

Monitoramento e Previsões para a Bacia do rio Araguaia-Tocantins

MAIO 2026

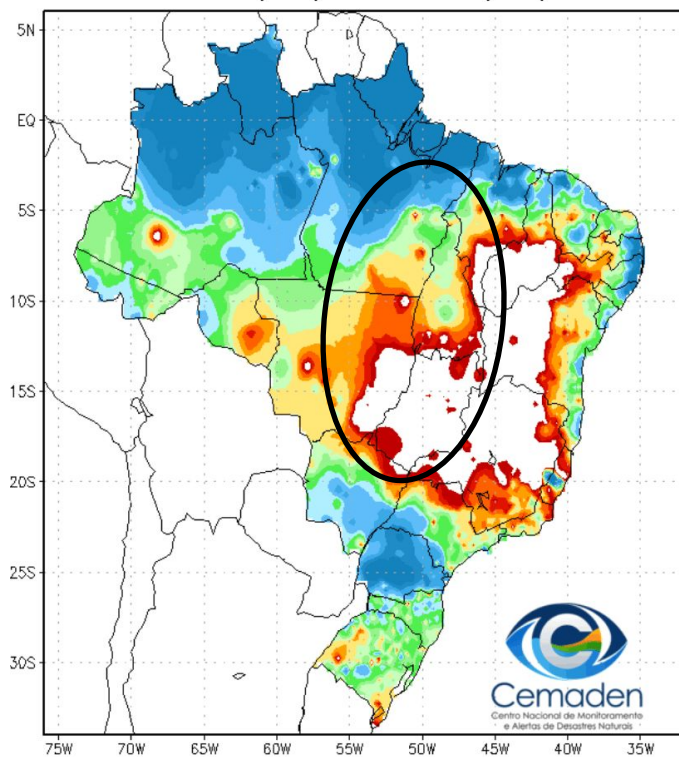


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

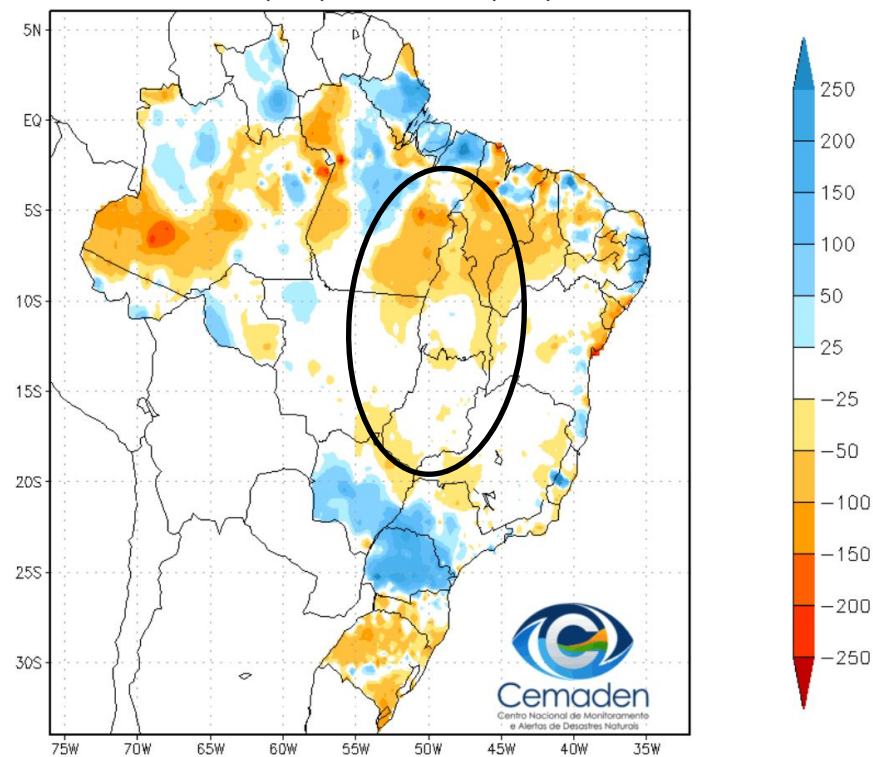


Precipitação acumulada últimos 30 dias

Precipitação Acumulada (mm)
Período: 25/04/2026 a 25/05/2026

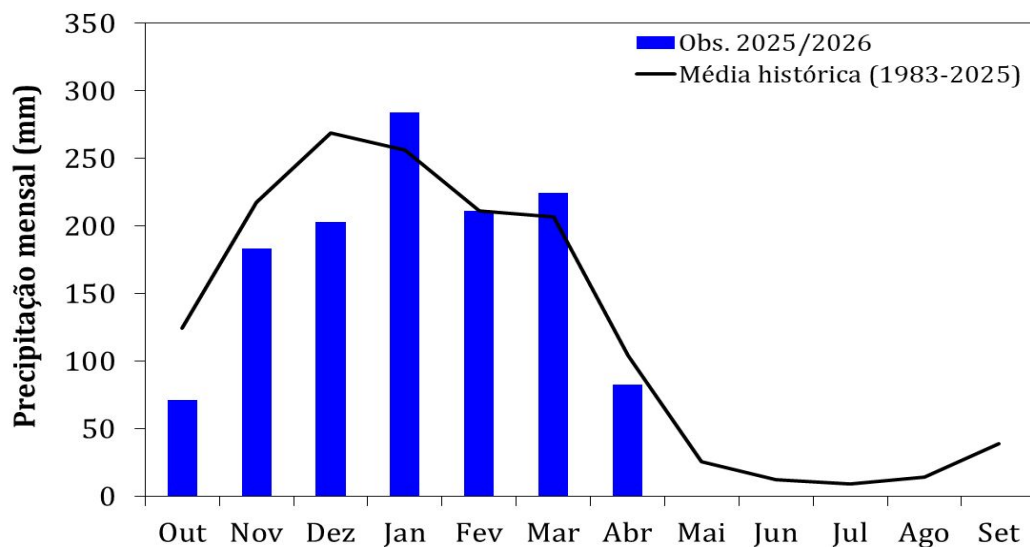


Anomalia de Precipitação (mm)
Período: 25/04/2026 a 25/05/2026



Fonte dos dados: Merge/INPE

Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1390 mm

2024/2025: 1355 mm (**97% da MLT**)

2025/2026: 1260 mm (**91% da MLT**)

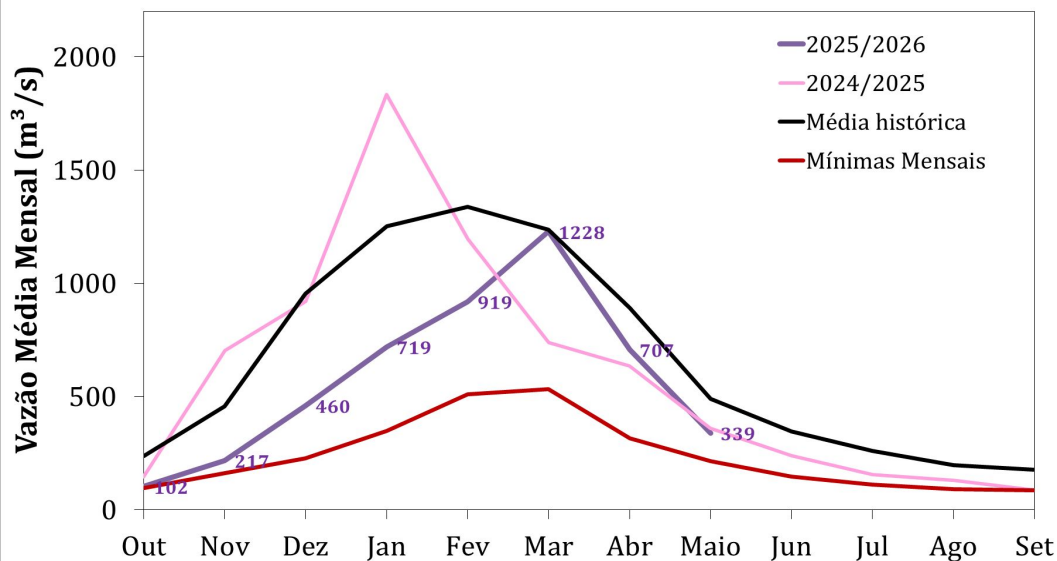
Estação Seca - Maio a Set – 100 mm

2024: 2 mm (**2% da MLT**)

2025: 24 mm (**23% da MLT**)

Maio/2026*: 0 mm (MLT = 26 mm)

*Até 25/05/2026



Vazão

Estação Chuvosa - Out a Abr – 909 m³/s

2024/2025: 881 m³/s (**97% da MLT**)

2025/2026**: 622 m³/s (**68% da MLT**)

Estação Seca - Maio a Set – 293 m³/s

2024: 183 m³/s (**62% da MLT**)

2025: 194 m³/s (**66% da MLT**)

Maio/26: 339 m³/s (69% da MLT)**

25/Maio: 280 m³/s (57% da MLT)

**Até 25/05/2026

Média de Longo Termo – MLT = 1983-2025

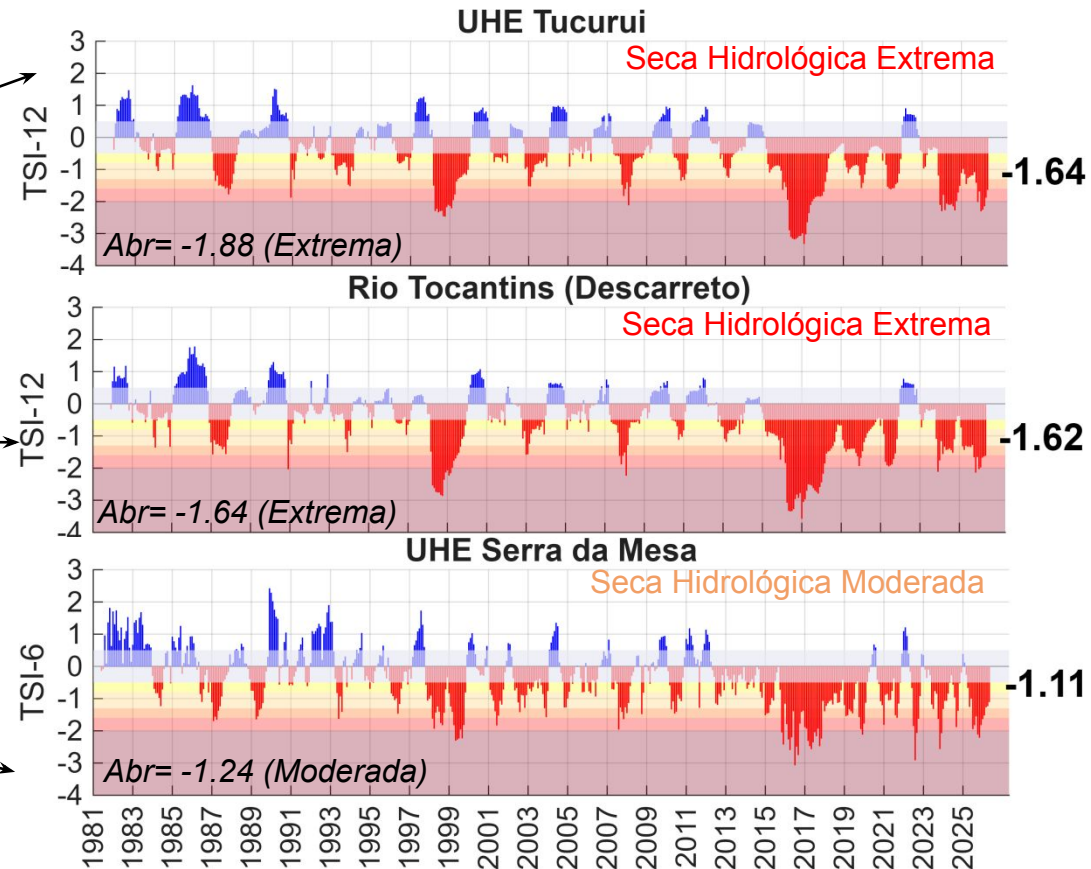
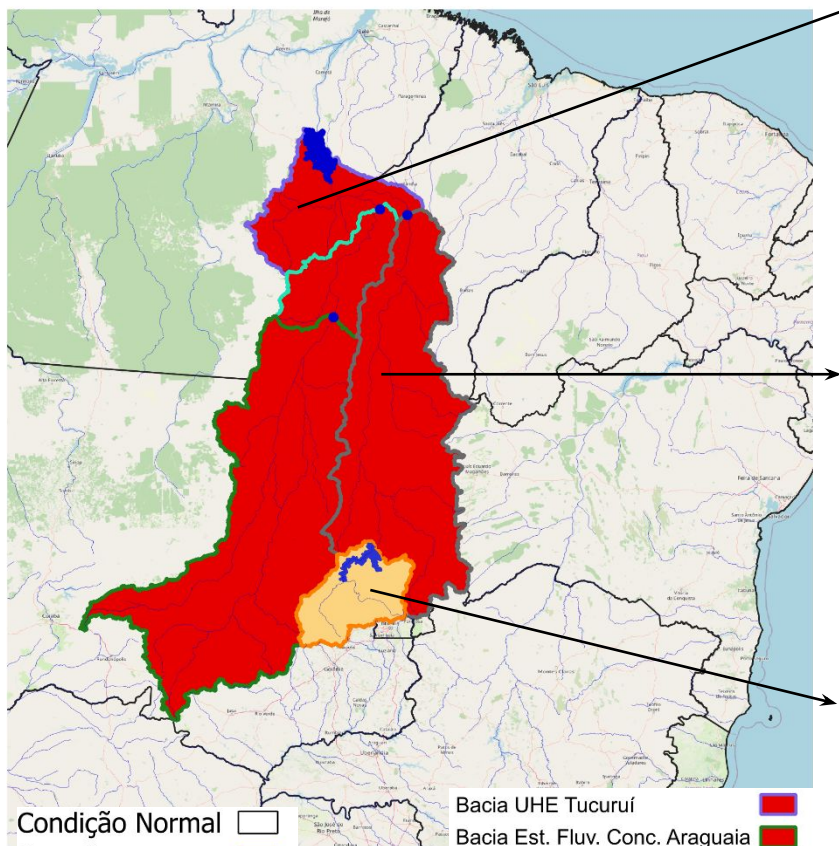
Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

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

Escala de longo prazo

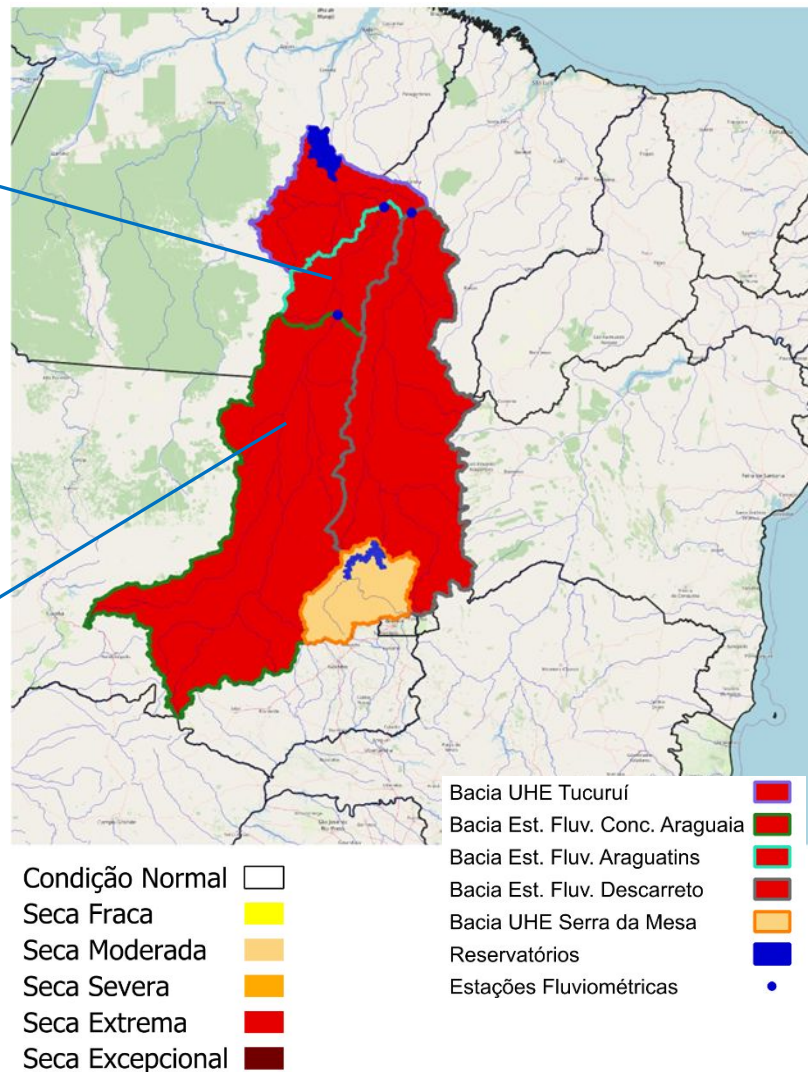
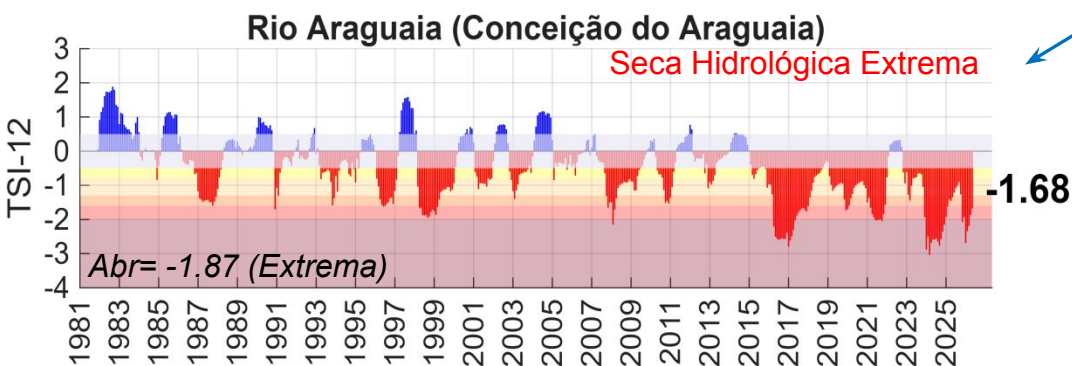
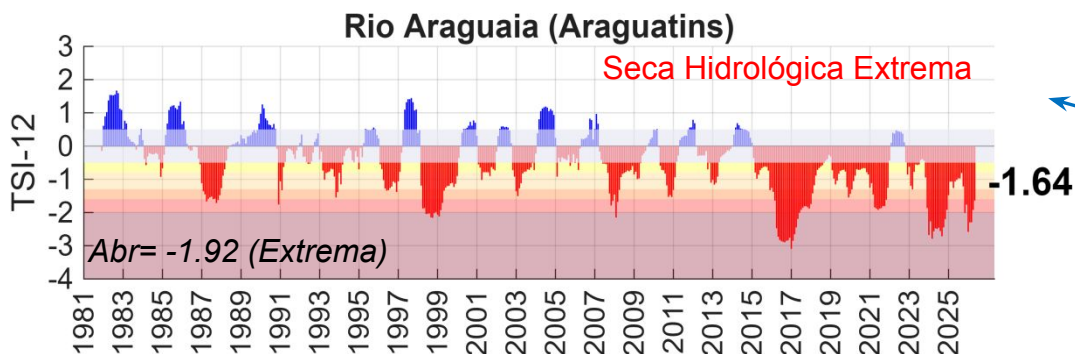
Maio/2026- Parcial



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

Escala de longo prazo

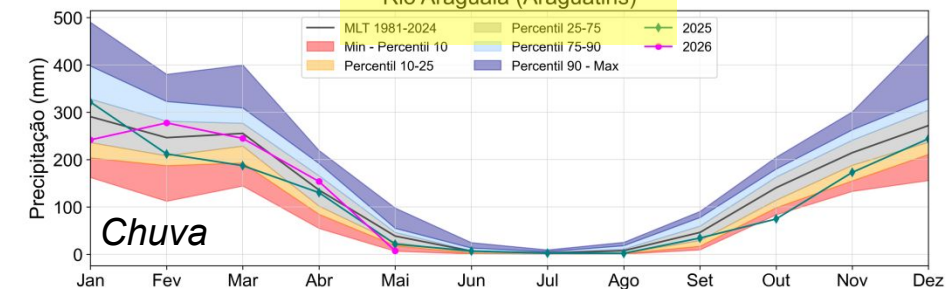
Maio/2026- Parcial



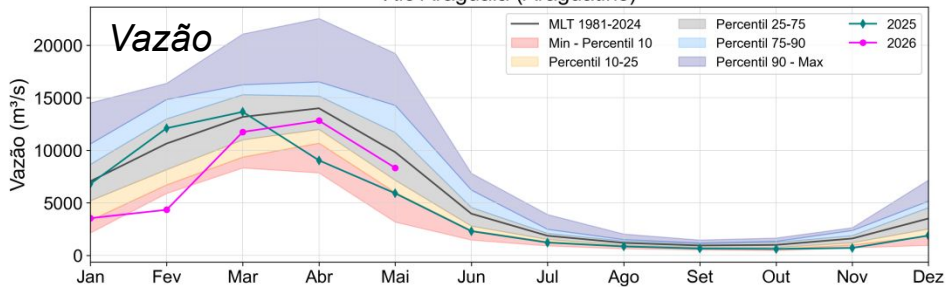
Fonte: CEMADEN
Dados: Precipitação (Cemaden/INMET/CHIRPS) e
Vazão (ONS/ANA) - Jan/1981-Maio/2026.

Monitoramento Hidrometeorológico

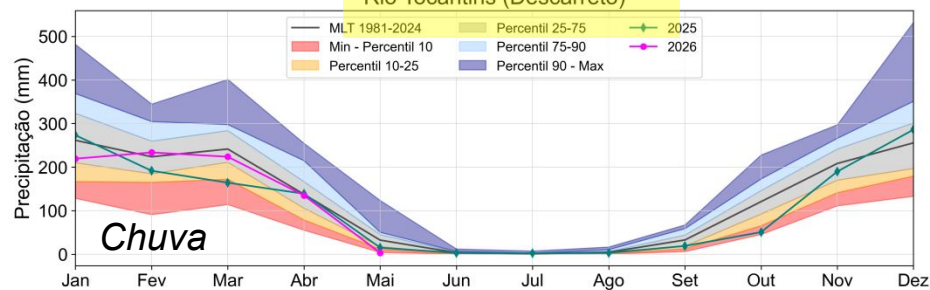
Rio Araguaia (Araguatins)



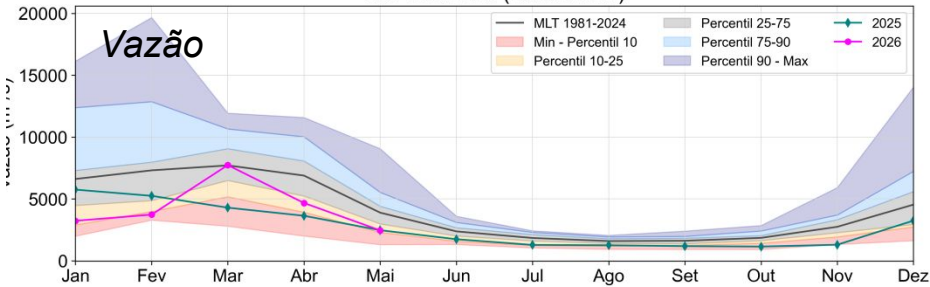
Rio Araguaia (Araguatins)



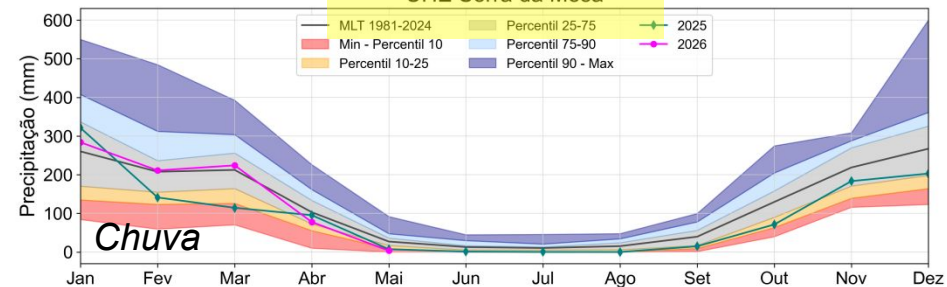
Rio Tocantins (Descarreto)



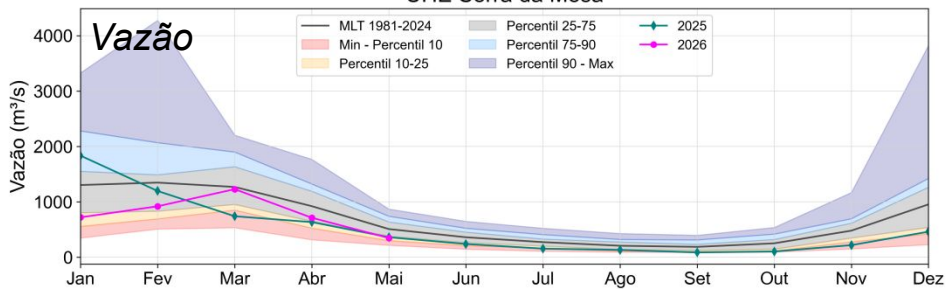
Rio Tocantins (Descarreto)



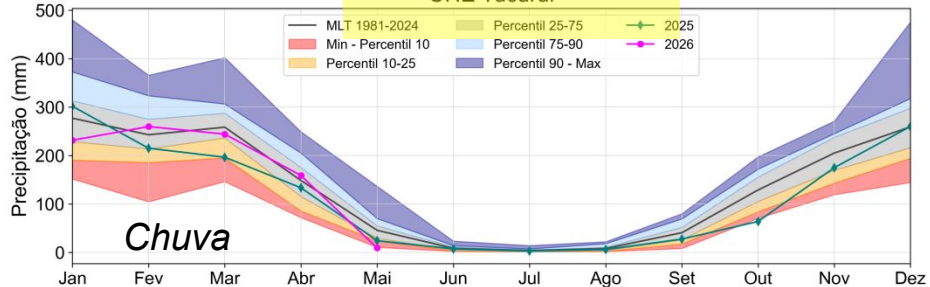
UHE Serra da Mesa



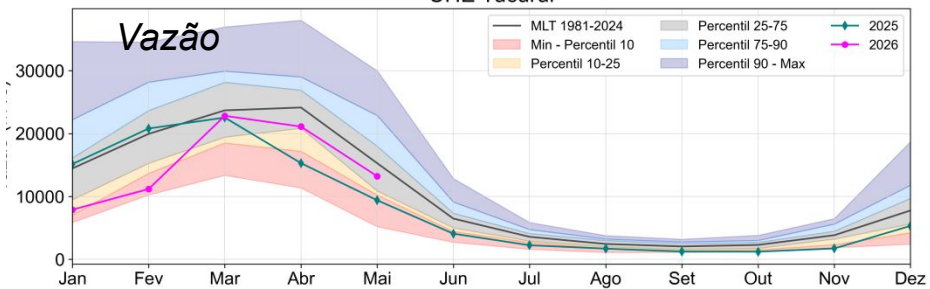
UHE Serra da Mesa



UHE Tucuruí



UHE Tucuruí

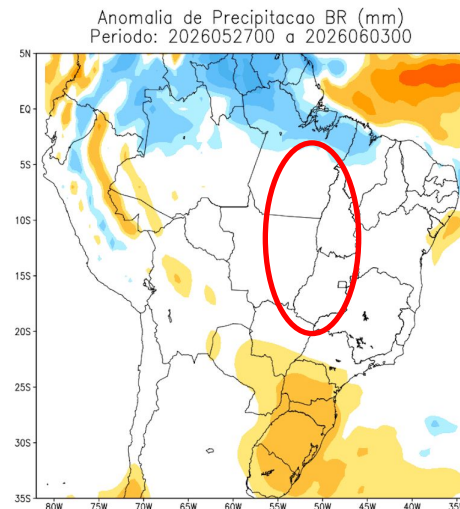
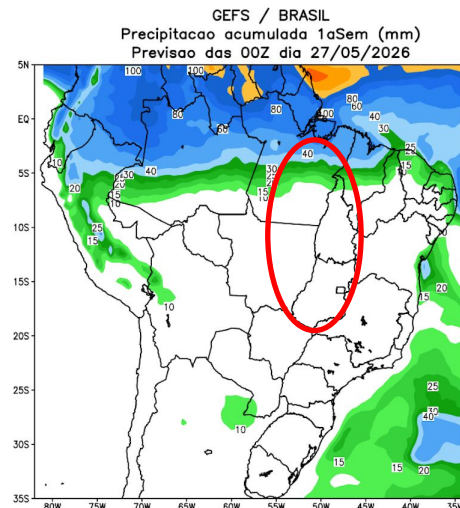


Previsão de chuva - 1a e 2a semanas

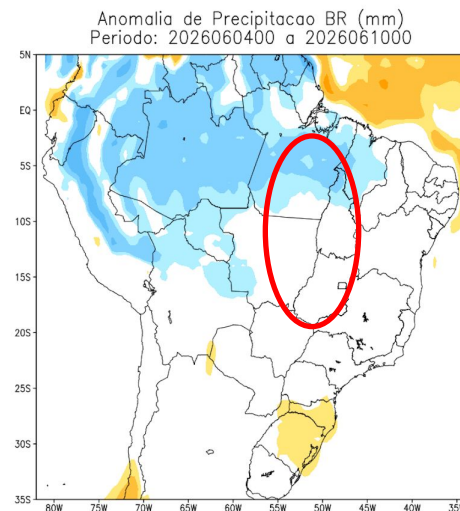
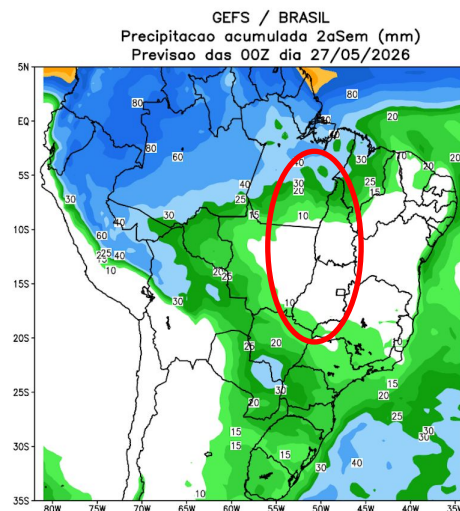
chuva

anomalia

Semana 1

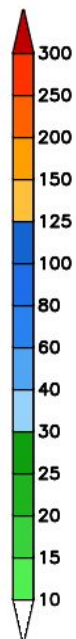
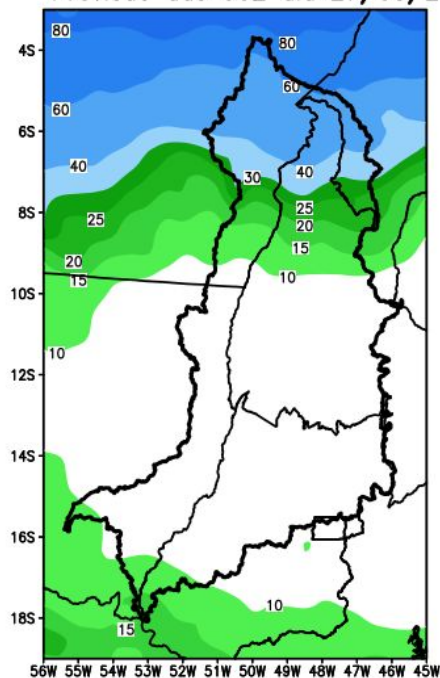


Semana 2

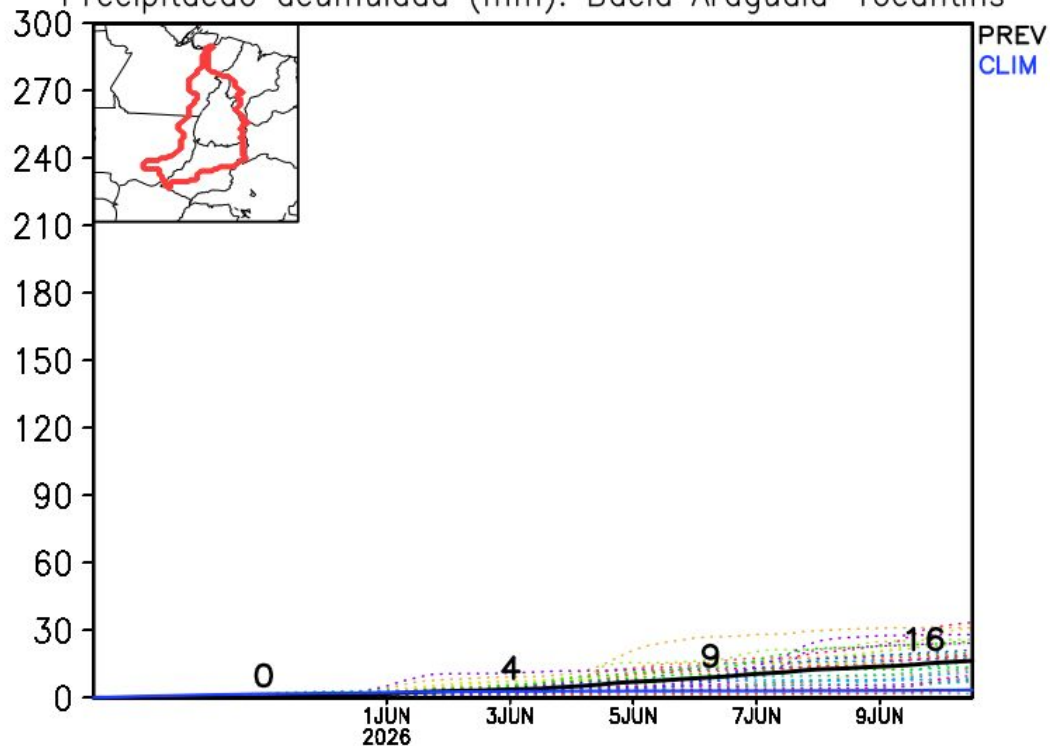


Previsão Bacia Araguaia-Tocantins

GEFS / Bacia Araguaia-Tocantins
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 27/05/2026

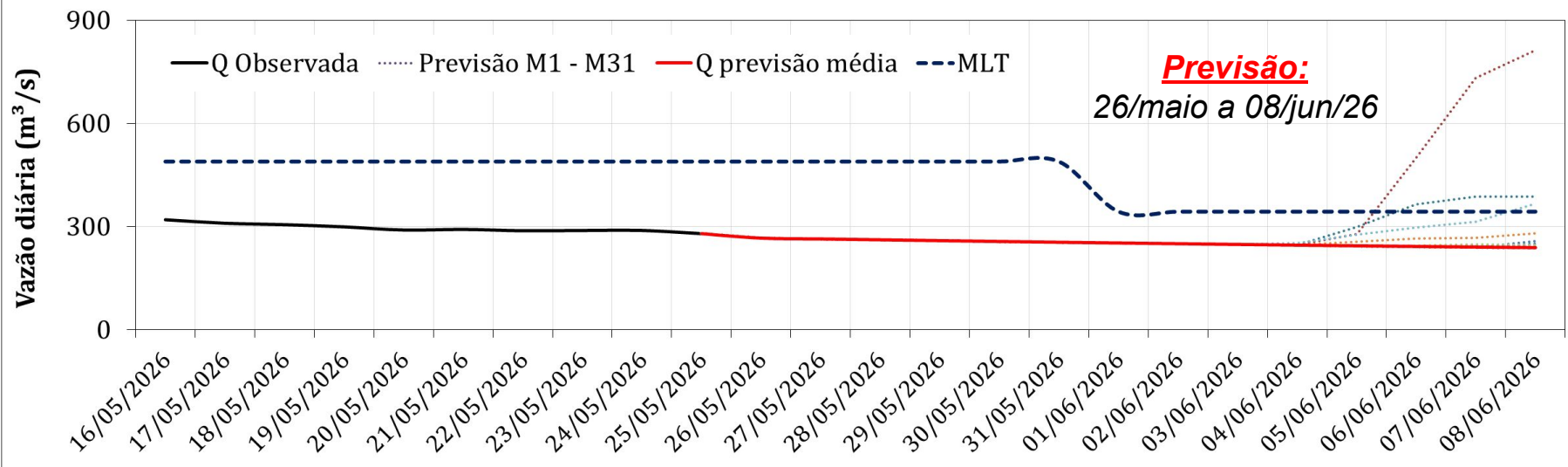
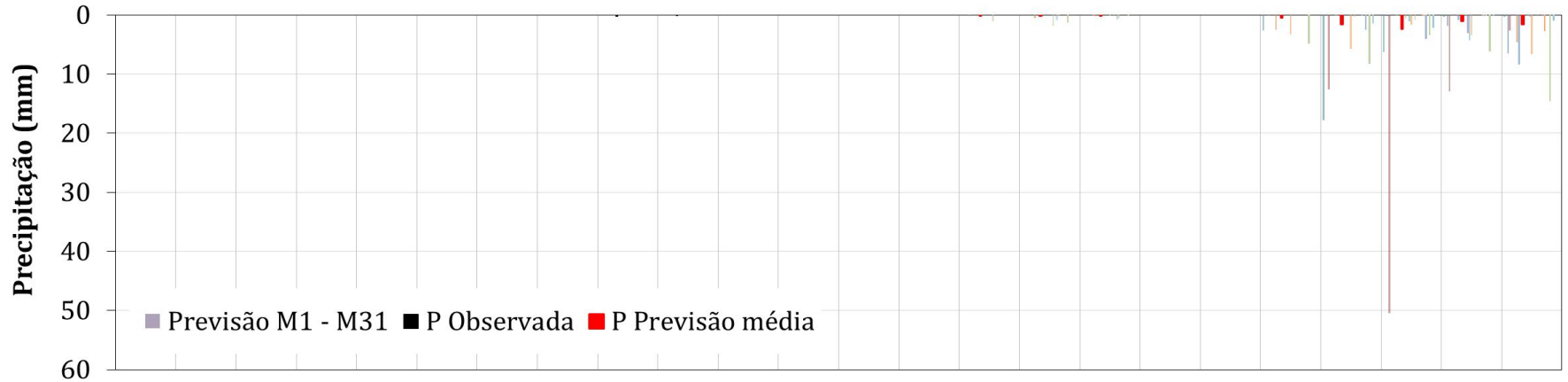


Precipitação acumulada (mm): Bacia Araguaia-Tocantins

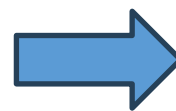


Serra da Mesa: Previsão de Vazão (modelo hidrológico PDM-CEMADEN)

Vazão Natural e Precipitação Diárias para Serra da Mesa
16/Maio a 08/Junho/2026



Previsão média para
os próximos 14 dias: **252 m^3/s**



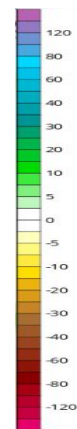
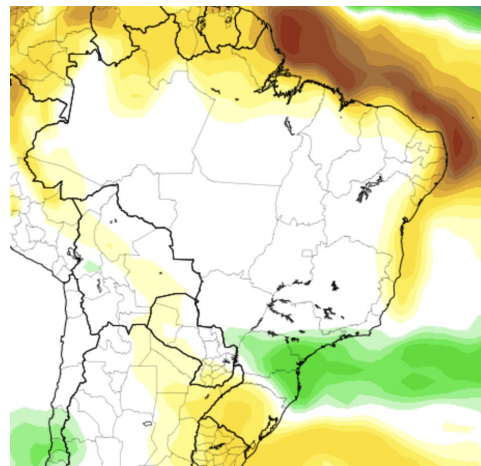
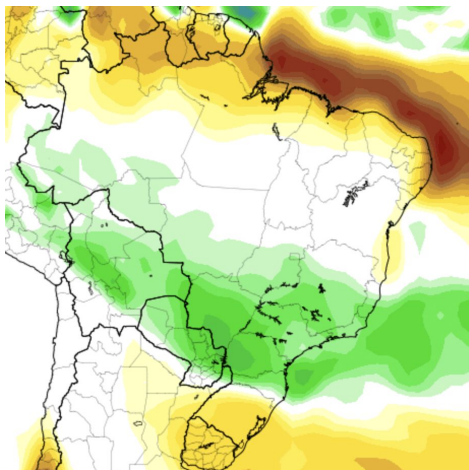
51% da MLT Maio
73% da MLT Junho

Tendência 3a e 4a semanas

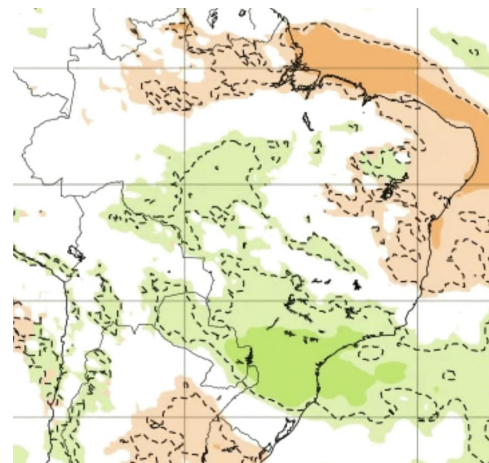
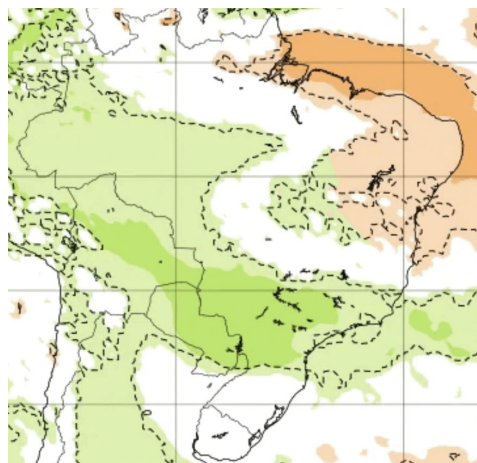
09-15 junho

16-22 junho

CFS/NOAA



ECMWF



08-14 junho

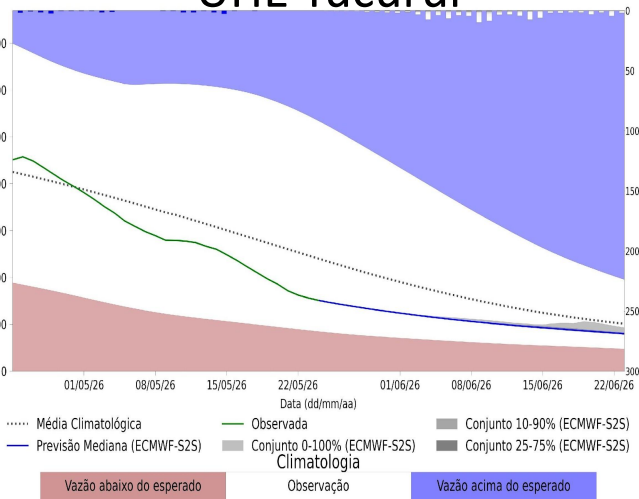
15-21 junho



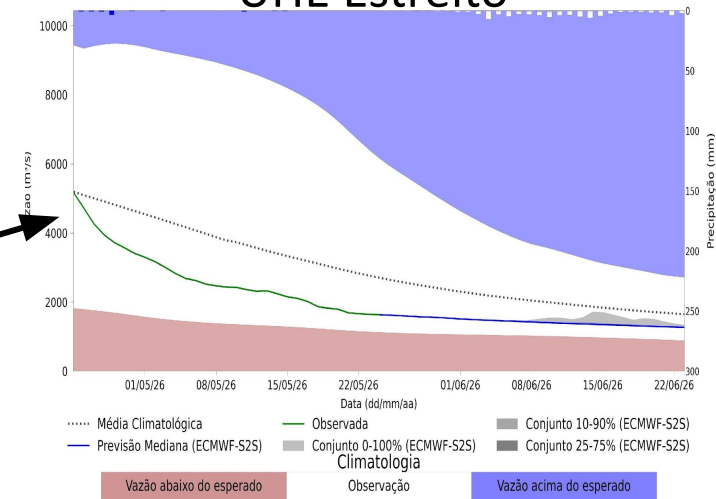
Previsão de vazão natural na Bacia Rio Tocantins-Araguaia

Previsão: 24/05/2026 a 23/06/2026

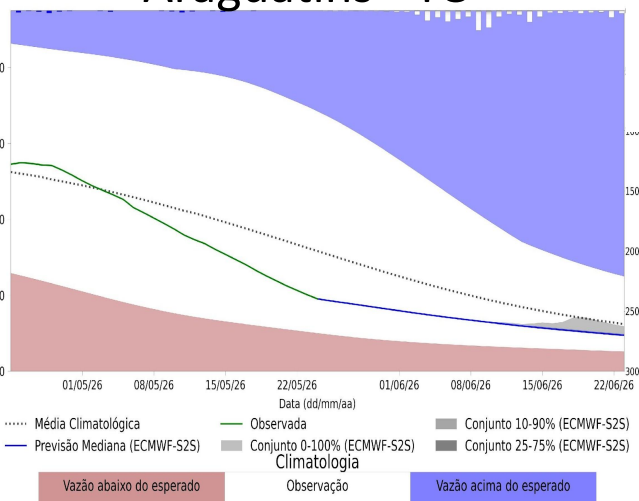
UHE Tucuruí



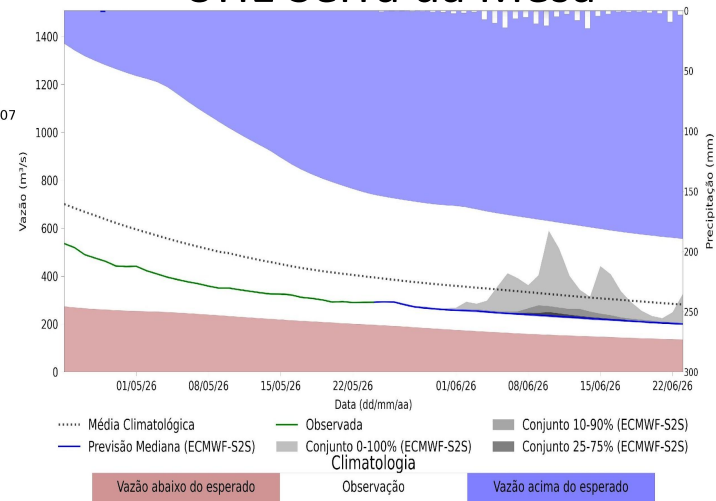
UHE Estreito



Araguatins - TO



UHE Serra da Mesa



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

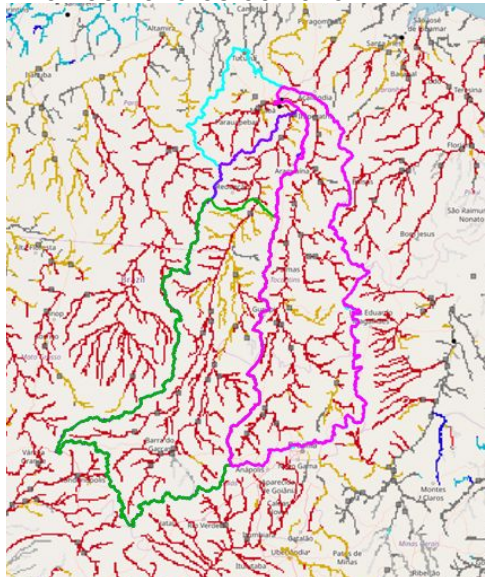
MLT: 1993-2024

**Previsão Meteorológica:
ECMWF-S2S**

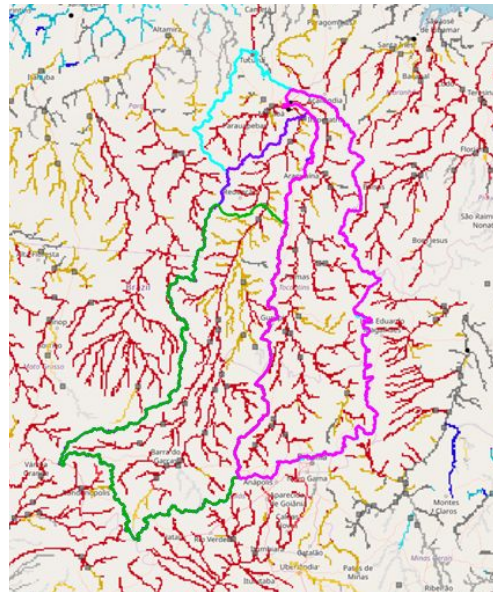
Previsão Sub-sazonal (45 dias) de vazões naturais para a Bacia do Rio Tocantins (GloFAS)

Previsão: 02/06/2026 – 06/07/2026

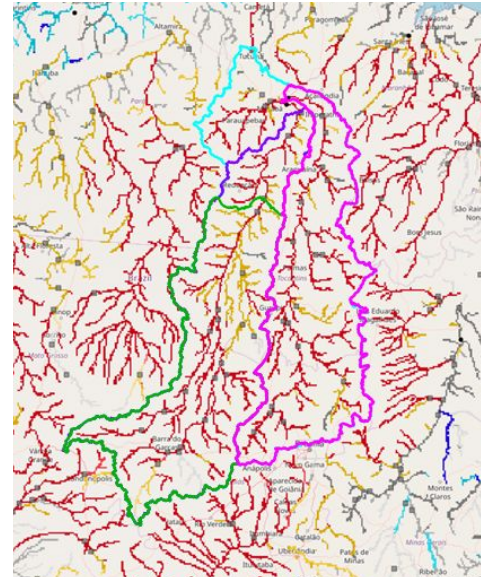
02/06/2026-08/06/2026



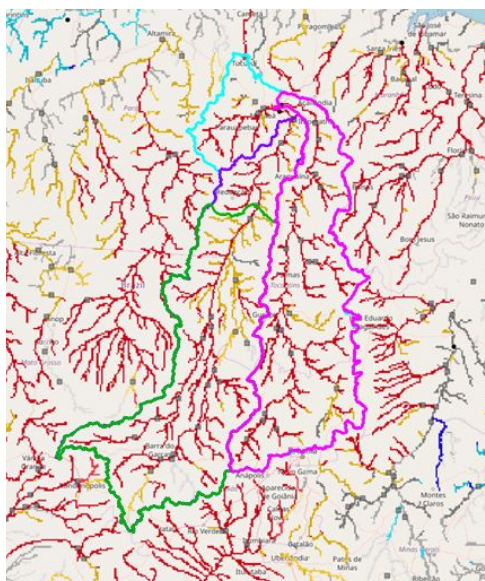
09/06/2026-15/06/2026



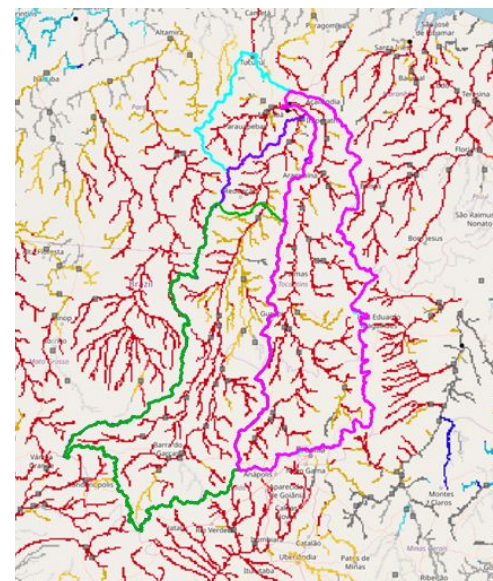
16/06/2026-22/06/2026



23/06/2026-29/06/2026



30/06/2026-06/07/2026



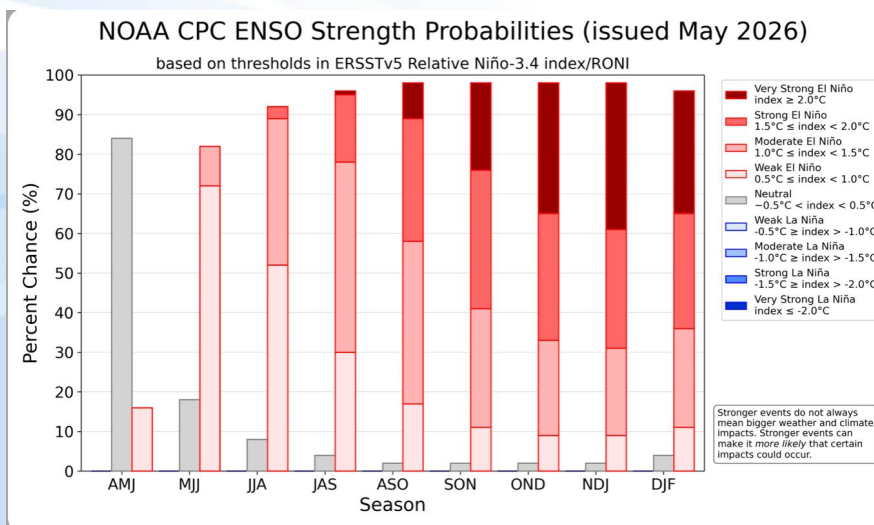
- Bacia Tocantins
- Bacia Conceição do Araguaia
- Bacia Araguaatins
- Bacia UHE Tucuruí

Categoria de anomalia de vazões (percentil)	Categoria de incerteza		
	Baixa (0-10)	Média (10-20)	Alta (<20)
Muito abaixo (1-10)	■	■	■
Abaixo (10-25)	■	■	■
Média (25-75)	■	■	■
Acima (75-90)	■	■	■
Muito acima (90-100)	■	■	■



Previsão do “El Niño / La Niña”

Previsão do “ENSO”



Mais de 90% de chance de El Niño já no trimestre junho-julho-agosto.

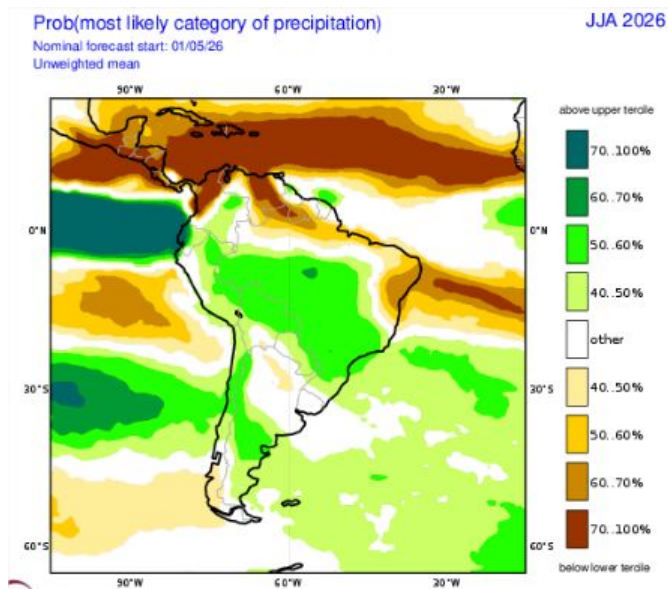
Verão 2026/27:
37% muito forte
30% forte
22% moderado

Previsão Sazonal de Chuva Multi-Modelo

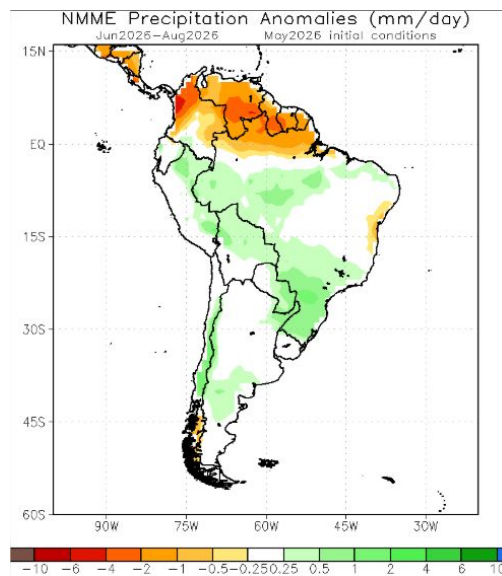
Junho-Julho-Agosto

Previsão Sazonal de Chuva Multi-Modelo

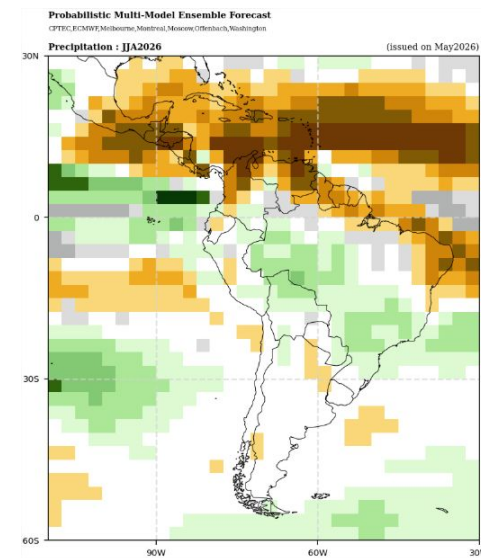
Junho-Julho-Agosto



Modelos “Europeus”

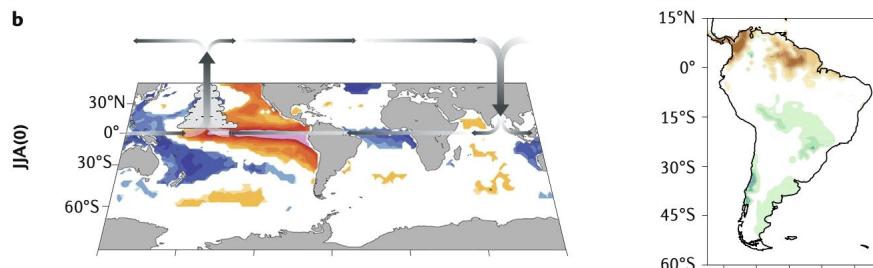


Modelos Americanos



Modelos
Internacionais
WMO

El Niño: anomalias de chuva típicas de Junho-Julho-Agosto

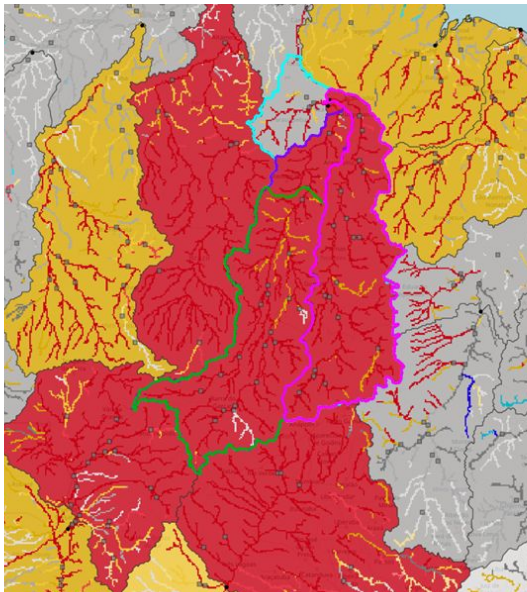


Cai, Wenju et al., 2020 - <https://doi.org/10.1038/s43017-020-0040-3>

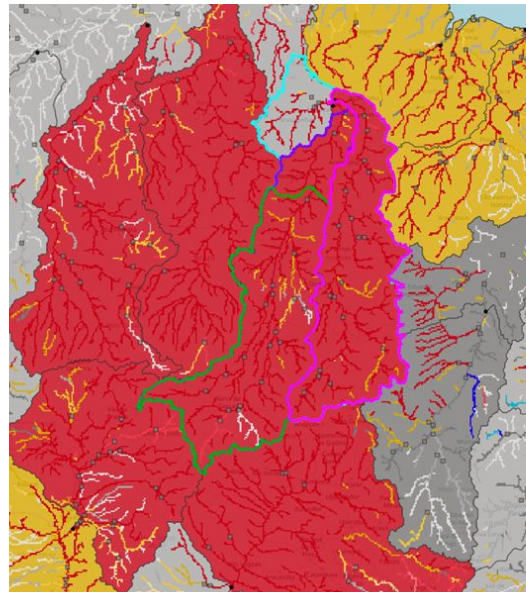
Previsão Sazonal (JJA) de vazões naturais para a Bacia do Rio Tocantins (GloFAS)

Previsão: Junho-Julho-Agosto (JJA)

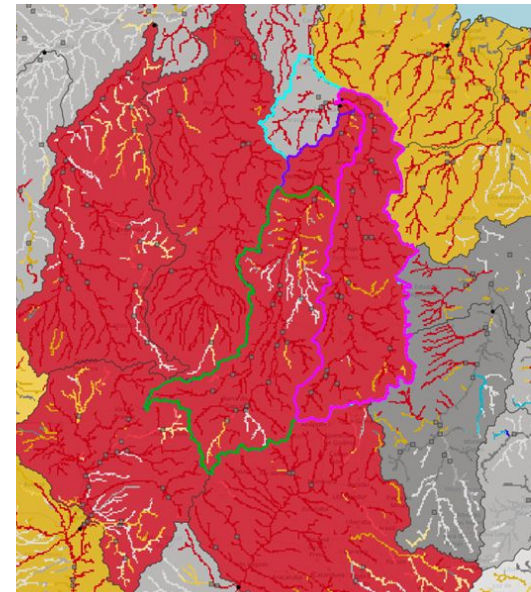
Junho



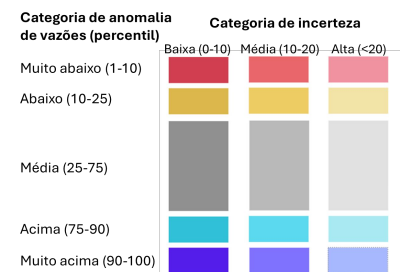
Julho



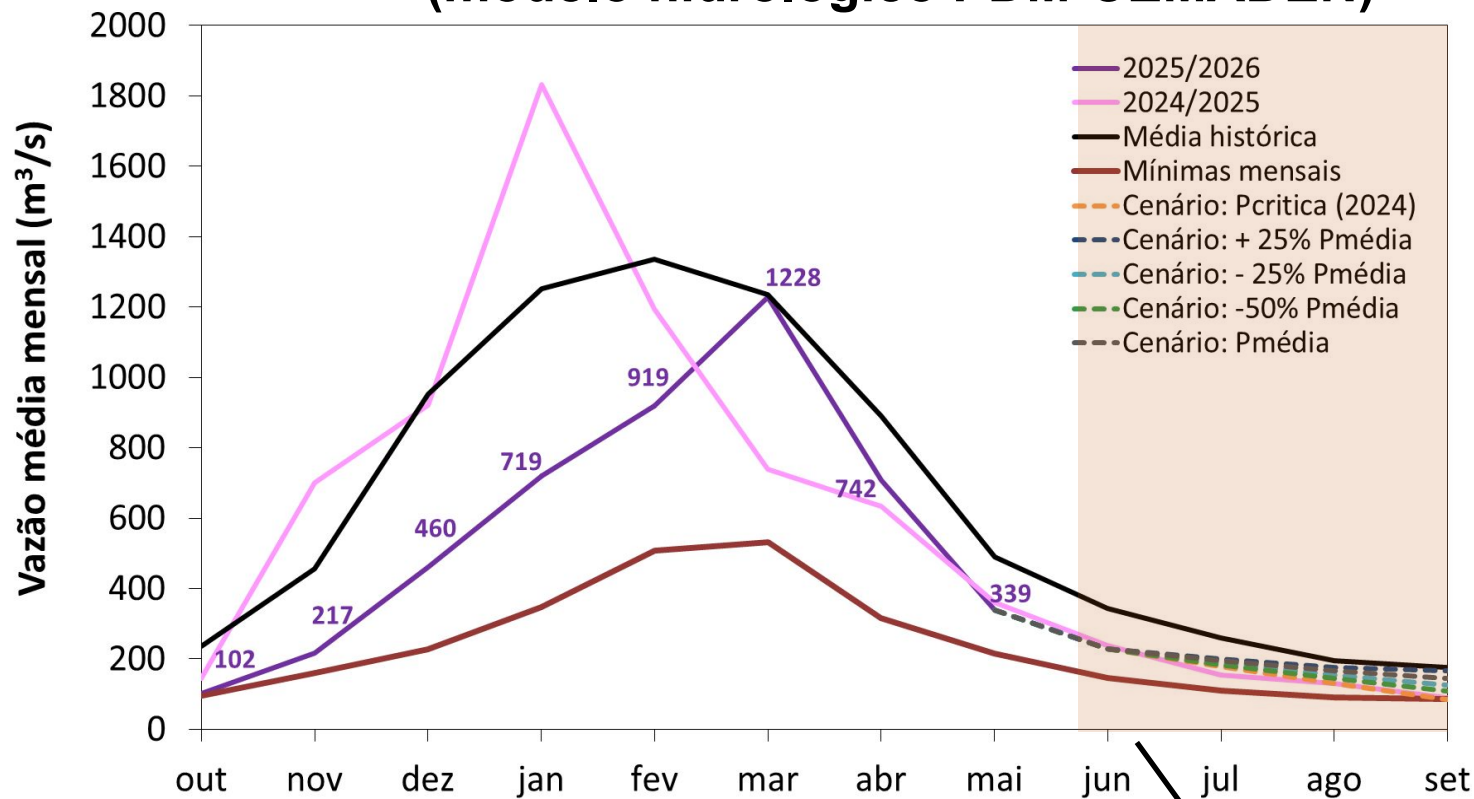
Agosto



- Bacia Tocantins
- Bacia Conceição do Araguaia
- Bacia Araguaetins
- Bacia UHE Tucuruí



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



Jun-Set (Meses Secos)
MLT: 244 m³/s

Vazão	% MLT
192 m³/s	79%
183 m³/s	75%
175 m³/s	72%
156 m³/s	64%