

Monitoramento e Previsões para a Bacia do rio Araguaia-Tocantins

ABRIL 2025

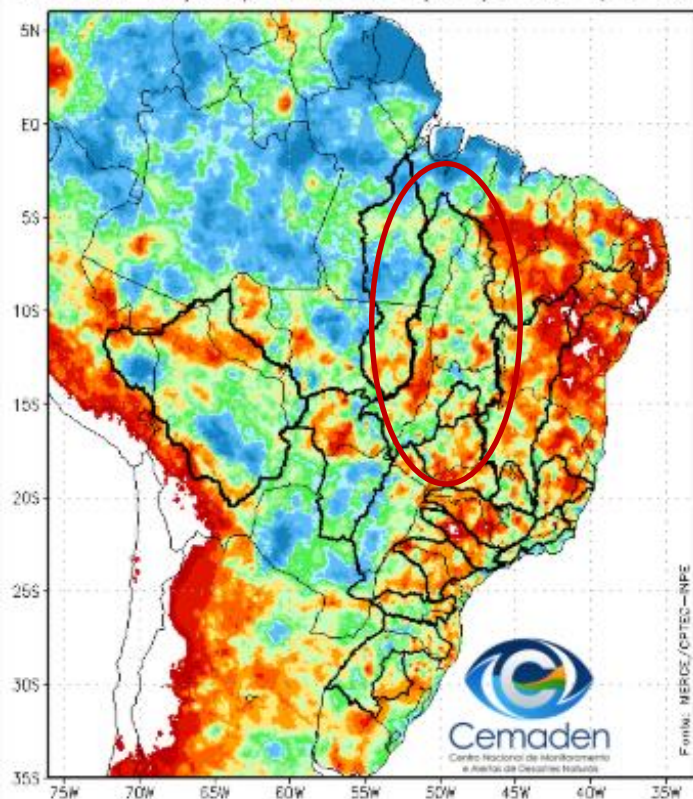


MINISTÉRIO DA
**CIÊNCIA, TECNOLOGIA
E INOVAÇÃO**

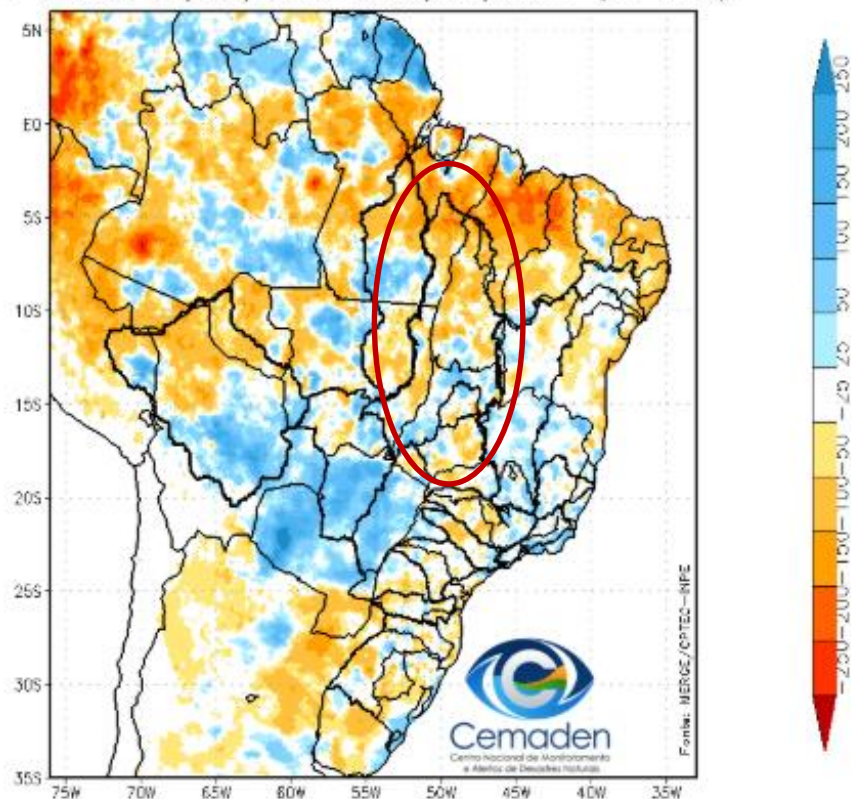


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 22/03/2025 a 21/04/2025 (30 dias)



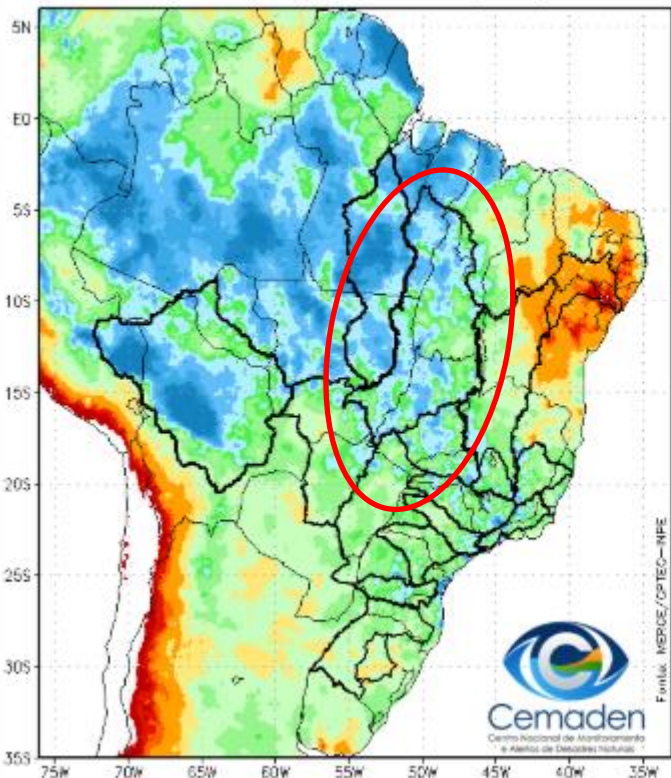
Anomalia de Precipitação (mm) A.S.
Período: 22/03/2025 a 21/04/2025 (30 dias)



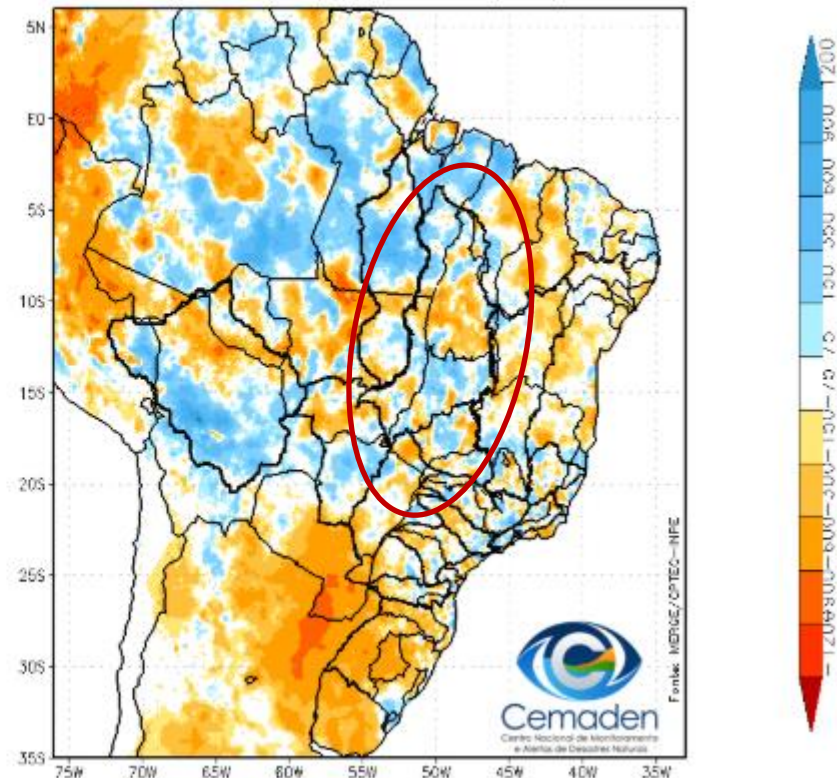
Fonte dos dados: Merge/INPE

Precipitação acumulada no Ano Hidrológico

Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2024 a 21/04/2025



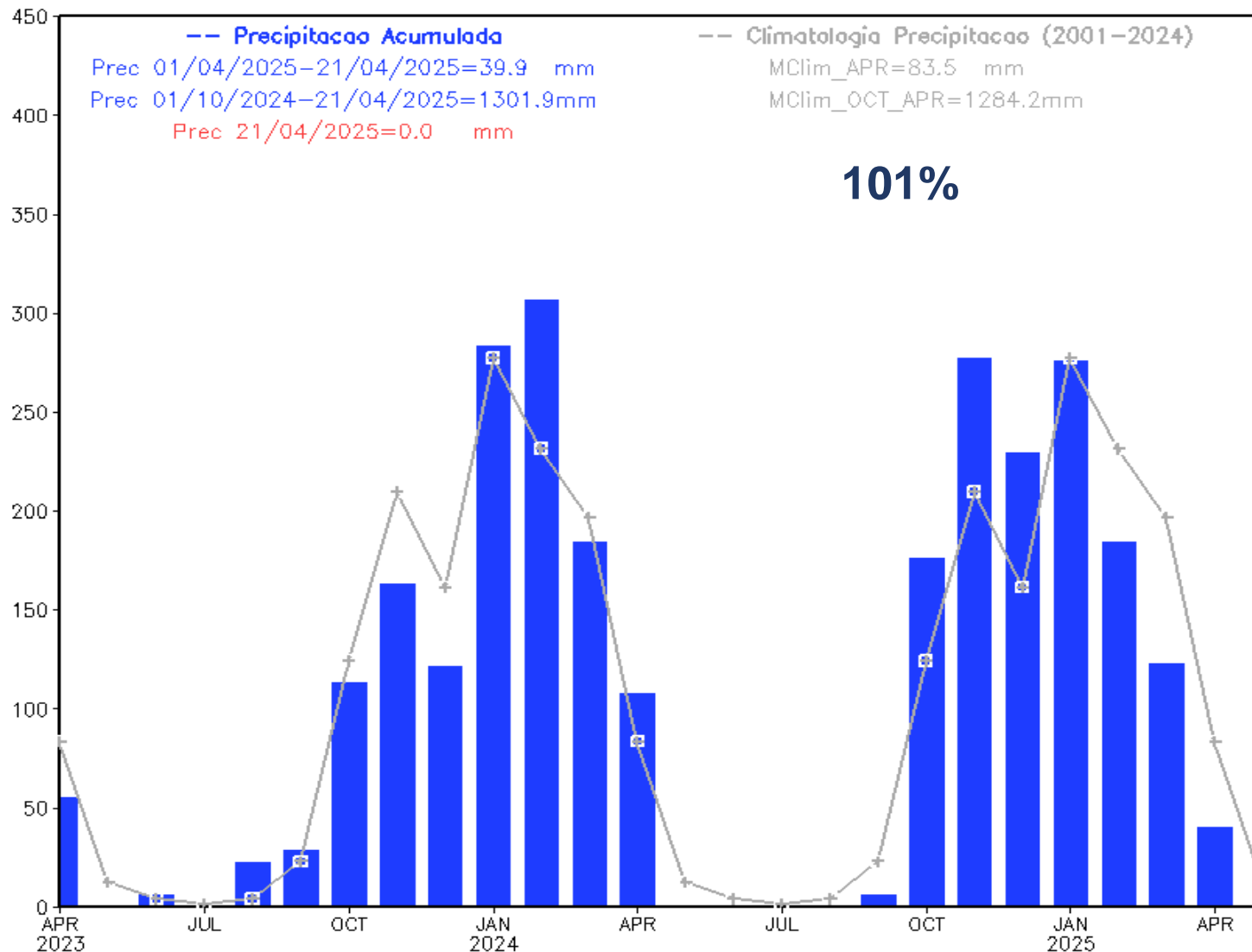
Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2024 a 21/04/2025



Fonte dos dados: Merge/INPE

Precipitação Acumulada nos últimos Dois Anos

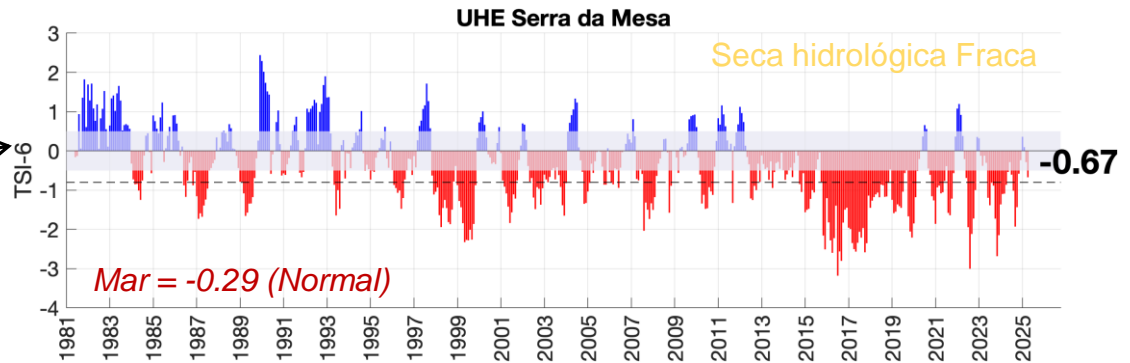
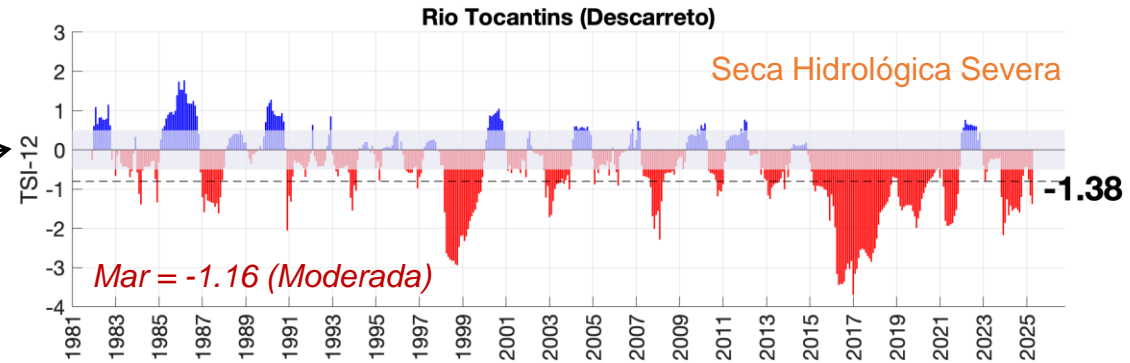
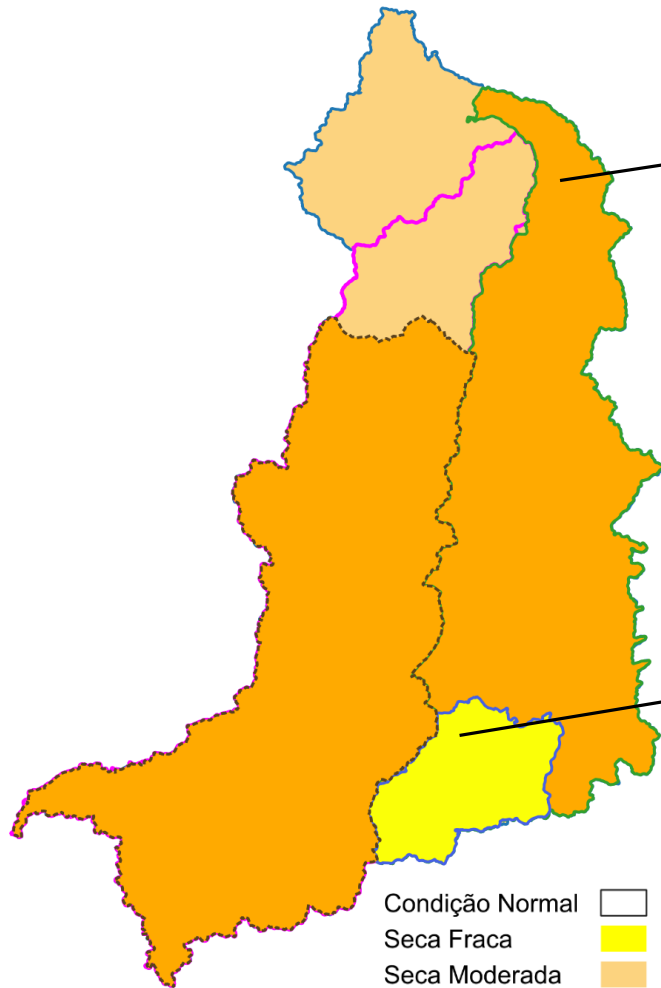
Precipitação Bacia do Rio Tocantins desde APR 2023



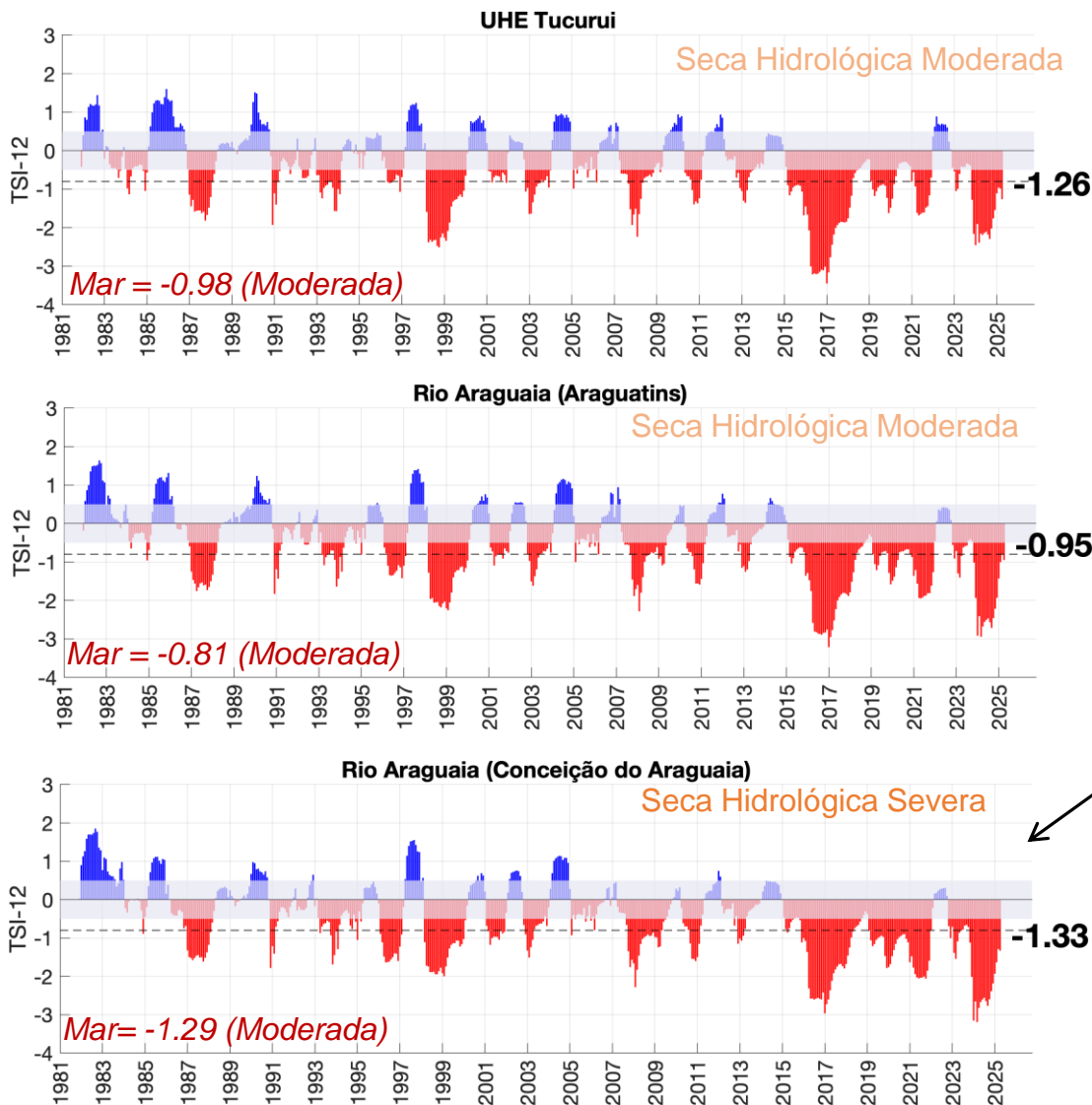
Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Escala de longo prazo

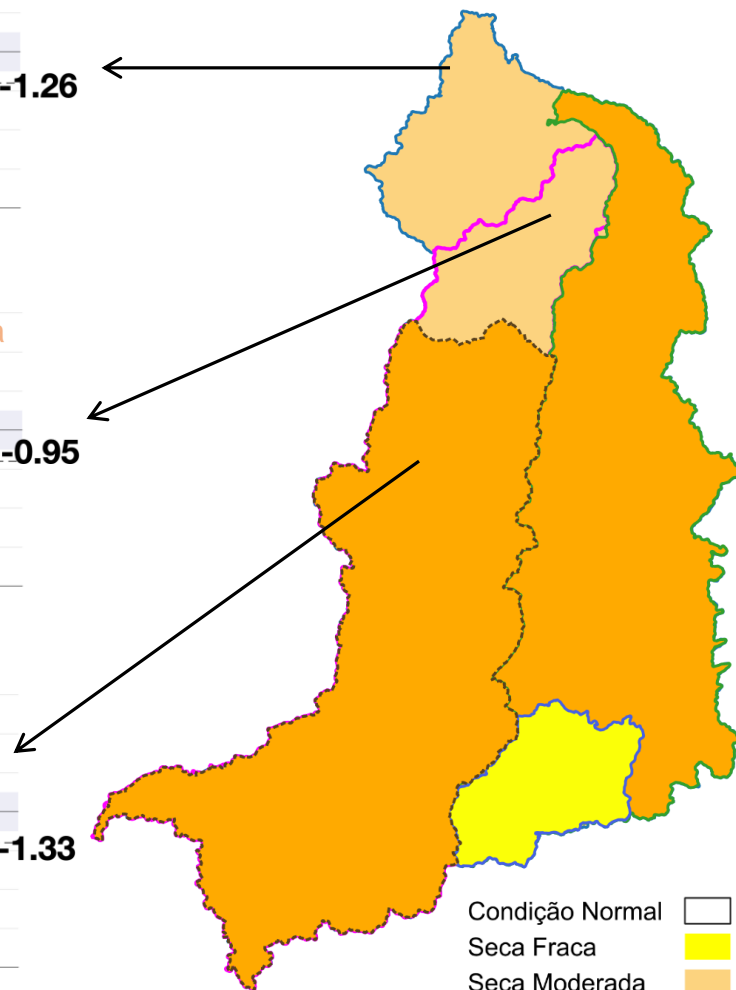
Abril/2025



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

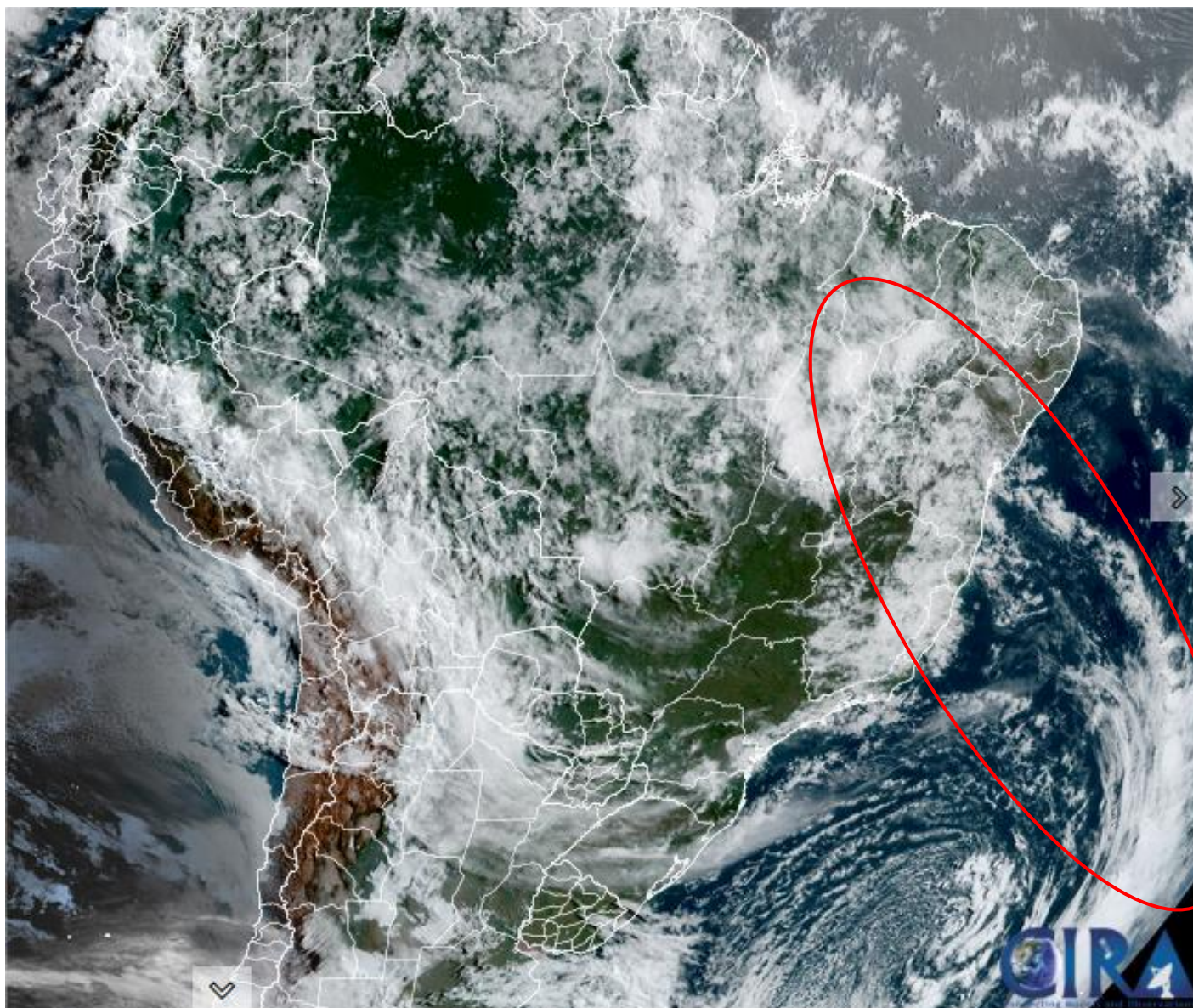


Abril/2025



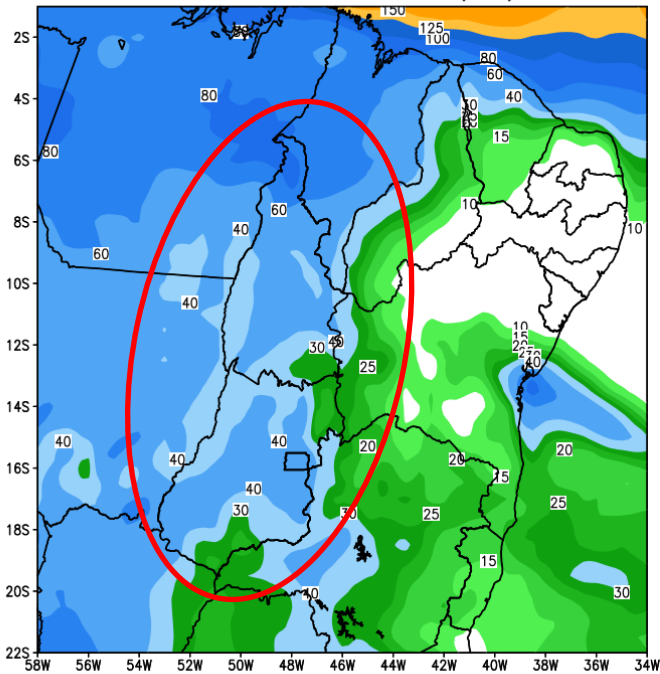
Fonte: CEMADEN
Dados: Precipitação (Cemaden/INMET/CHIRPS) e
Vazão (ONS/ANA) - Jan/1981-Fev/2025.

Situação meteorológica atual

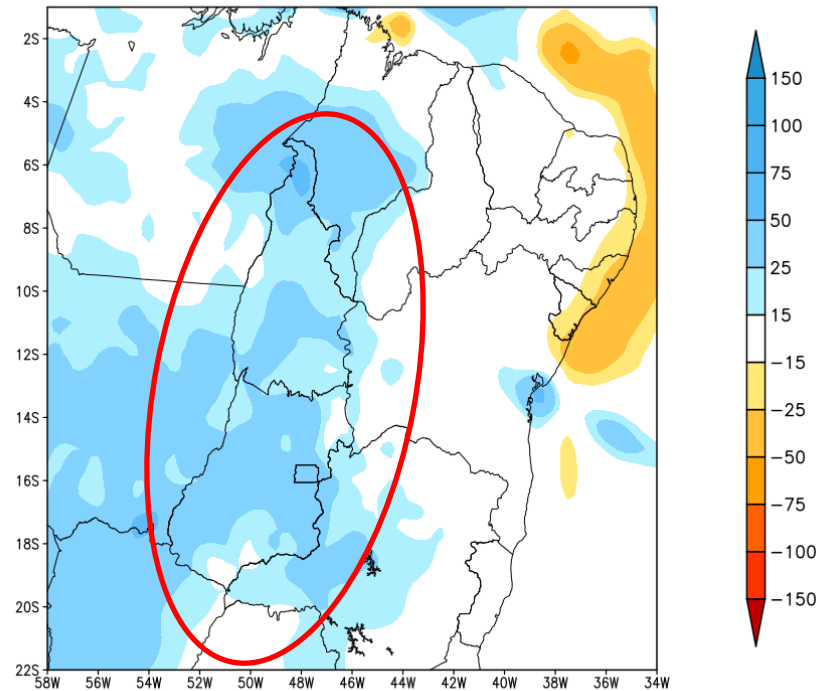


Previsão de chuva - 1a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 22/04/2025



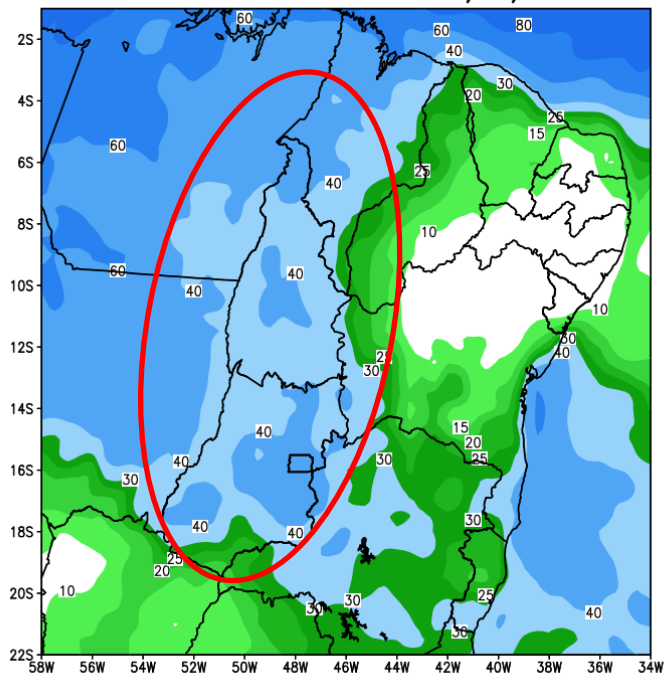
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2025042200 a 2025042900



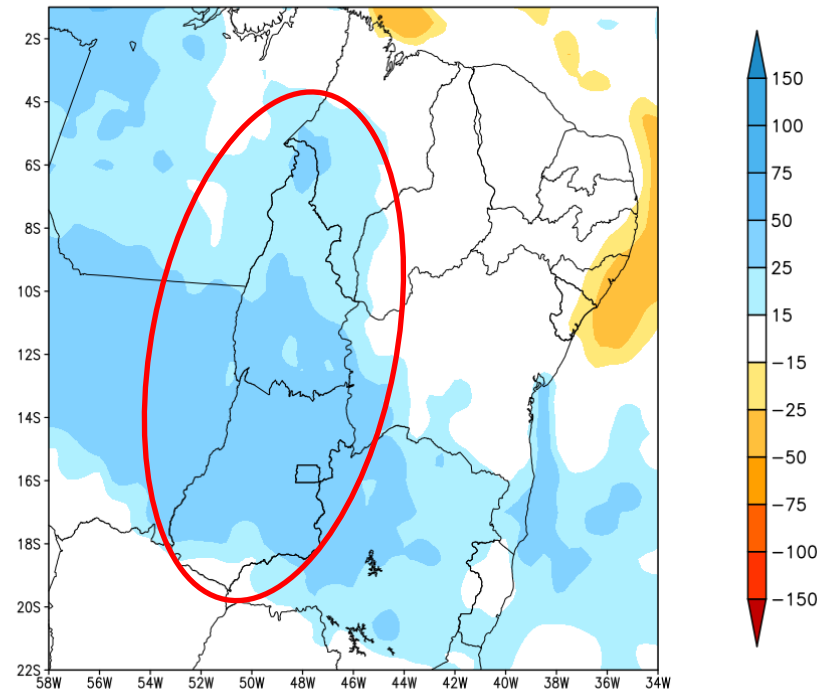
Fonte: GEFS/NOAA

Previsão de chuva - 2a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 22/04/2025



Anomalia de Precipitacao BR_NE (mm)
Periodo: 2025043000 a 2025050600

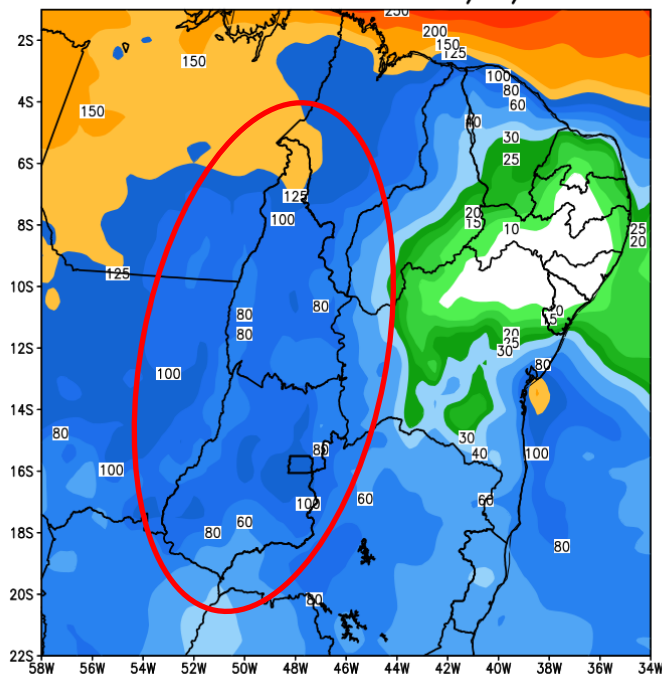


Previsão de chuva - acumulada 2 semanas

GEFS / BRASIL_NE

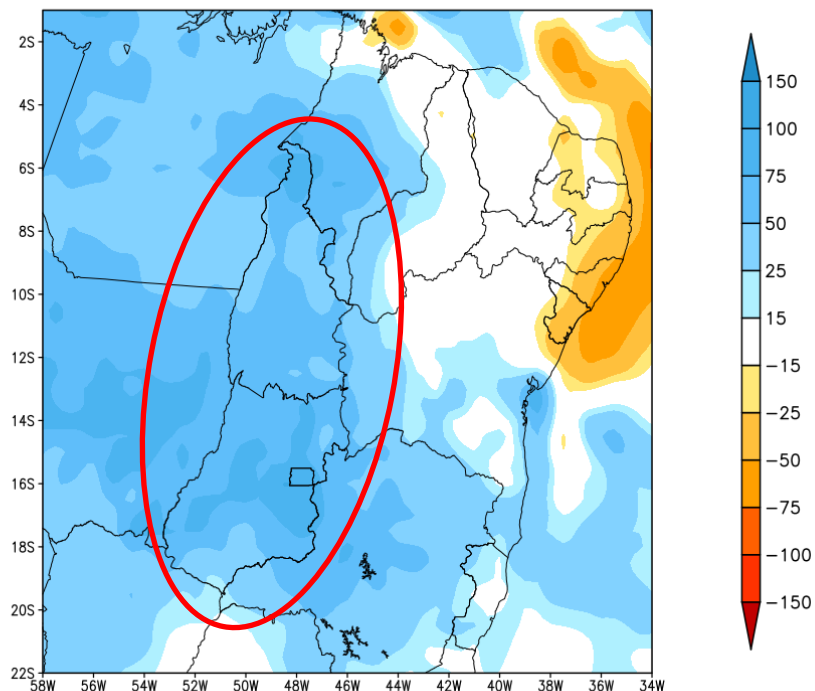
Precipitacao acumulada 14dias (mm)

Previsao das 00Z dia 22/04/2025



Anomalia de Precipitacao BR_NE (mm)

Periodo: 2025042200 a 2025050600

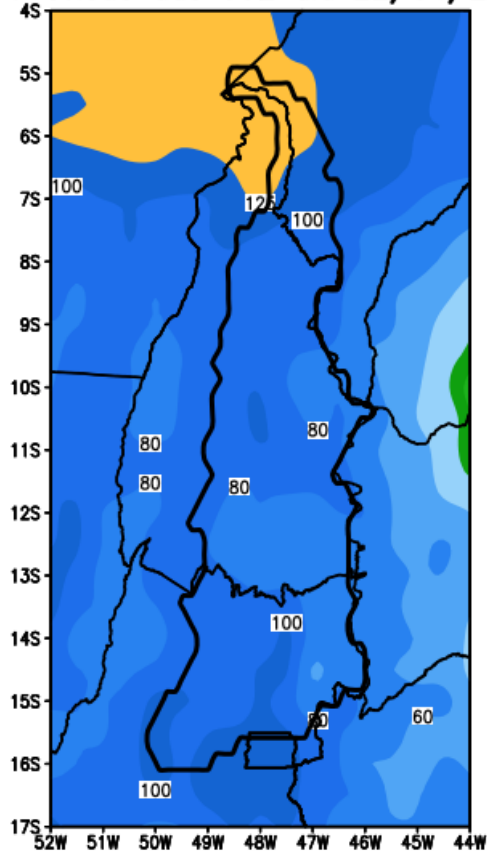


Previsão Bacia Rio Tocantins

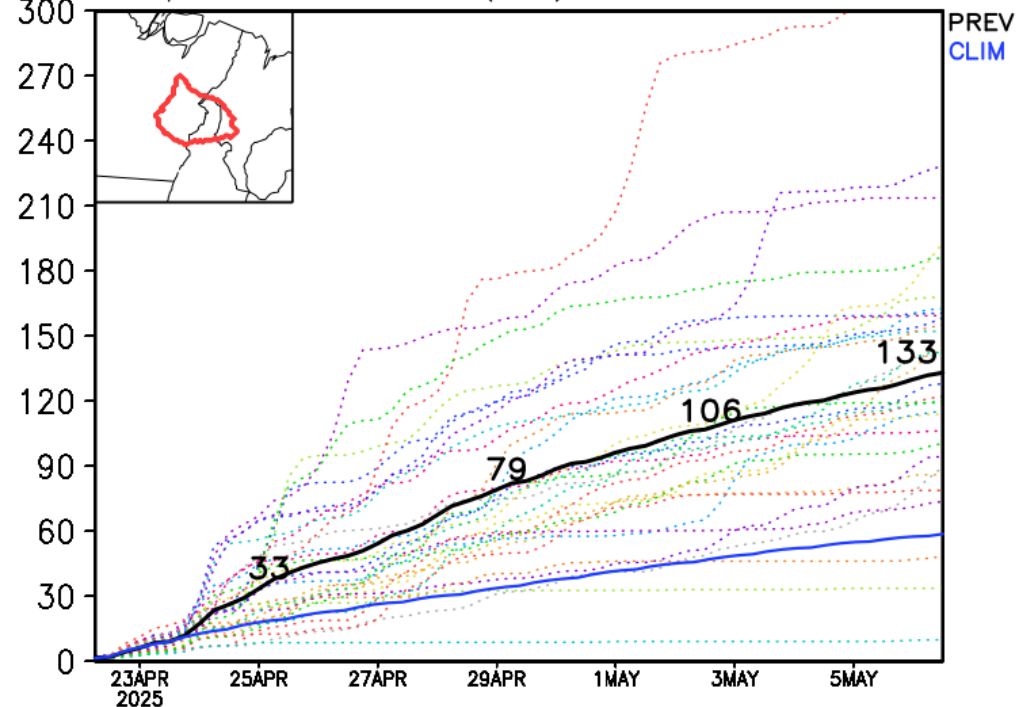
GEFS / Bacia Tocantins

Precipitação acumulada em 14 dias (mm)

Previsão das 00Z dia 22/04/2025



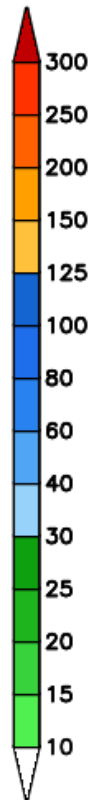
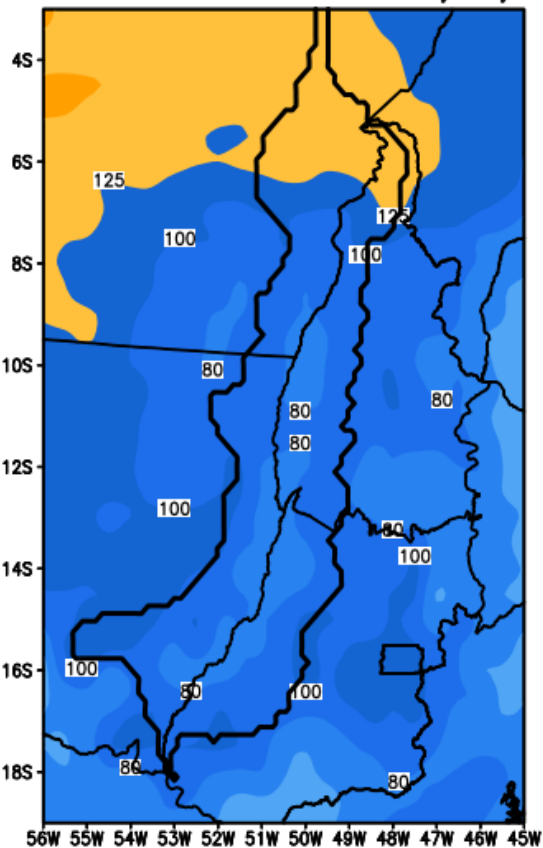
Precipitação acumulada (mm): Bacia Tocantins–Baixo



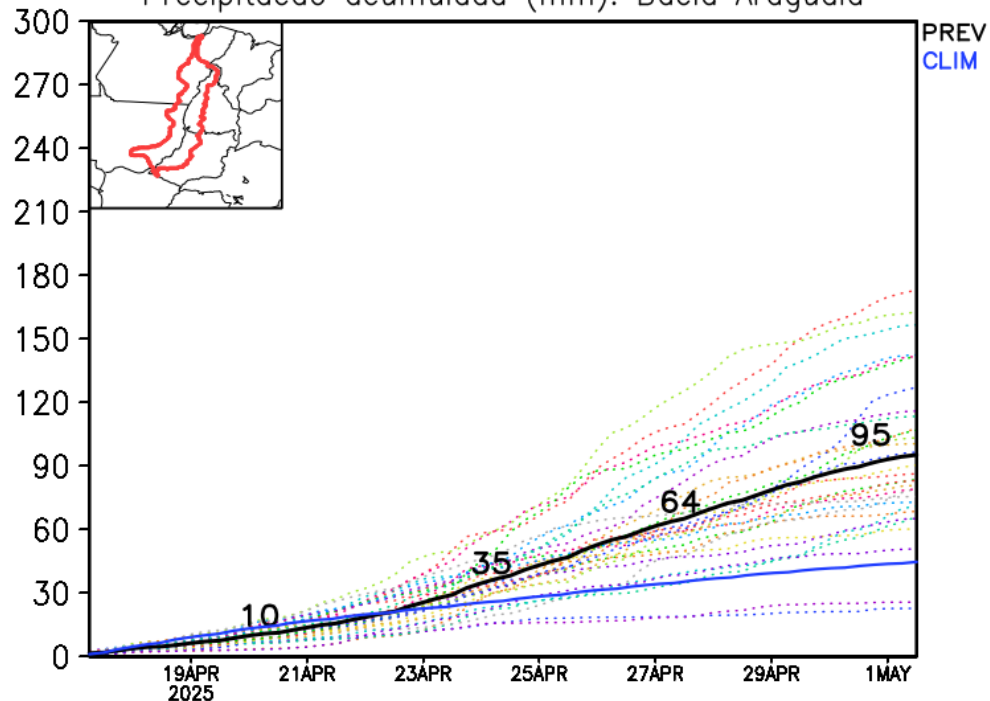
Fonte: GEFS/NOAA

Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 22/04/2025

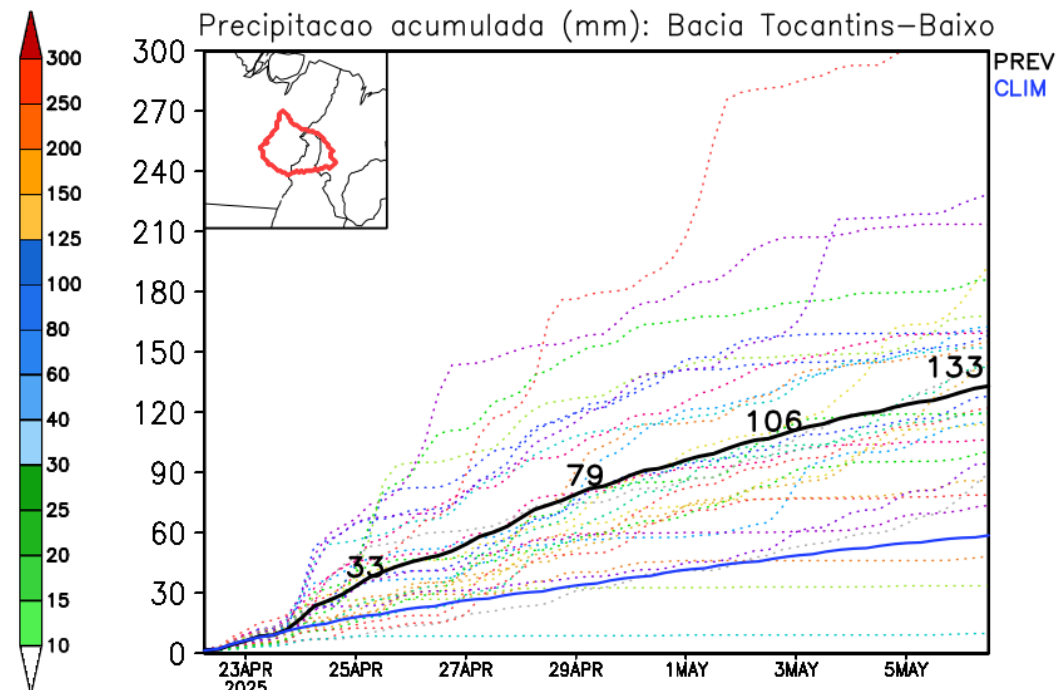
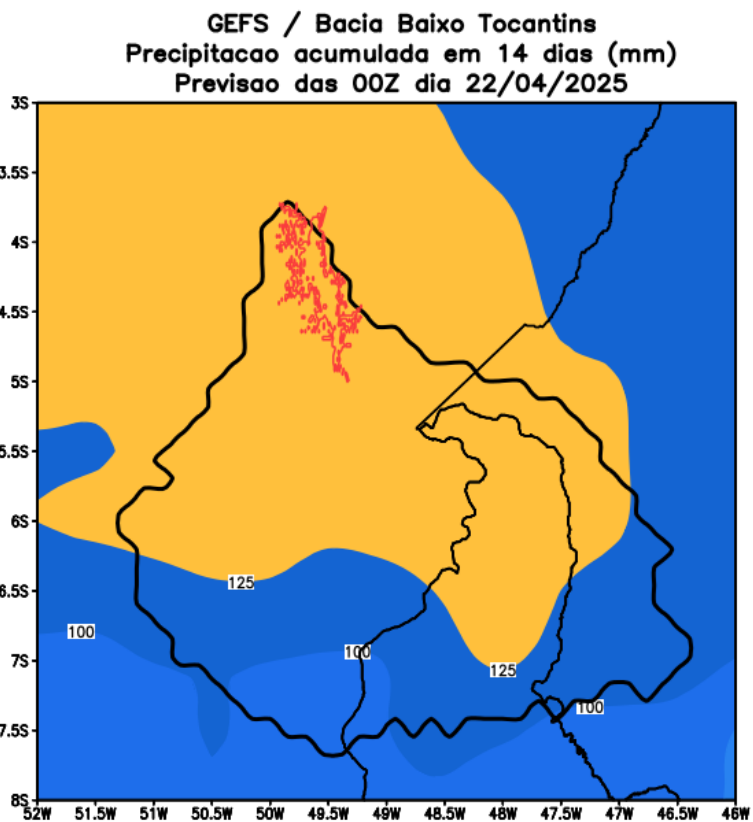


Precipitação acumulada (mm): Bacia Araguaia



Fonte: GEFS/NOAA

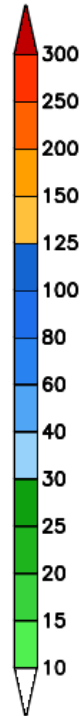
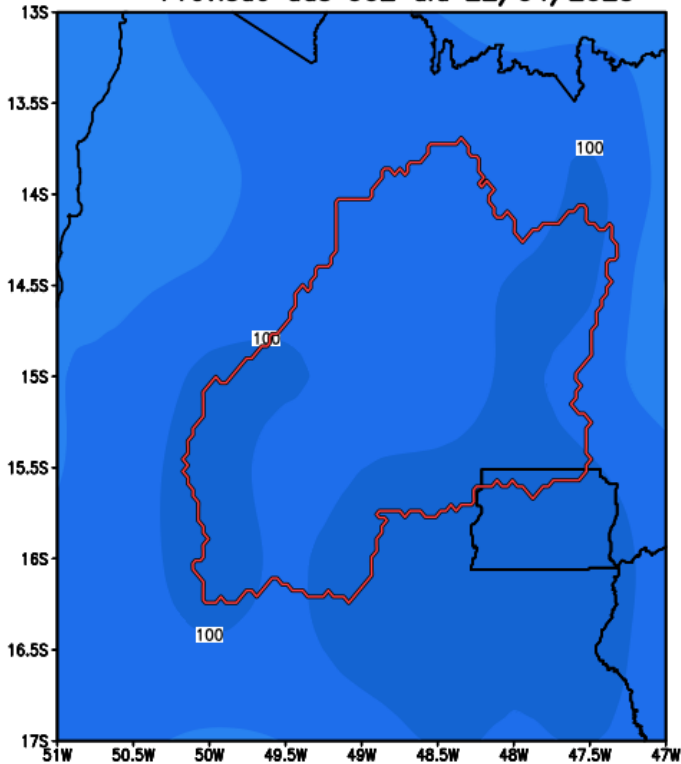
Previsão Bacia Tocantins (Baixo)



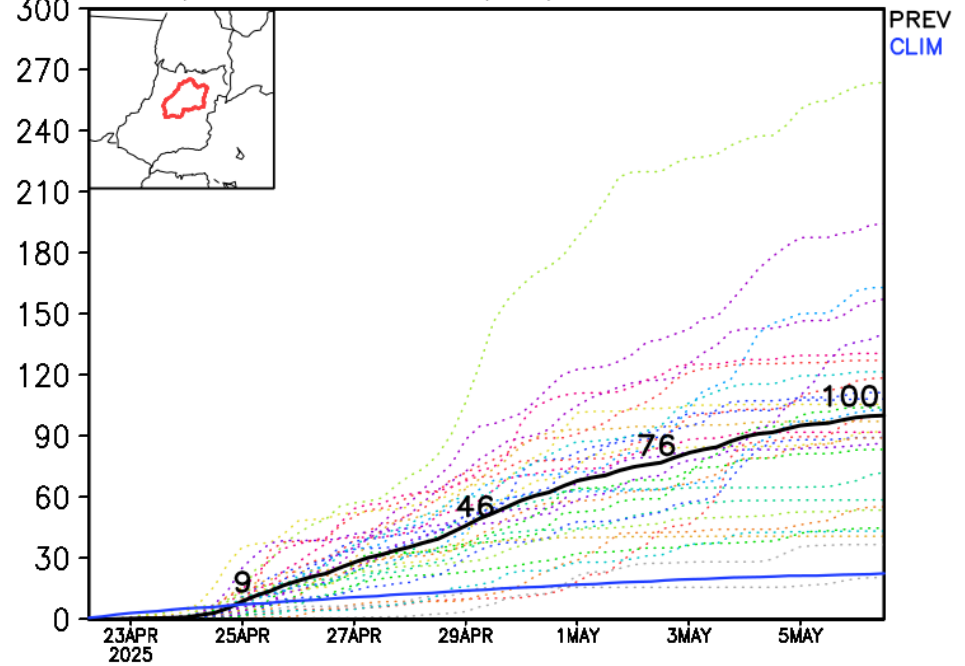
Fonte: GEFS/NOAA

Previsão Bacia Serra da Mesa

GEFS / Bacia Serra da Mesa
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 22/04/2025



Precipitação acumulada (mm): Bacia SerradaMesa

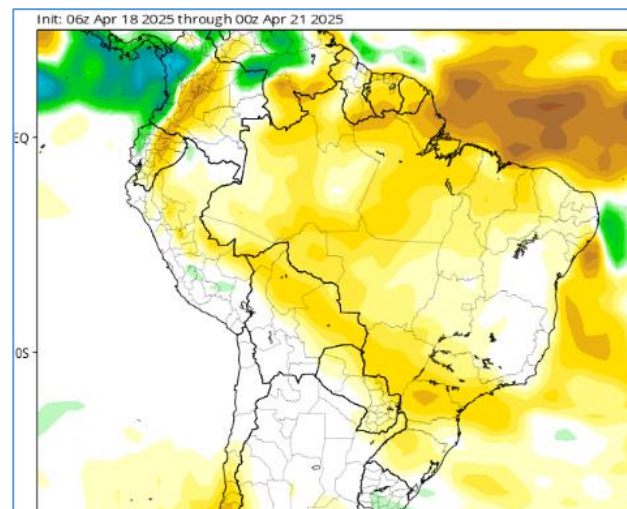
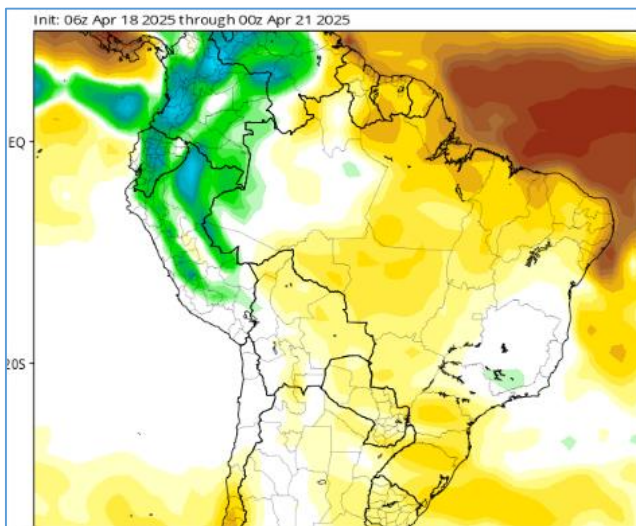


Tendência 3a e 4a semanas

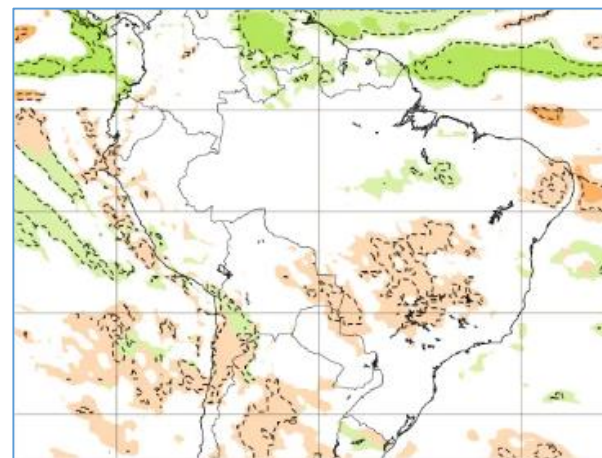
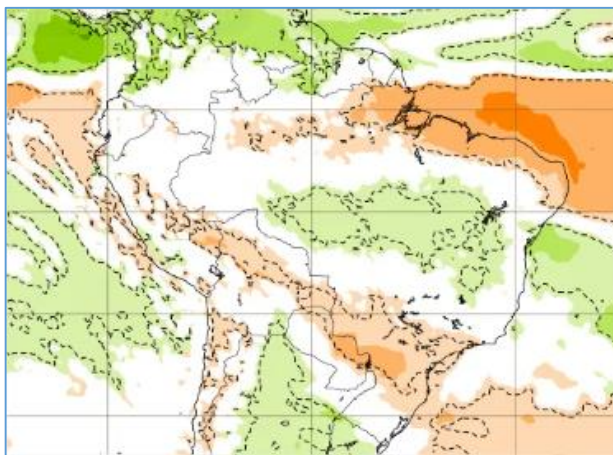
05-12 Maio

12-19 Maio

CFS/NOAA



ECMWF

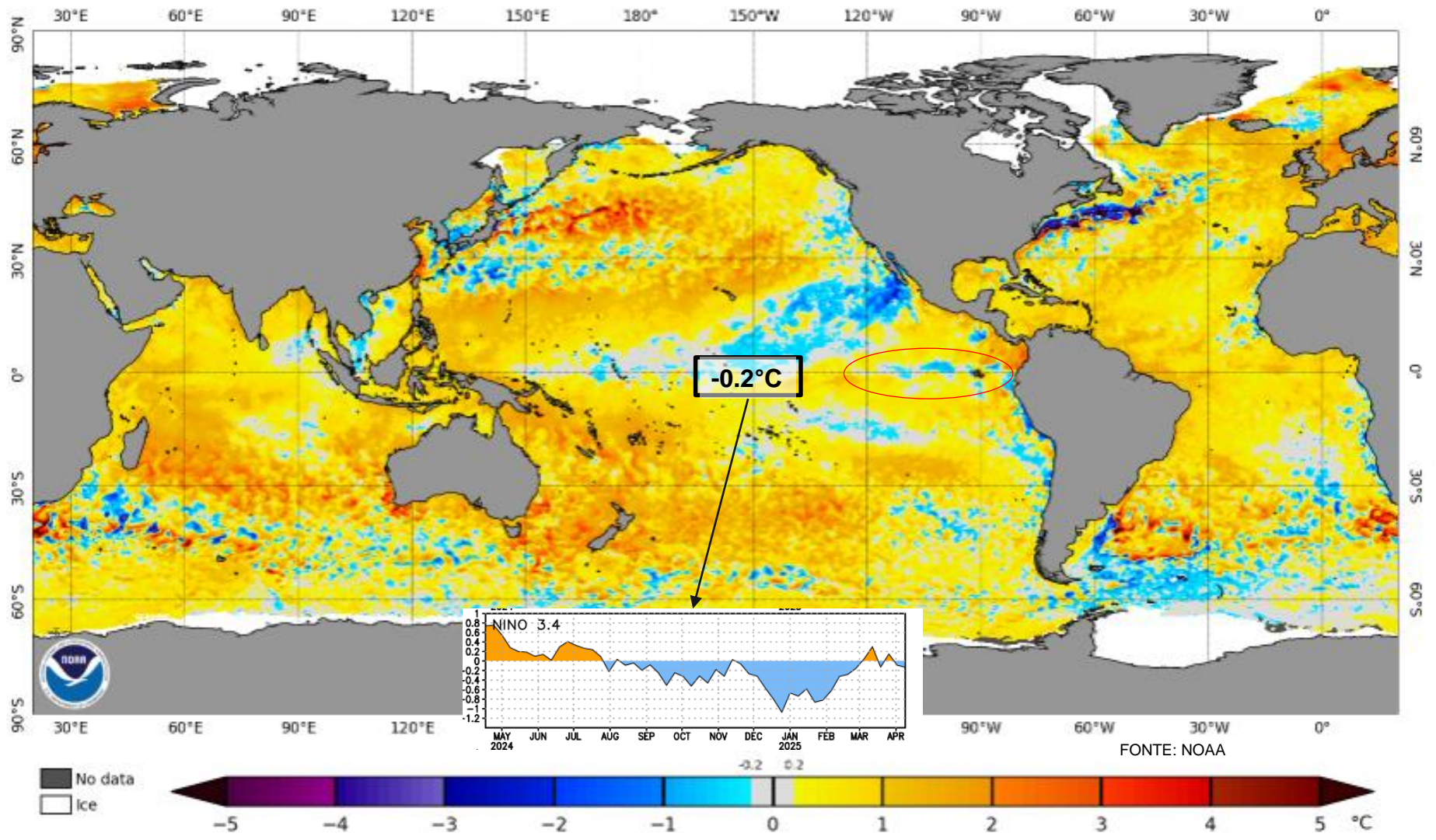


05-12 Maio

12-19 Maio



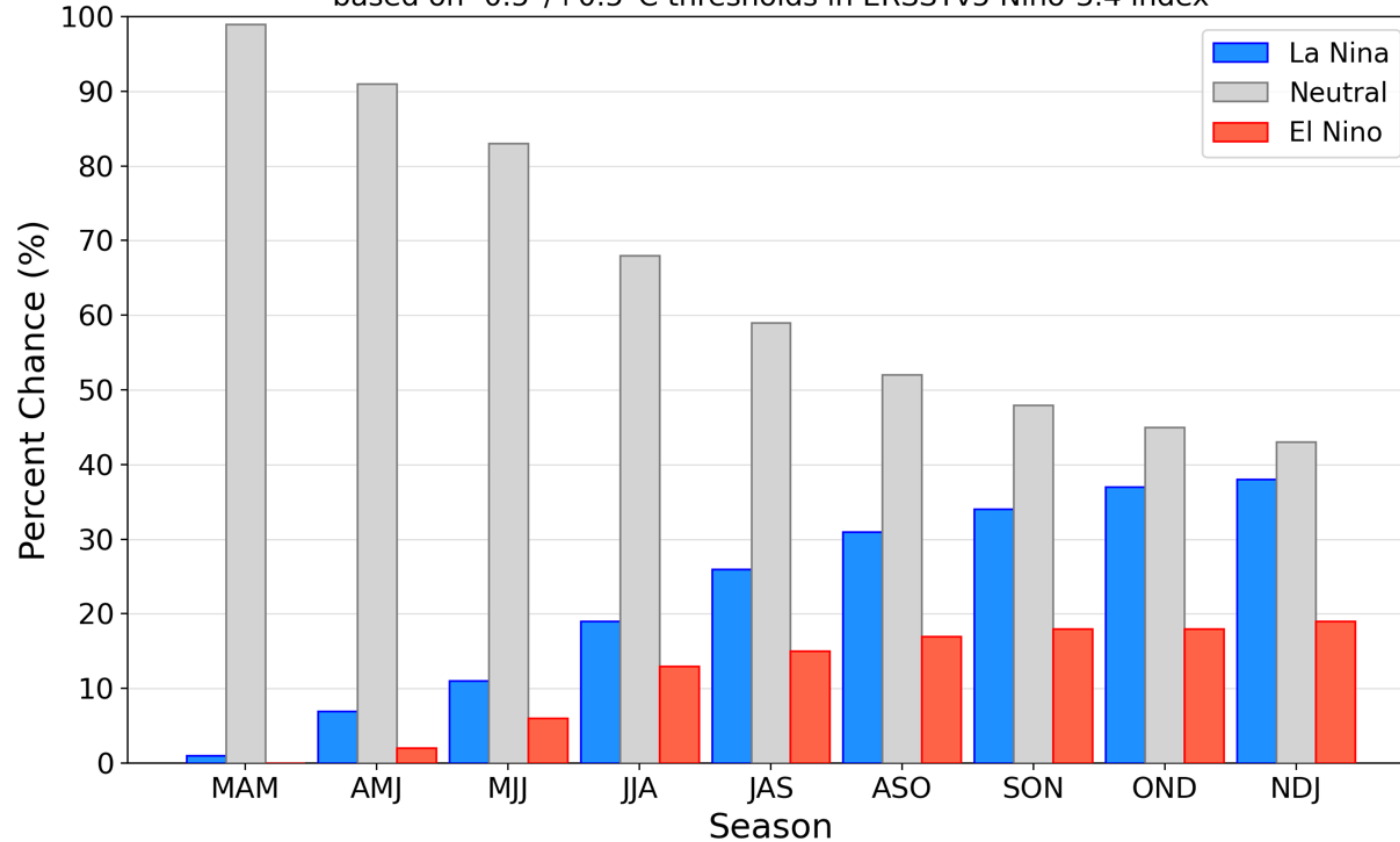
Status Atual: Final do La Niña



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued April 2025)

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

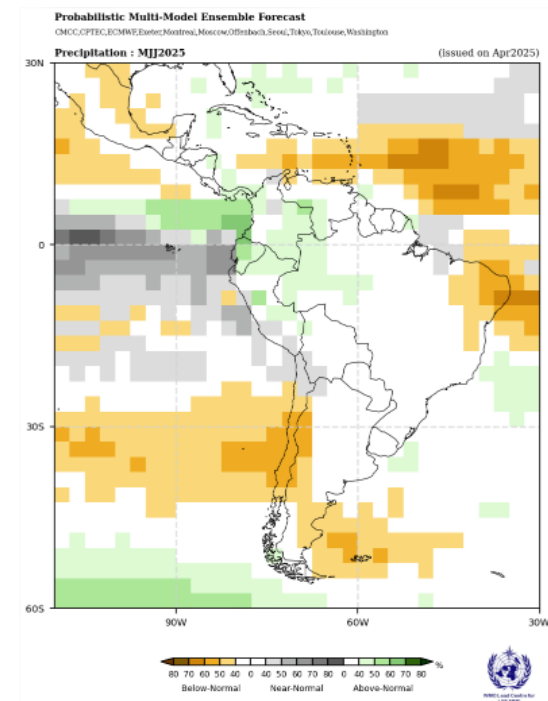
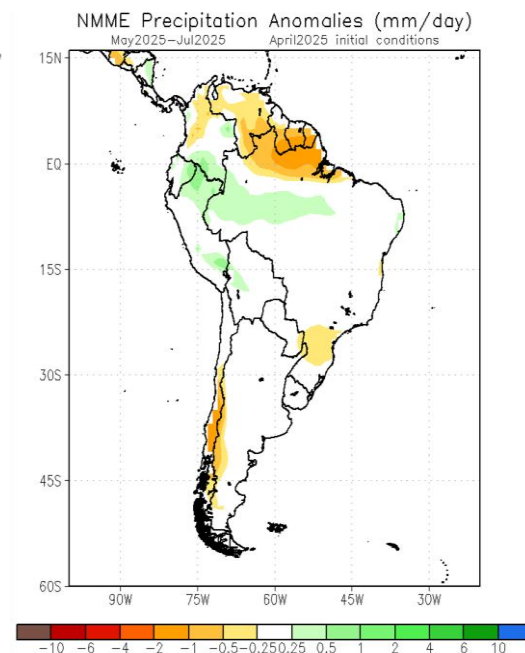
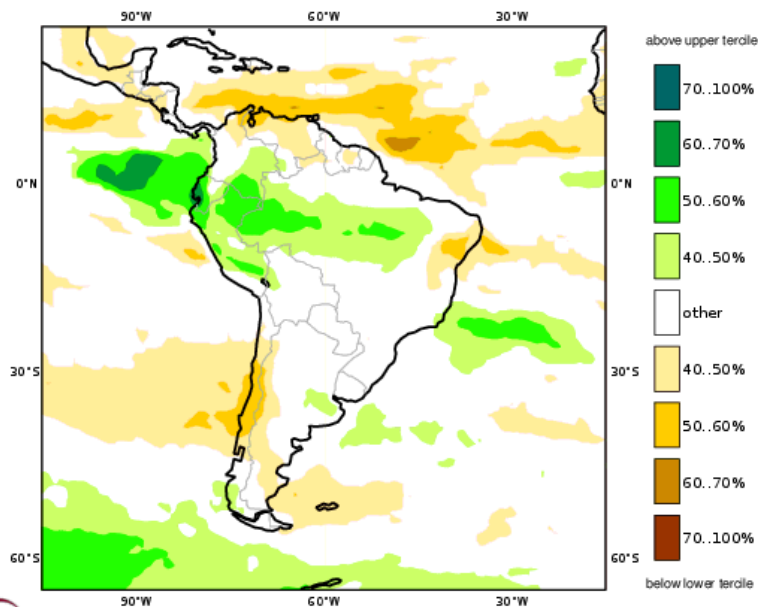


Previsão Sazonal de Chuva Multi-Modelo

Maio-Junho-Julho

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/04/25
Unweighted mean

MJJ 2025



Modelos Europeus

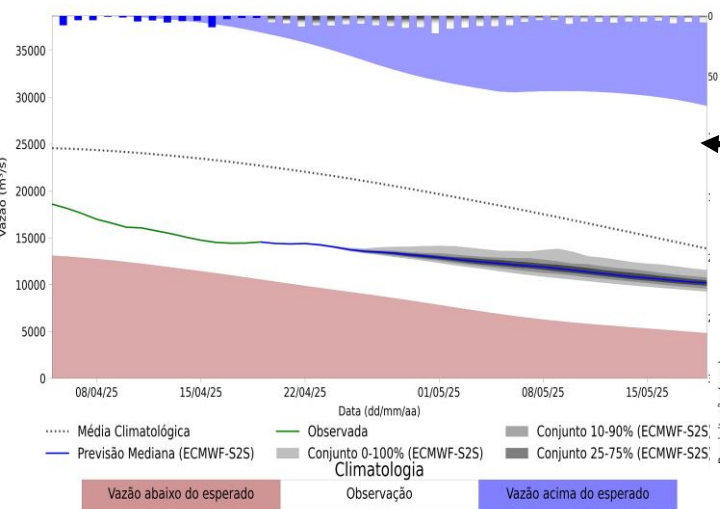
Modelos Norte Americanos

Modelos da WMO

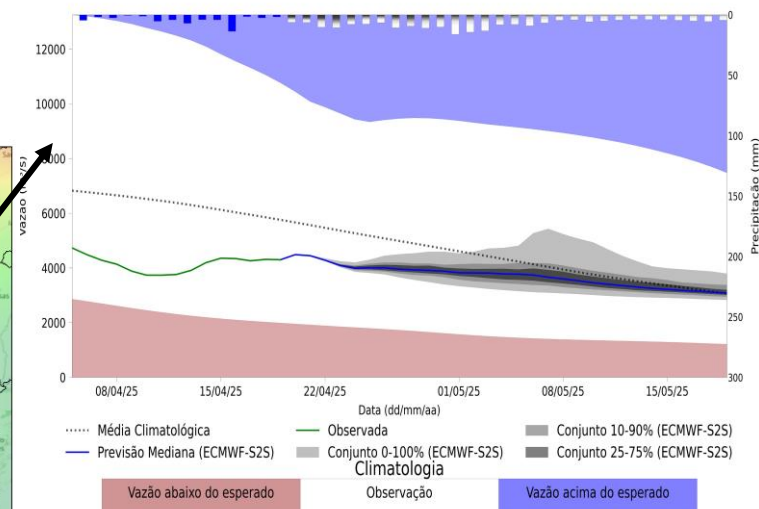
Previsão de vazão natural na Bacia Rio Tocantins-Araguaia 30 dias (Modelo hidrológico MHD)

Previsão: 19/04/2025 a 19/05/2025

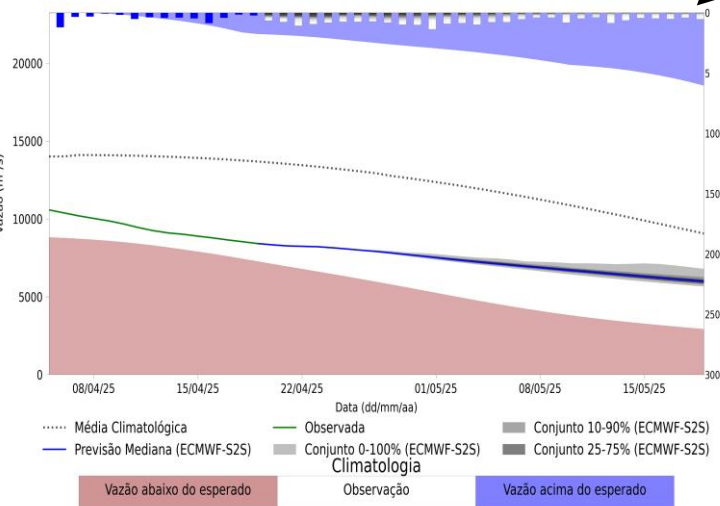
UHE Tucuruí



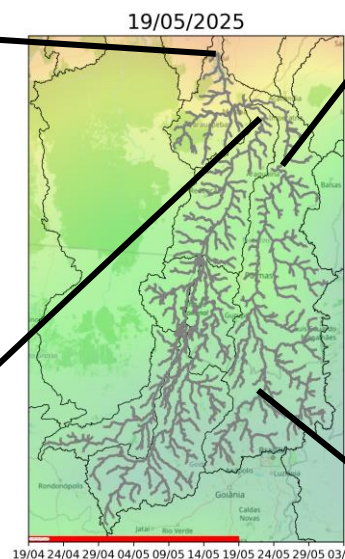
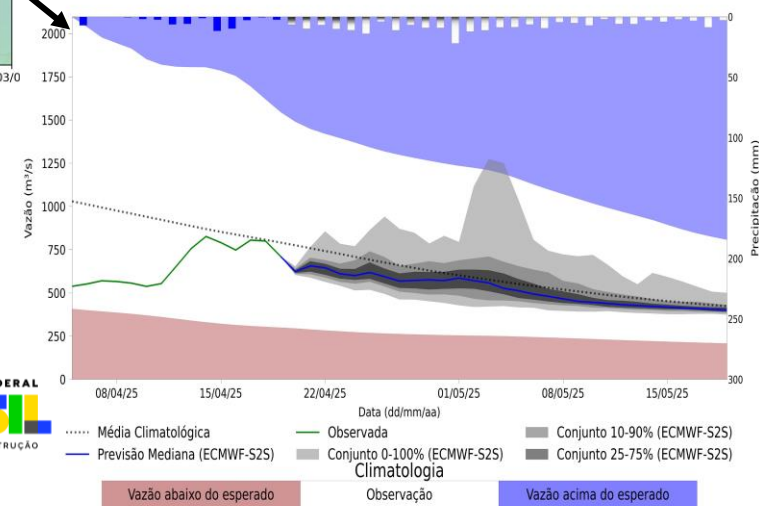
UHE Estreito



Araguatins - TO



UHE Serra da Mesa



Fonte: Meteorologia (INMET/MERGE);
Vazão (ANA/ONS)
MLT: 1993-2023
Previsão Meteorológica: ECMWF-S2S



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