

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

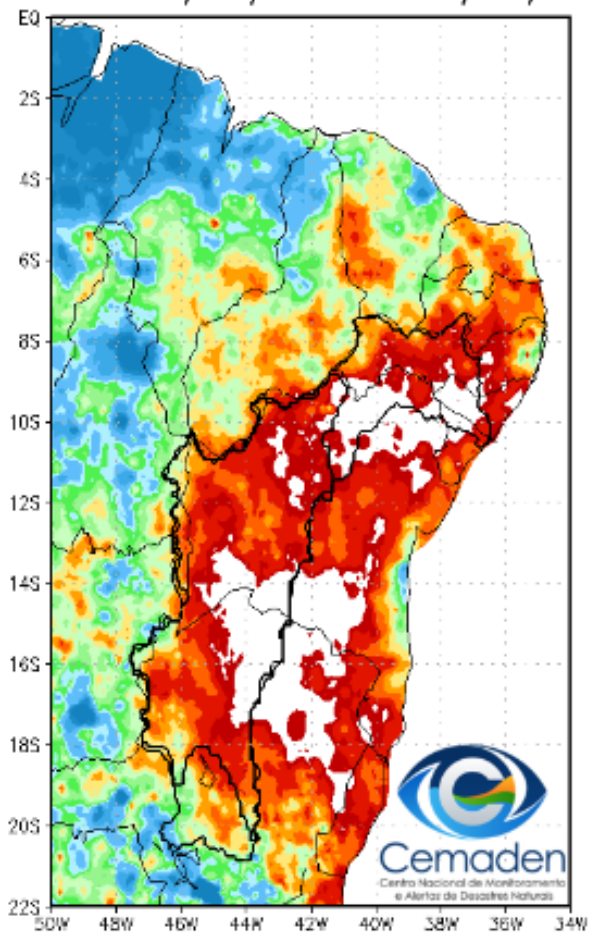


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

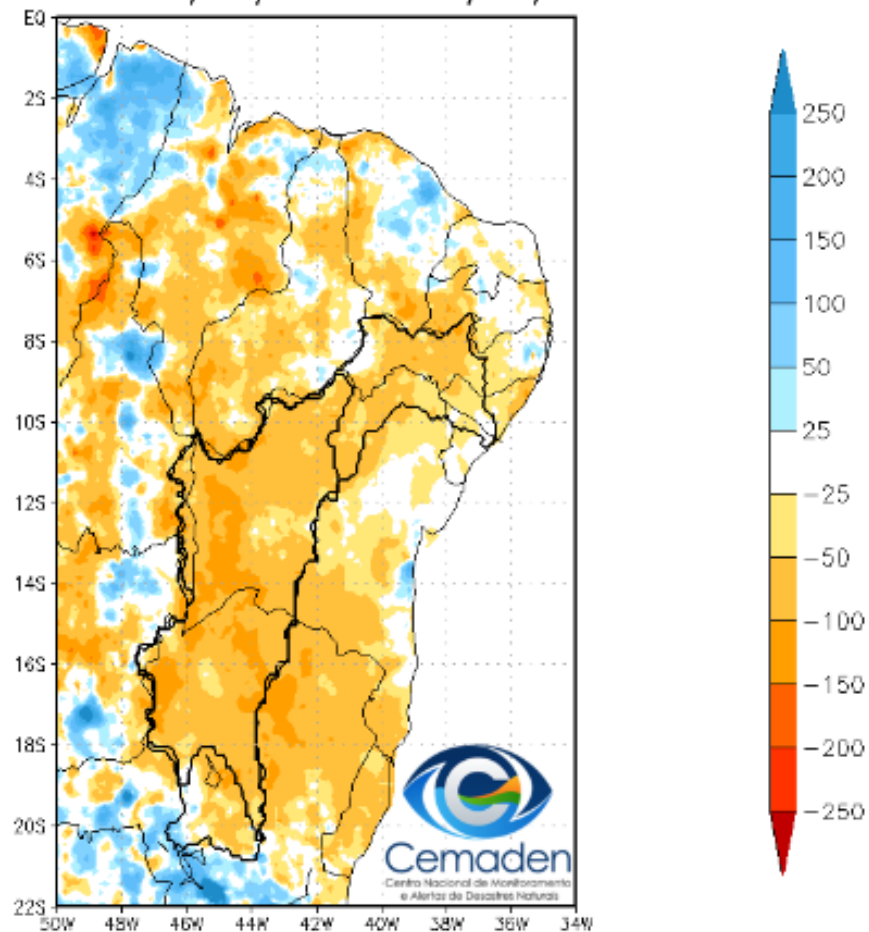
07 de Março de 2023

Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 04/02/2023 a 06/03/2023

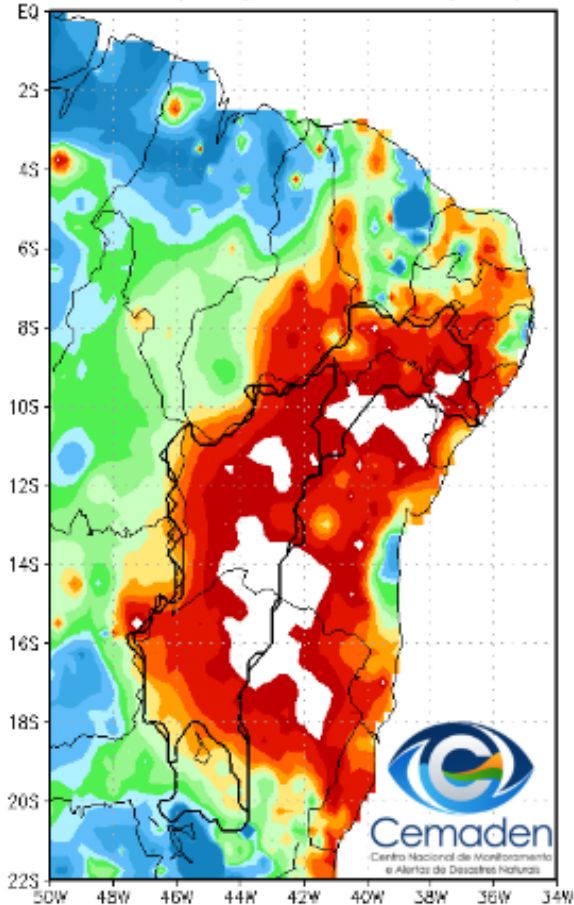


Anomalia de Precipitacao (mm) A.S.
Período: 04/02/2023 a 06/03/2023

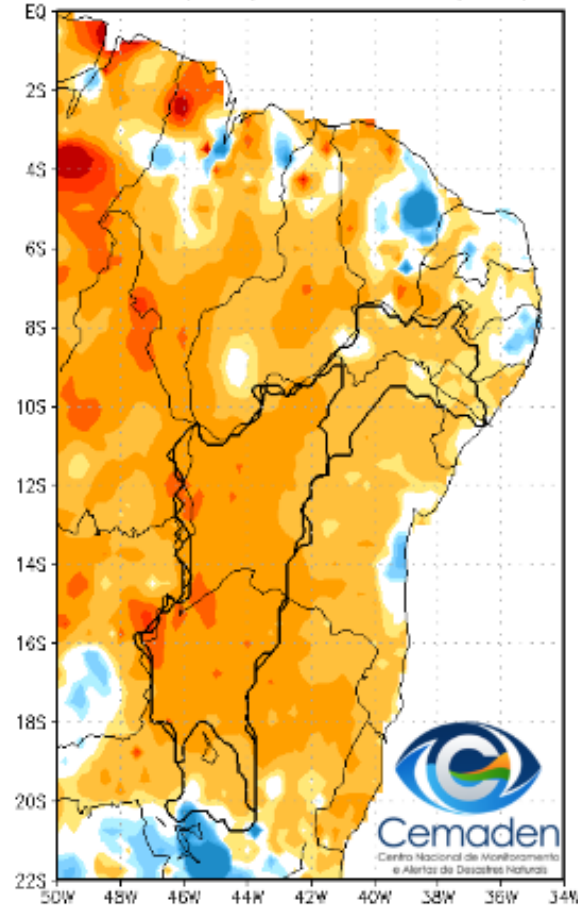


Chuva no ano hidrológico

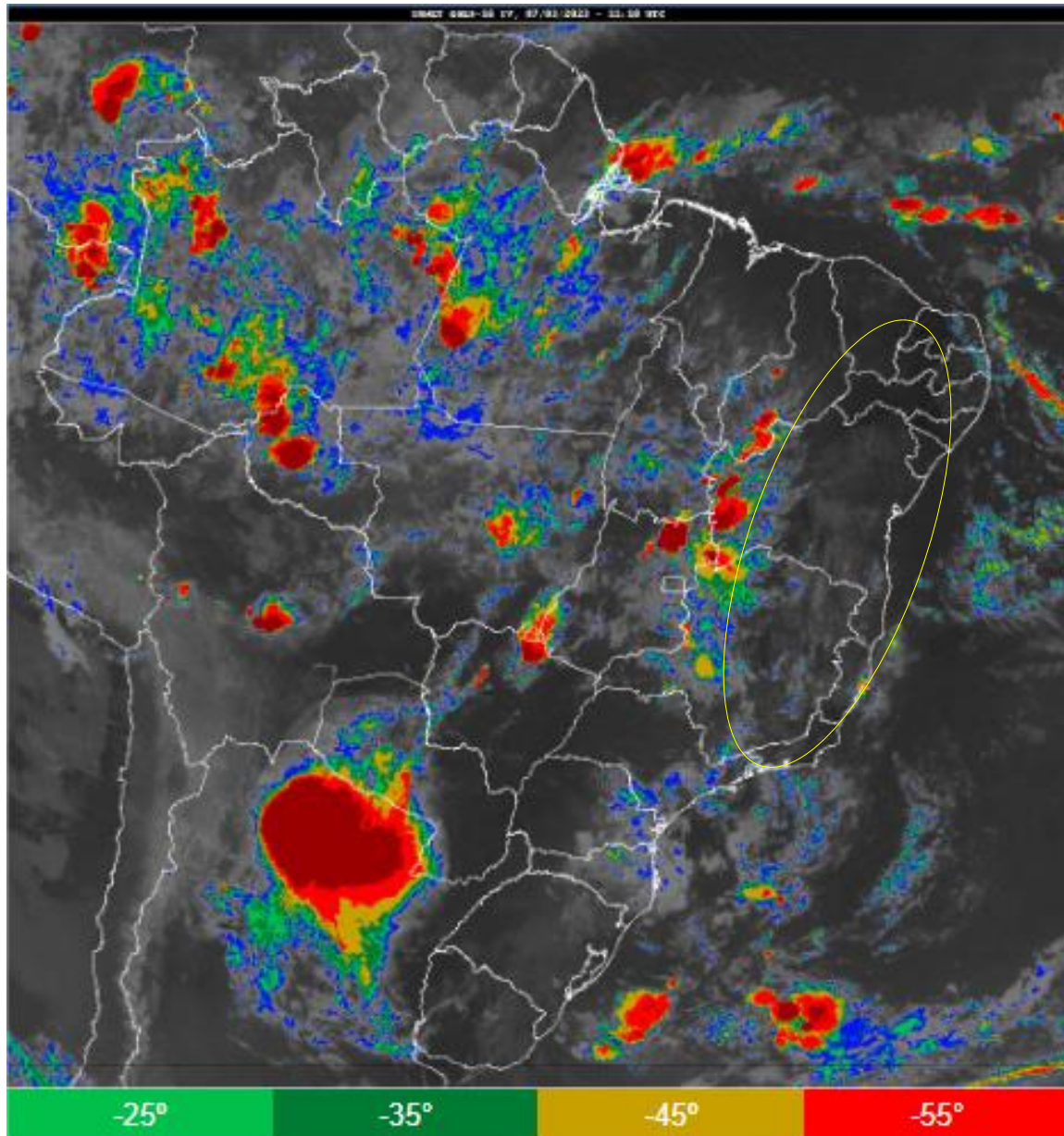
Precipitacao Acumulada (mm) A.S.
Período: 04/02/2023 a 06/03/2023



Anomalia de Precipitacao (mm) A.S.
Período: 04/02/2023 a 06/03/2023



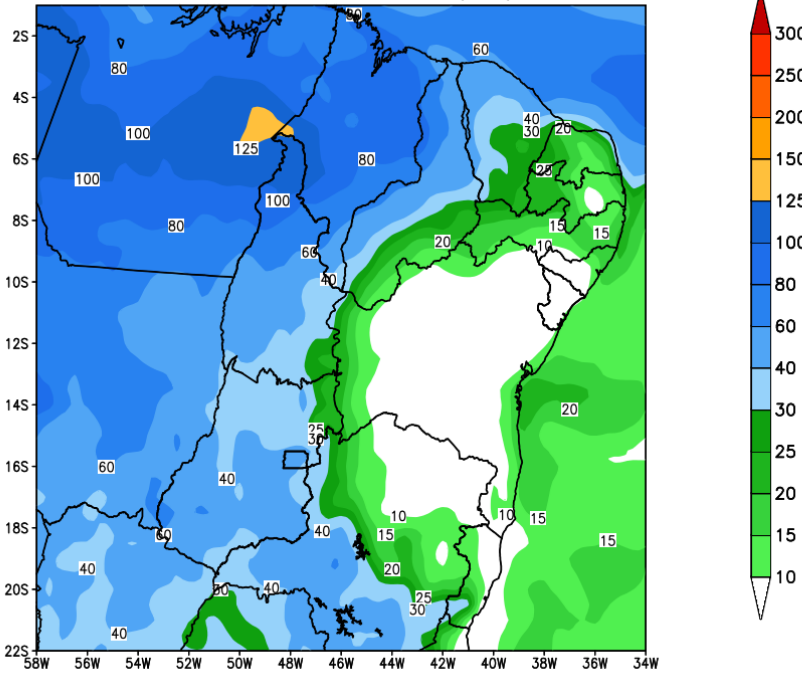
Situação meteorológica atual



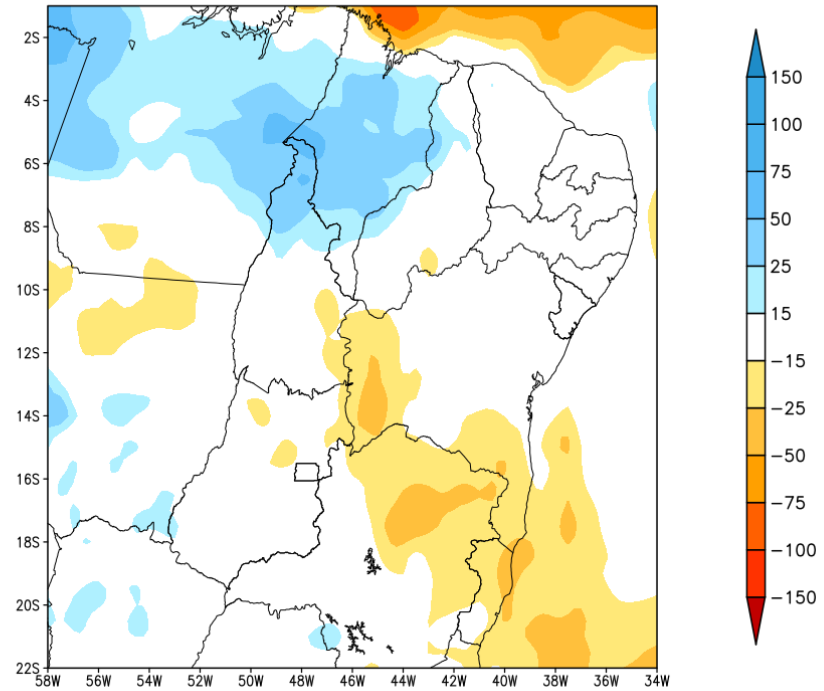
Fonte: INMET

Previsão de chuva próximos 7 dias

GEFS / BRASIL_NE
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 07/03/2023



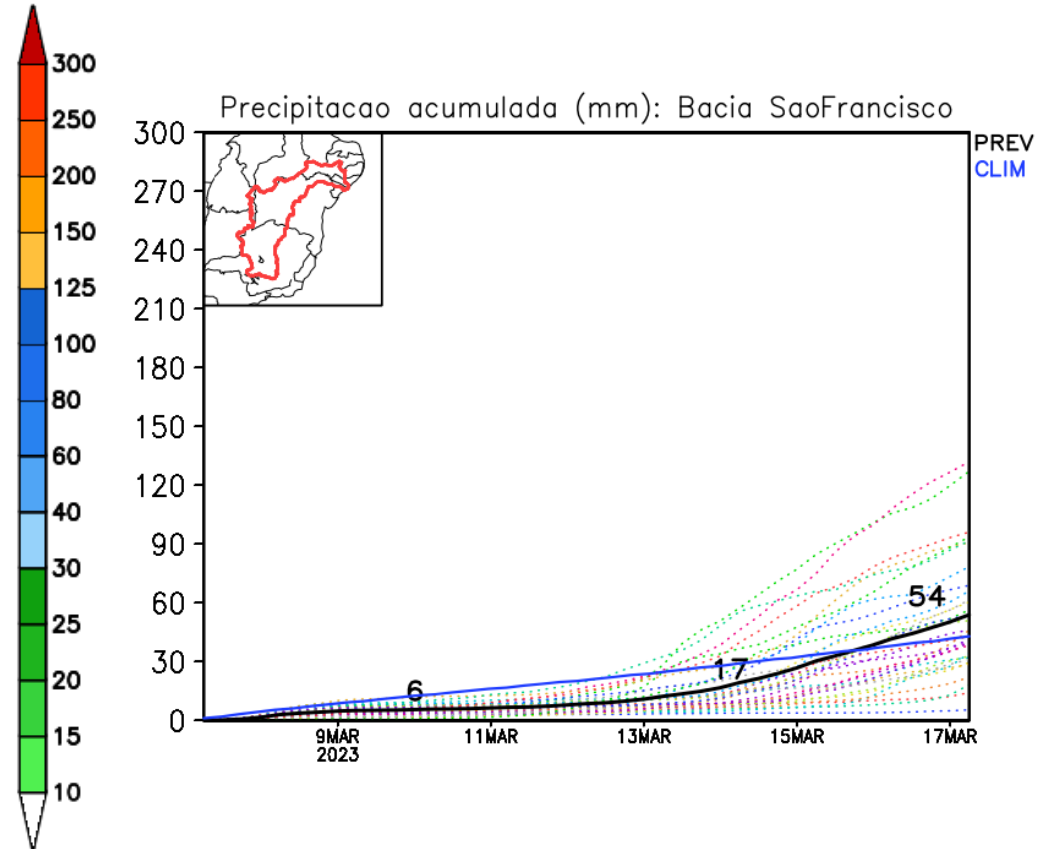
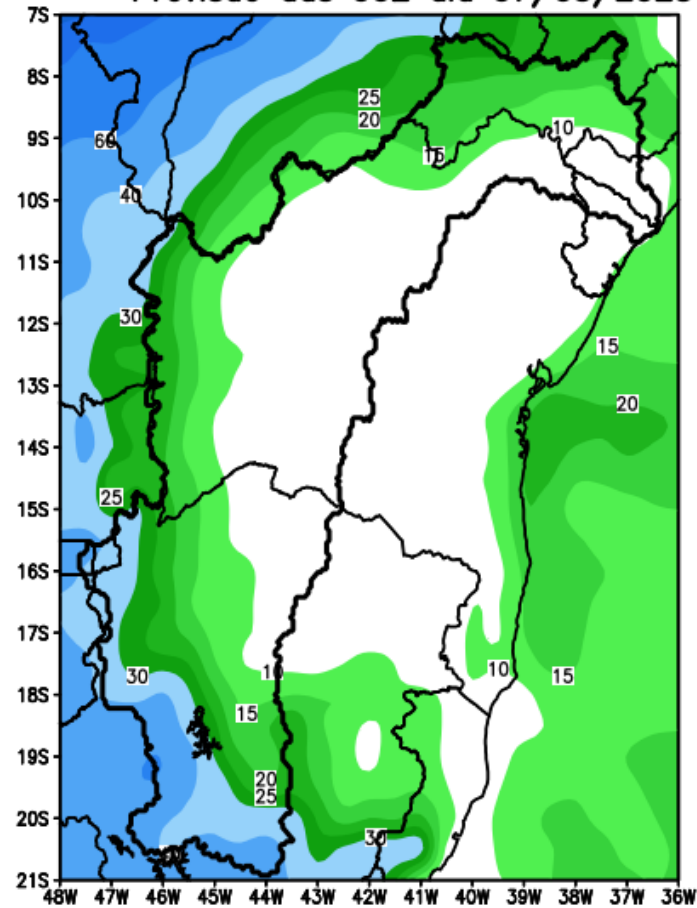
Anomalia de Precipitacao BR NE (mm)
Periodo: 2023030700 a 2023031400



Fonte: GEFS/NOAA

Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 07/03/2023

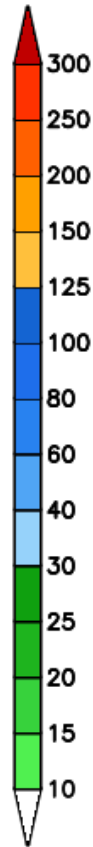
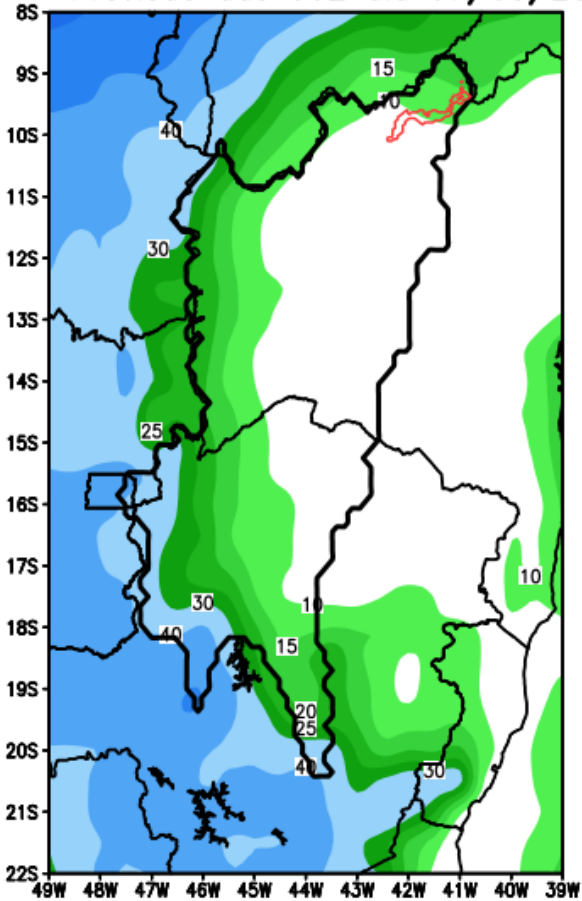


Bacia de Sobradinho

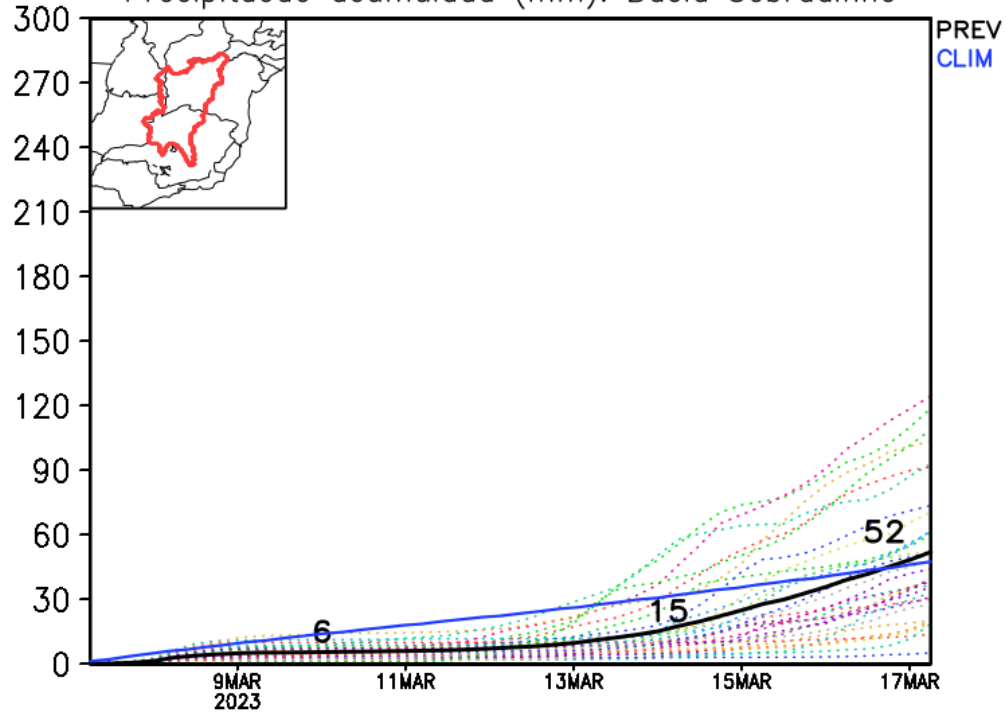
GEFS / Sobradinho

Precipitacao acumulada em 7 dias (mm)

Previsao das 00Z dia 07/03/2023

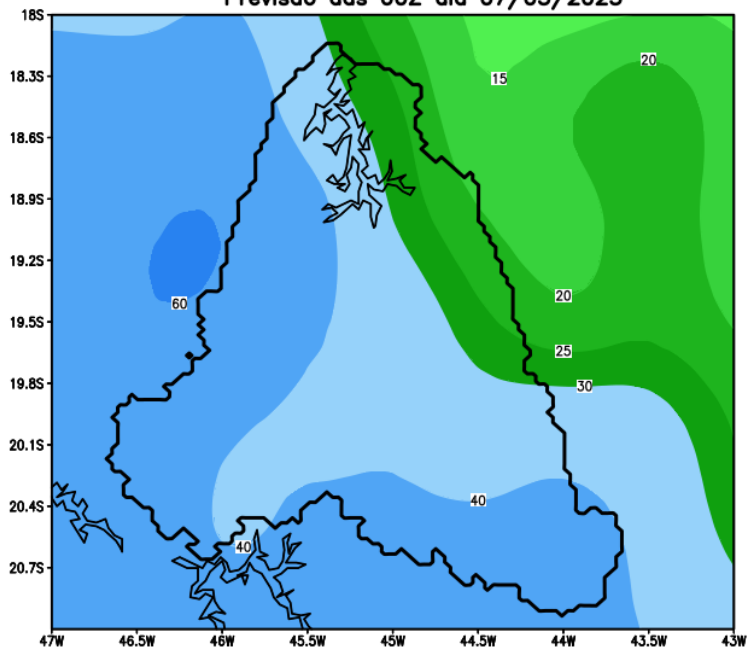


Precipitacao acumulada (mm): Bacia Sobradinho

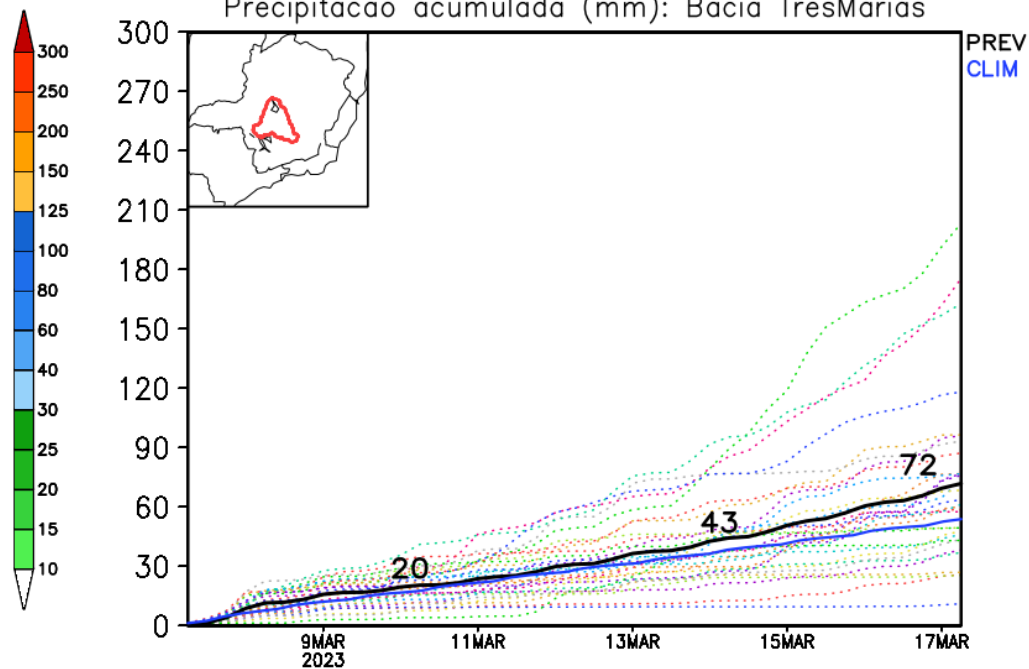


Bacia de Três Marias

GEFS / Tres Marias
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 07/03/2023

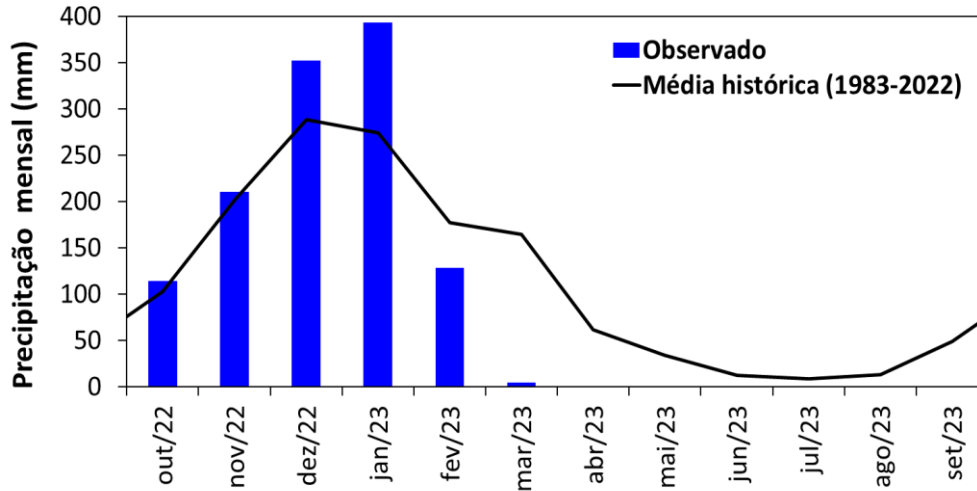


Precipitacao acumulada (mm): Bacia TresMarias



Monitoramento UHE Três Marias

Precipitação



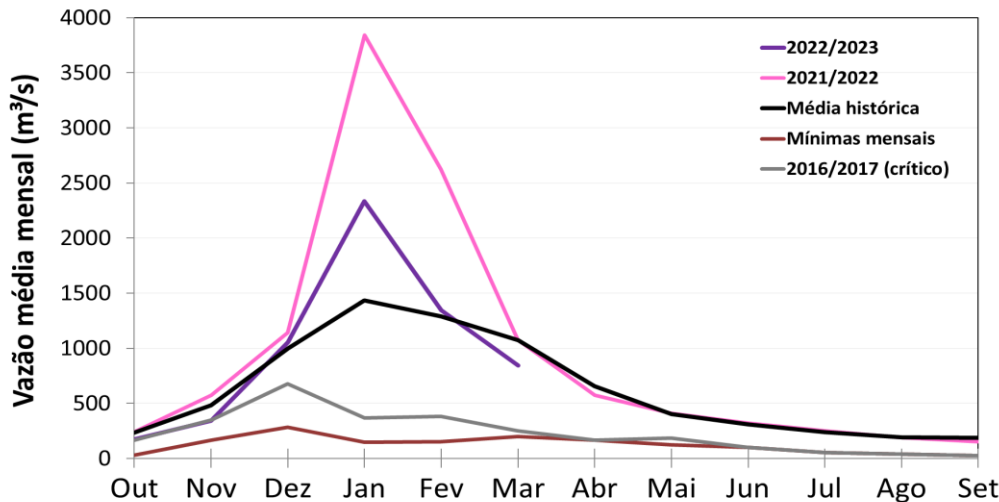
Estação Chuvosa - Out a Mar - 1209 mm
 2021/2022: 1592 mm (**132% da média histórica**)
 2022/2023*: 1202 mm (**99,5% da média histórica**)

Estação Seca - Abr a Set – 179 mm
 2021: 34 mm (**19% da média histórica**)
 2022: 116 mm (**64% da média histórica**)

Fev/23: 128 mm (72% da média histórica)
Mar/23*: 4,4 mm (16% da média histórica)
histórica PARCIAL)

*Até 05/03/2023

Vazão



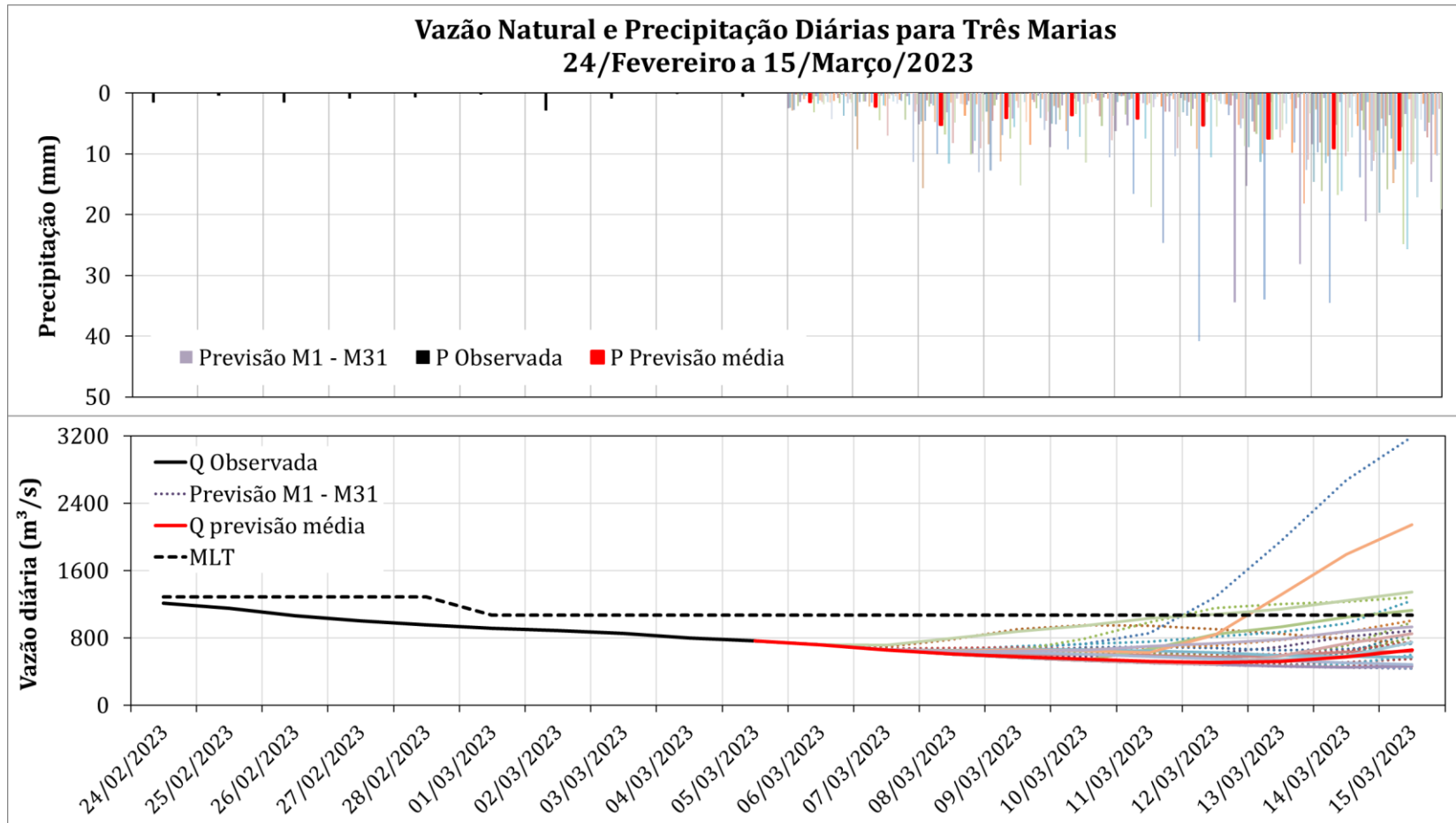
Estação Chuvosa - Nov a Abr - 989 m³/s
 2021/2022: 1639 m³/s (**166% da MLT**)
 2022/2023*: 1184 m³/s (**120% da MLT**)

Estação Seca - Maio a Out – 260 m³/s
 2021: 136 m³/s (**52% da MLT**)
 2022*: 250 m³/s (**96% da MLT**)

Fev/23: 1347 m³/s (104% da MLT)
Mar/23*: 844 m³/s (79% da MLT)

*Até 05/03/2023

UHE Três Marias: Previsão de Vazão (modelo PDM)



Dados **observados de precipitação** (barras pretas) para o período 24/02 a 05/03 e **previsão** para o período de 06 a 15/03
Dados **observados de vazão** (linha preta) para o período 24/02 a 05/03 e **previsão** para o período de 06 a 15/03

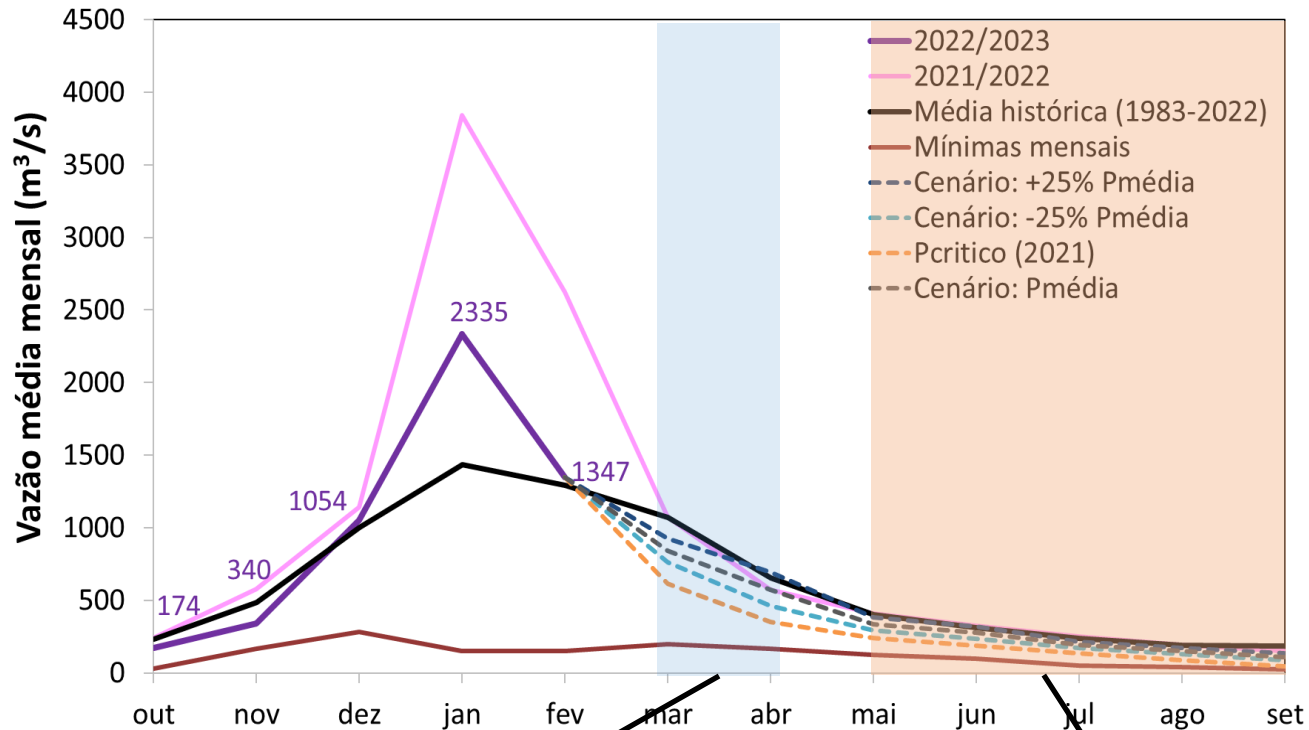
As barras coloridas correspondem às previsões da chuva para os 31 membros GEFS/NOAA e à média destes membros.

As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 590 m³/s
(Valor inferior a MLT de MARÇO (1072 m³/s))

UHE Três Marias: Projeções de Vazão (modelo PDM)

Previsão: 06 a 15/Mar- Projeções: 16/Mar a 30/Set/23



Mar-Abr (Meses chuvosos)

MLT: **863 m³/s**

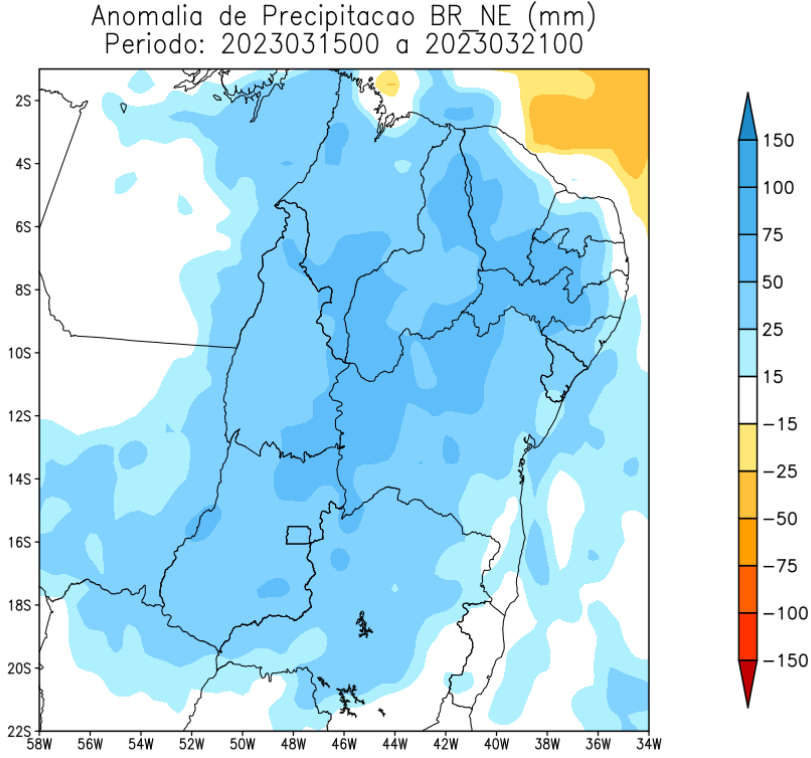
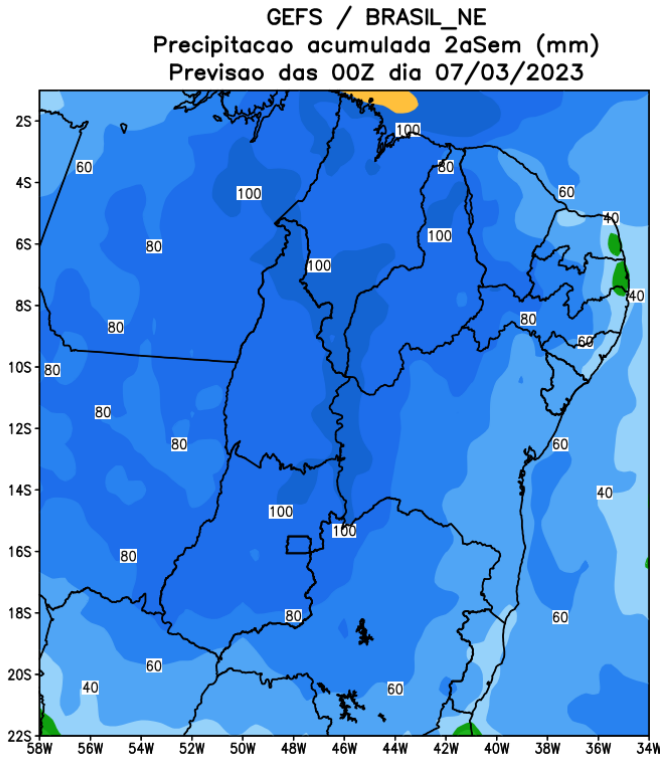
Vazão	% MLT
811 m³/s	94%
709 m³/s	82%
610 m³/s	71%
472 m³/s	55%

Maio-Set (Meses secos)

MLT: **266 m³/s**

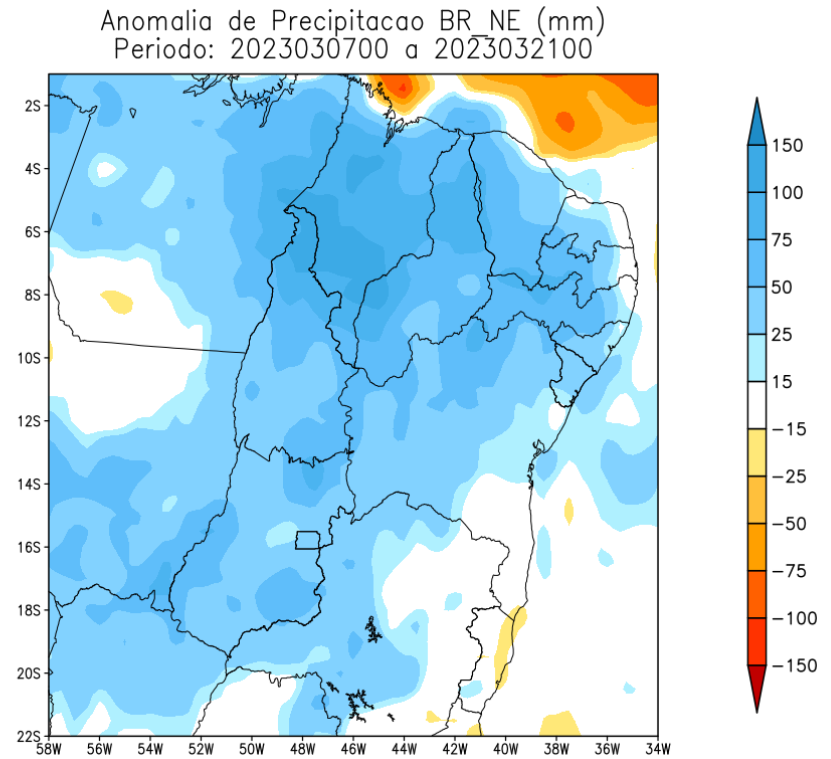
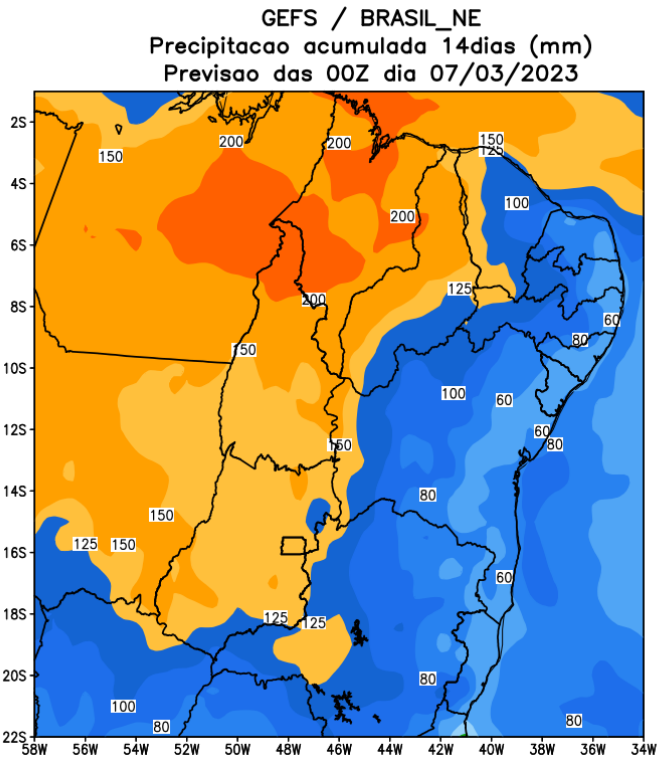
Vazão	% MLT
244 m³/s	92%
212 m³/s	80%
183 m³/s	69%
124 m³/s	47%

Tendência para a 2a semana



Modelo GFS/NOAA

Tendência para as duas próximas semanas



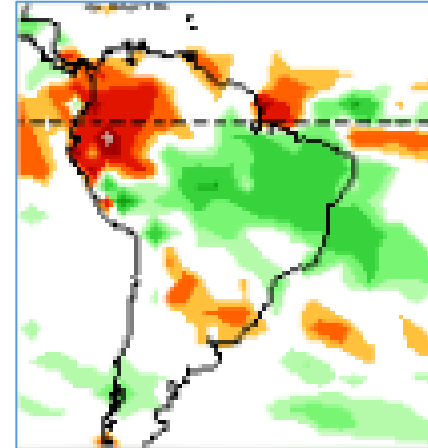
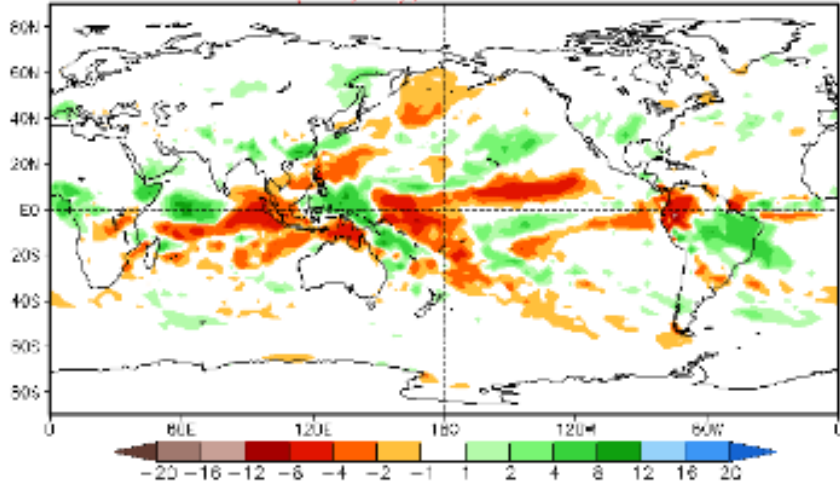
Modelo GFS/NOAA

Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 06Mar2023

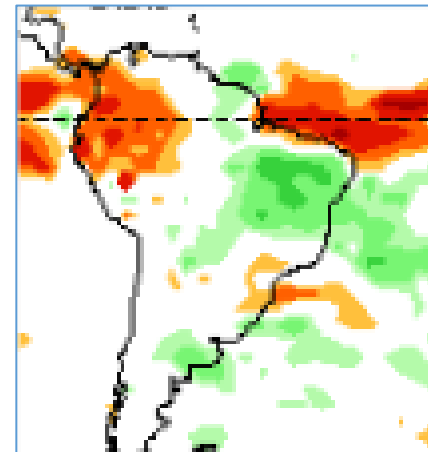
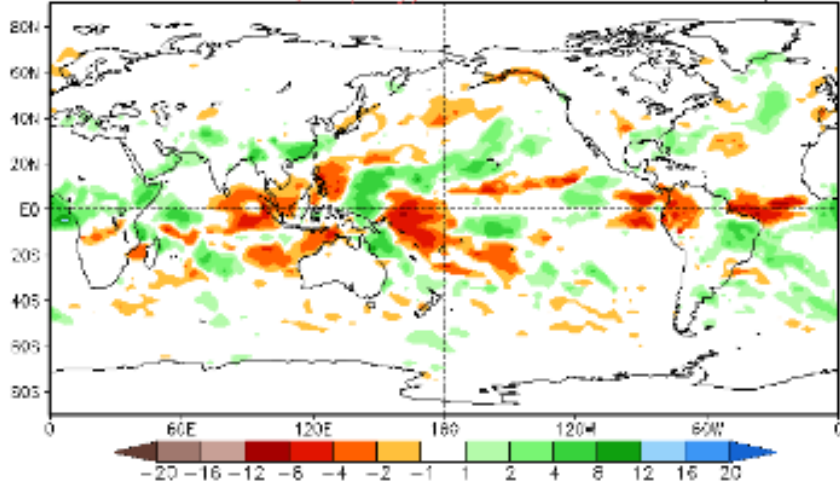
Week 3 Anomalies (mm/day)

21 Mar 2023 - 27 Mar 2023



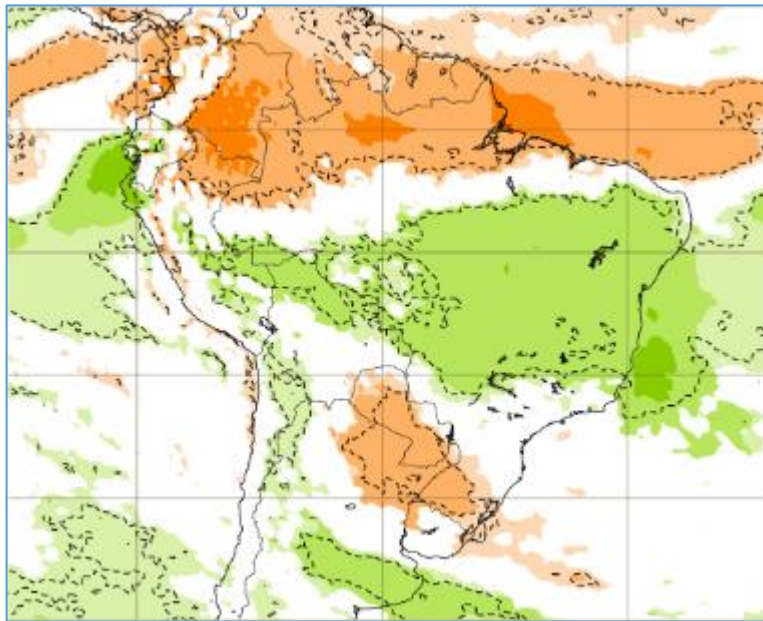
Week 4 Anomalies (mm/day)

28 Mar 2023 - 3 Apr 2023

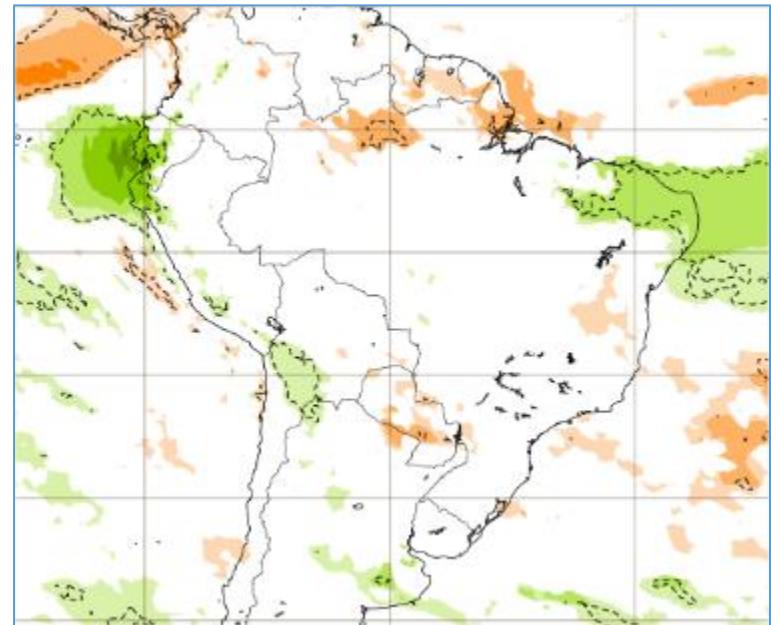


Tendência para 3ª e 4ª semanas

20-27/03

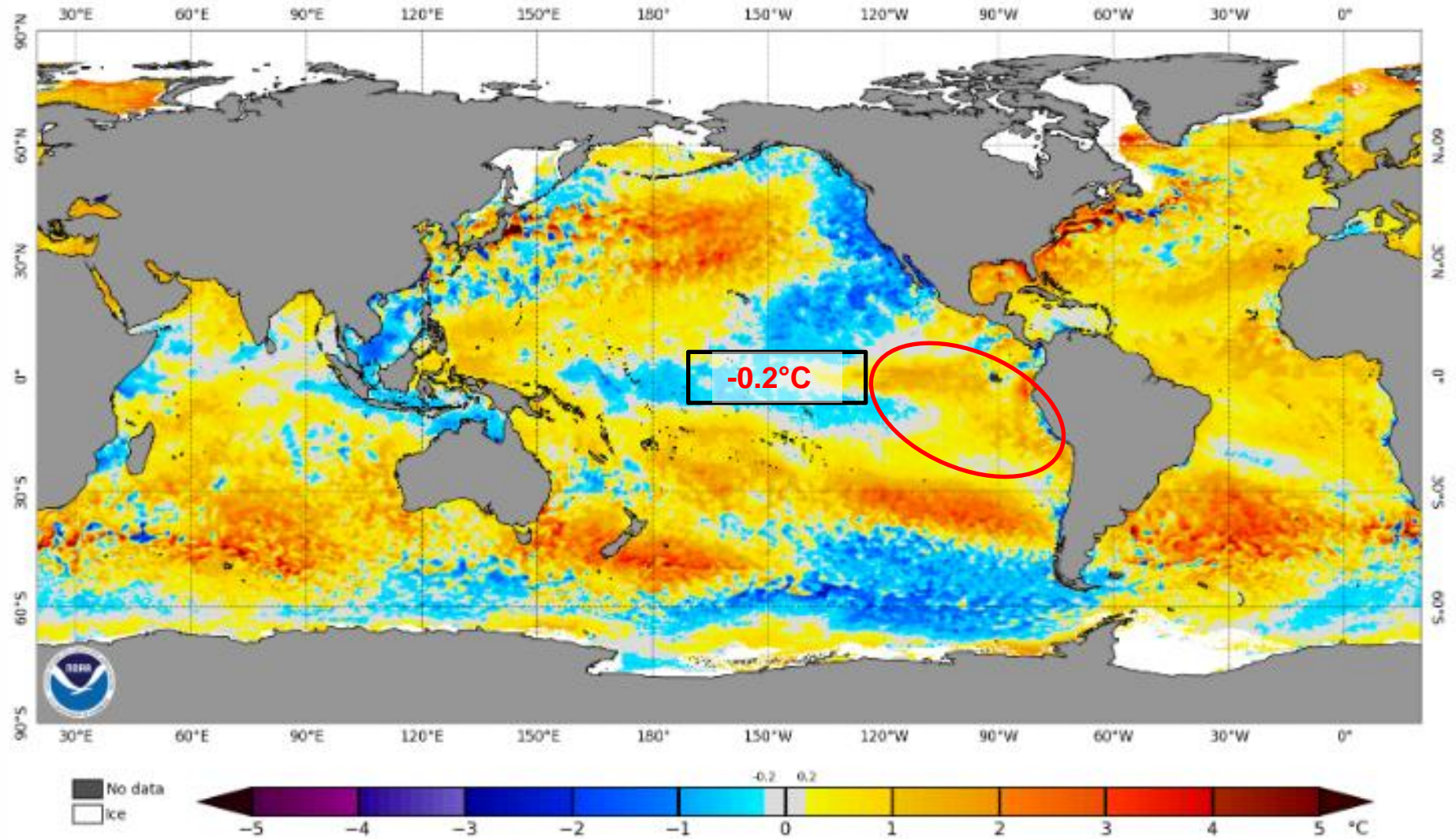


27/02-06/04



Status Atual: La Niña

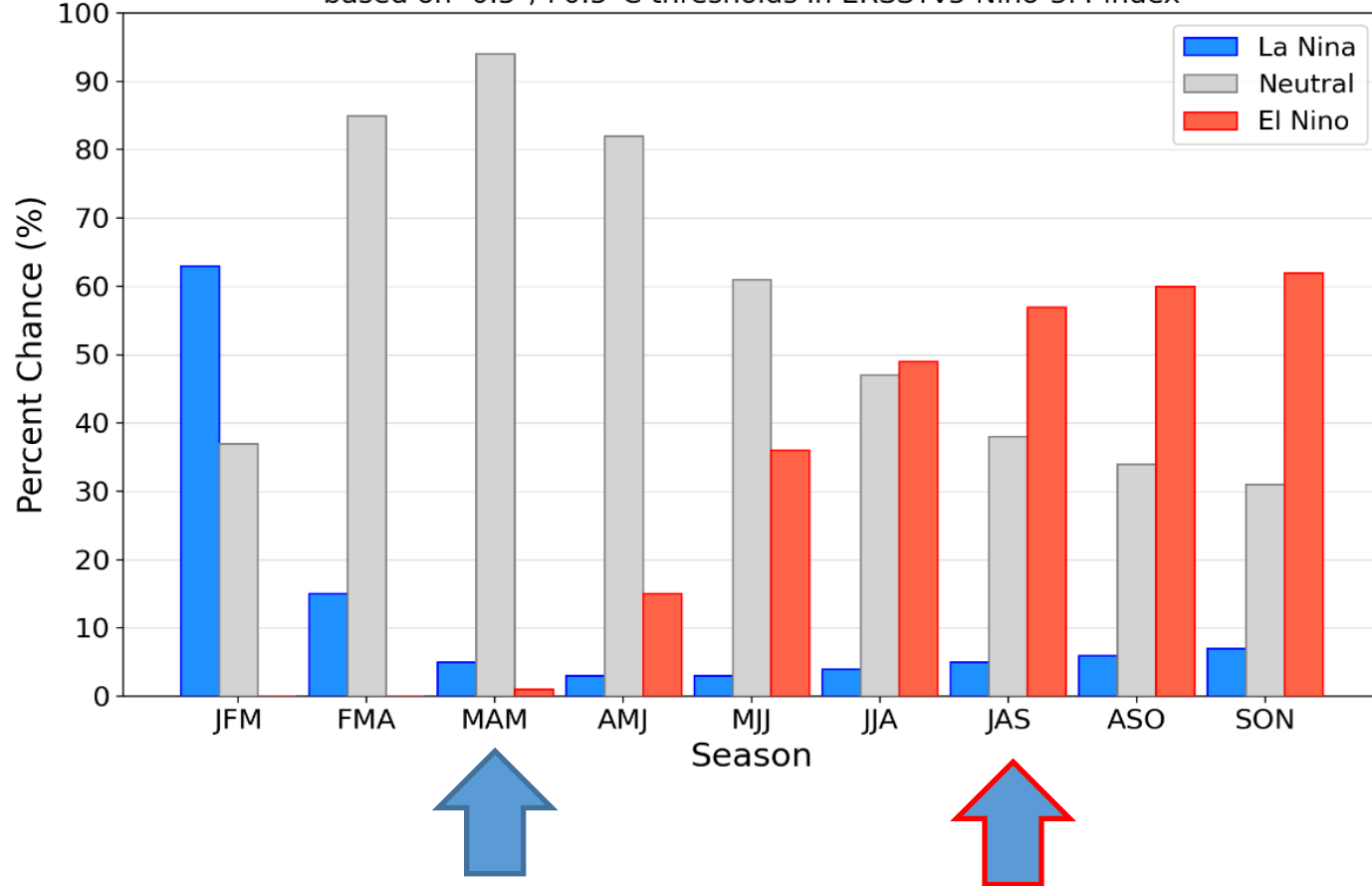
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 5 Mar 2023



Previsão do “La Niña”

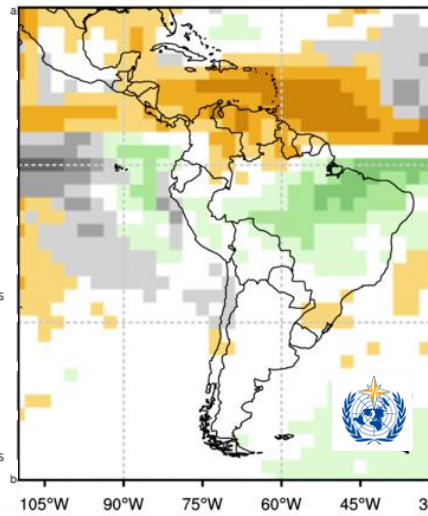
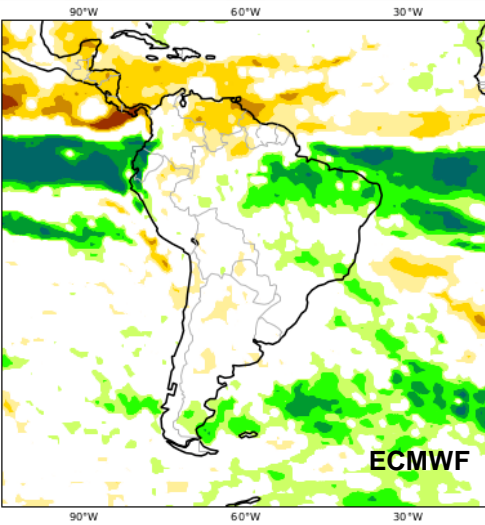
Official NOAA CPC ENSO Probabilities (issued Feb. 2023)

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



Status Atual: **La Niña**

Previsão sazonal de Chuva MAM



NMME Precipitation Anomalies (mm/day)

Mar2023-May2023 February2023 initial conditions

