



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

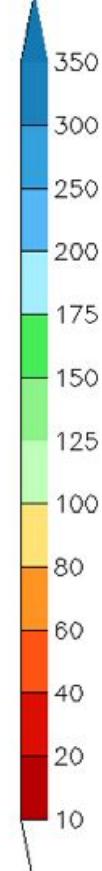
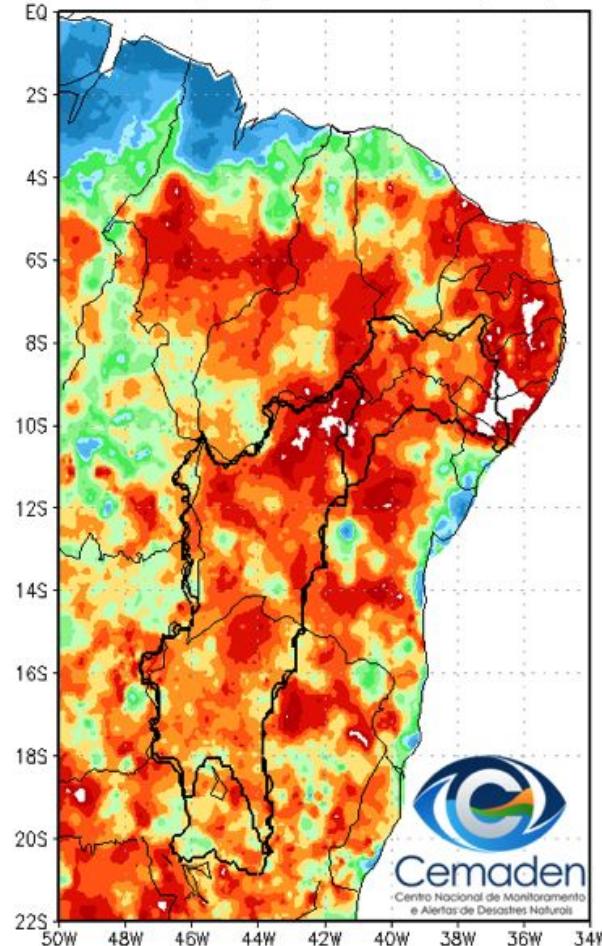
Monitoramento,
Previsões e
Projeções para a
Bacia do Rio São
Francisco

06 de Maio de 2025

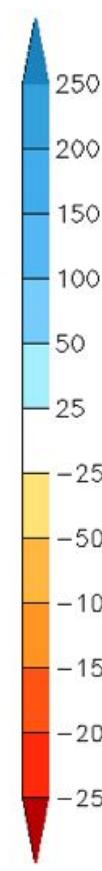
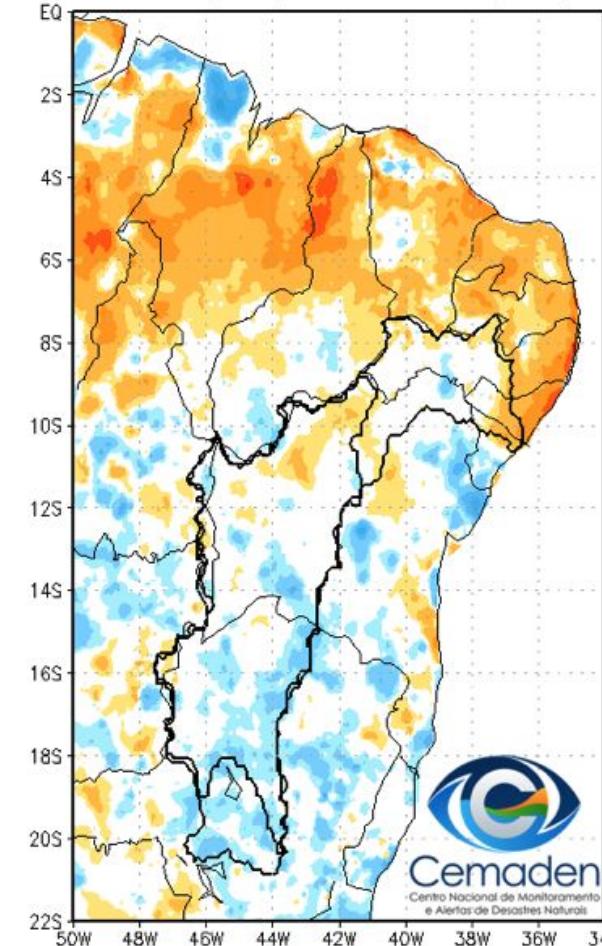


Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Periodo: 05/04/2025 a 05/05/2025

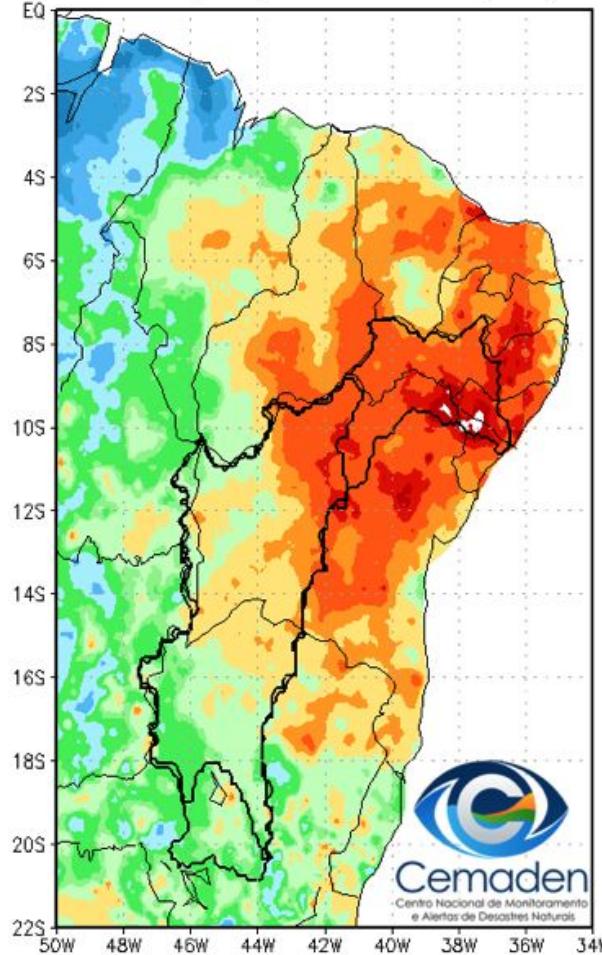


Anomalia de Precipitacao (mm) A.S.
Periodo: 05/04/2025 a 05/05/2025

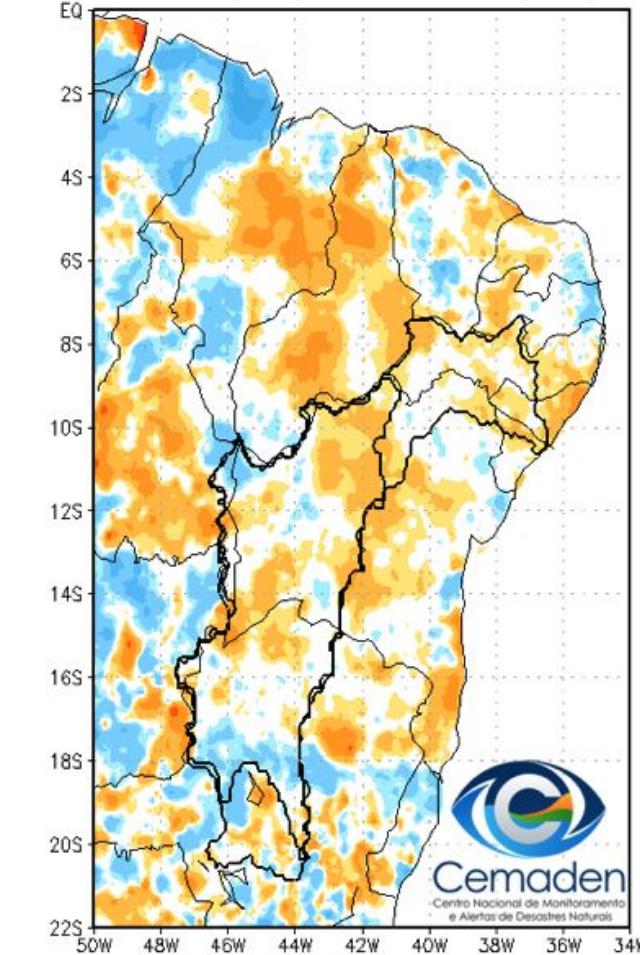


Chuva no Ano Hidrológico - desde 01/10/2024

Precipitacao Acumulada (mm) A.S.
Periodo: 01/10/2024 a 05/05/2025

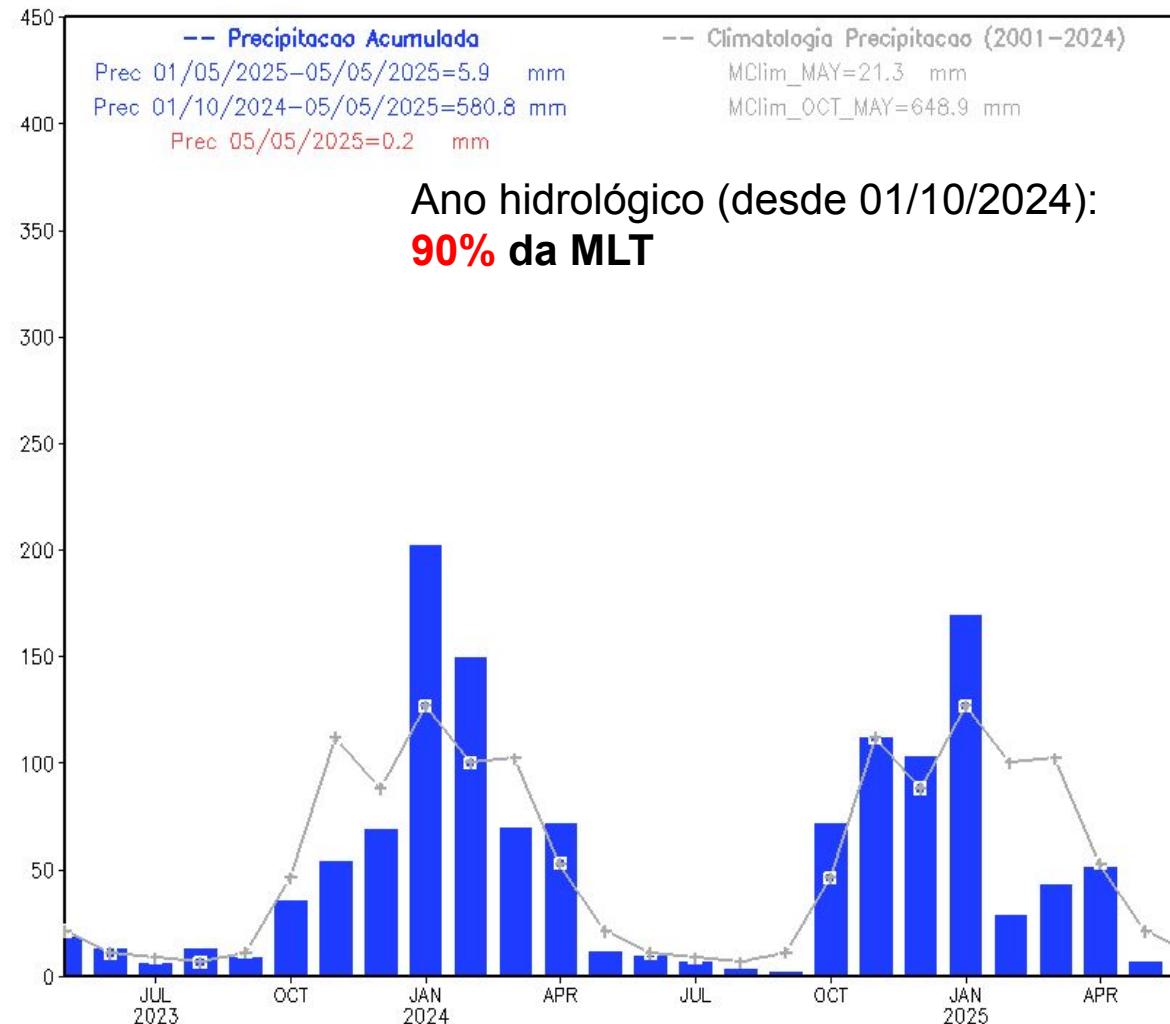


Anomalia de Precipitacao (mm) A.S.
Periodo: 01/10/2024 a 05/05/2025

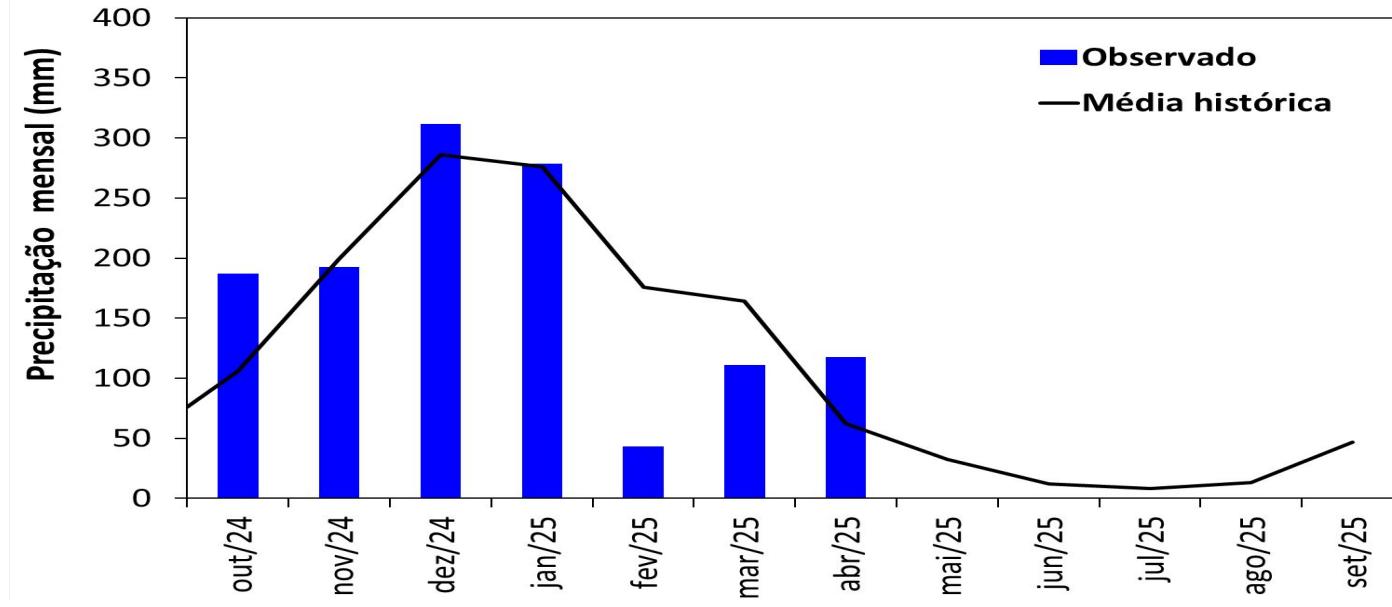


Chuva dos últimos dois anos

Precipitacao Bacia do Rio Sao_Francisco
desde MAY 2023



Monitoramento UHE Três Marias



Precipitação

Estação Chuvosa - Out a Mar - 1208 mm

2023/2024: 1057 mm (**87% da MLT**)

2024/2025: 1124 mm (**93% da MLT**)

Estação Seca - Abr a Set - 175 mm

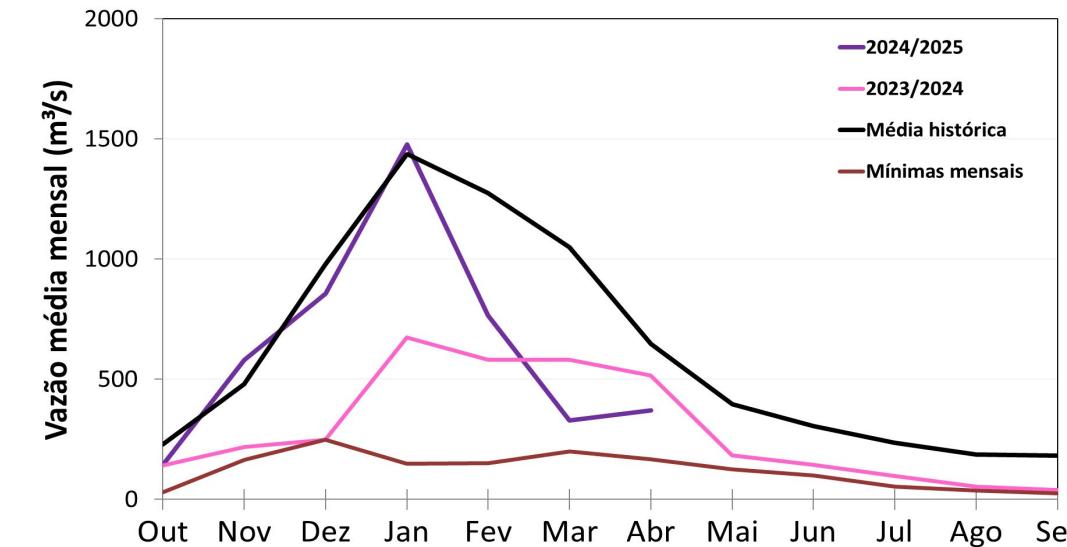
2024: 57 mm (**32% da MLT**)

2025*: 118 mm (**369% da MLT PARCIAL**)

Abr/25*: 118 mm (**189% da MLT**)

Maio/25*: 0 mm (MLT = 33 mm)

*Até 04/05/2025



Vazão

Estação Chuvosa - Out a Mar - 908 m³/s

2023/2024: 408 m³/s (**45% da MLT**)

2024/2025: 691 m³/s (**76% da MLT**)

Estação Seca - Abr a Set - 325 m³/s

2024: 172 m³/s (**53% da MLT**)

2025**: 370 m³/s (**114% da MLT**)

Abr/25: 369 m³/s (**57% da MLT**)

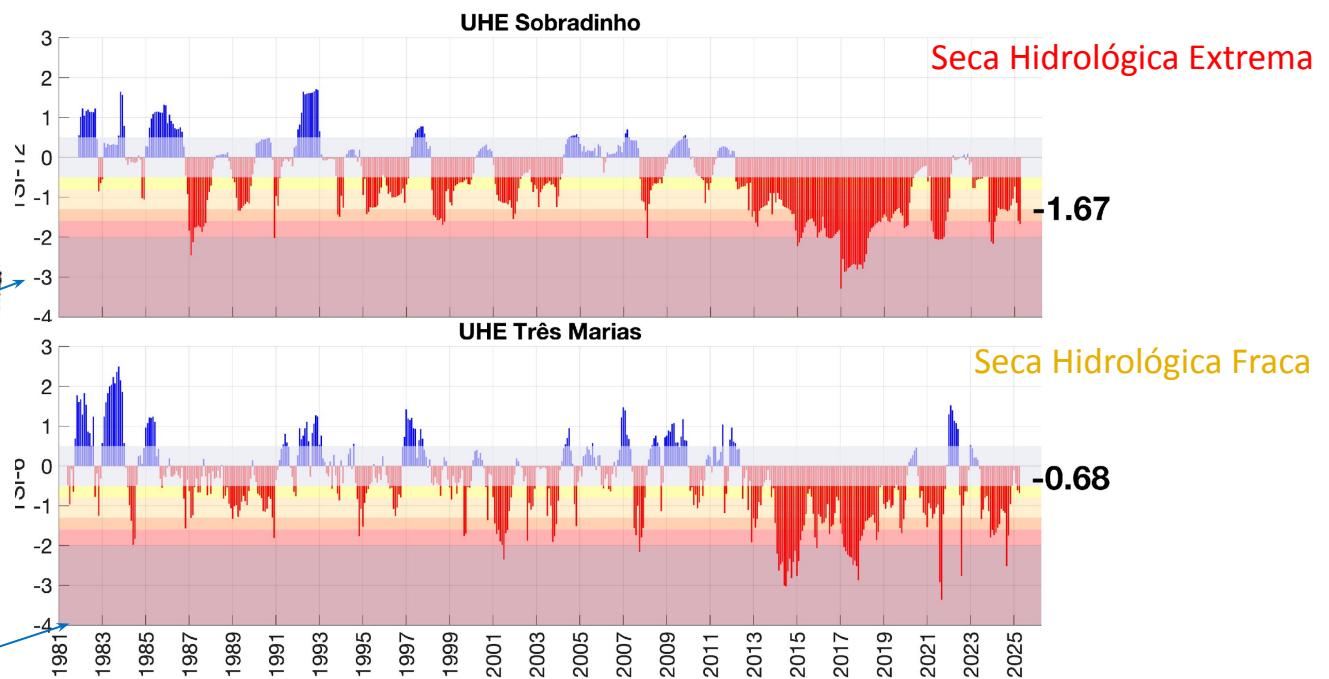
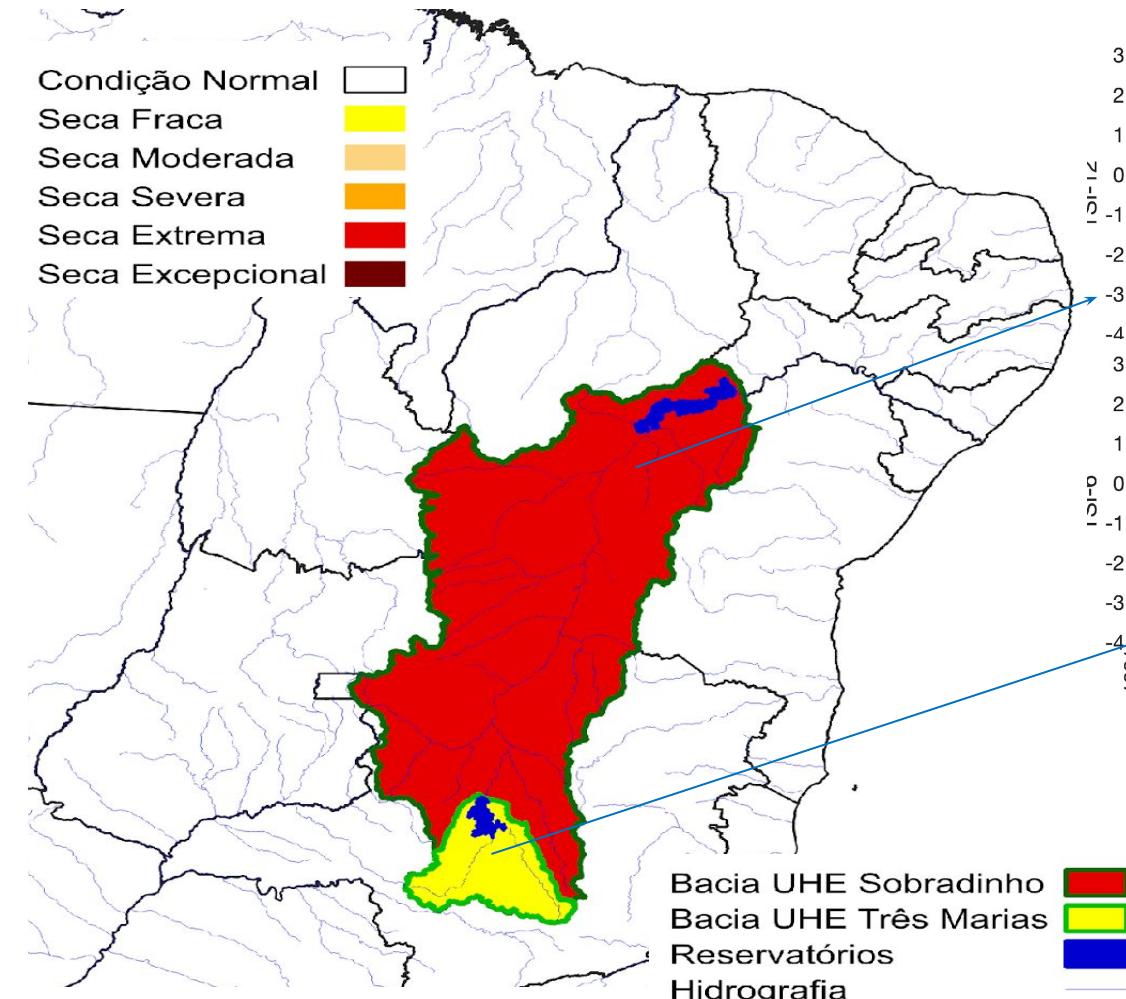
04/Maio/25: 308 m³/s (**78% da MLT**)

**Até 04/05/2025

Monitoramento UHE Três Marias e Sobradinho

Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Longo Prazo

Abril/2025

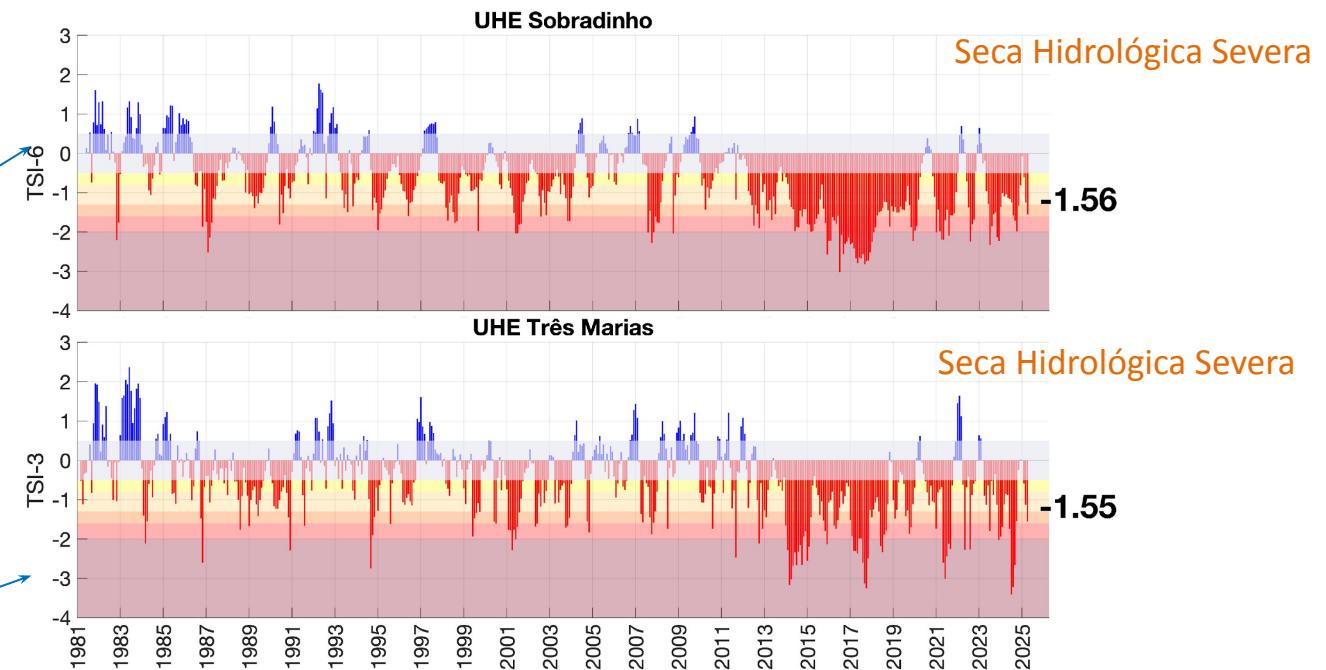
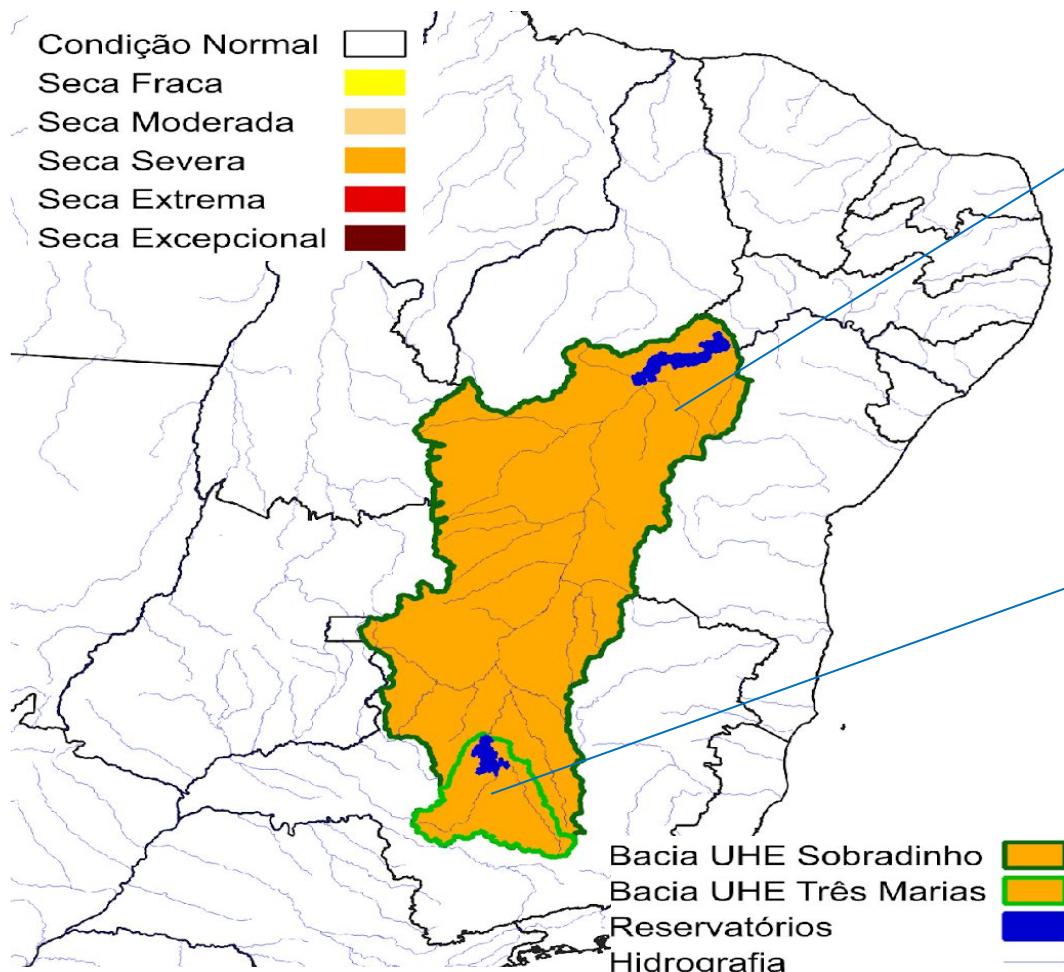


Bacia afluente à UHE:	TSI-Mar	TSI-Abr
Sobradinho	Severa (-1.60)	Extrema (-1.67)
Três Marias	Fraca (-0.62)	Fraca (-0.68)

Monitoramento UHE Três Marias e Sobradinho

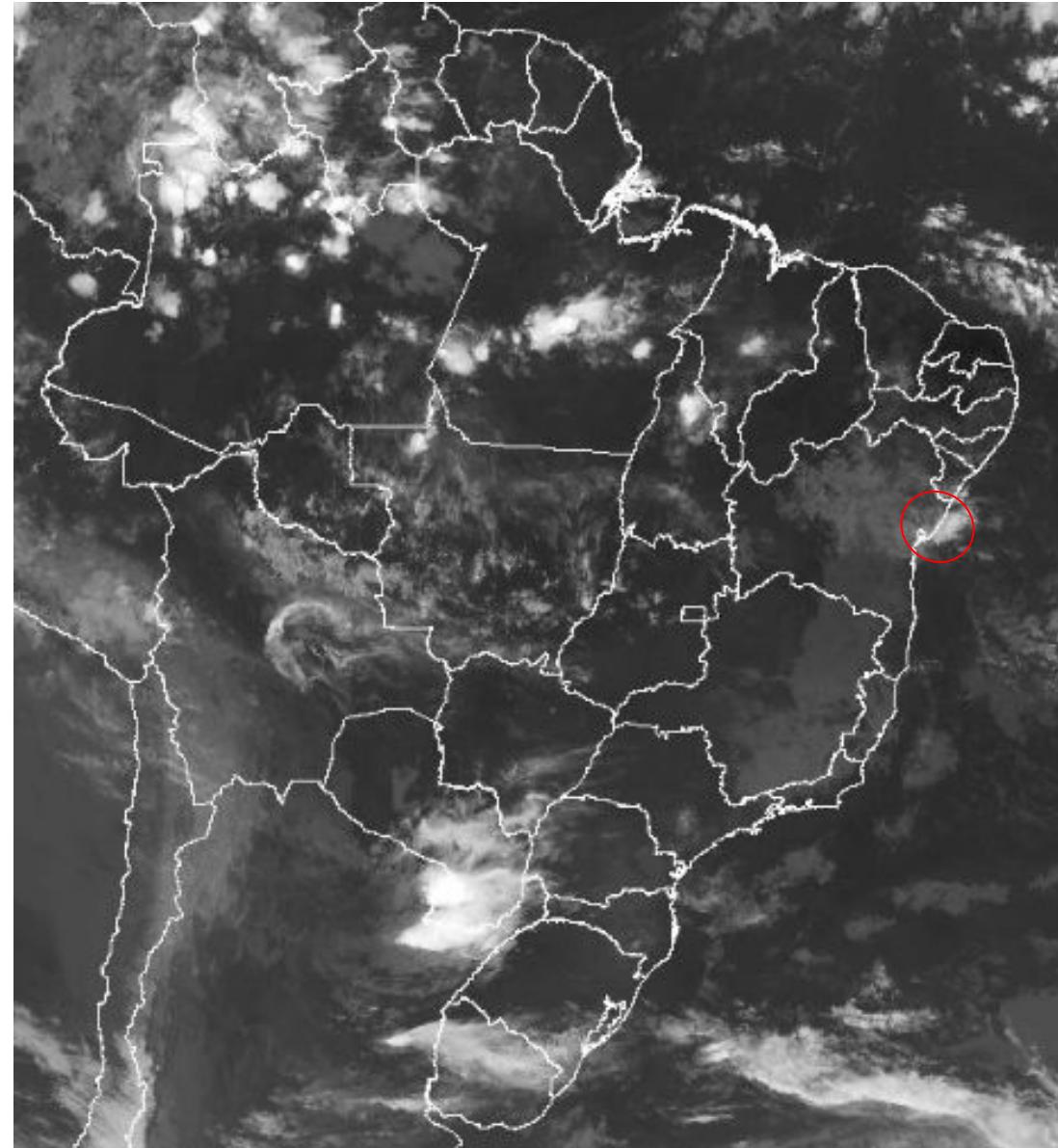
Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Curto Prazo

Abril/2025



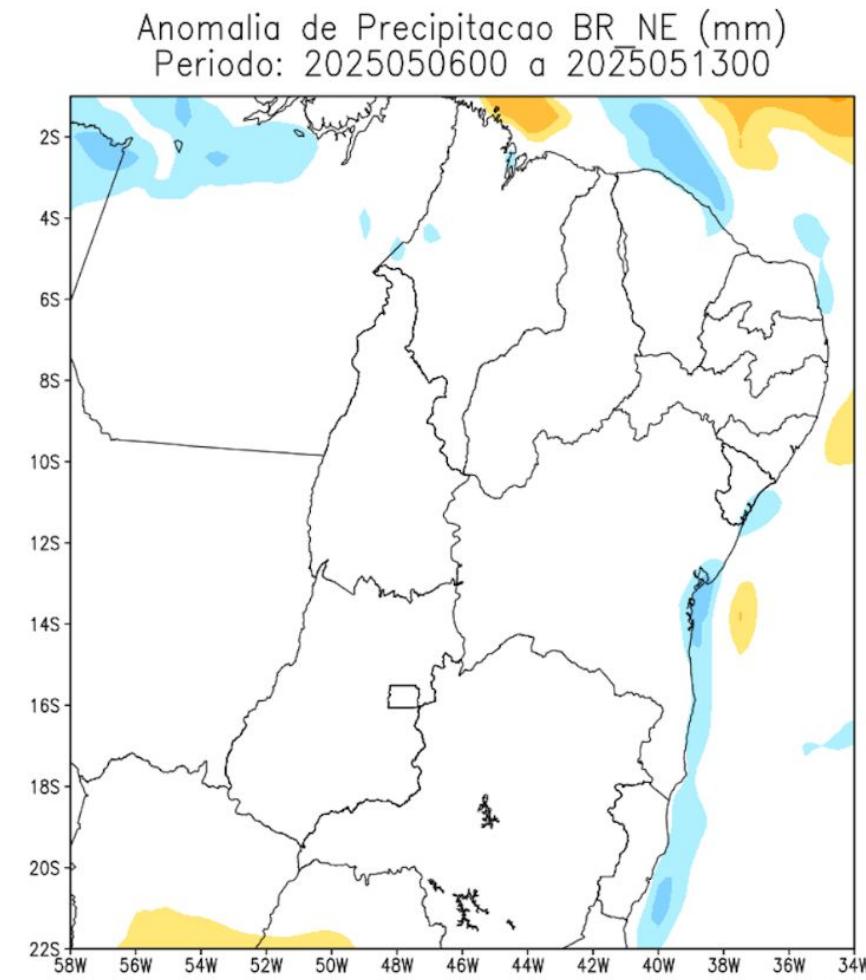
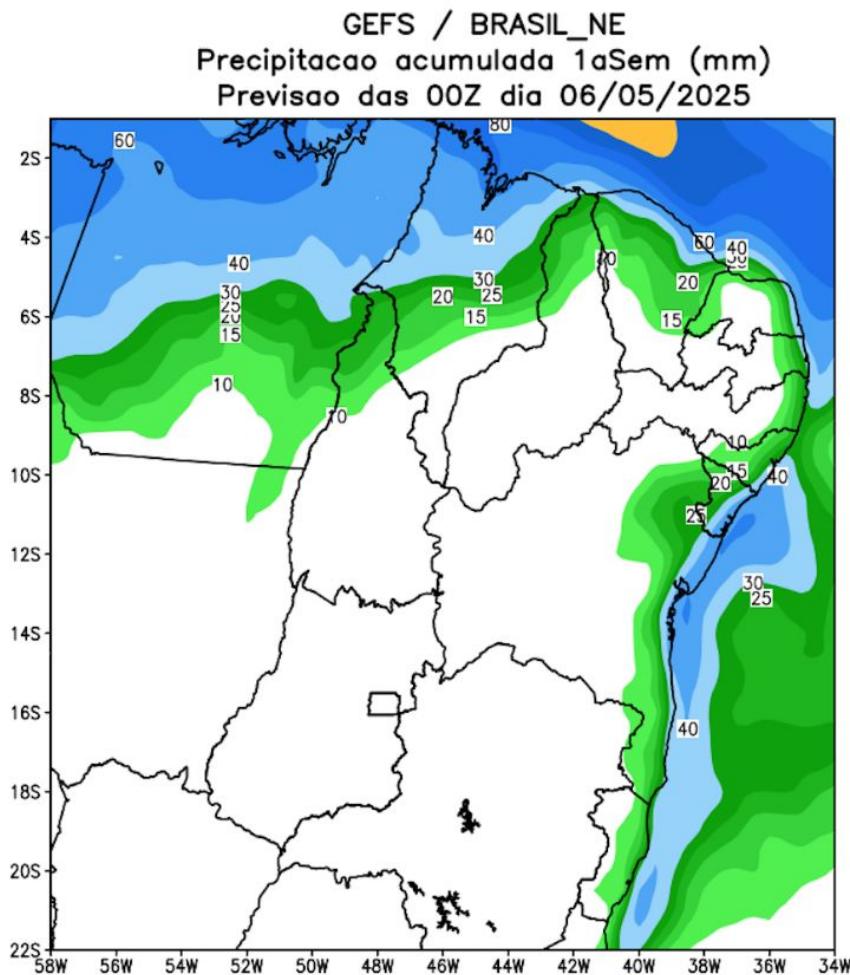
Bacia afluente à UHE:	TSI-Mar	TSI-Abr
Sobradinho	Moderada (-1.25)	Severa (-1.56)
Três Marias	Moderada (-1.13)	Severa (-1.55)

Situação meteorológica atual



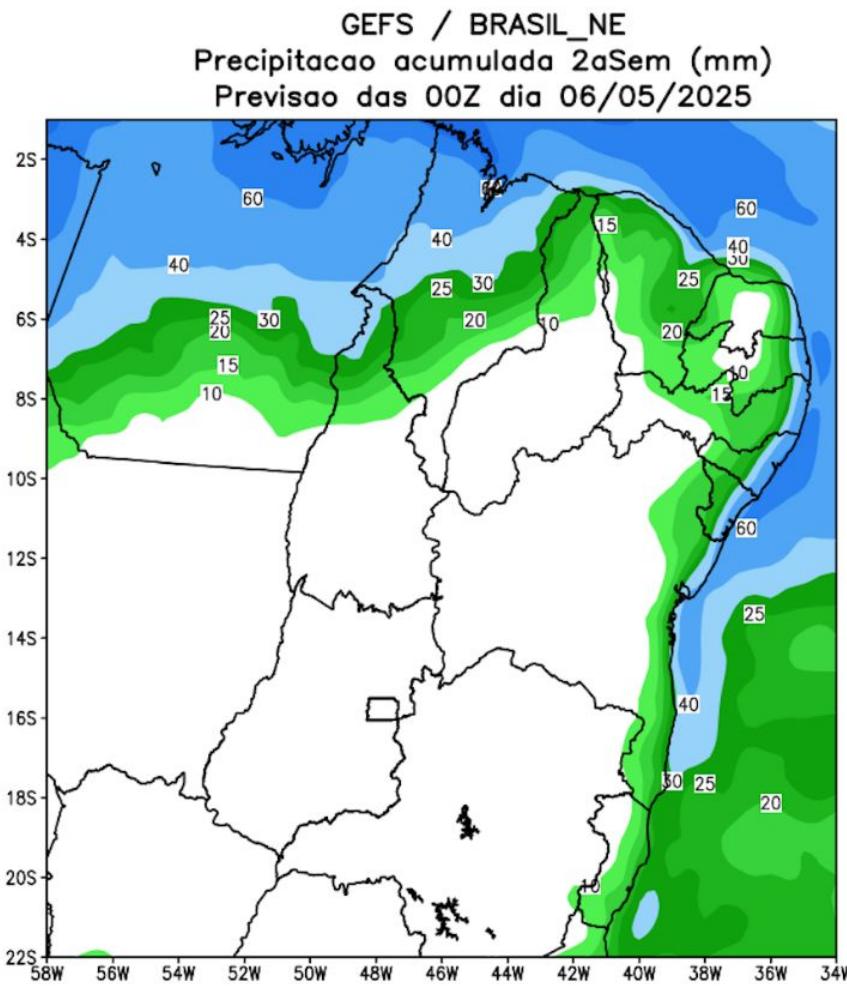
Fonte: INMET

Previsão de chuva próximos 7 dias



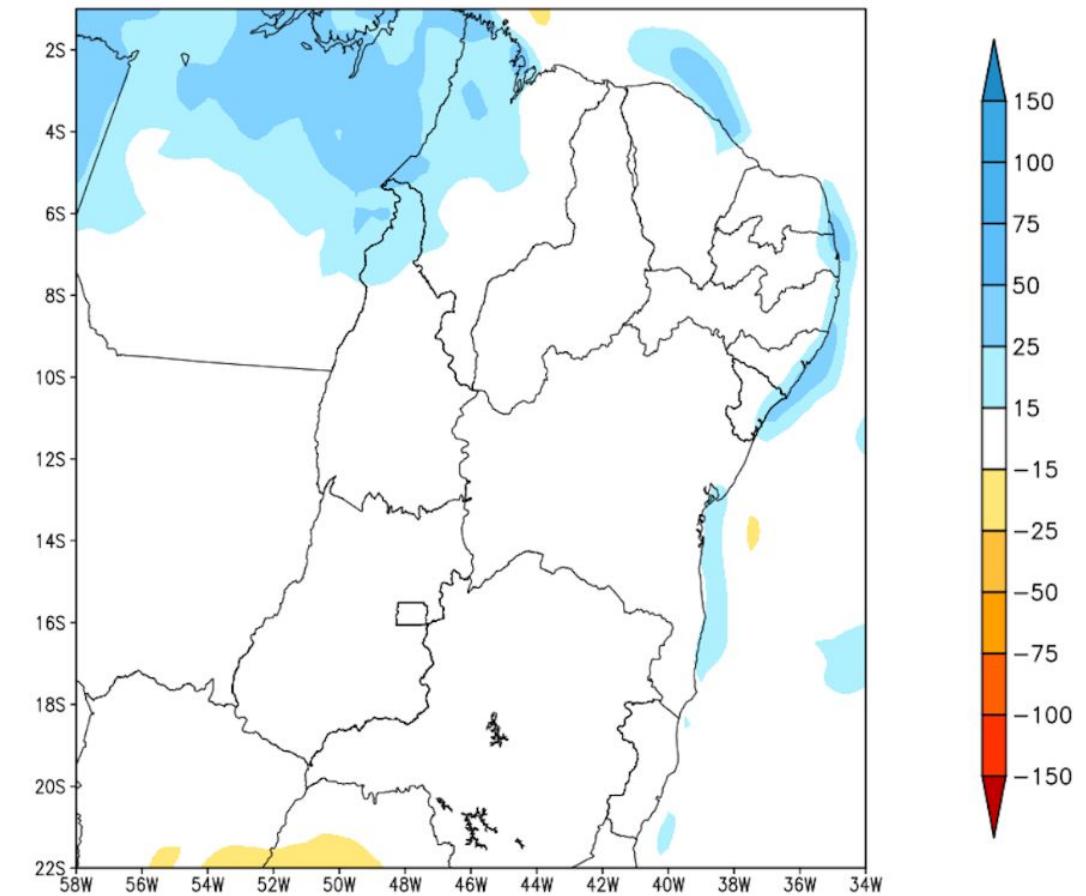
Fonte: GEFS/NOAA

Tendência para a 2a semana

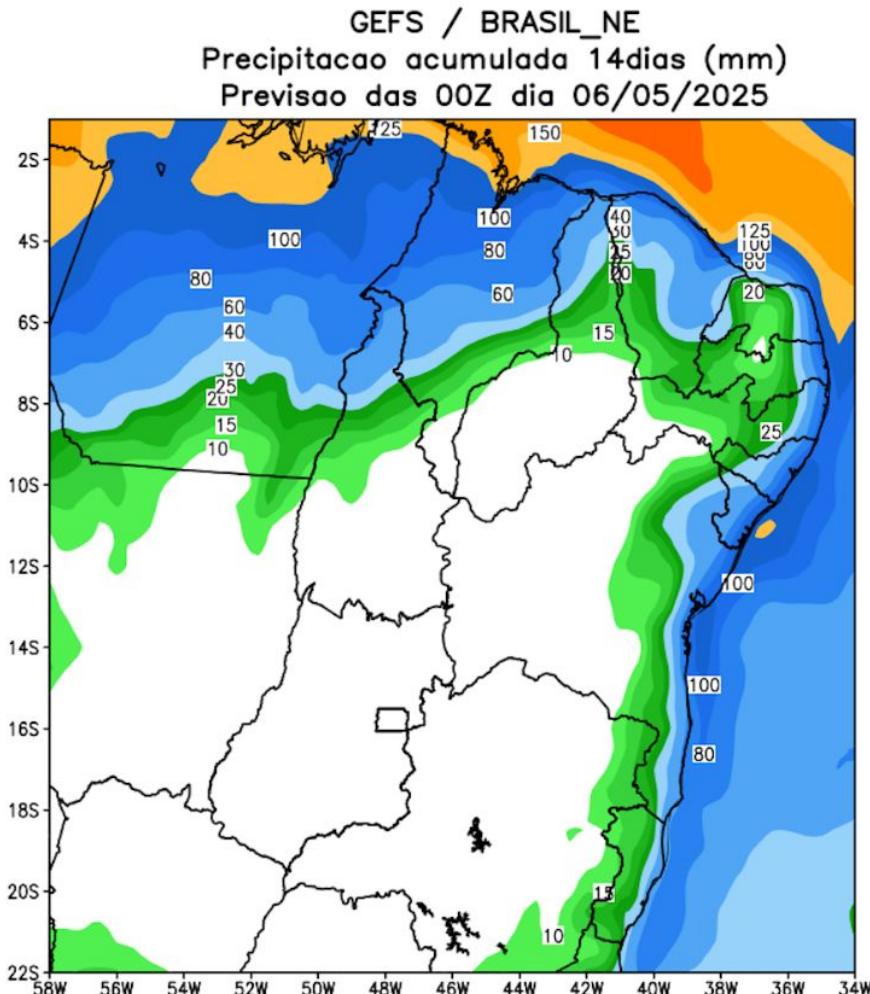


Modelo GFS/NOAA

Anomalia de Precipitacao BR_NE (mm)
Periodo: 2025051400 a 2025052000

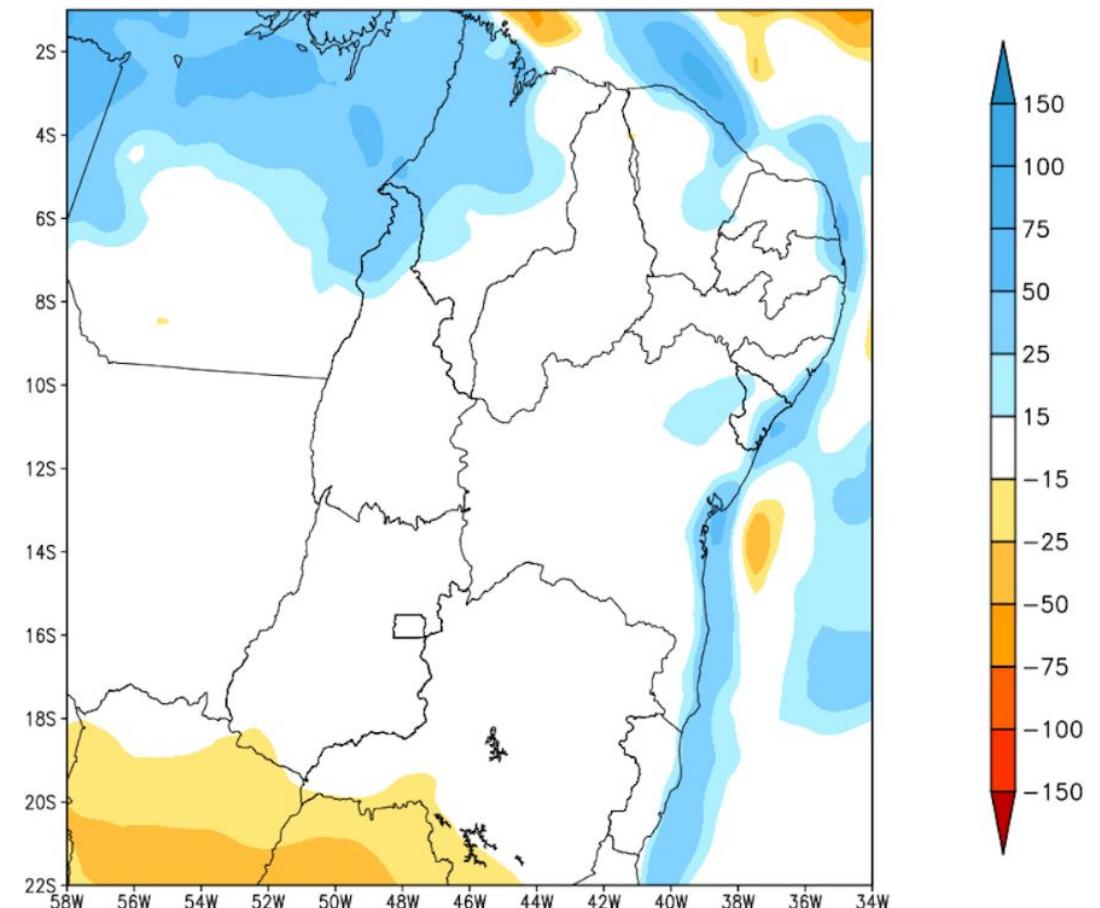


Tendência para as duas próximas semanas

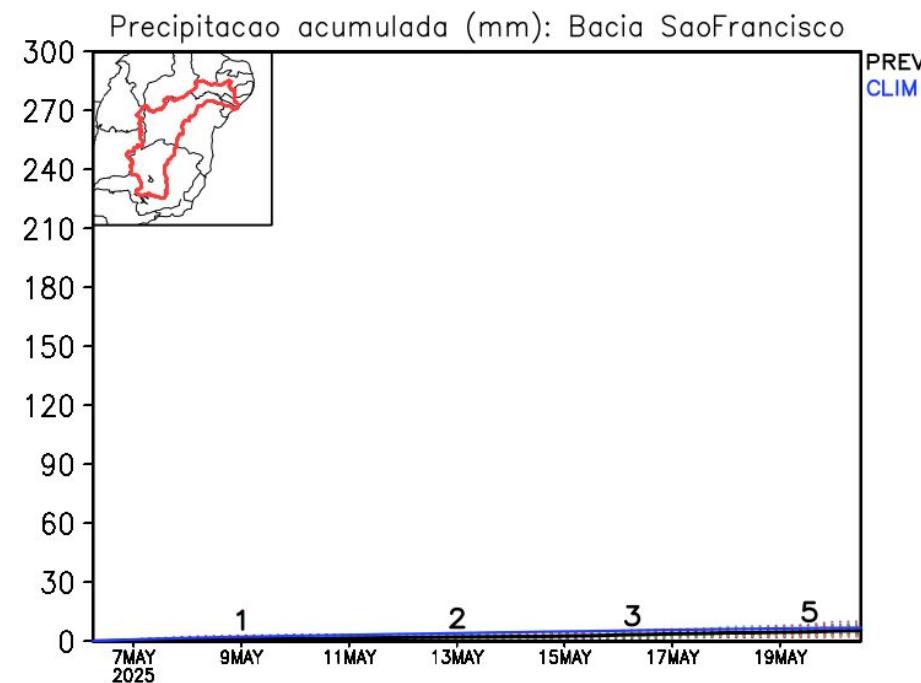
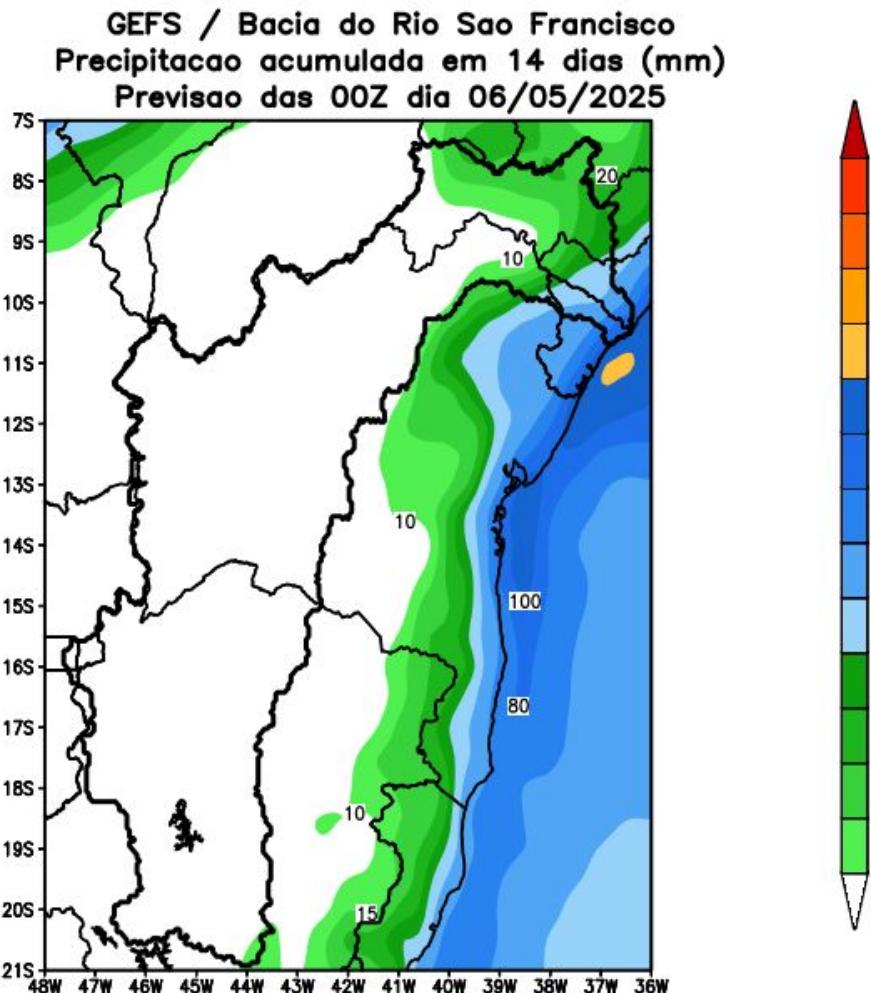


Modelo GFS/NOAA

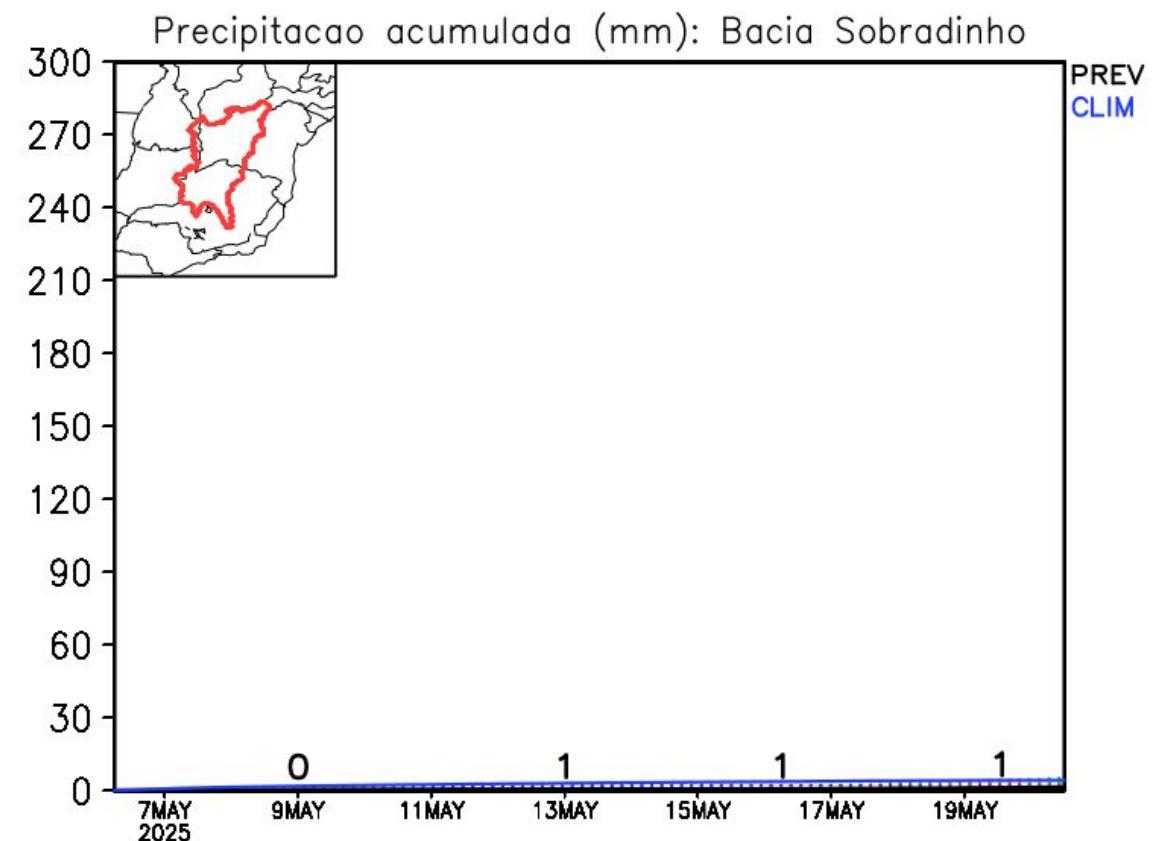
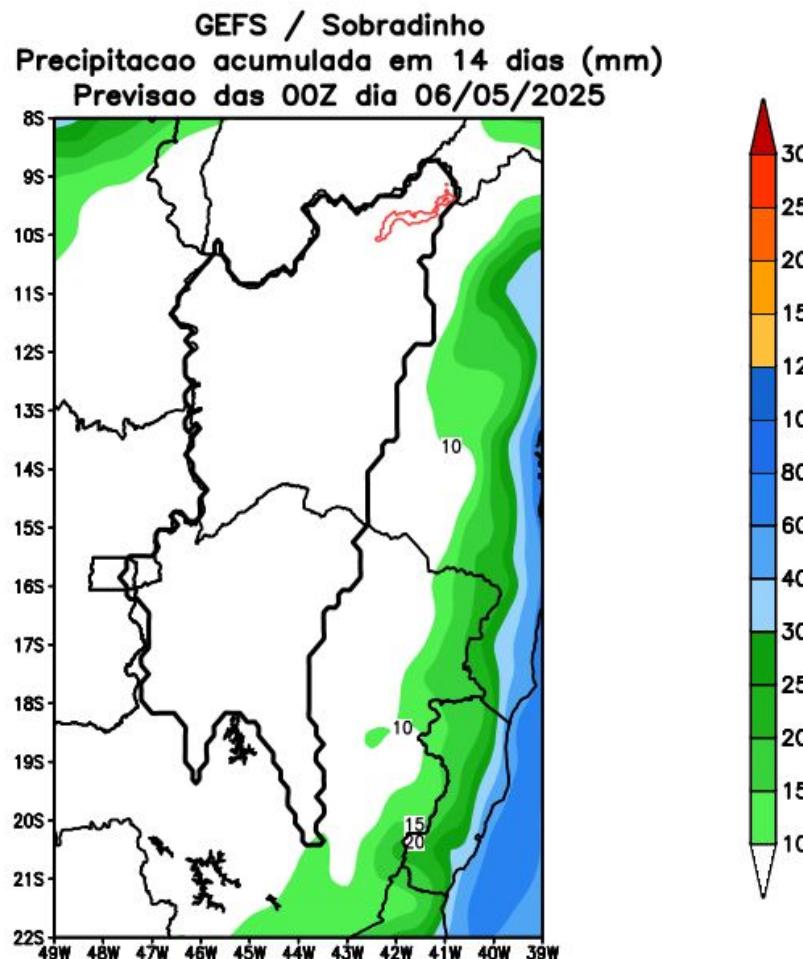
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2025050600 a 2025052000



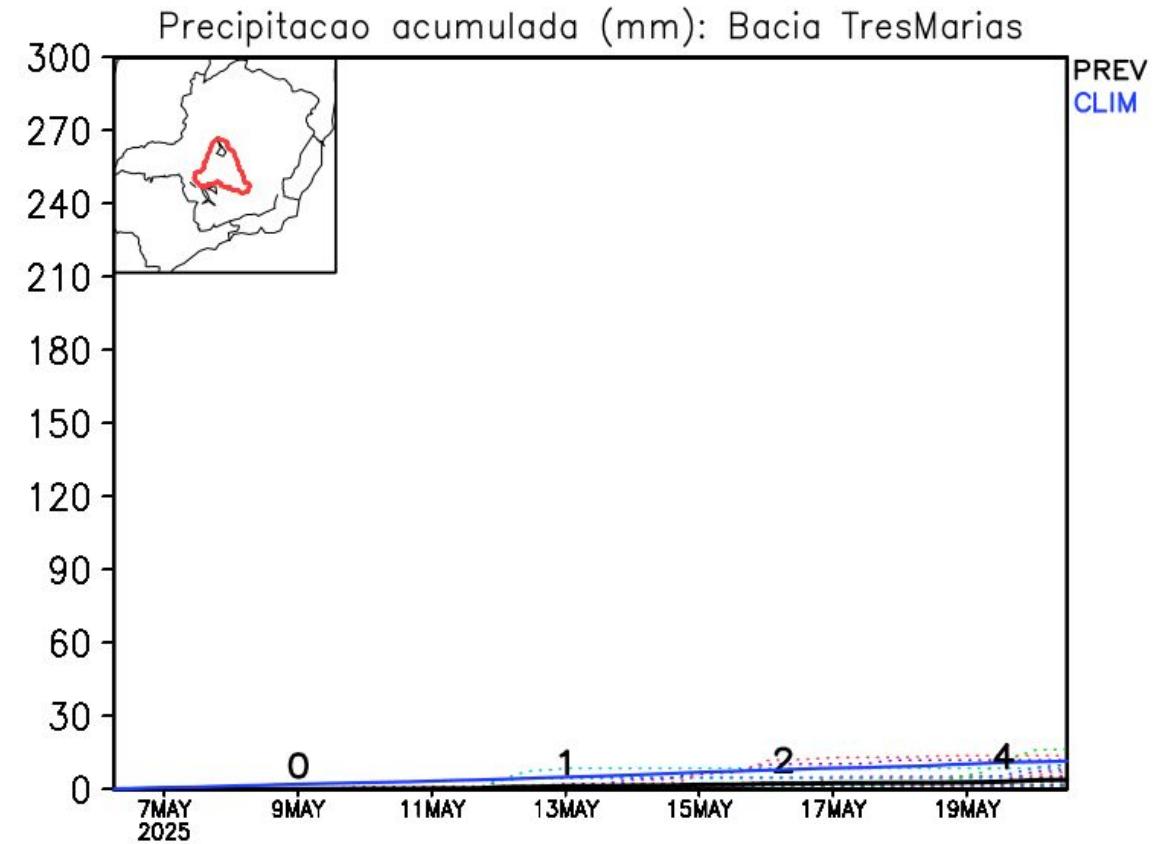
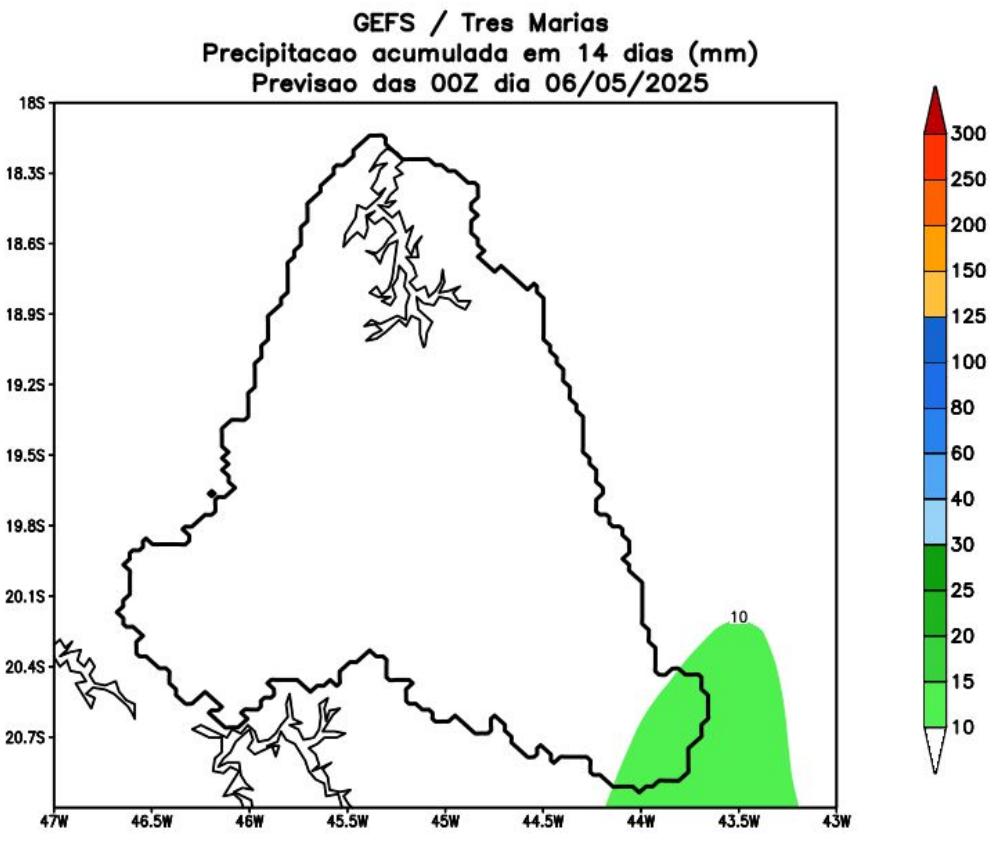
Bacia do rio São Francisco



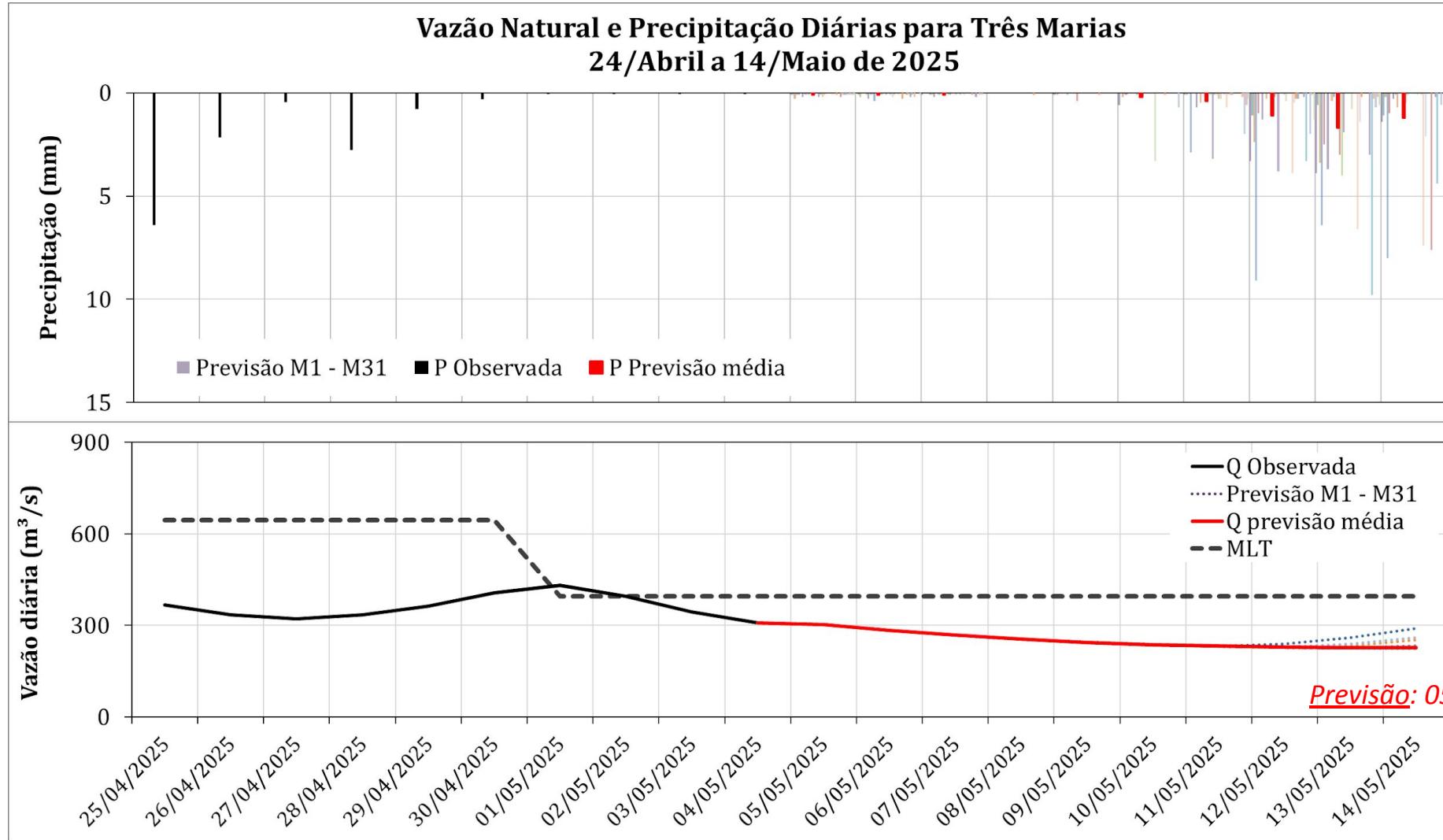
Bacia de Sobradinho



Bacia de Três Marias



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



Previsão média para
os próximos 10 dias: 251 m^3/s

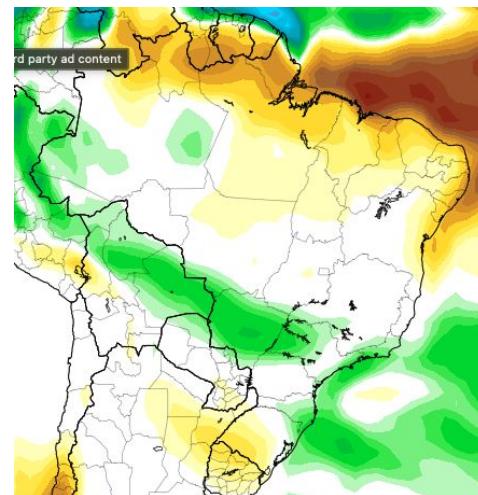


63% da MLT de Maio

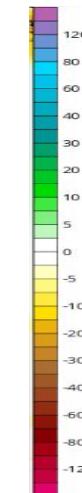
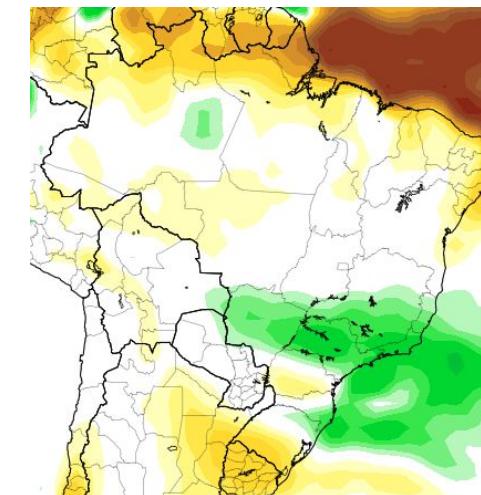
Anomalia de Chuva 3a e 4a semanas

CFS/NOAA

19-25 Maio

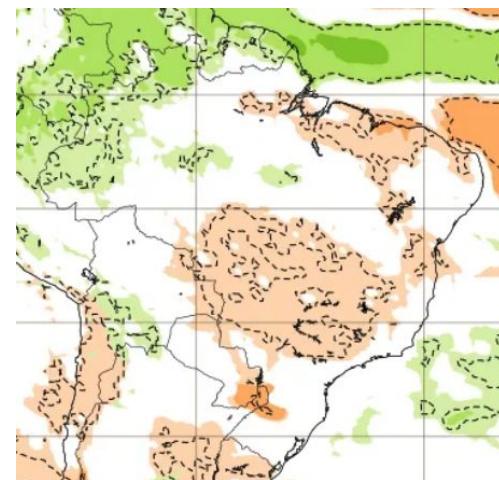


26-01 Junho

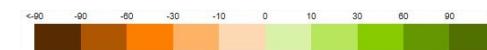
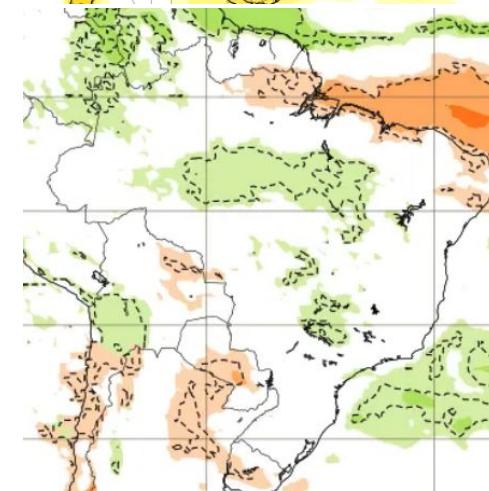


ECMWF

19-25 Maio



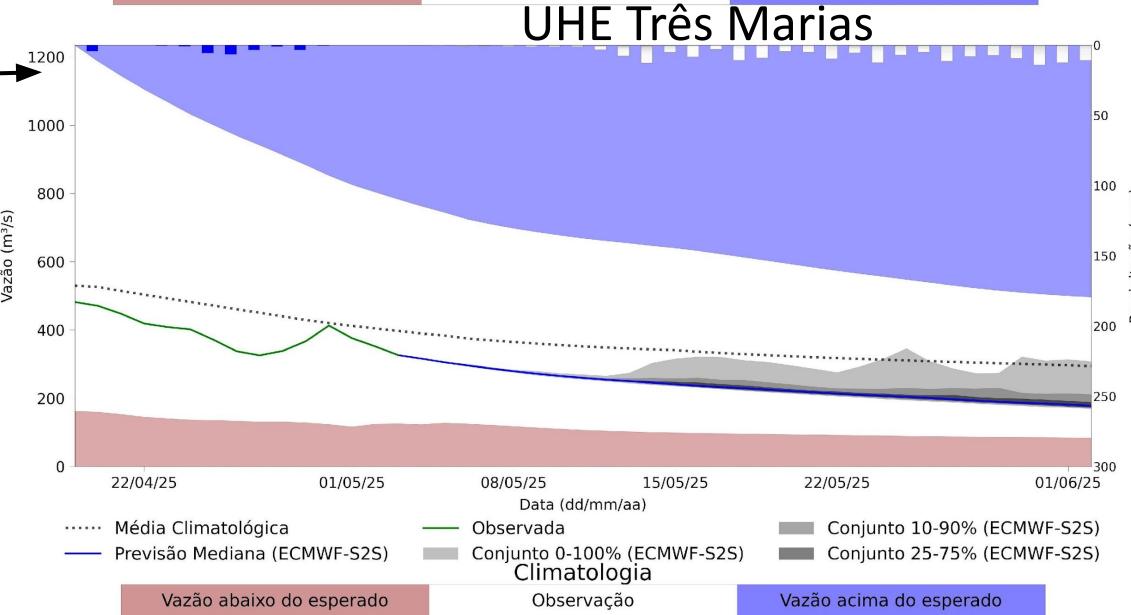
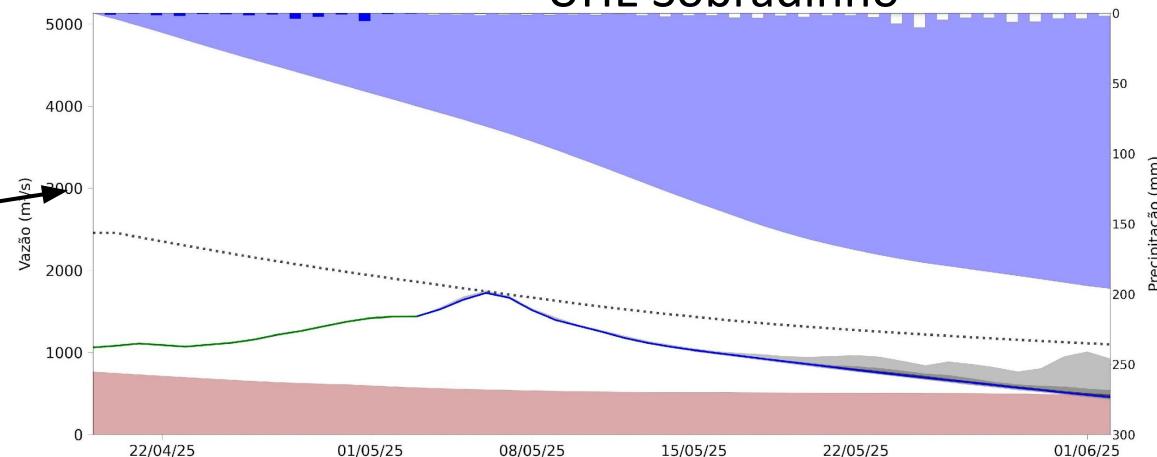
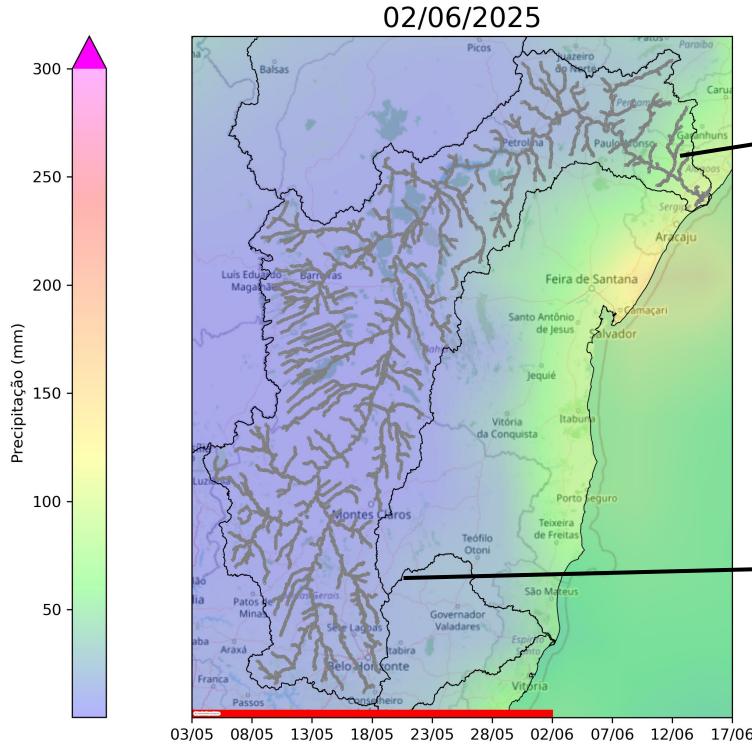
26-01 Junho



Previsão de vazão natural na Bacia Rio São Francisco (Modelo hidrológico MHD)

UHE Sobradinho

Previsão: 03/05/2025 a 02/06/2025



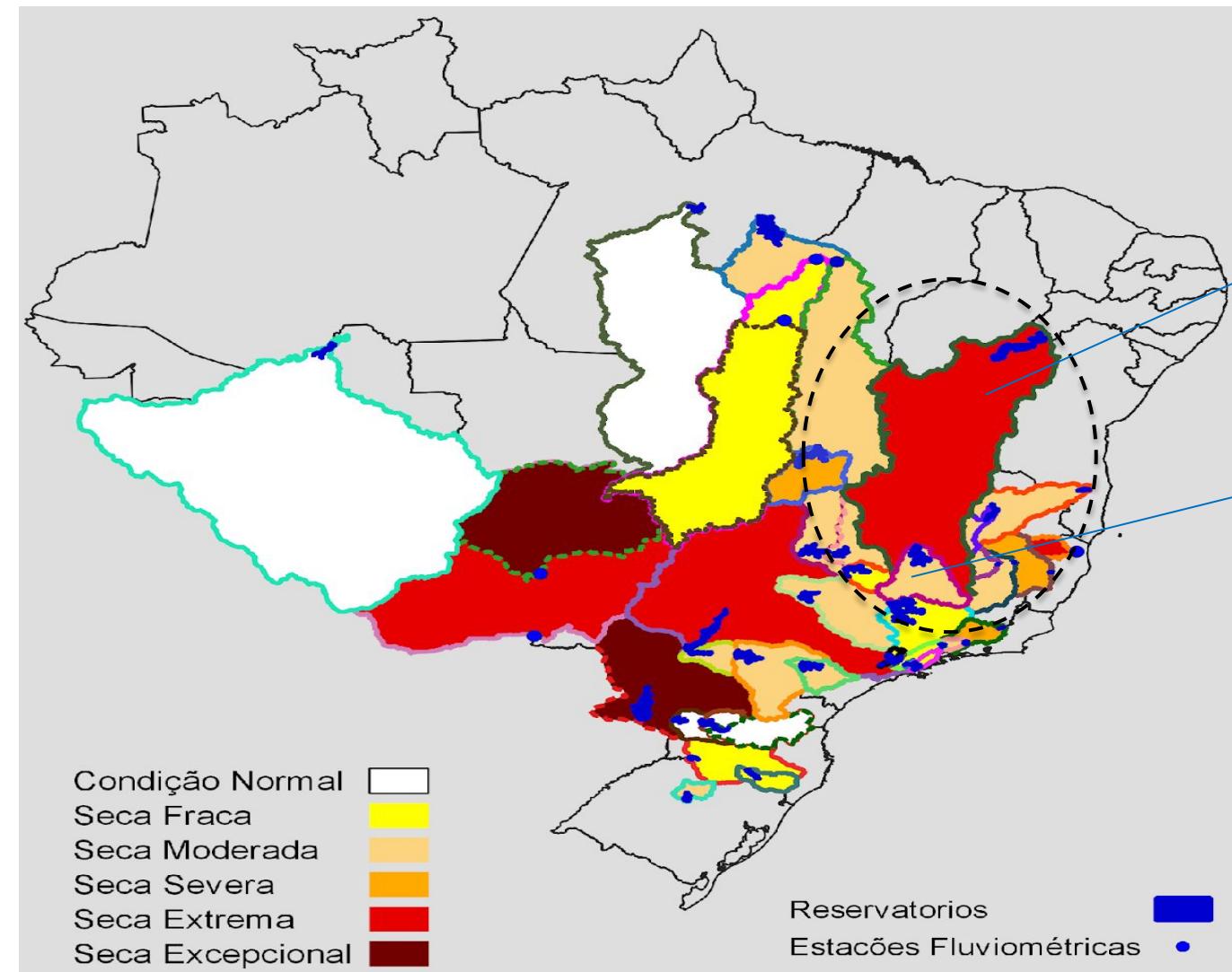
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

MLT: 1993-2023

Previsão Meteorológica: ECMWF-S2S

Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Previsão para os próximos 30 dias



Estabilidade da Seca:

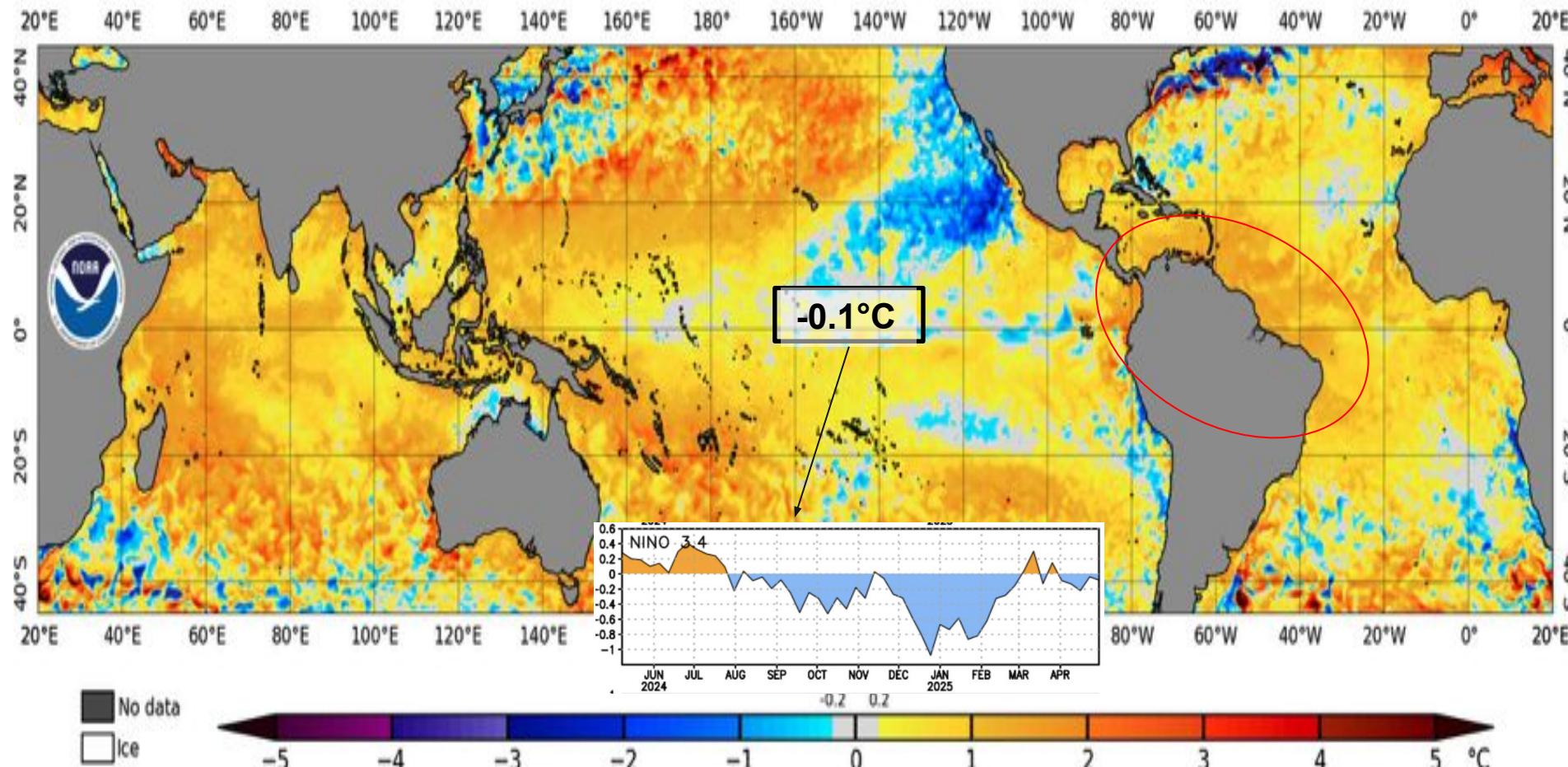
- Sobradinho (extrema)

Intensificação da seca:

- Três Marias (fraca para moderada)

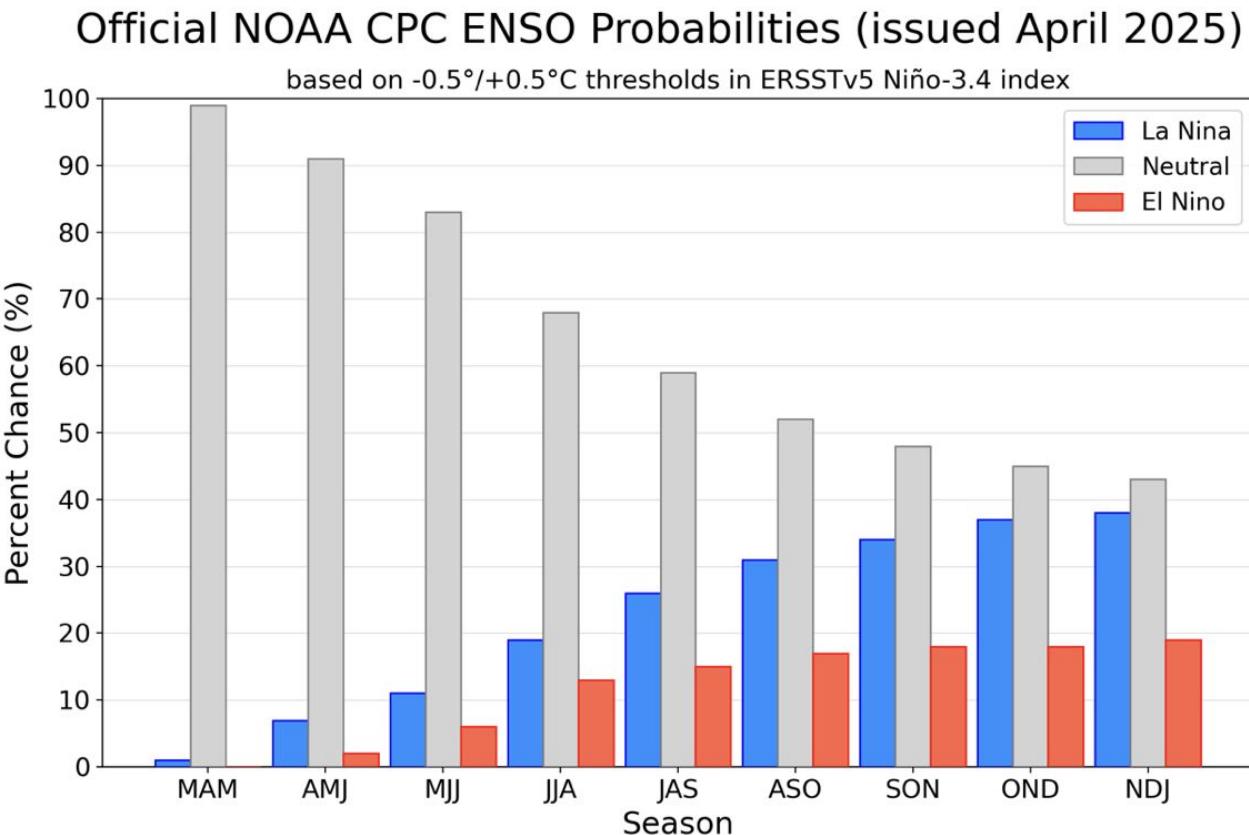
Status Atual: La Niña

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 4 May 2025



FONTE: NOAA

Previsão do “ENSO”

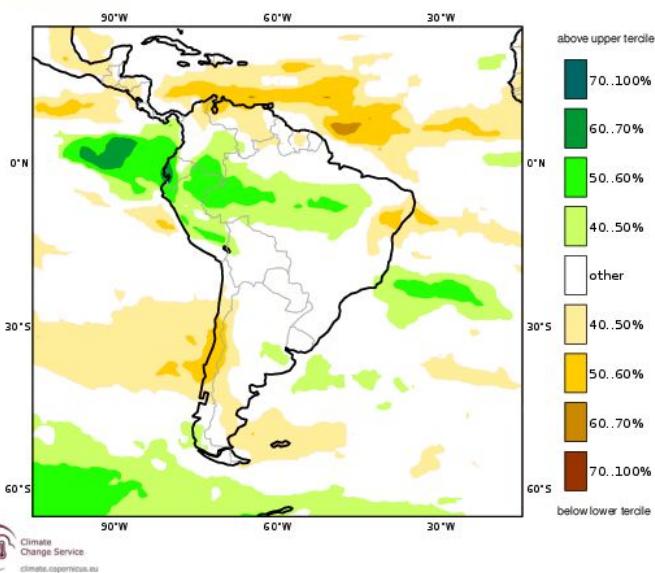


Previsão Sazonal de Chuva Multi-Modelo

Maio-Junho-Julho

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)

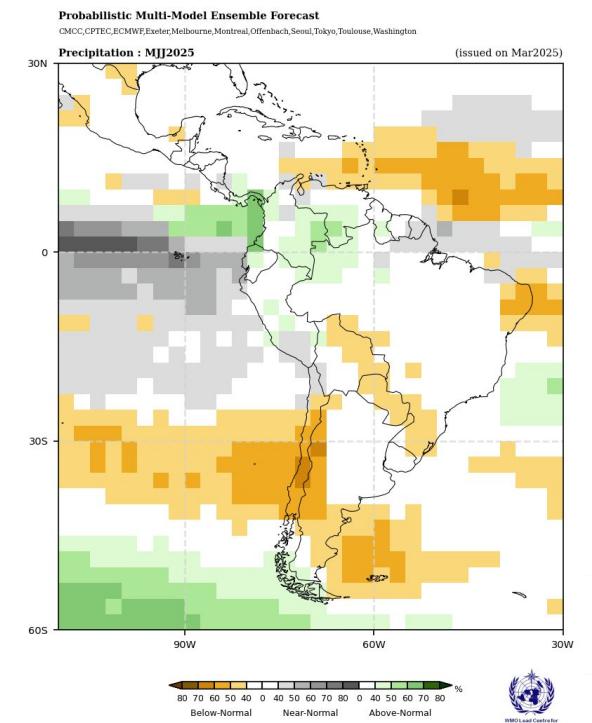
Nominal forecast start: 01/04/25
Unweighted mean



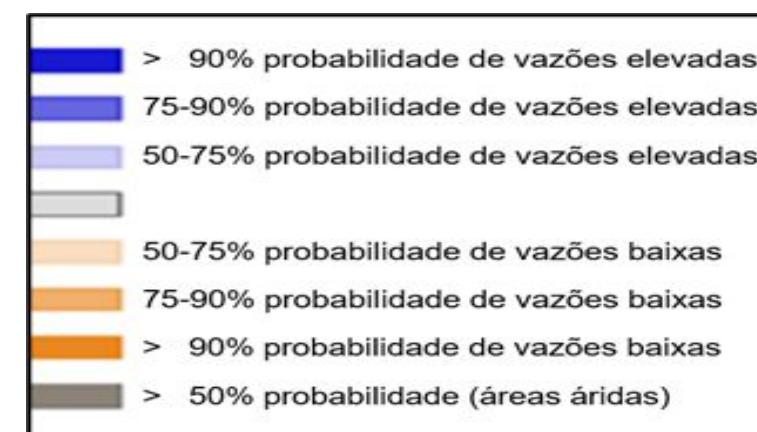
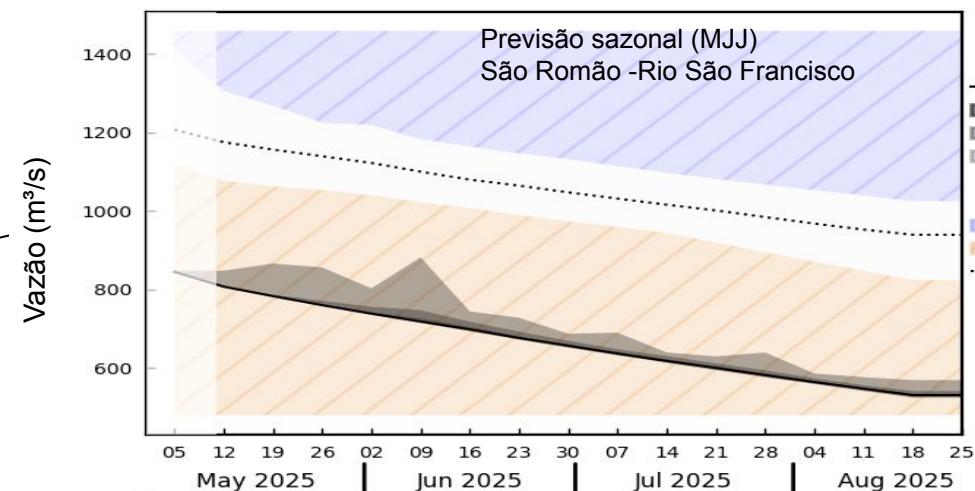
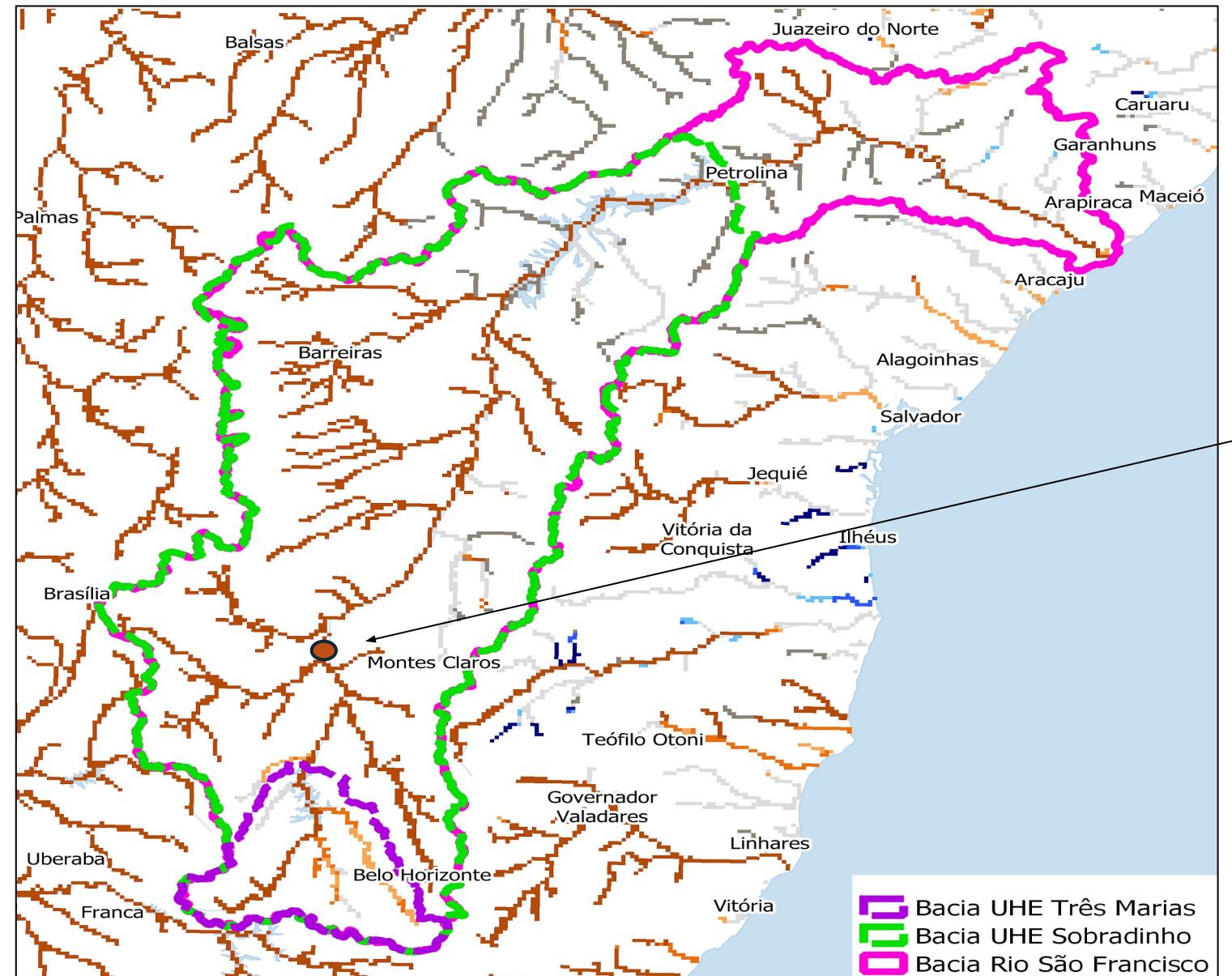
Modelos Europeus

Modelos Norte Americanos

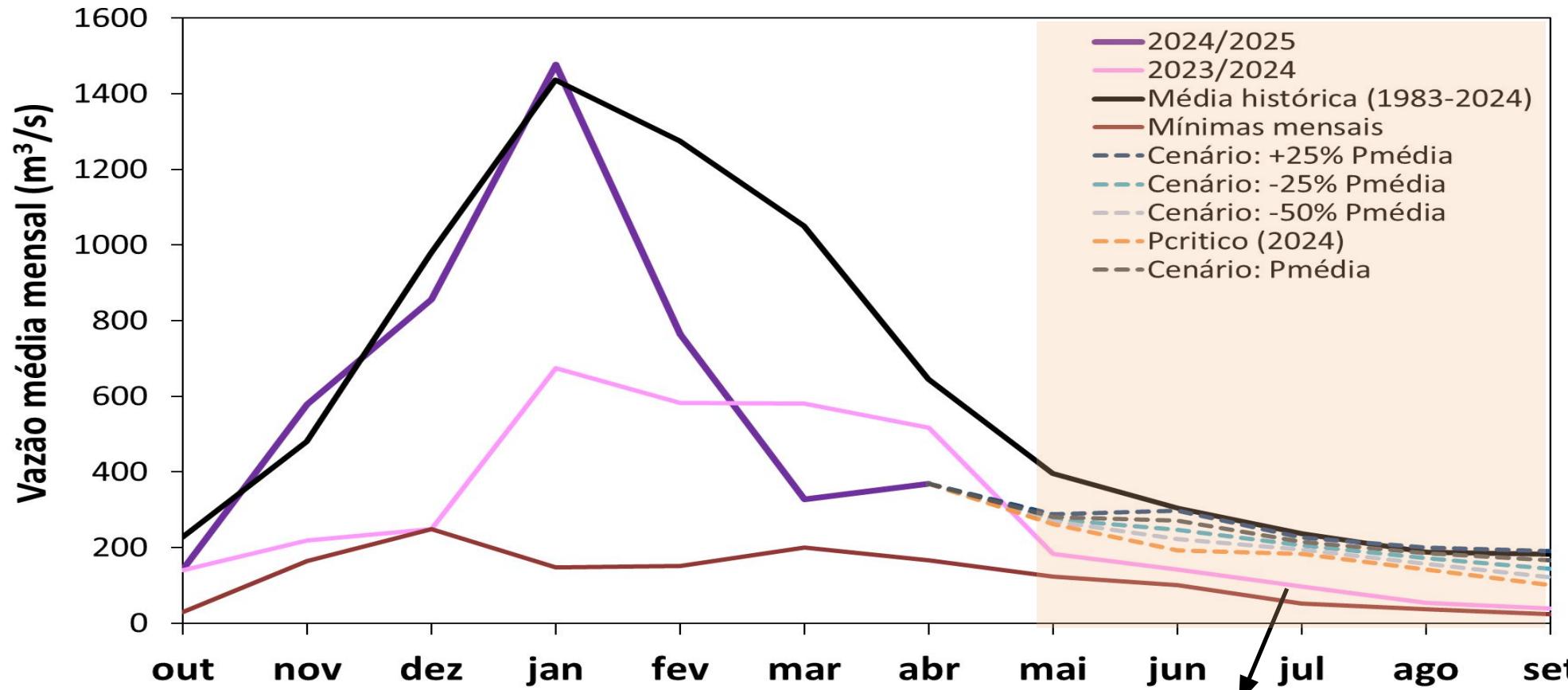
Modelos da WMO



Previsão Sazonal de Vazão (maio, junho e julho-MJJ) do Sistema global de previsão de vazão (Global Flood Awareness System-GloFAS) para a Bacia do Rio São Francisco



Três Marias: Projeção de Vazão (Modelo hidrológico PDM-CEMADEN)



Maio-Set (Meses secos 2025)

MLT: 261 m^3/s

Vazão	% MLT
240 m^3/s	92%
224 m^3/s	86%
209 m^3/s	80%
193 m^3/s	74%
176 m^3/s	67%