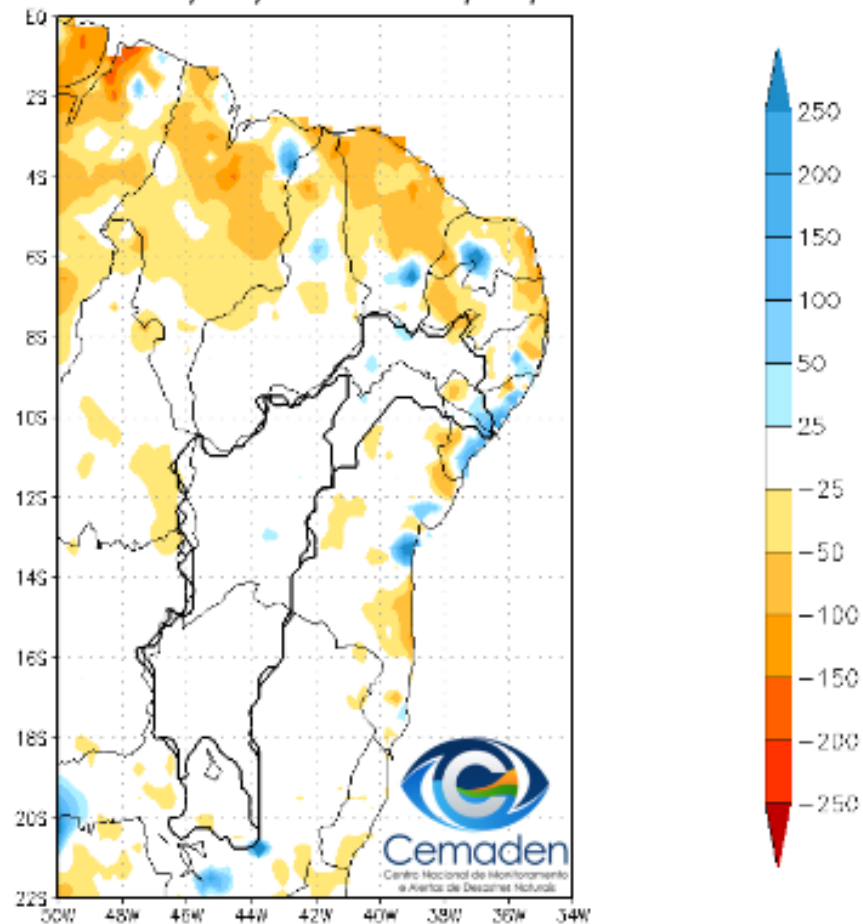
06 de Junho de 2023

Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 06/05/2023 a 05/06/2023

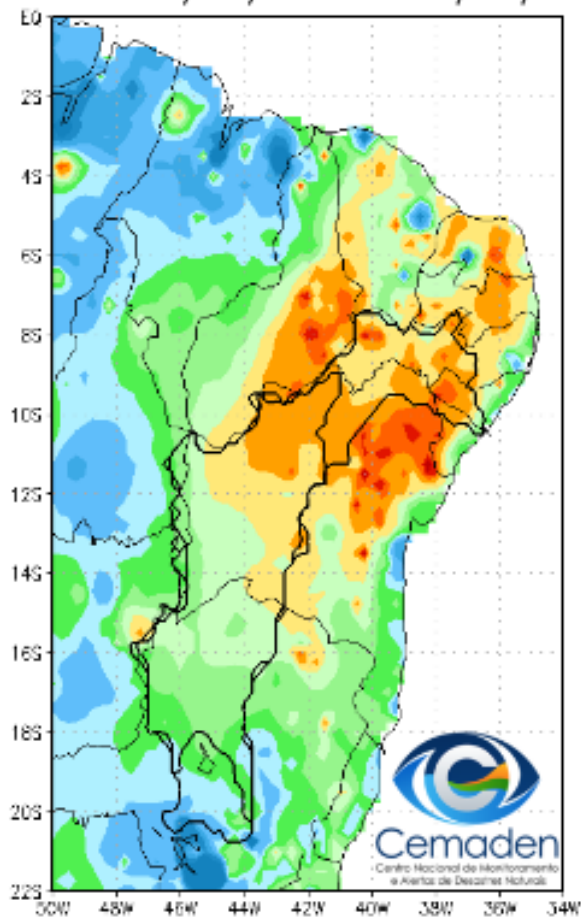


Anomalia de Precipitacao (mm) A.S.
Período: 06/05/2023 a 05/06/2023

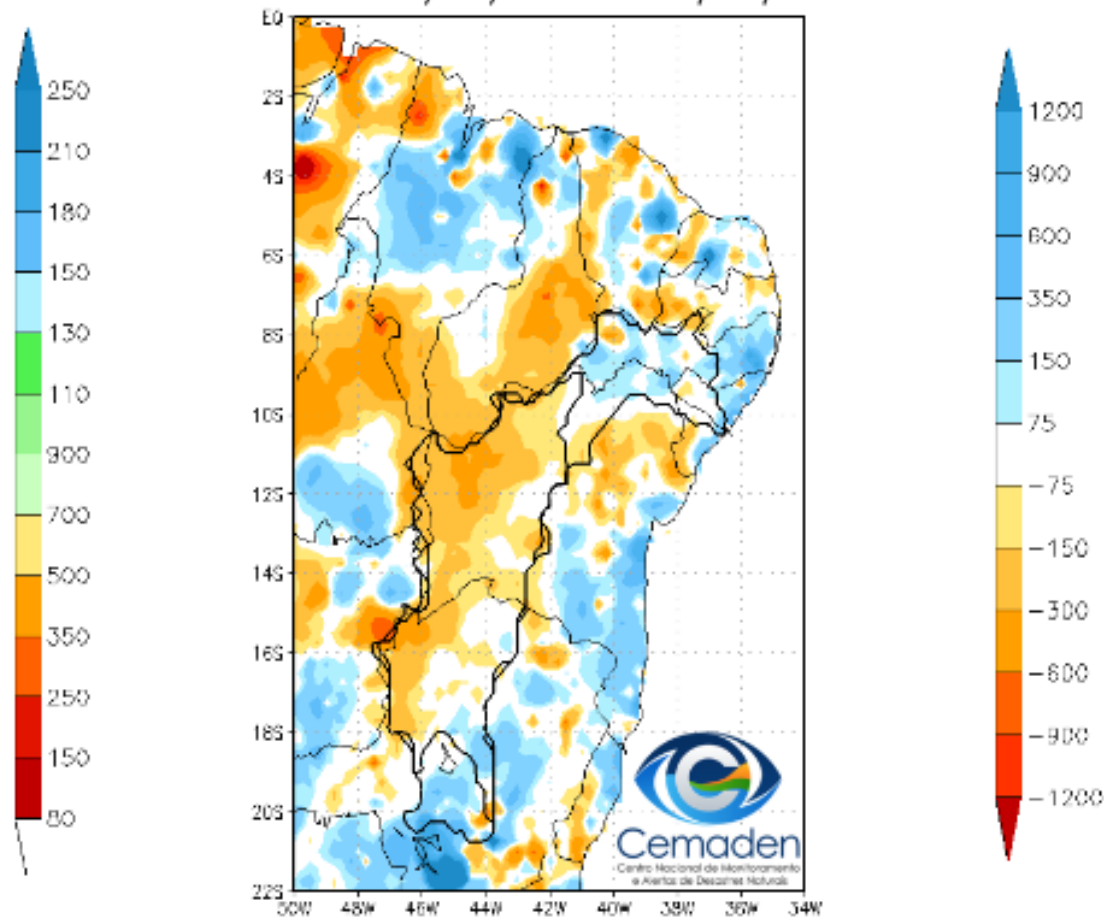


Chuva no Ano Hidrológico - desde 01/10/2022

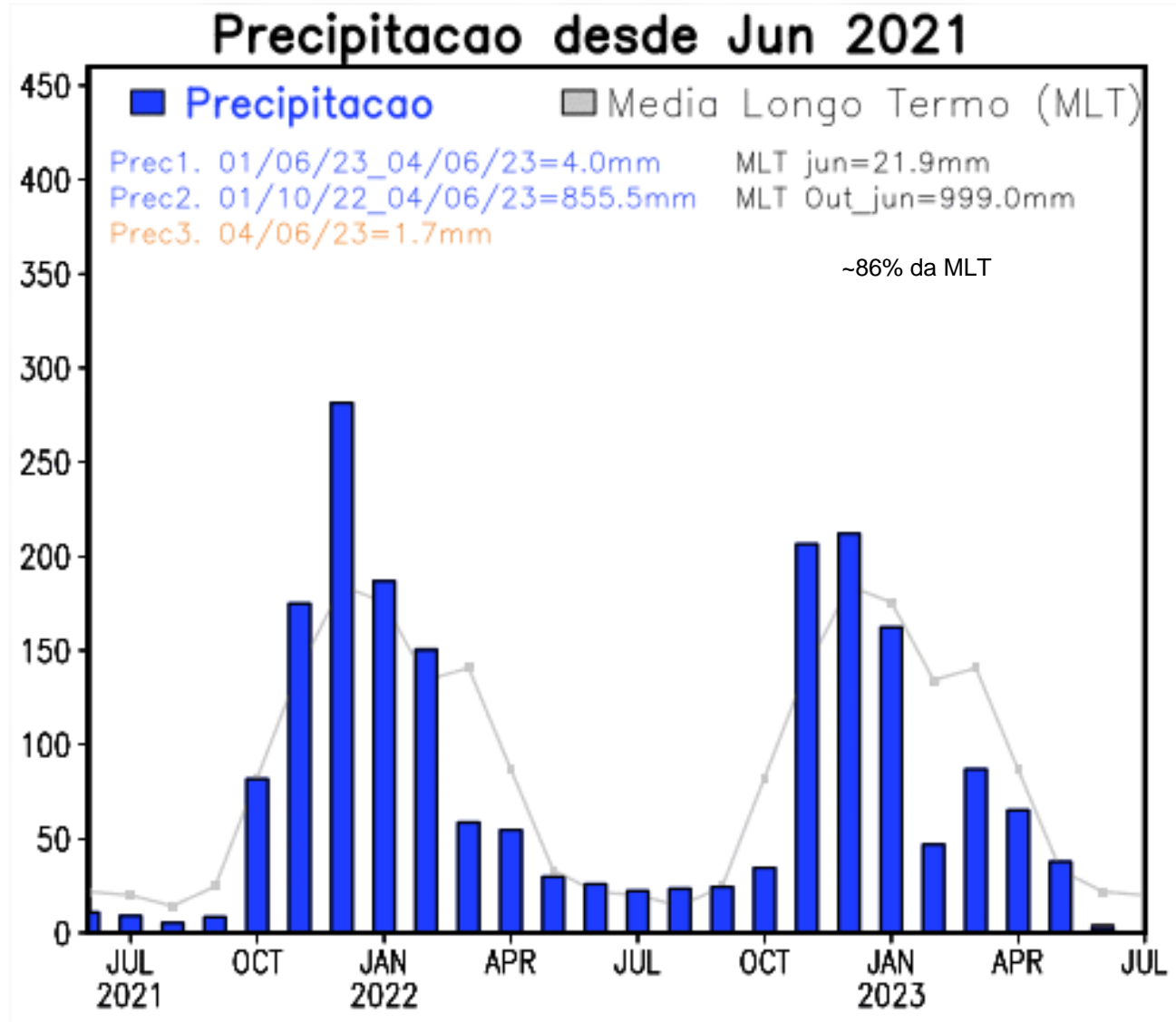
Precipitacao Acumulada (mm) A.S.
Período: 01/10/2022 a 05/06/2023



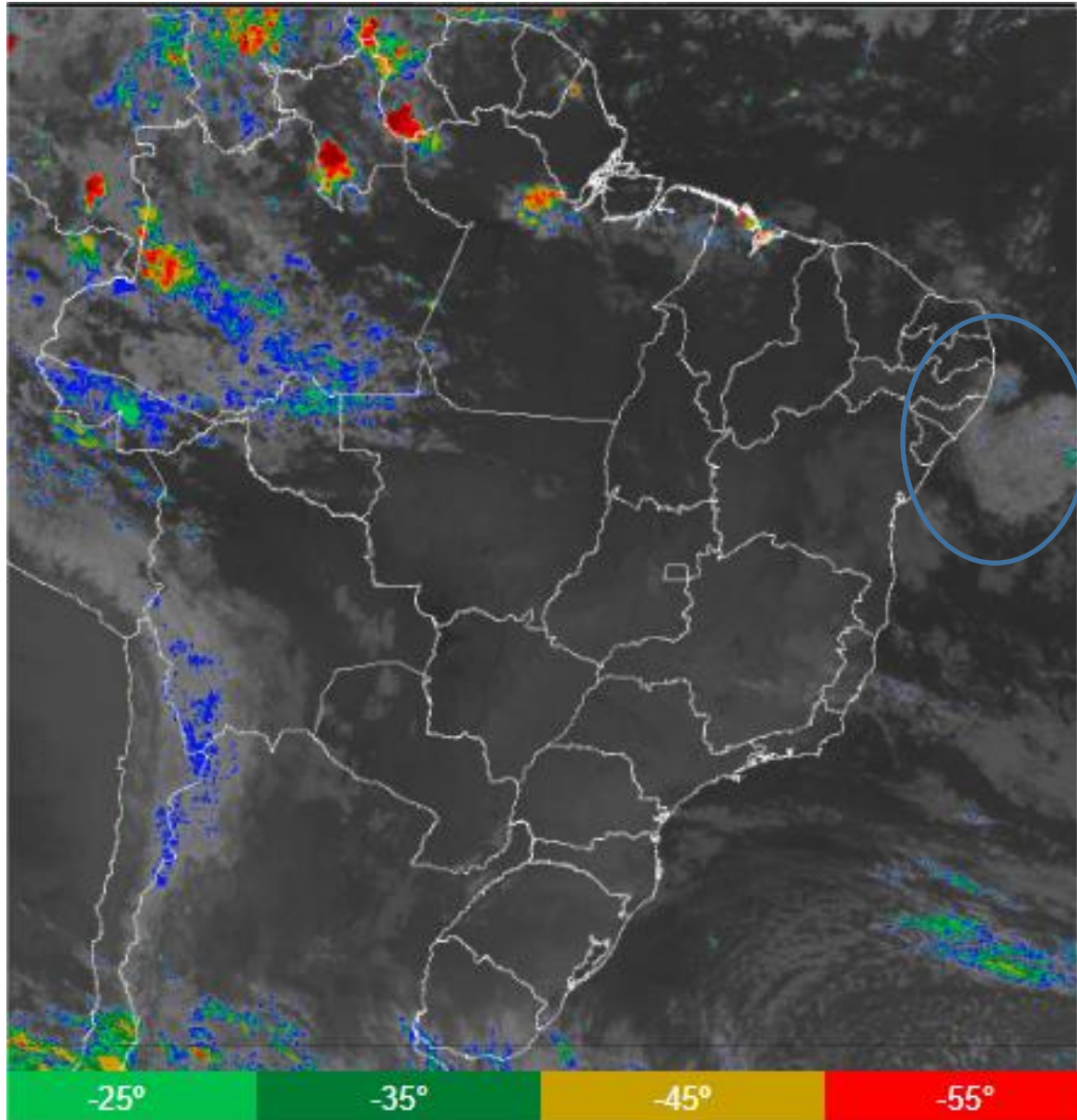
Anomalia de Precipitacao (mm) A.S.
Período: 01/10/2022 a 05/06/2023



Bacia do rio São Francisco

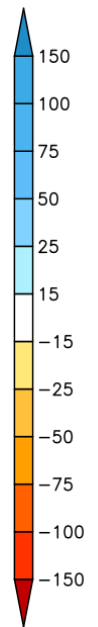
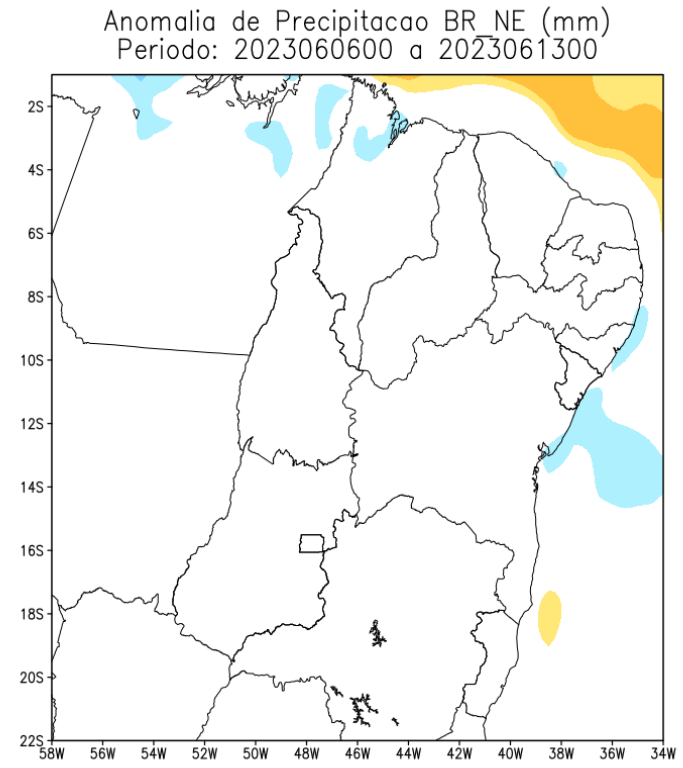
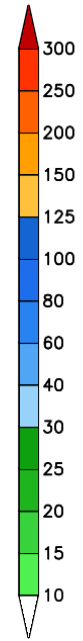
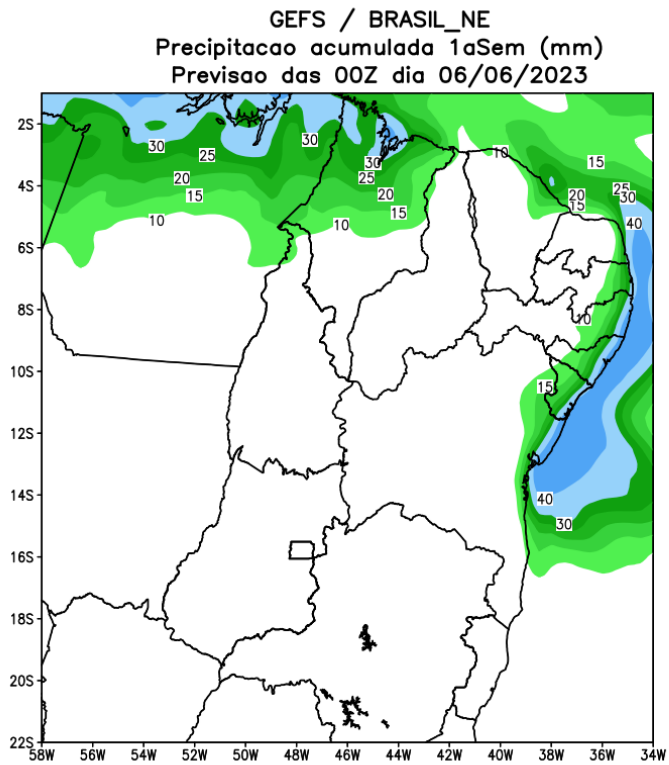


Situação meteorológica atual



Fonte: INMET

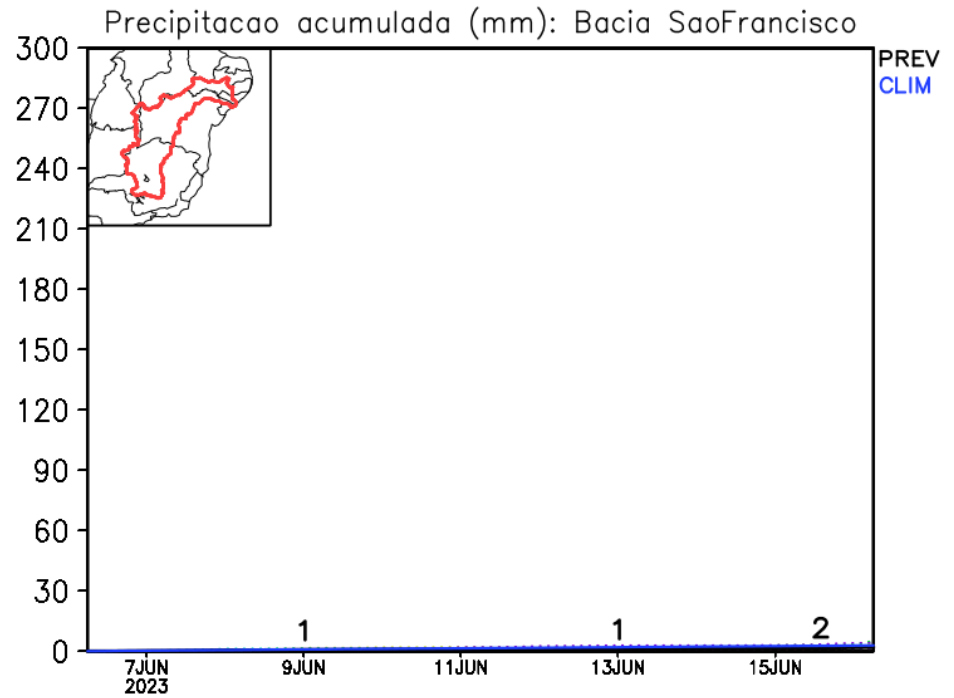
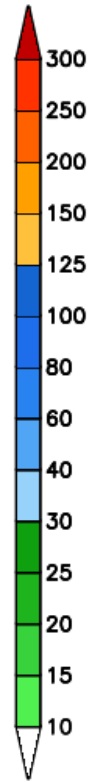
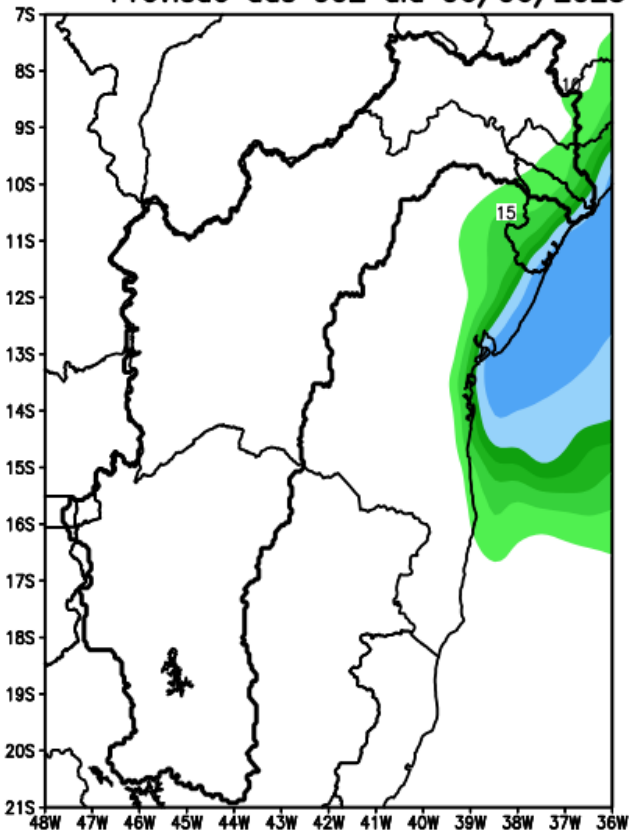
Previsão de chuva próximos 7 dias



Fonte: GEFS/NOAA

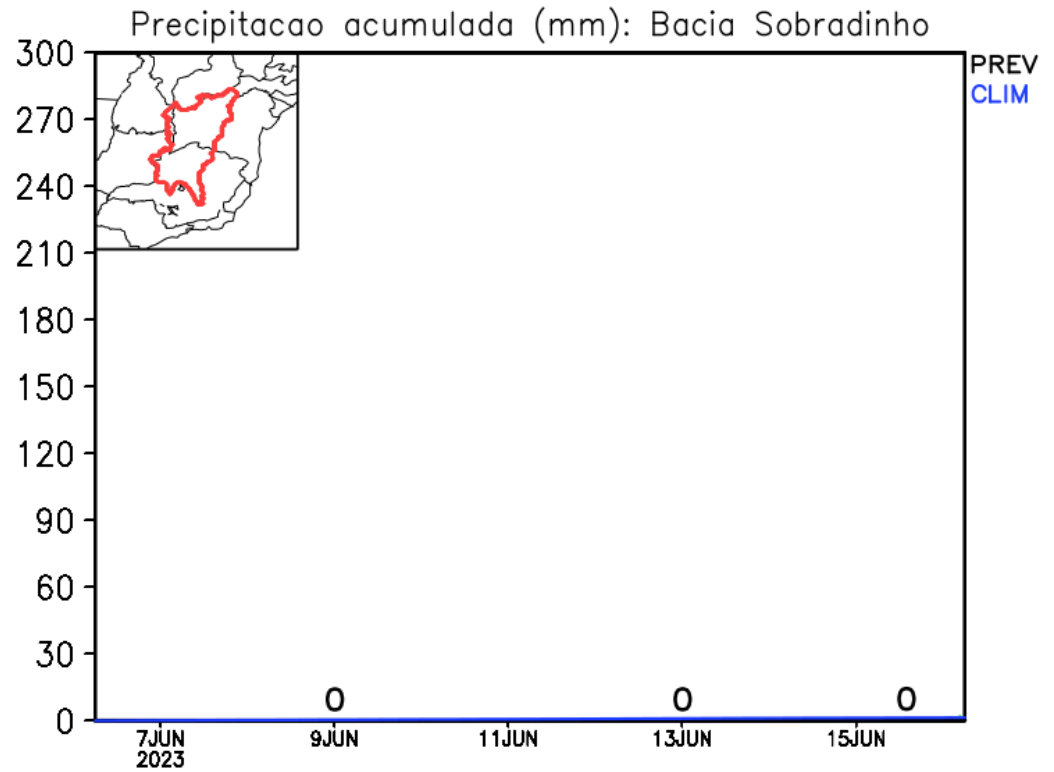
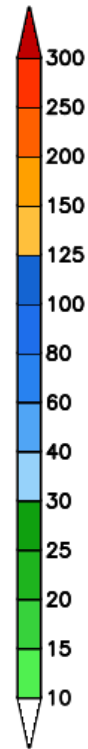
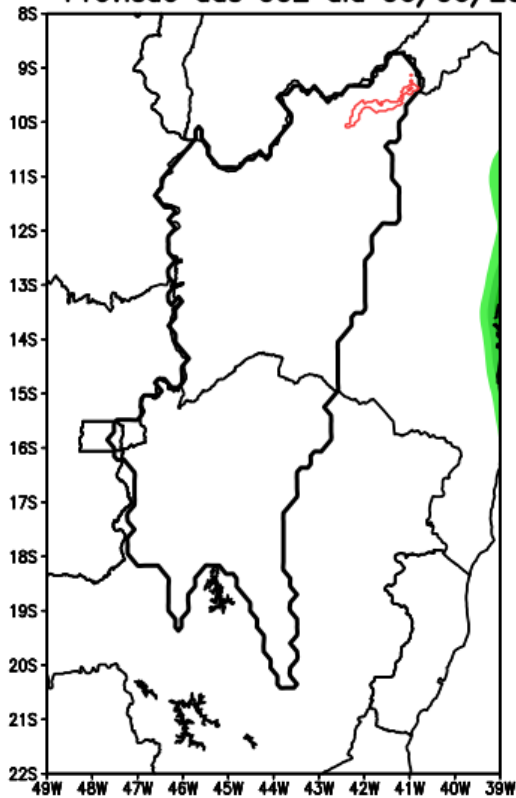
Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 06/06/2023



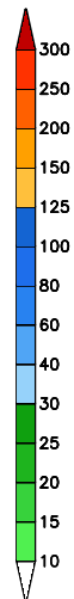
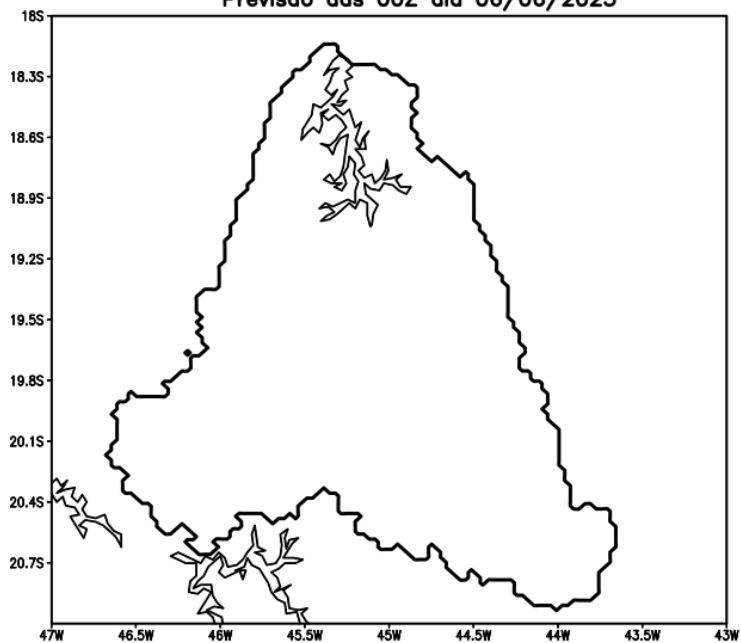
Bacia de Sobradinho

GEFS / Sobradinho
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 06/06/2023

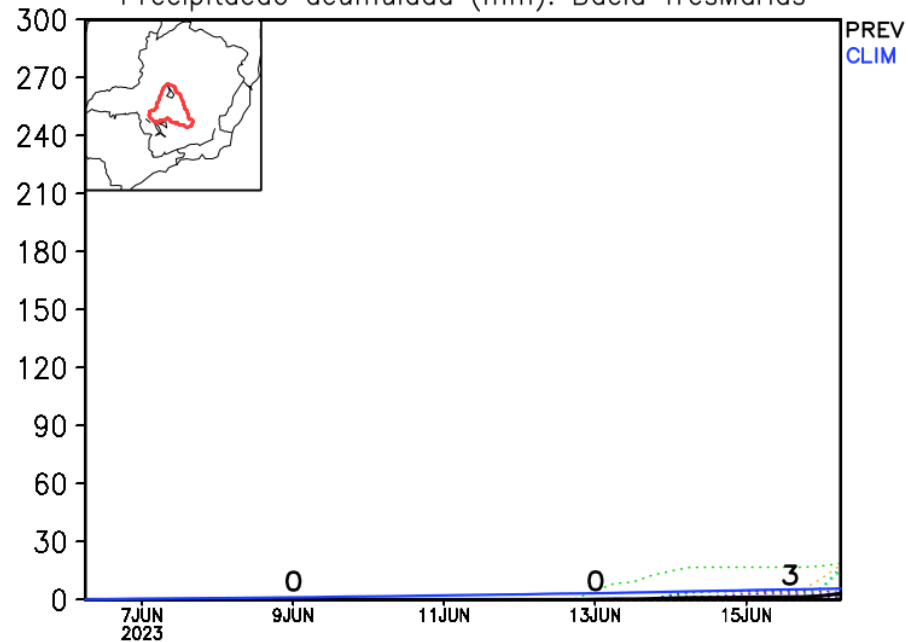


Bacia de Três Marias

GEFS / Tres Marias
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 06/06/2023

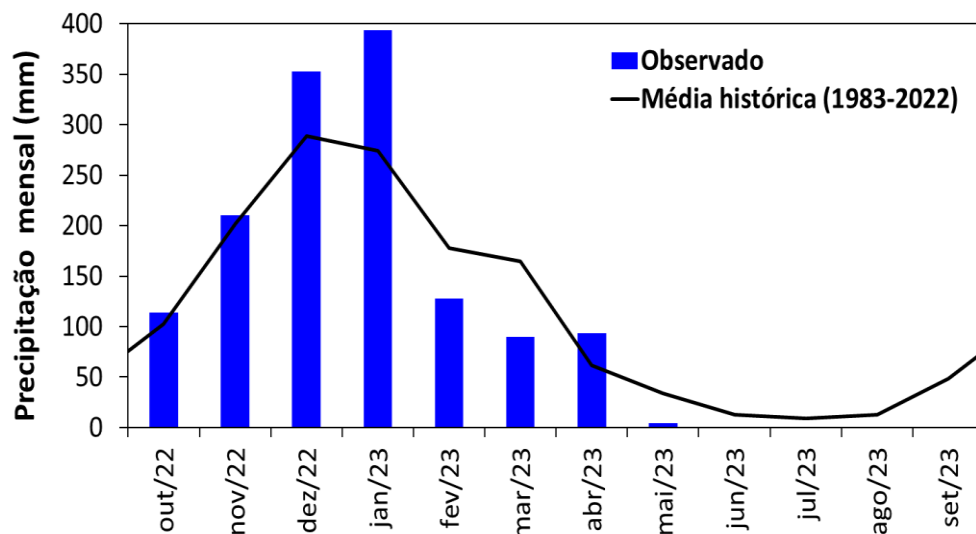


Precipitacao acumulada (mm): Bacia TresMarias



Monitoramento UHE Três Marias

Precipitação



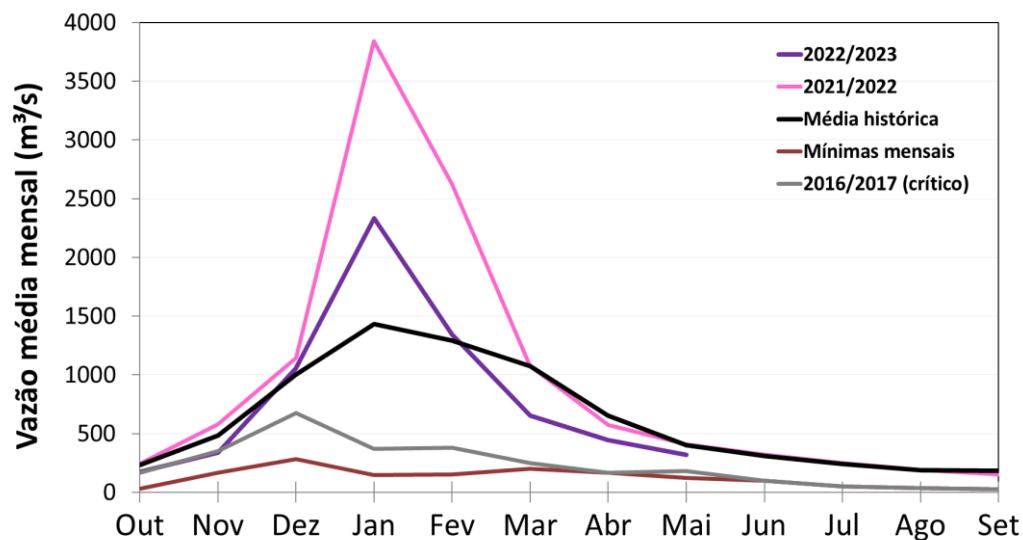
Estação Chuvosa - Out a Mar - 1209 mm
 2021/2022: 1592 mm (**132% da média histórica**)
 2022/2023: 1288 mm (**106 da media histórica**)

Estação Seca - Abr a Set – 179 mm
 2022: 116 mm (**64% da média histórica**)
 2023*: 98 mm (**163% da média histórica PARCIAL**)

Mai/23*: 5 mm (**13% da media histórica**)

*Até 31/05/2023

Vazão



Estação Chuvosa - Nov a Abr - 989 m³/s
 2021/2022: 1639 m³/s (**166% da MLT**)
 2022/2023: 1029 m³/s (**104% da MLT**)

Estação Seca - Maio a Out – 260 m³/s
 2022: 250 m³/s (**96% da MLT**)
 2023*: 321 m³/s (**123% da MLT**)

Mai/23*: 321 m³/s (**80% da MLT**)
31/Maio: 255 m³/s (**63% da MLT**)

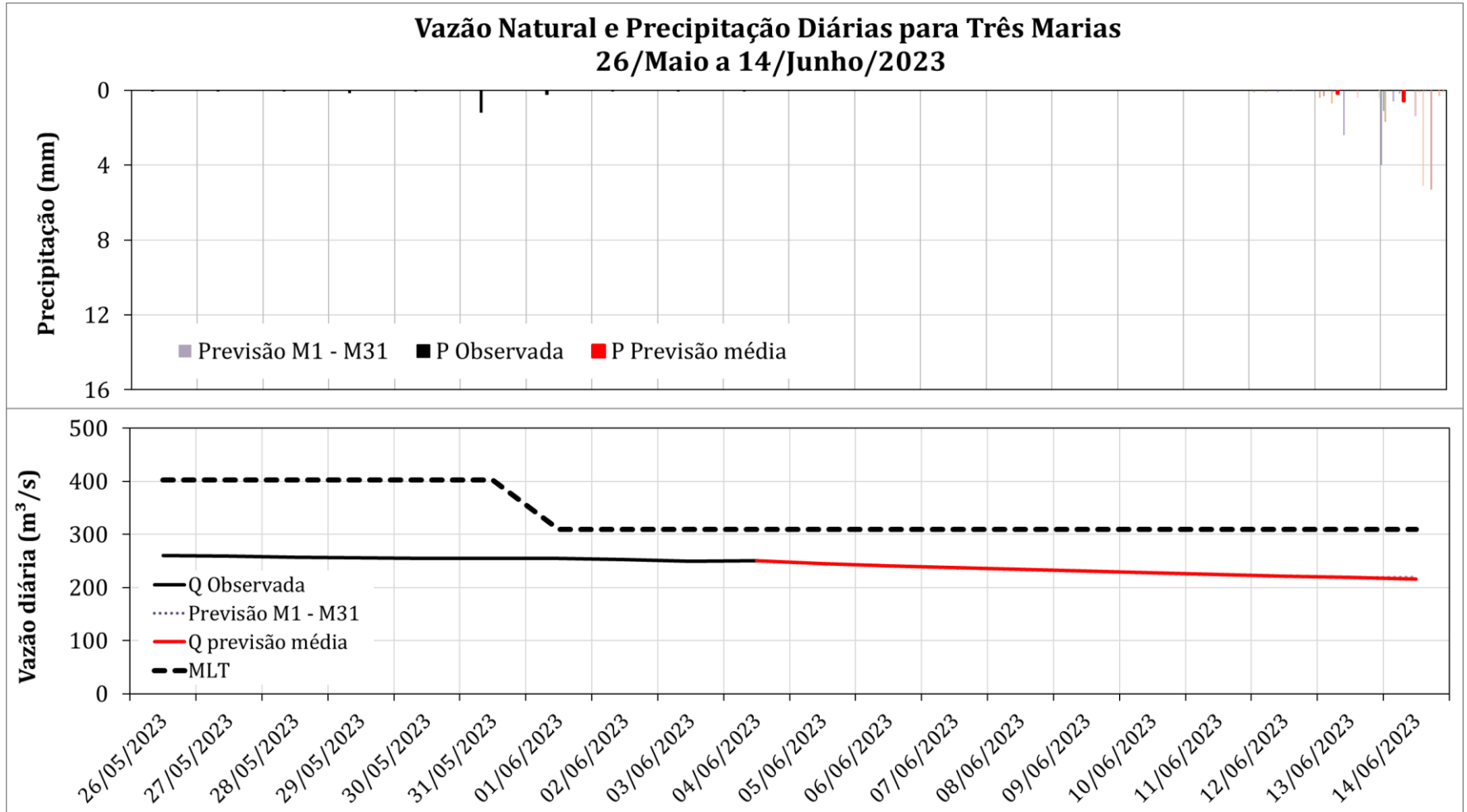
*Até 31/05/2023

MLT-Média de Longo Termo (1983-2022)

Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)

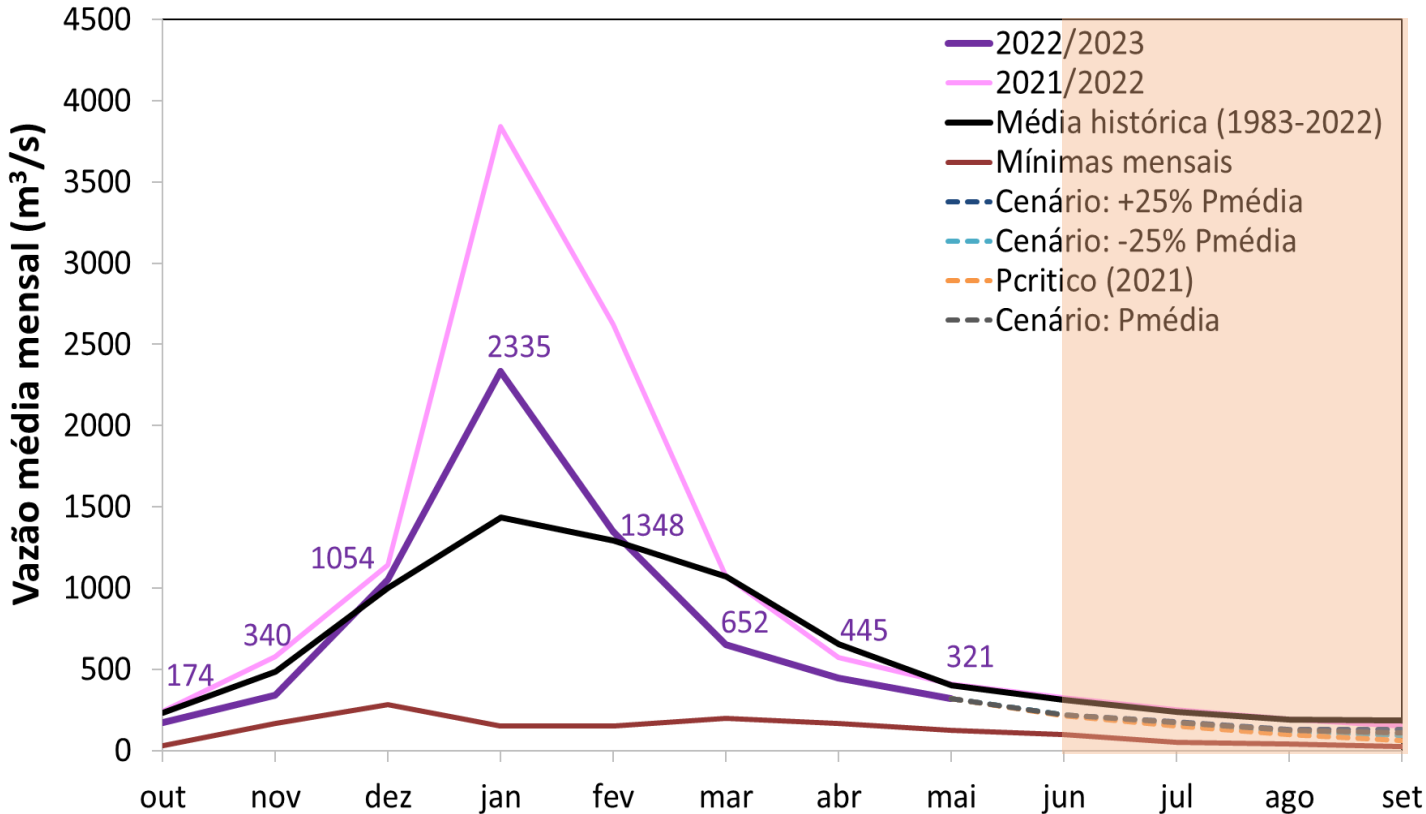


Dados **observados de precipitação** (barras pretas) para o período 26/05 a 04/06 e **previsão** para o período de 05 a 14/06
Dados **observados de vazão** (linha preta) para o período 26/05 a 04/06/ e **previsão** para o período de 05 a 14/06
As barras coloridas correspondem às previsões da chuva para 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: 230 m³/s
Valor inferior a MLT de Junho (310 m³/s)

UHE Três Marias: Projeções de Vazão (modelo PDM/CEMADEN)

Previsão: 05 a 14/Jun- Projeções: 15/Jun a 30/Set/23



Junho-Setembro
MLT: 232 m³/s

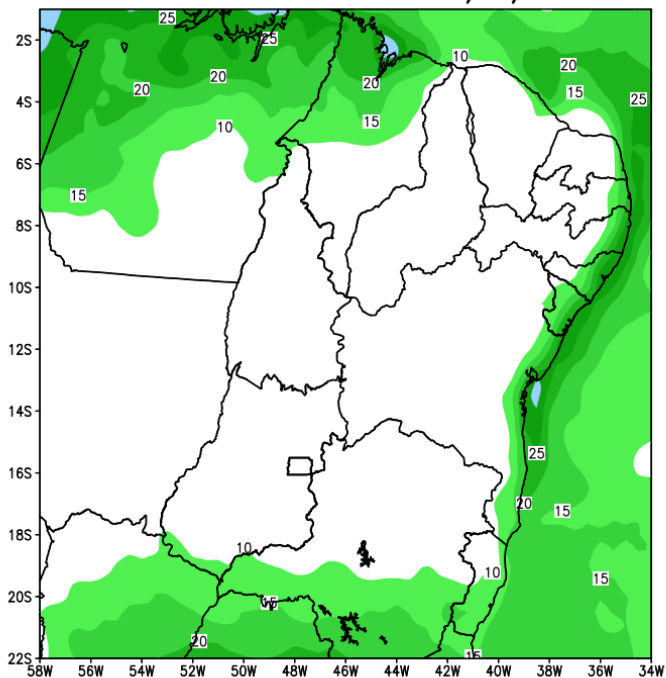
Vazão	% MLT
165 m³/s	71%
155 m³/s	67%
146 m³/s	63%
130 m³/s	56%

Jun a Set/2022 = 229 m³/s (98% da MLT)

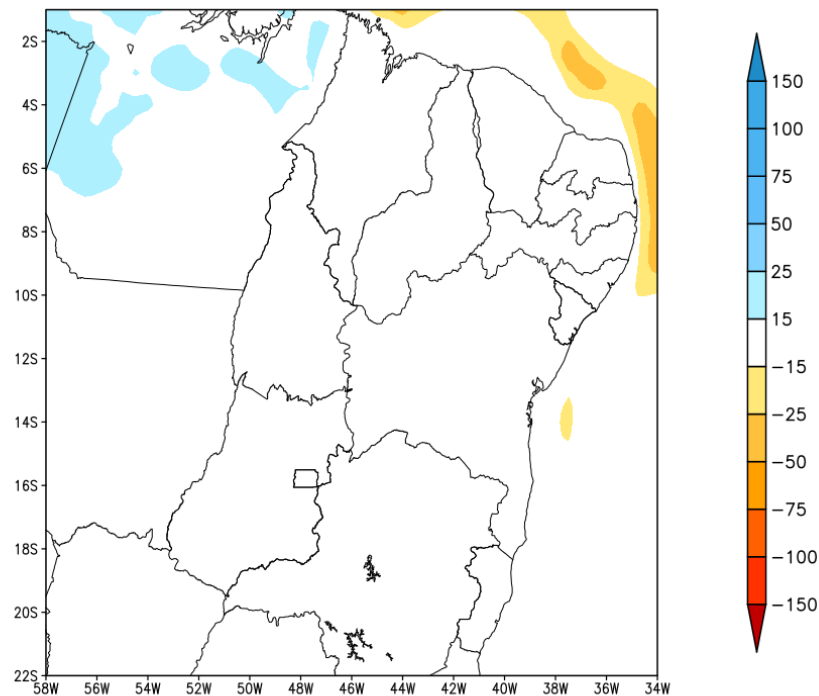
Para todos os cenários, o modelo hidrológico indica uma condição de vazão média inferior em relação a 2022

Tendência para a 2a semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 06/06/2023



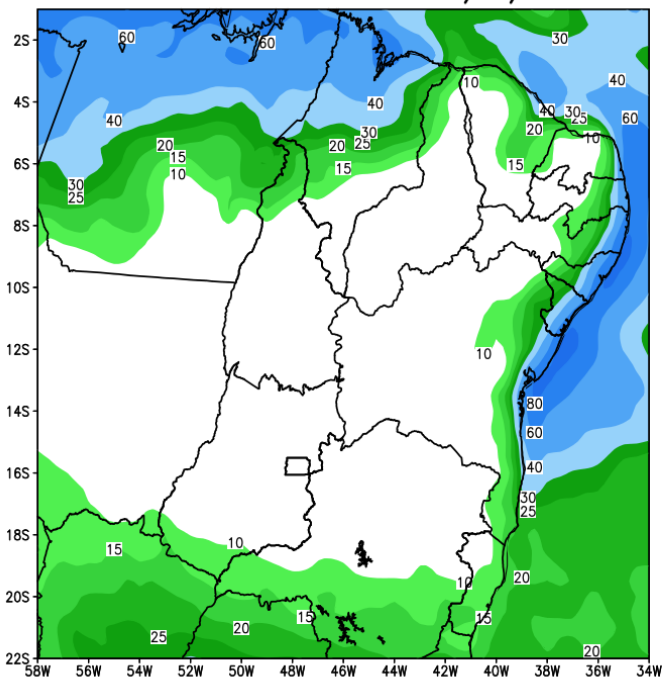
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023061400 a 2023062000



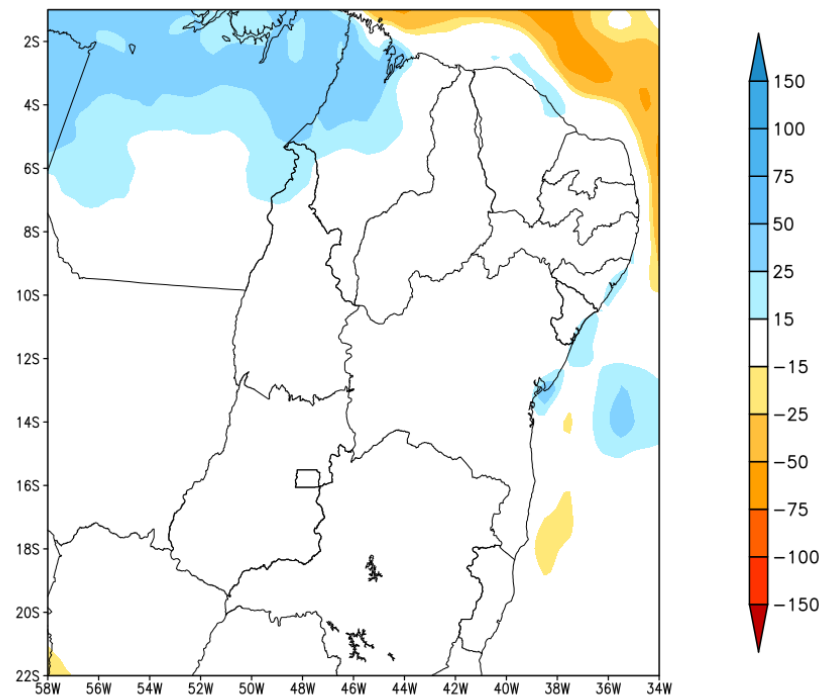
Modelo GFS/NOAA

Tendência para as duas próximas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 06/06/2023

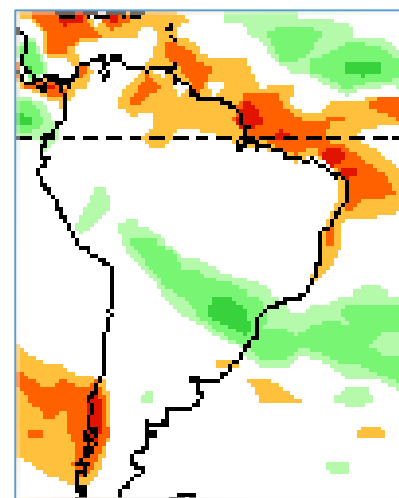
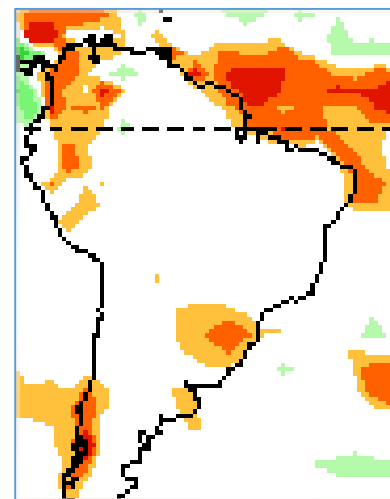
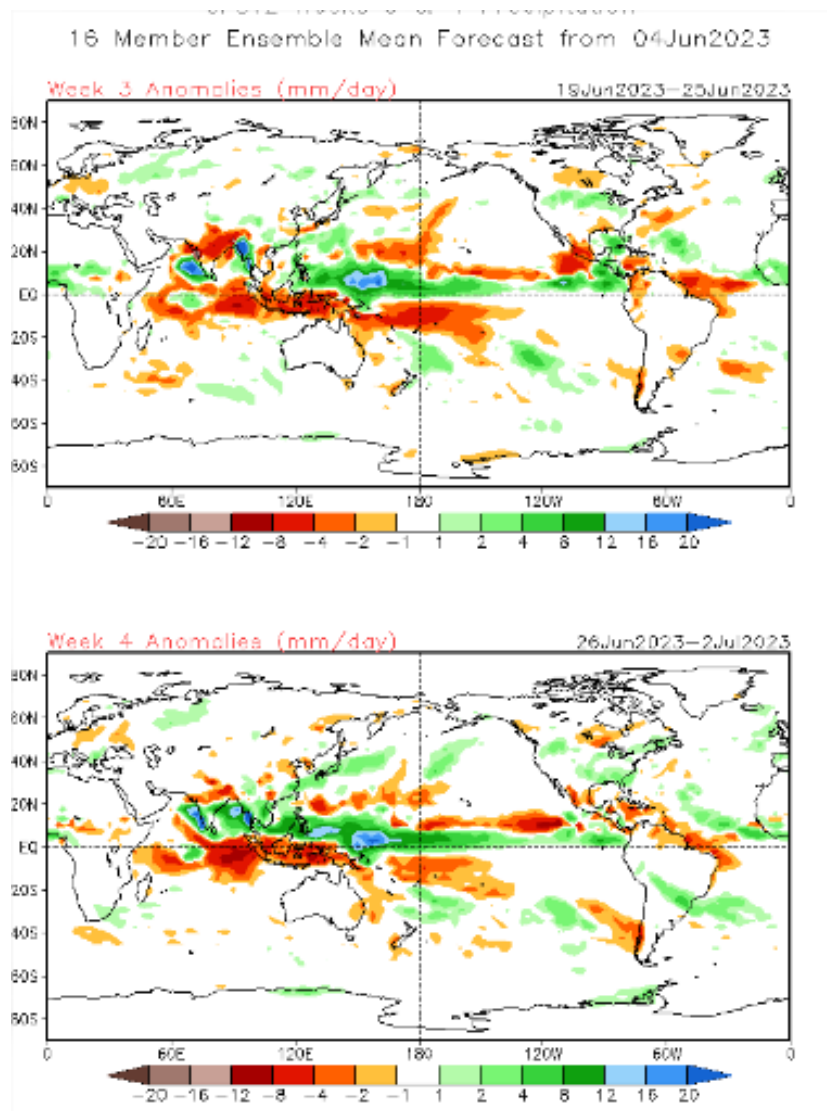


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023060600 a 2023062000



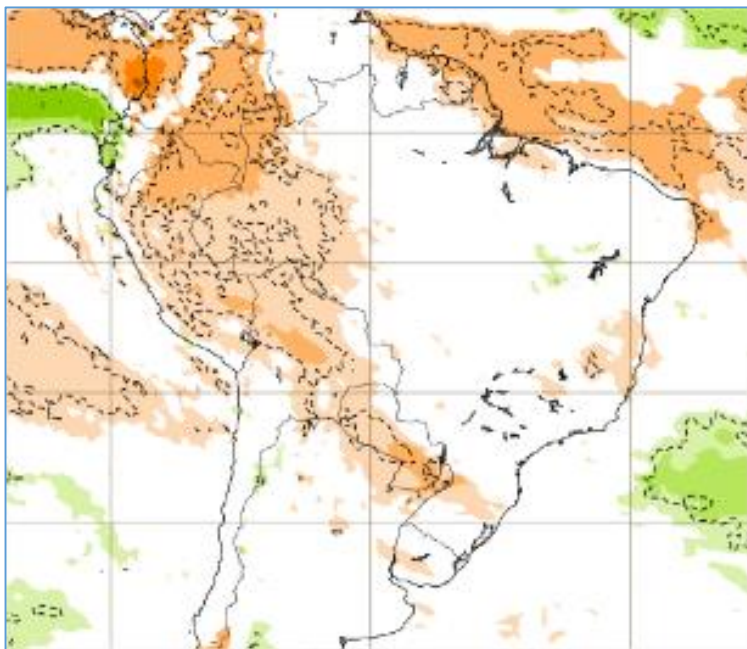
Modelo GFS/NOAA

Tendência 3a e 4a semanas

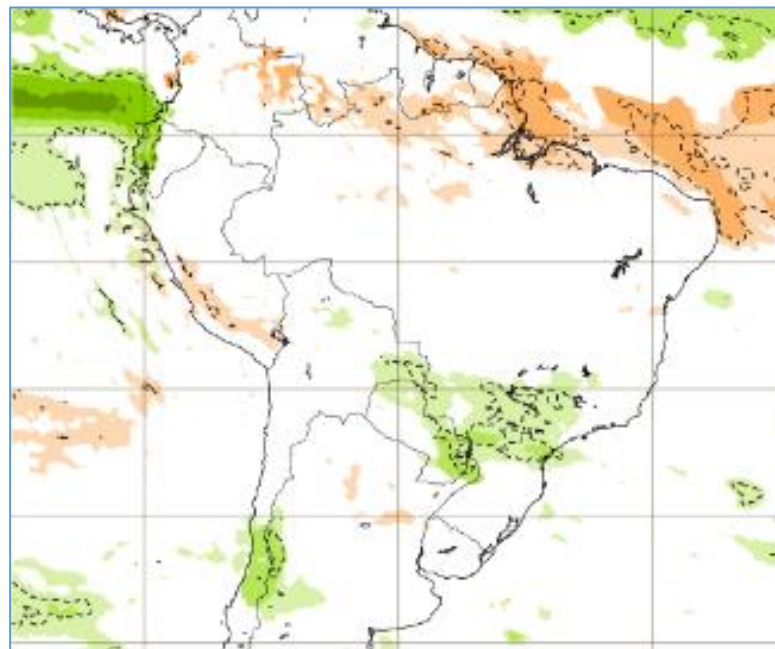


Tendência para 3ª e 4ª semanas

19-25/06

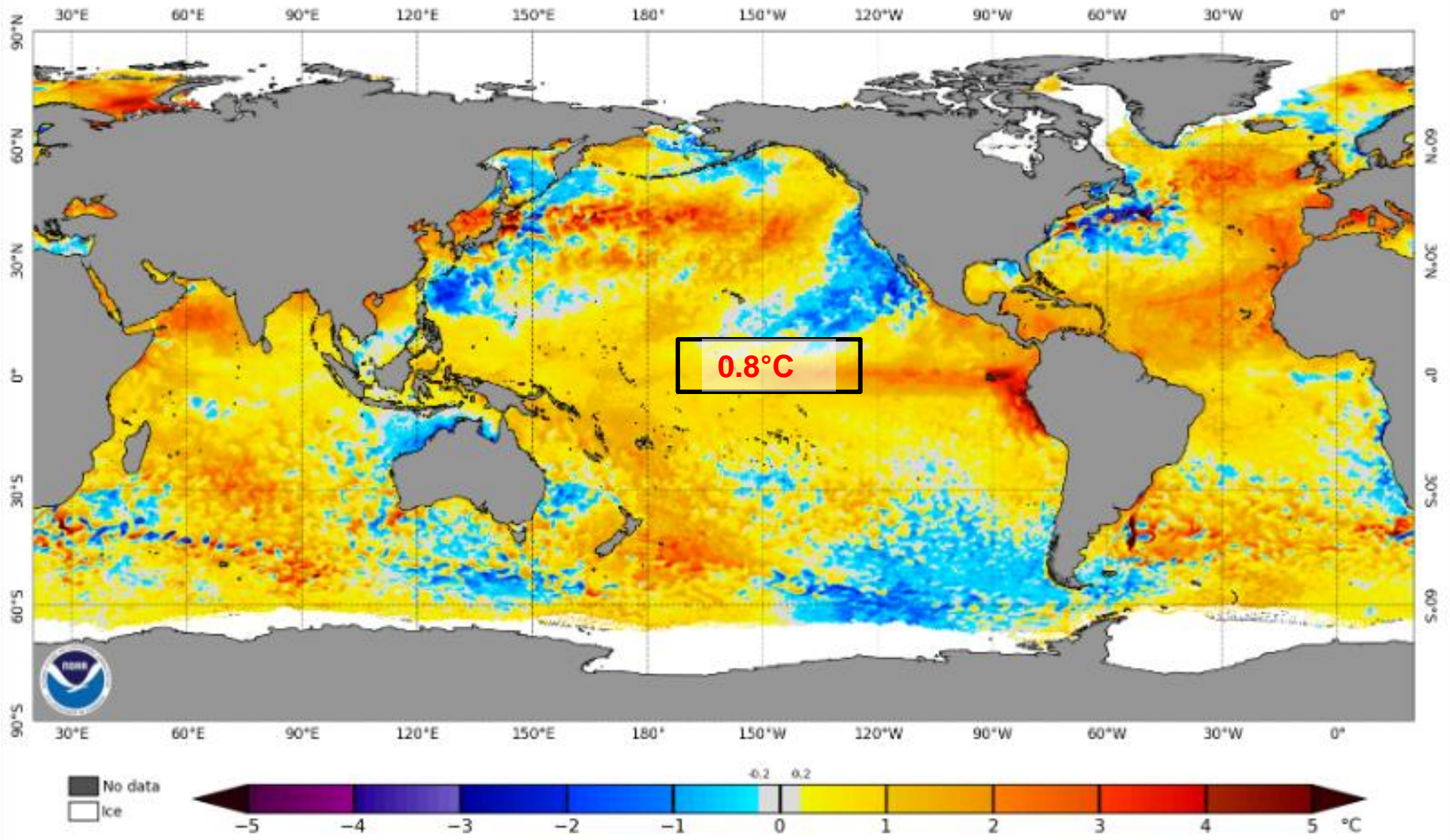


26/06 - 03/07

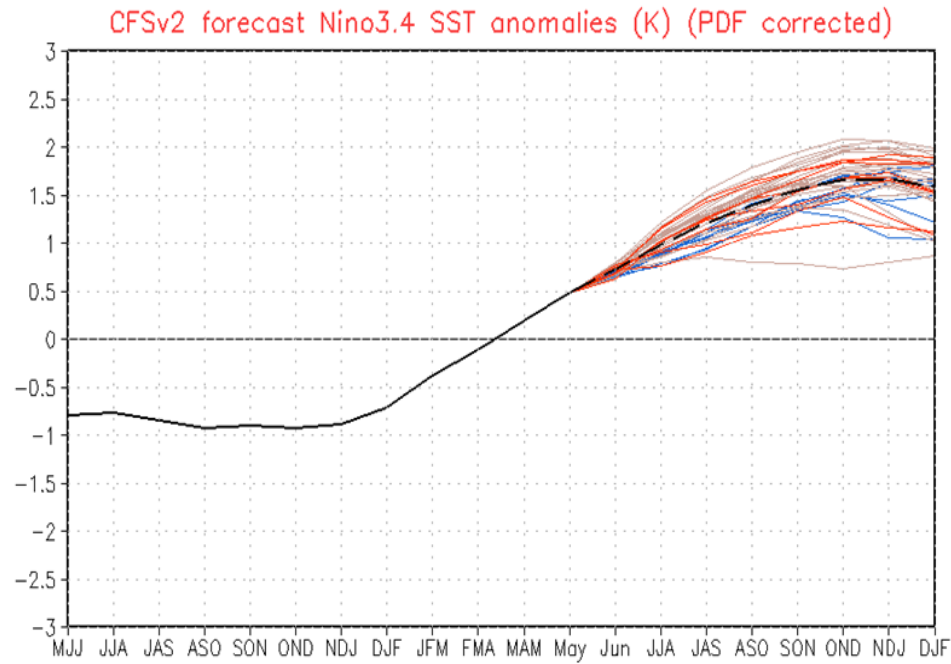
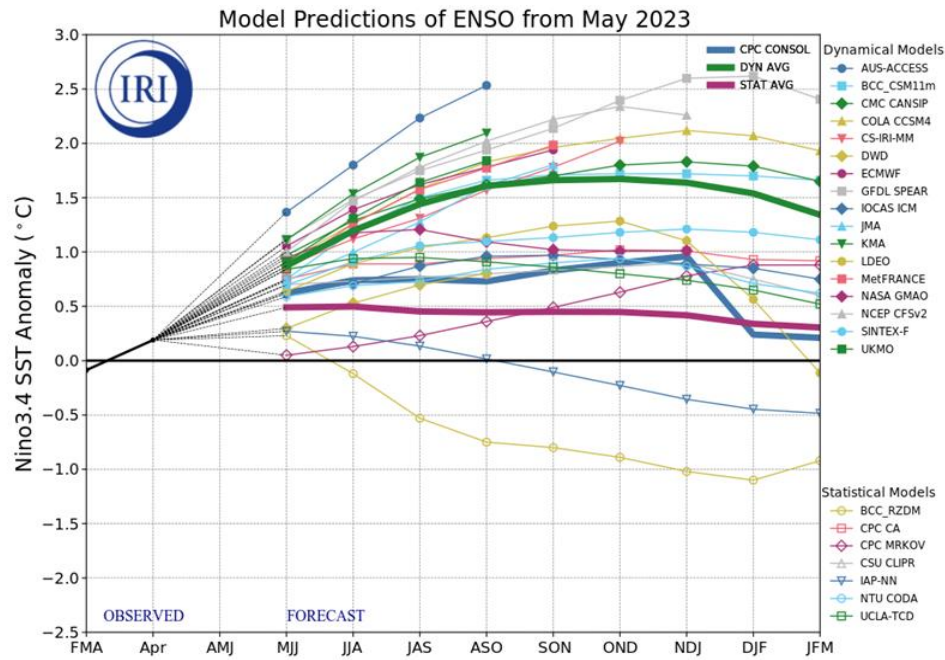


Status Atual: Neutralidade

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 4 Jun 2023



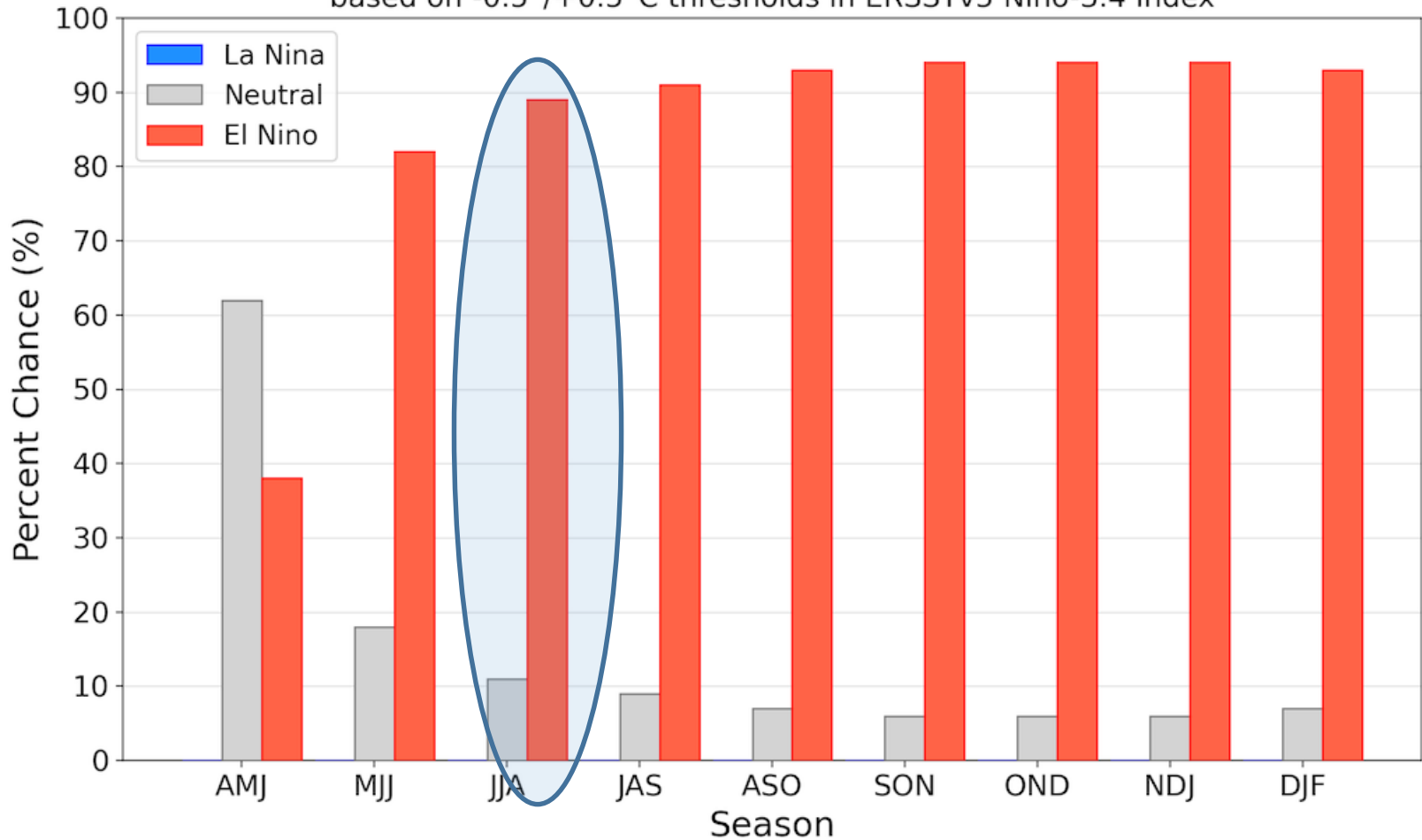
Previsão do “ENSO”



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued May 2023)

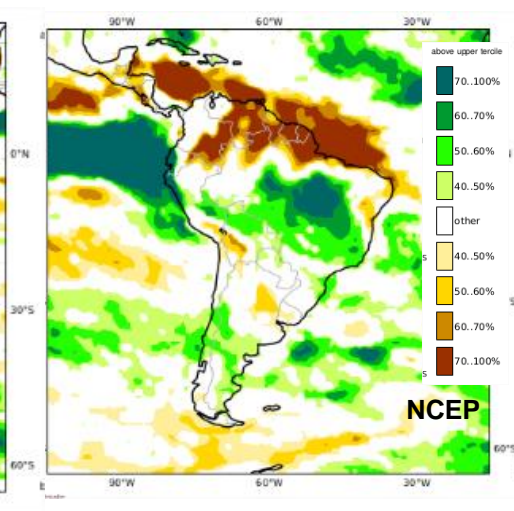
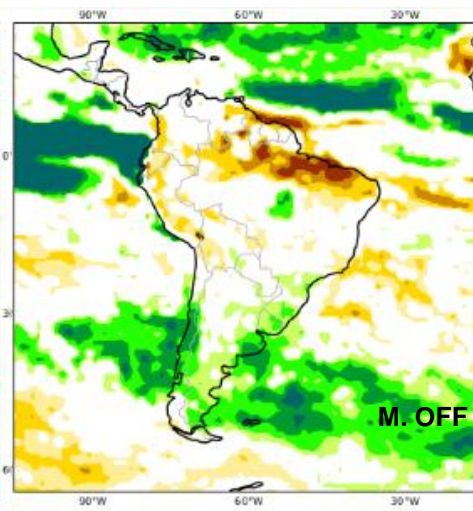
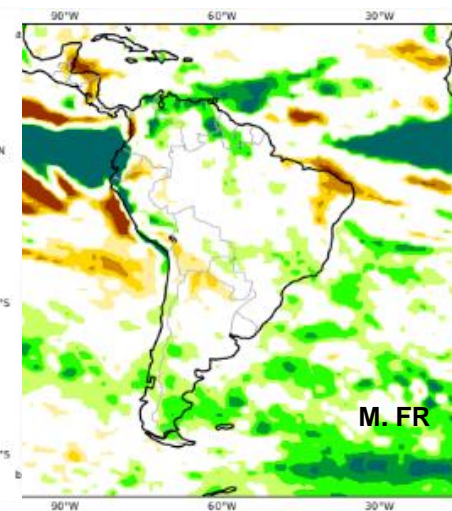
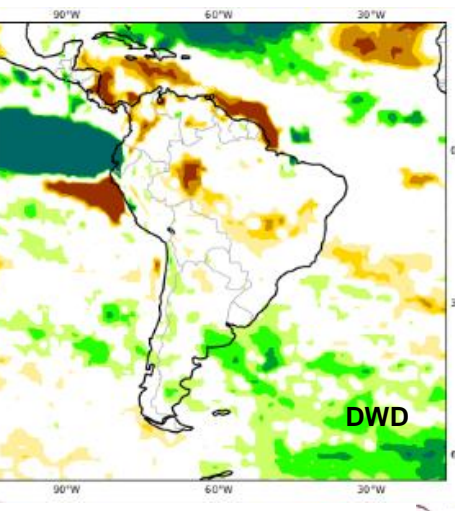
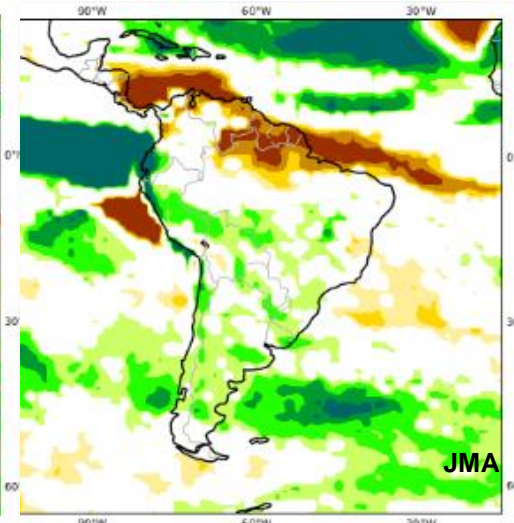
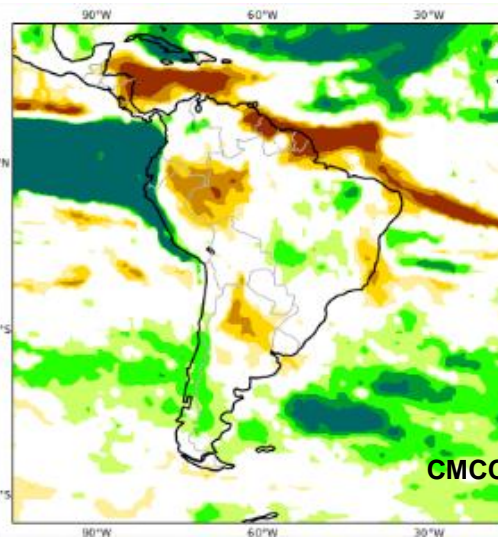
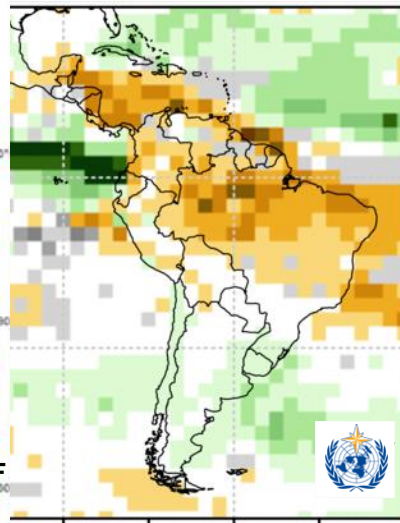
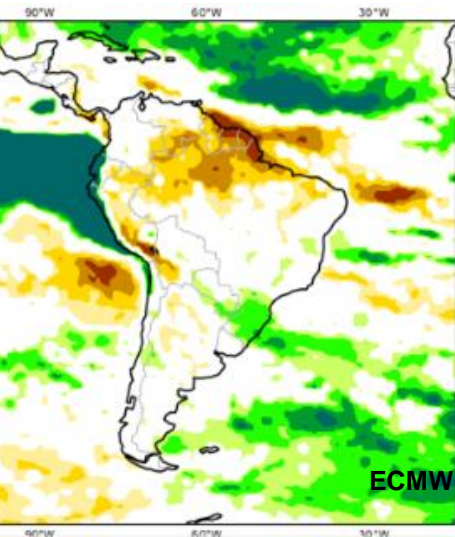
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Status Atual: **Neutralidade**

FONTE: NOAA

Previsão sazonal de Chuva JJA



Previsão Multi Modelo JJA

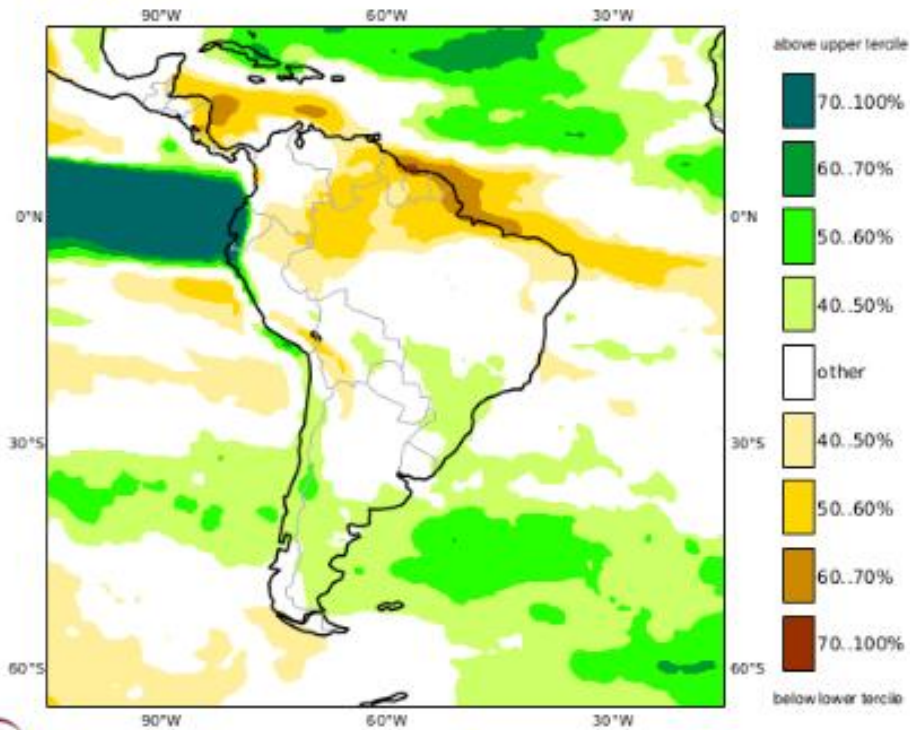
C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/23

Unweighted mean

JJA 2023



NMME Precipitation Anomalies (mm/day)

Jun2023-Aug2023

May2023 initial conditions

