



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

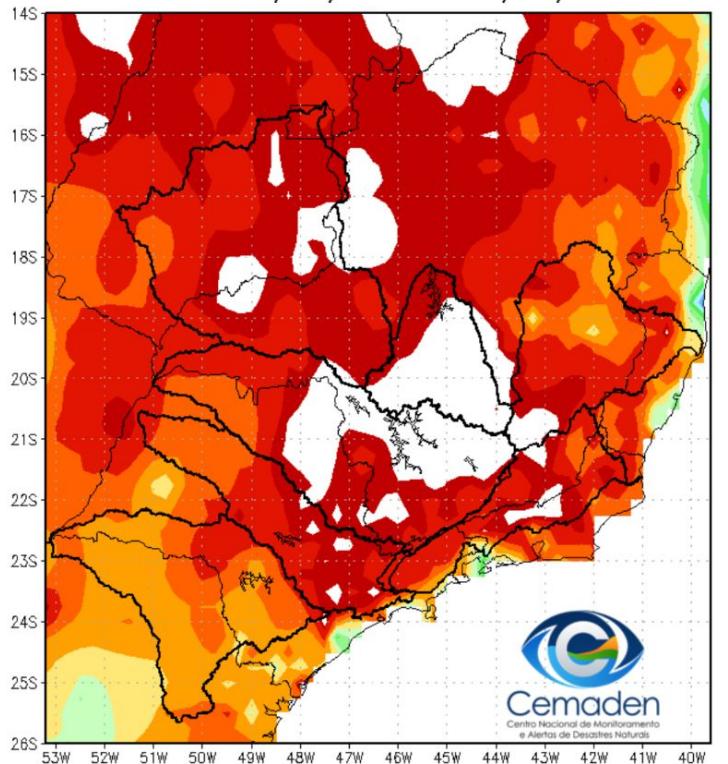
Monitoramento e Previsões
para a
Bacia do rio Paraná

29 de Maio de 2025

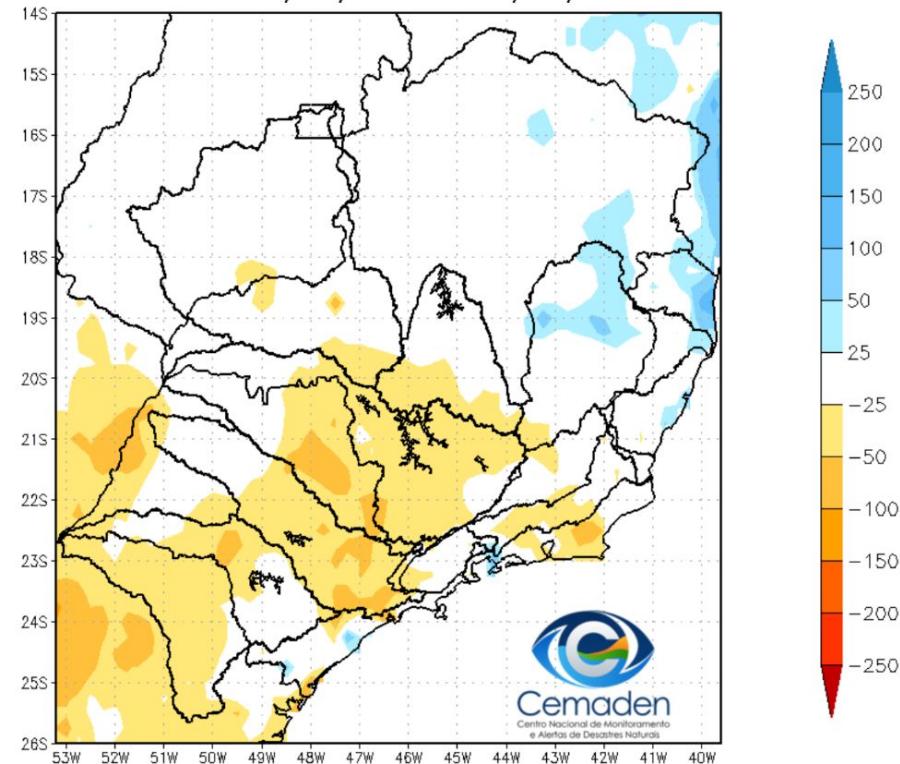


Precipitação acumulada nos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 28/04/2025 a 28/05/2025

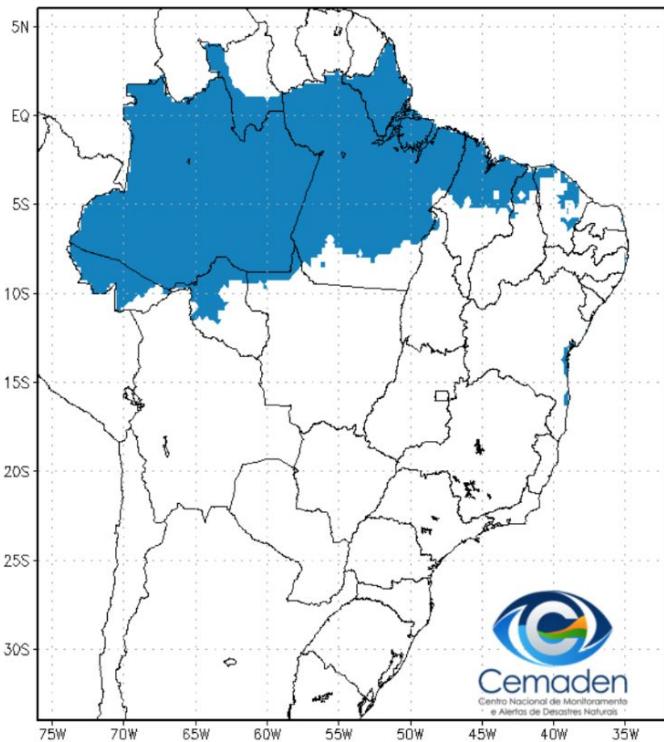


Anomalia de Precipitacao (mm) A.S.
Período: 28/04/2025 a 28/05/2025



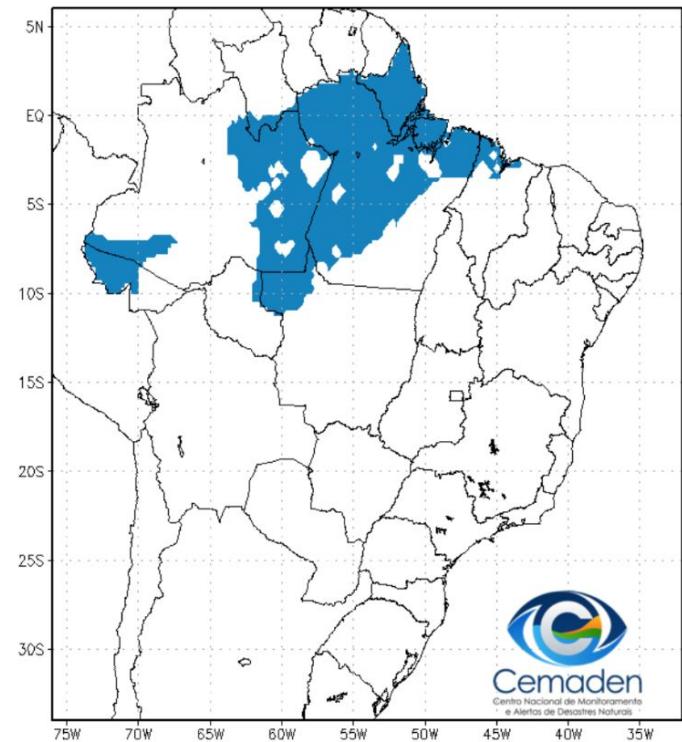
Situação da Estação Chuvosa

Climatologia da Precipitacao (1999–2024)
Inferior 2 mm/dia por 4 de 5 dias Período: 28/05

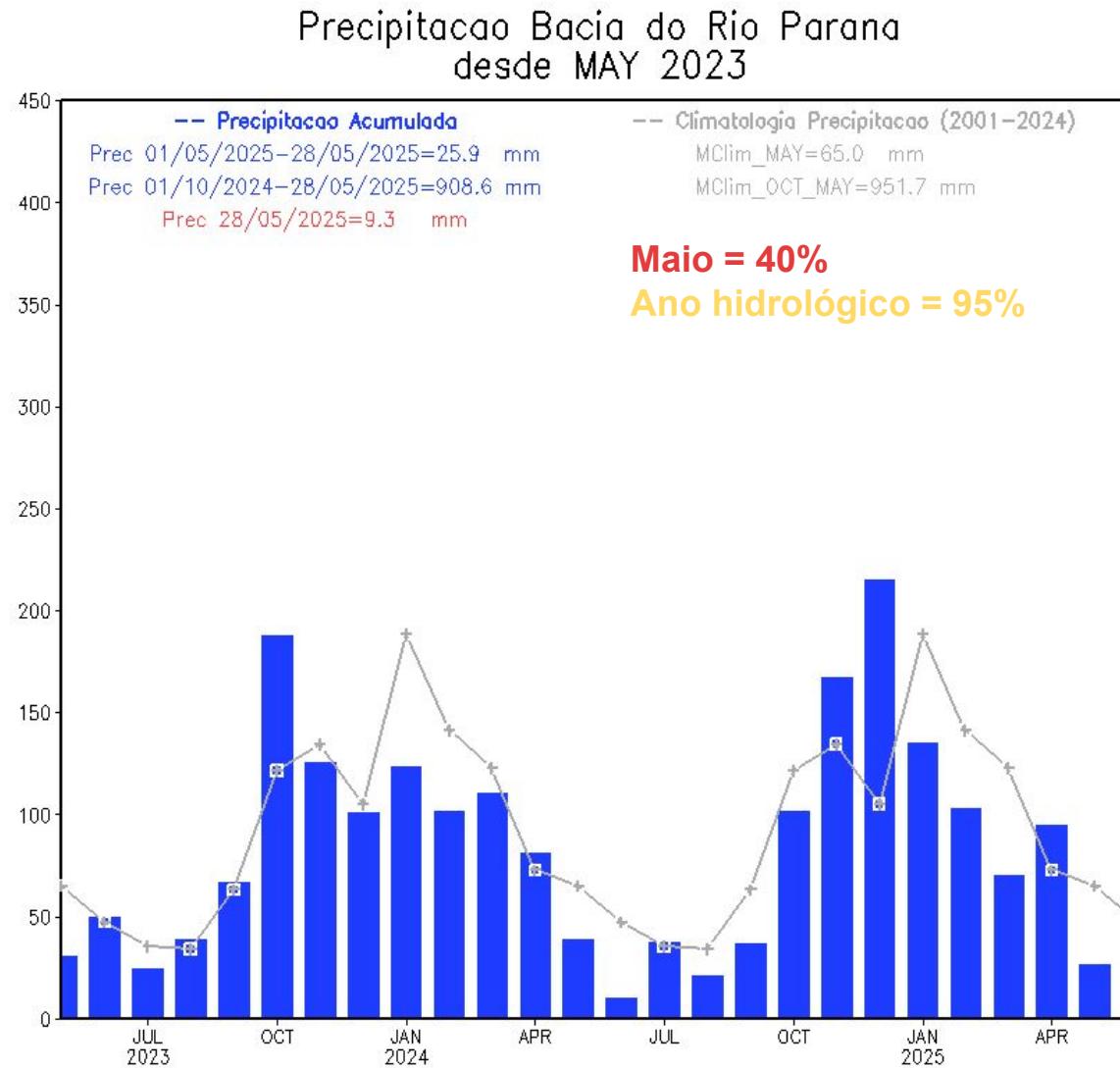


FONTE DOS DADOS INPE

Precipitacao Inferior 2 mm/dia por 4 de 5 dias
Período: 28/05/2025

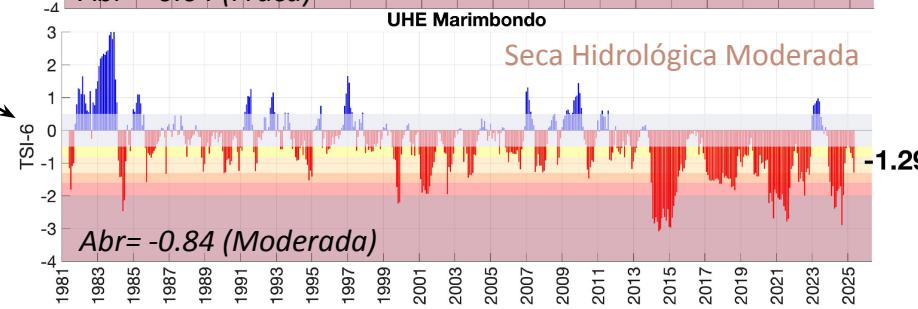
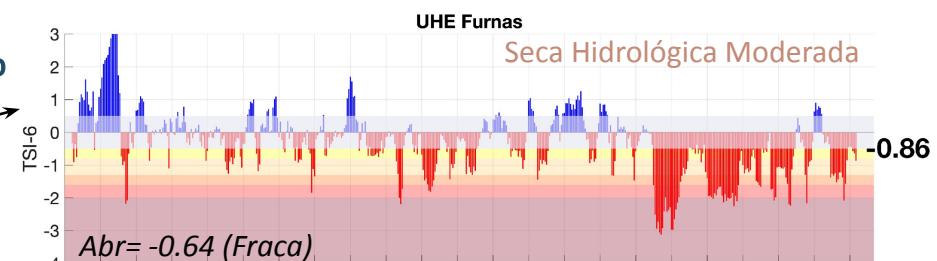
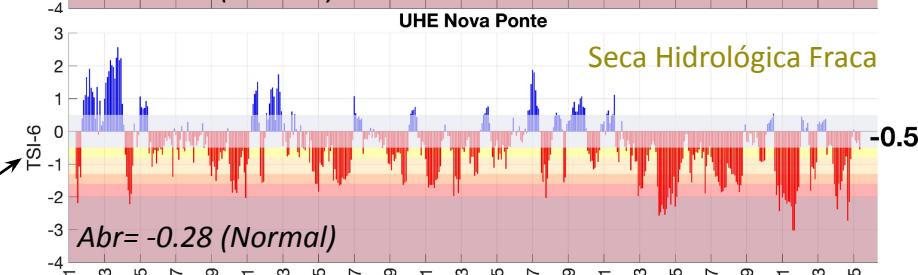
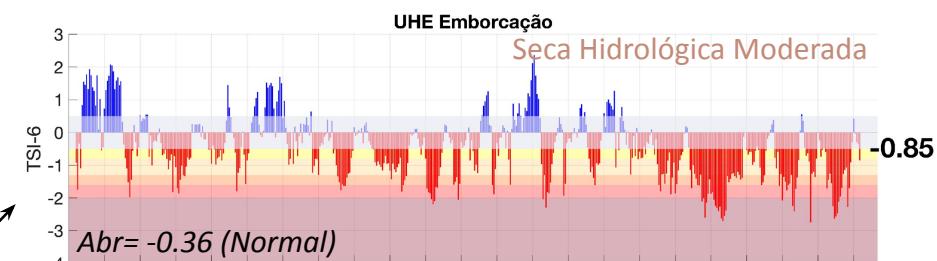
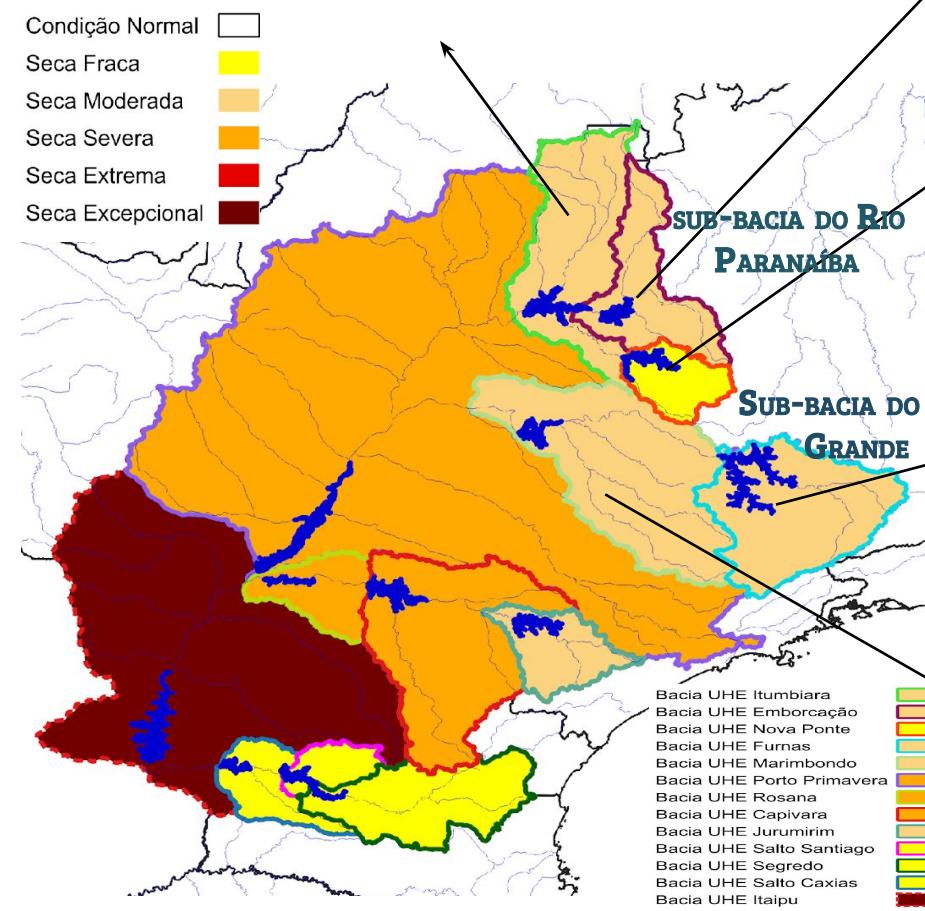
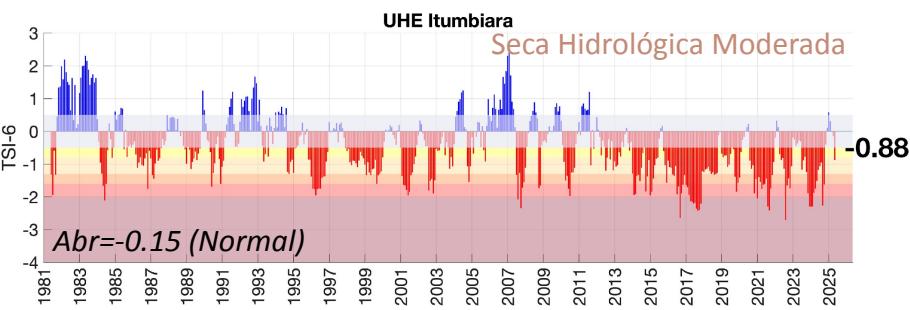


Precipitação acumulada nos últimos 24 meses



BACIA DO RIO PARANÁ

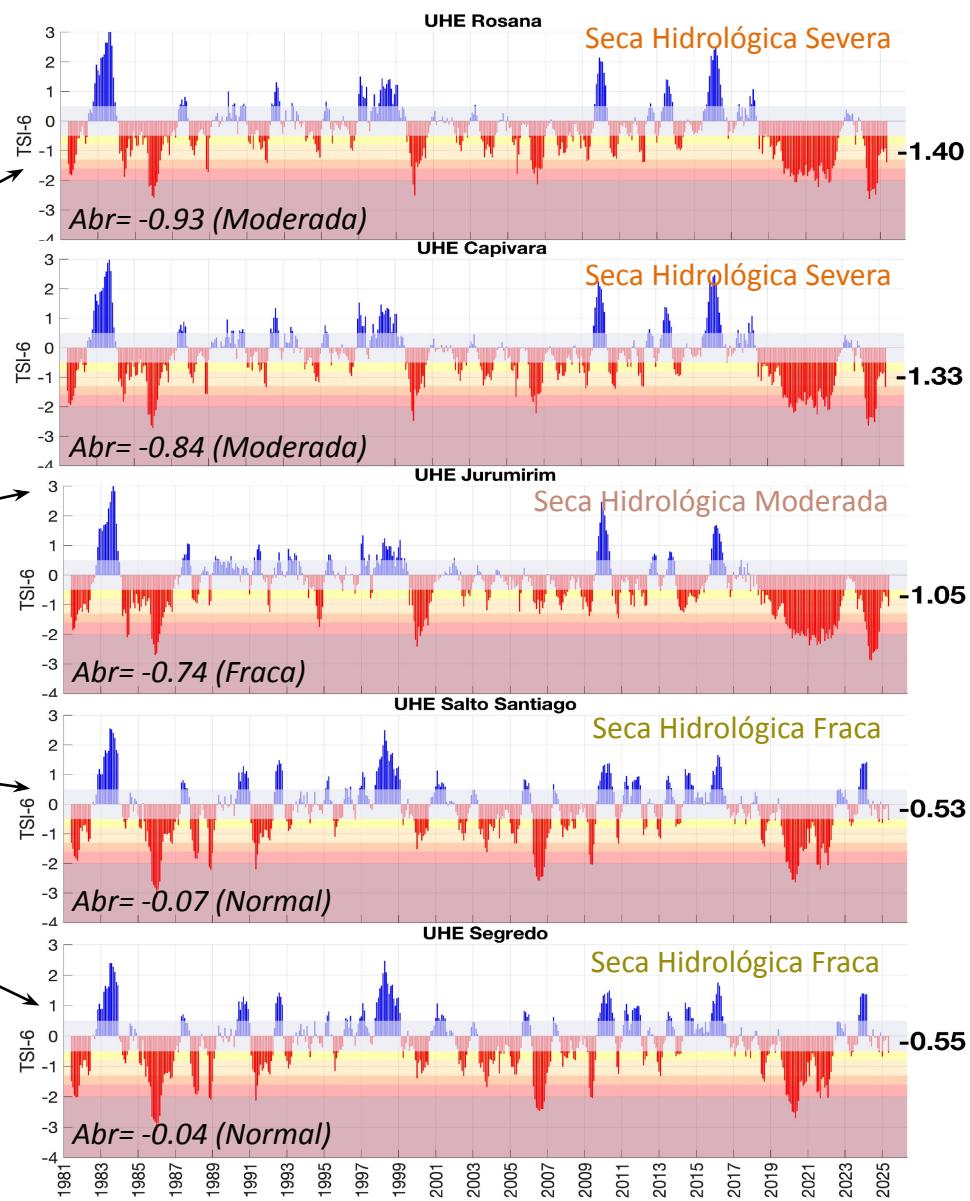
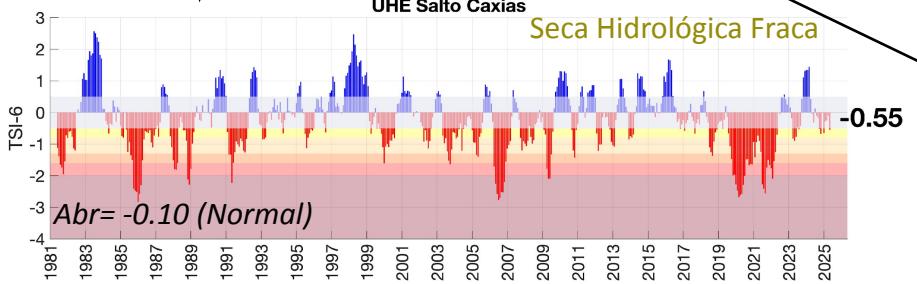
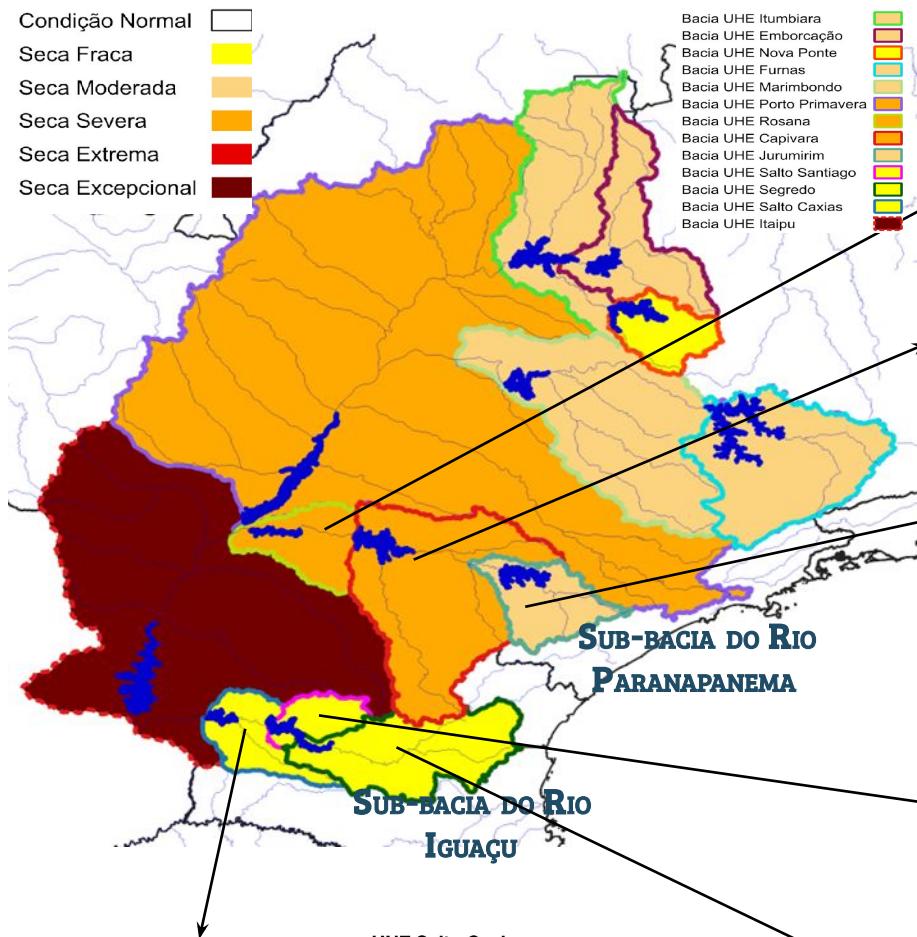
Maio/2025



BACIA DO RIO PARANÁ

Índice de Seca Bivariado (Chuva-Vazão) – TSI 6

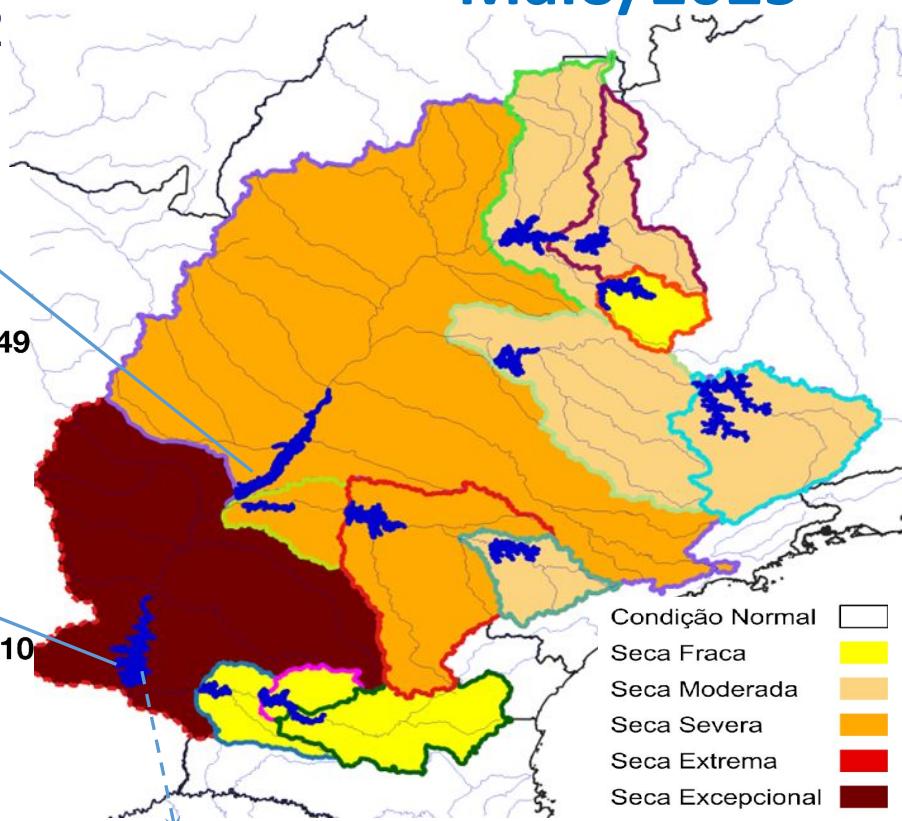
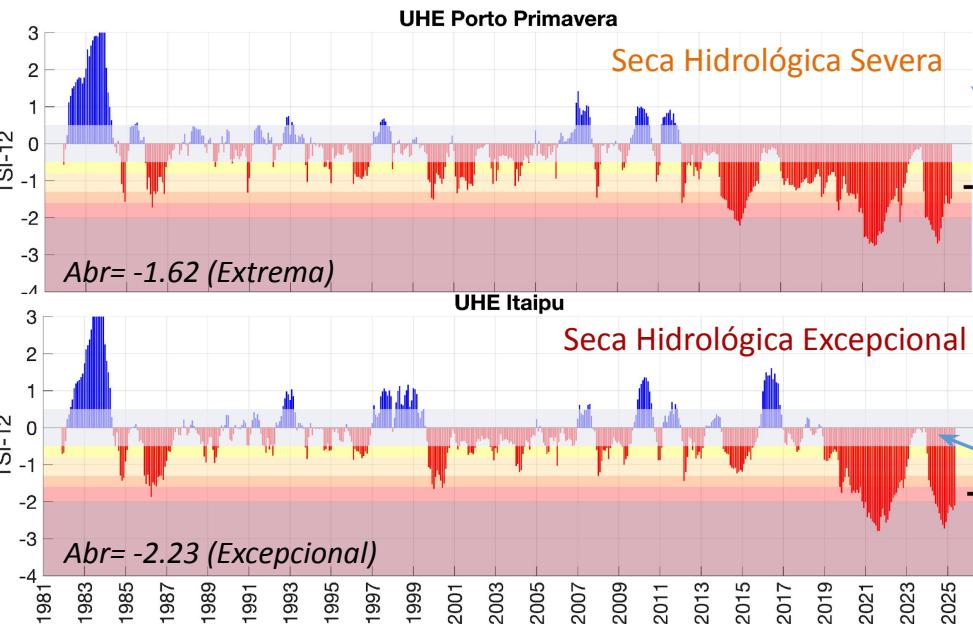
Maio/2025



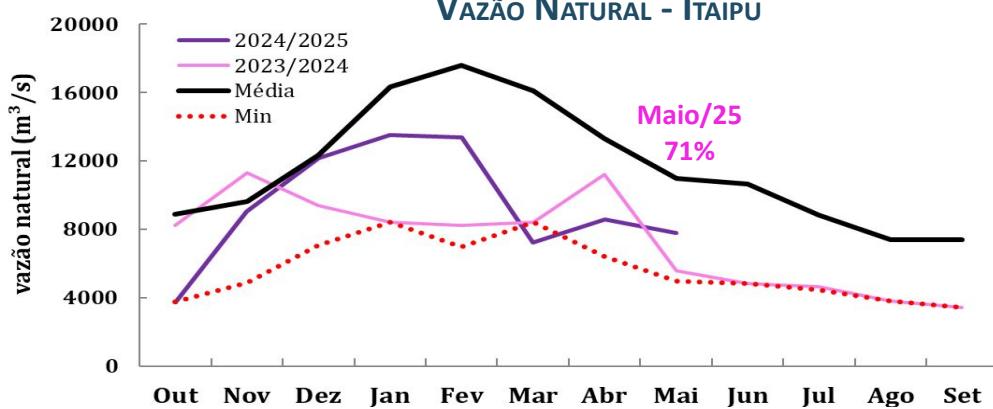
BACIA DO RIO PARANÁ

Maio/2025

Índice de Seca Bivariado (Chuva-Vazão) – TSI 12



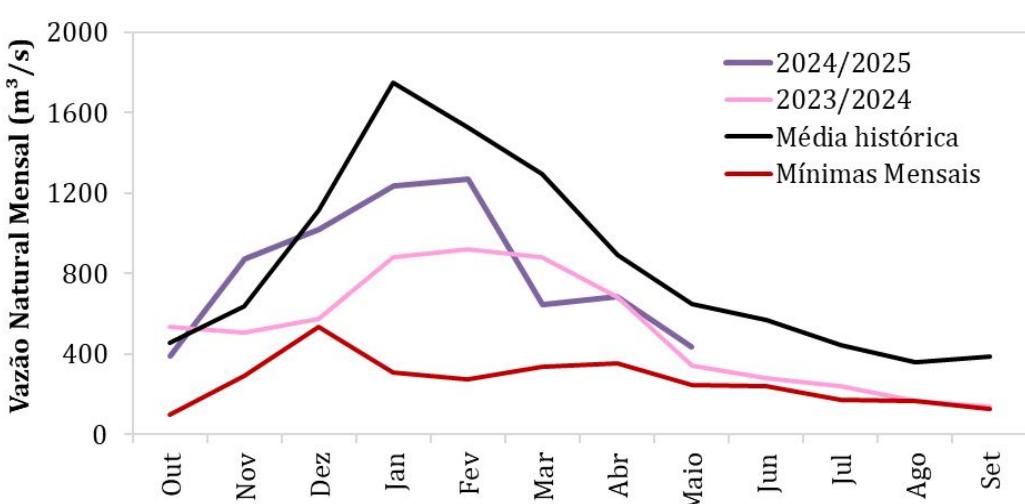
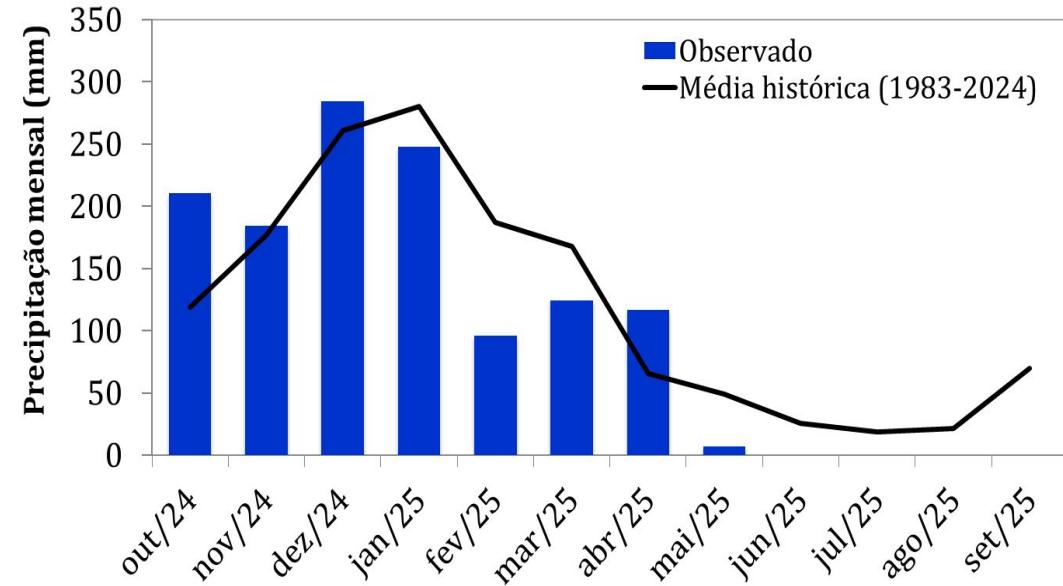
Série de dados = Jan/1981- Maio/2025



Fonte: CEMADEN/MCTI

Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA)

Monitoramento UHE Furnas



Média de Longo Término – MLT = 1983-2024

Precipitação

Estação Chuvosa - Out a Mar – 1192 mm

2023/2024: 1088 mm (91% da MLT)

2024/2025: 1148 mm (96% da MLT)

Estação Seca - Abr a Set – 250 mm

2024: 102 mm (41% da MLT)

2025*: 123 mm (158% da MLT PARCIAL)

Abr/2025: 117 mm (178% da MLT)

Maio/2025*: 7 mm (14% da MLT)

*Até 27/05/2025

Vazão

Estação Chuvosa - Out a Mar – 1130 m³/s

2023/2024: 716 m³/s (63% da MLT)

2024/2025: 906 m³/s (80% da MLT)

Estação Seca - Abr a Set – 551 m³/s

2024: 309 m³/s (56% da MLT)

2025: 559 m³/s (101% da MLT)

Maio/25**: 434 m³/s (67% da MLT)

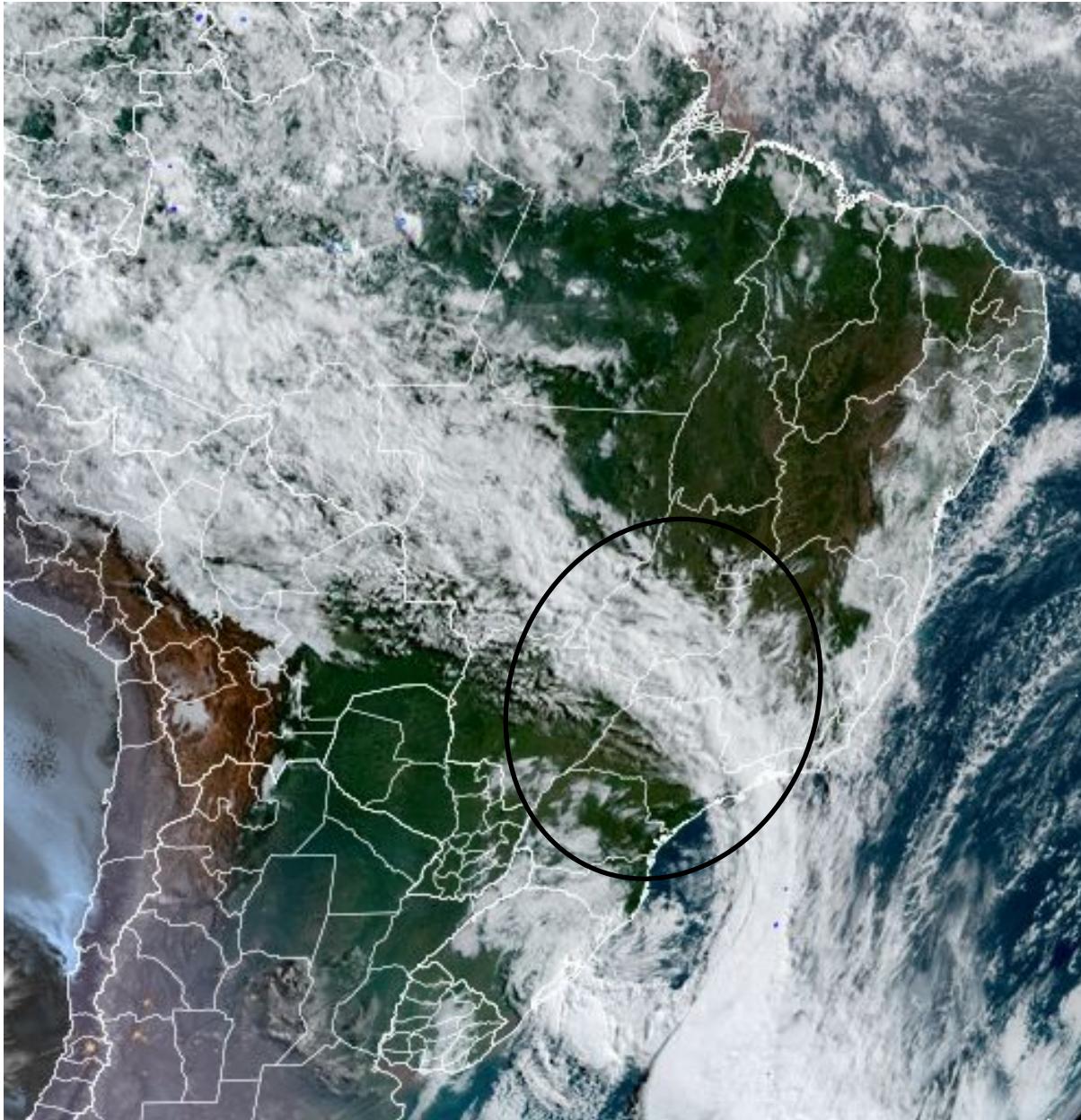
27/Maio/25: 357 m³/s (55% da MLT)

**Até 27/05/2025

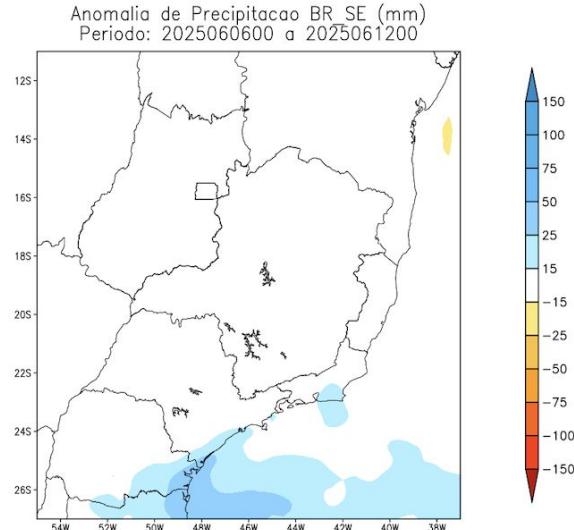
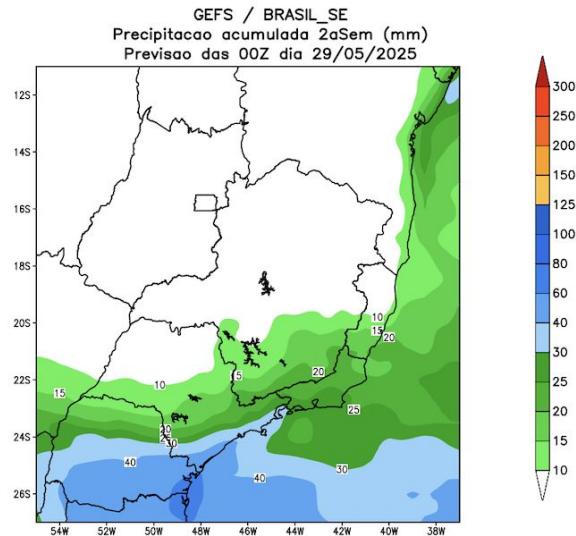
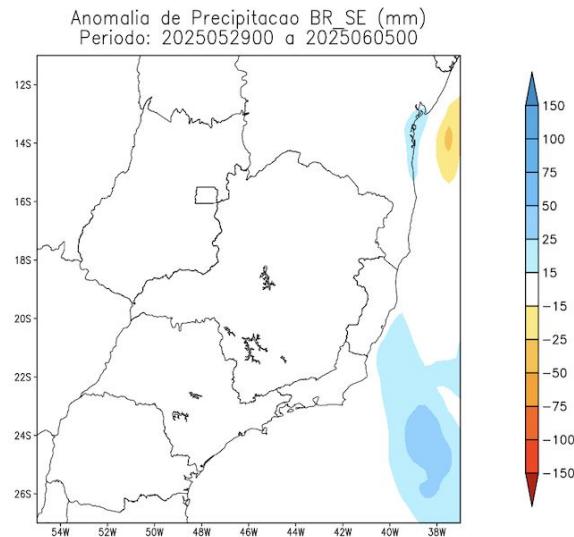
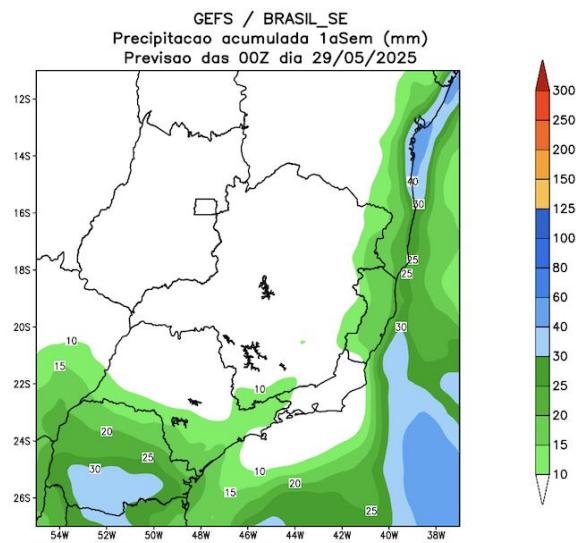
Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

Situação meteorológica atual

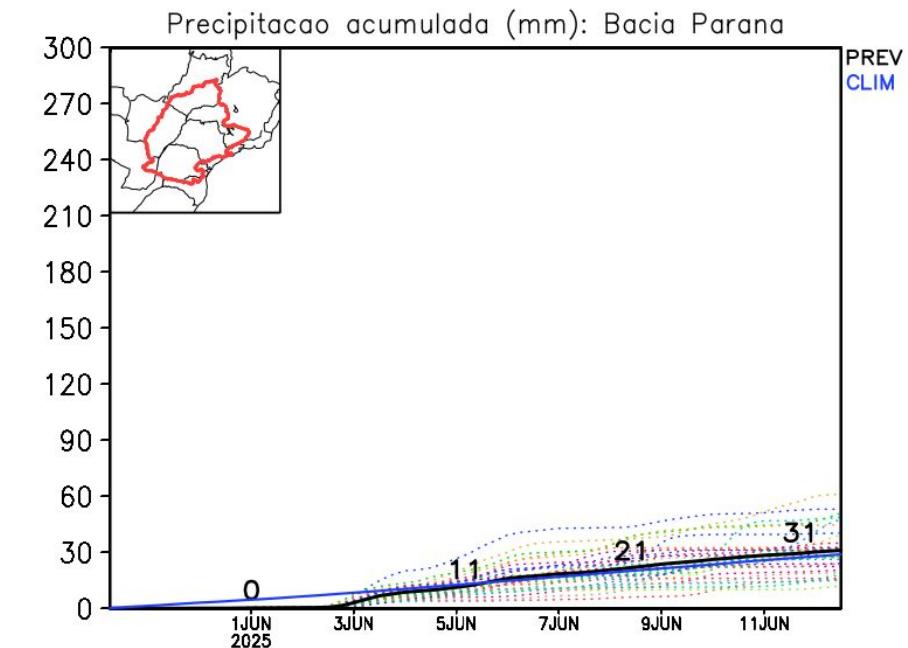
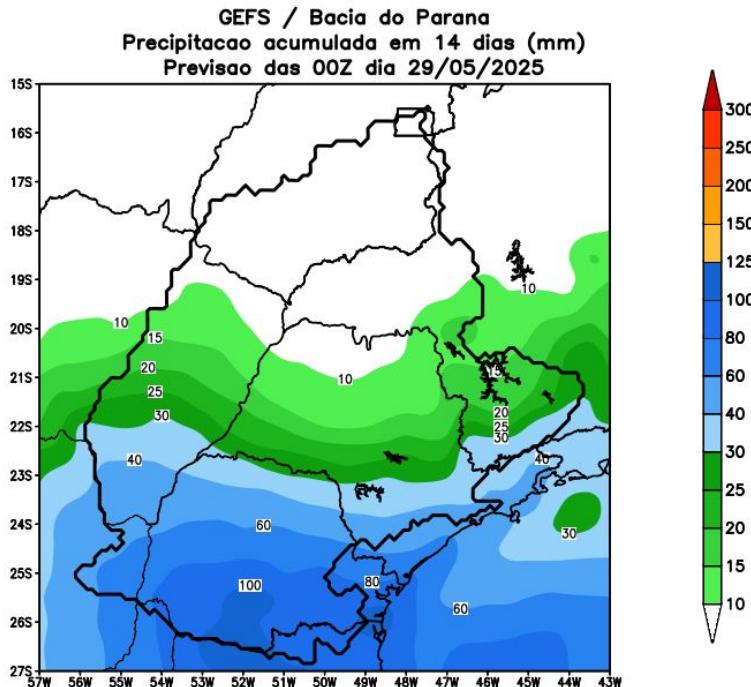


Acumulado para as duas próximas semanas



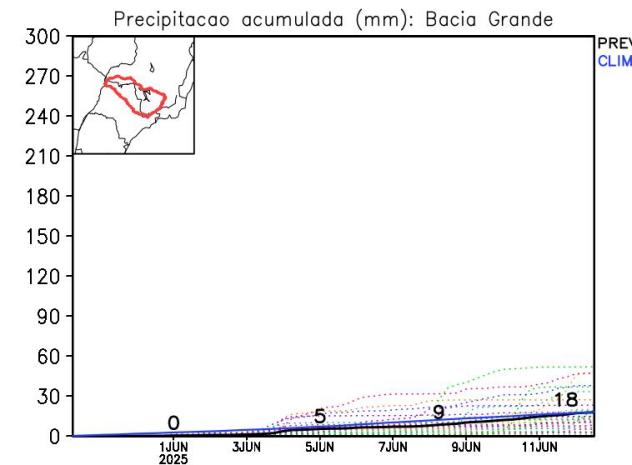
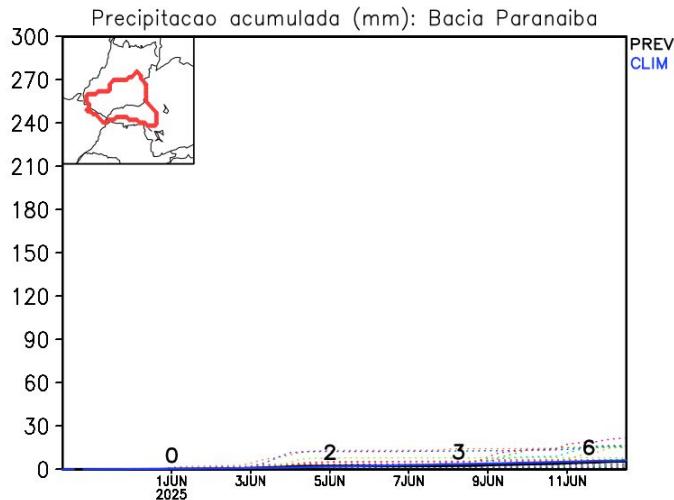
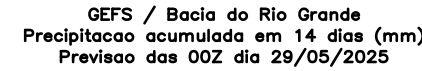
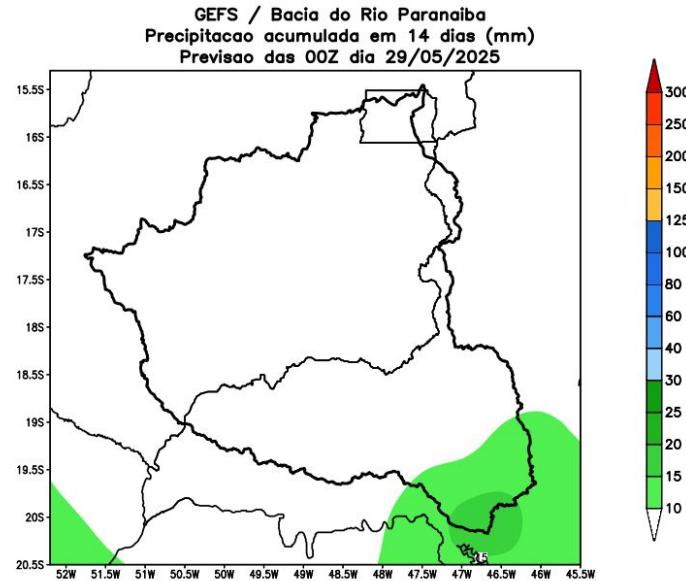
Fonte: GEFS/NOAA

Previsão de chuva para os próximos 7 dias

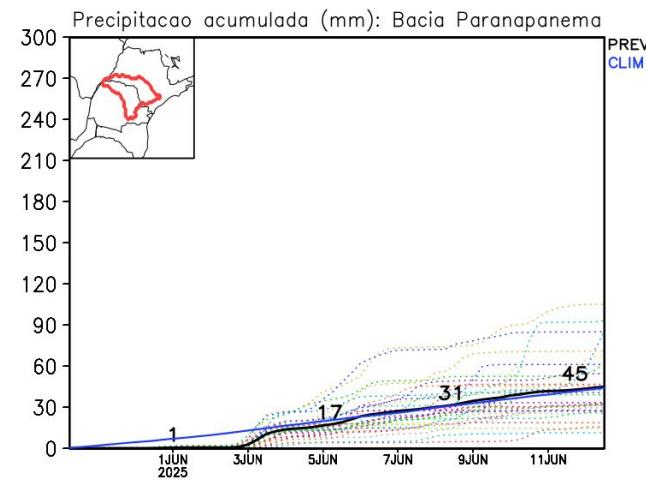
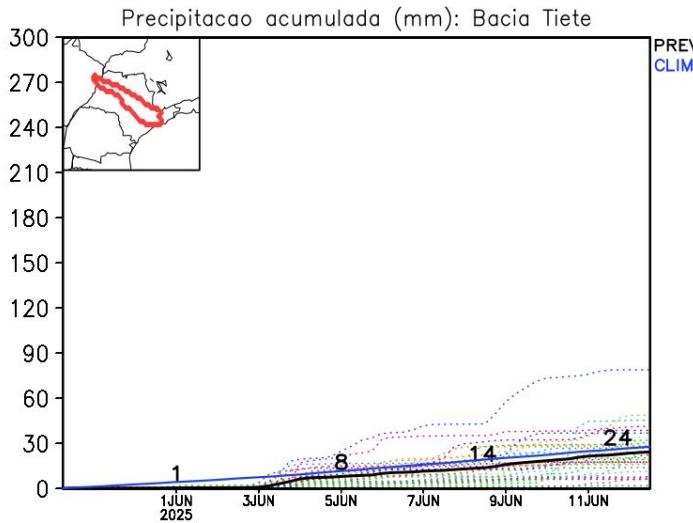
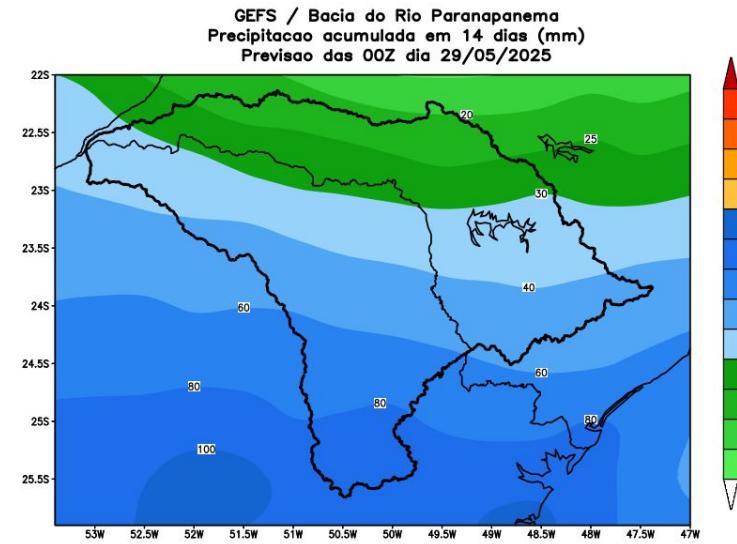
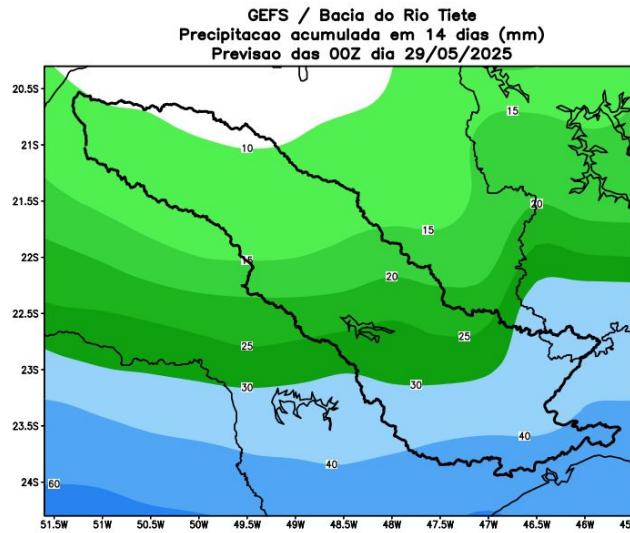


Fonte: GEFS/NOAA

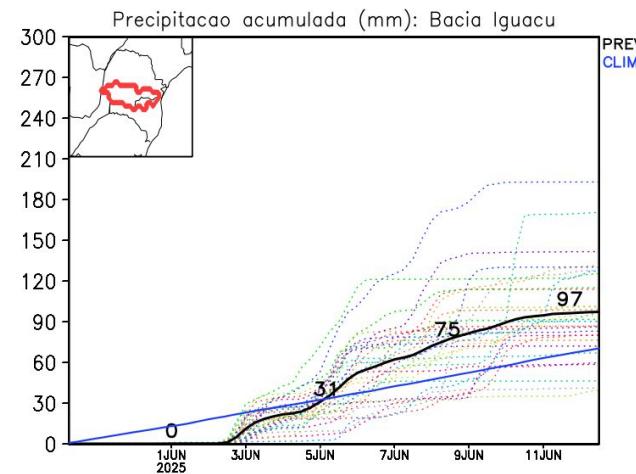
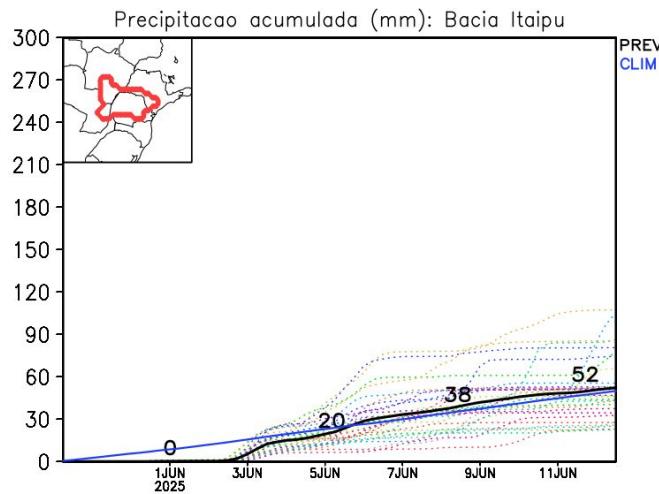
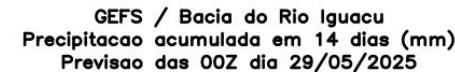
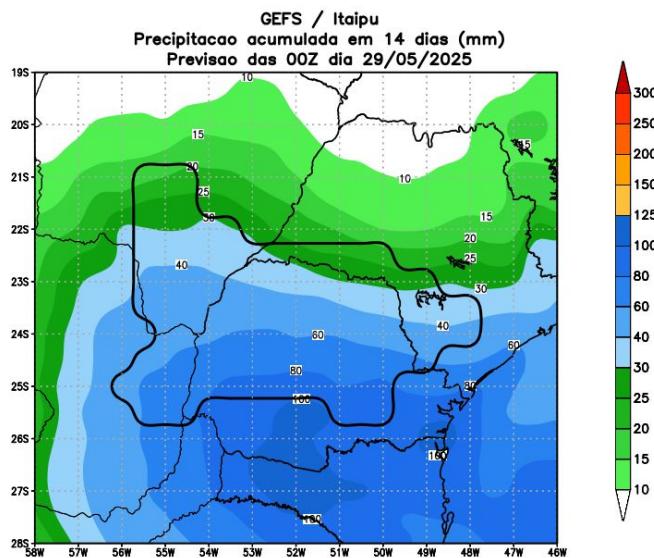
Bacia do rios Paranaíba e Grande



Bacia do rios Tietê e Paranapanema

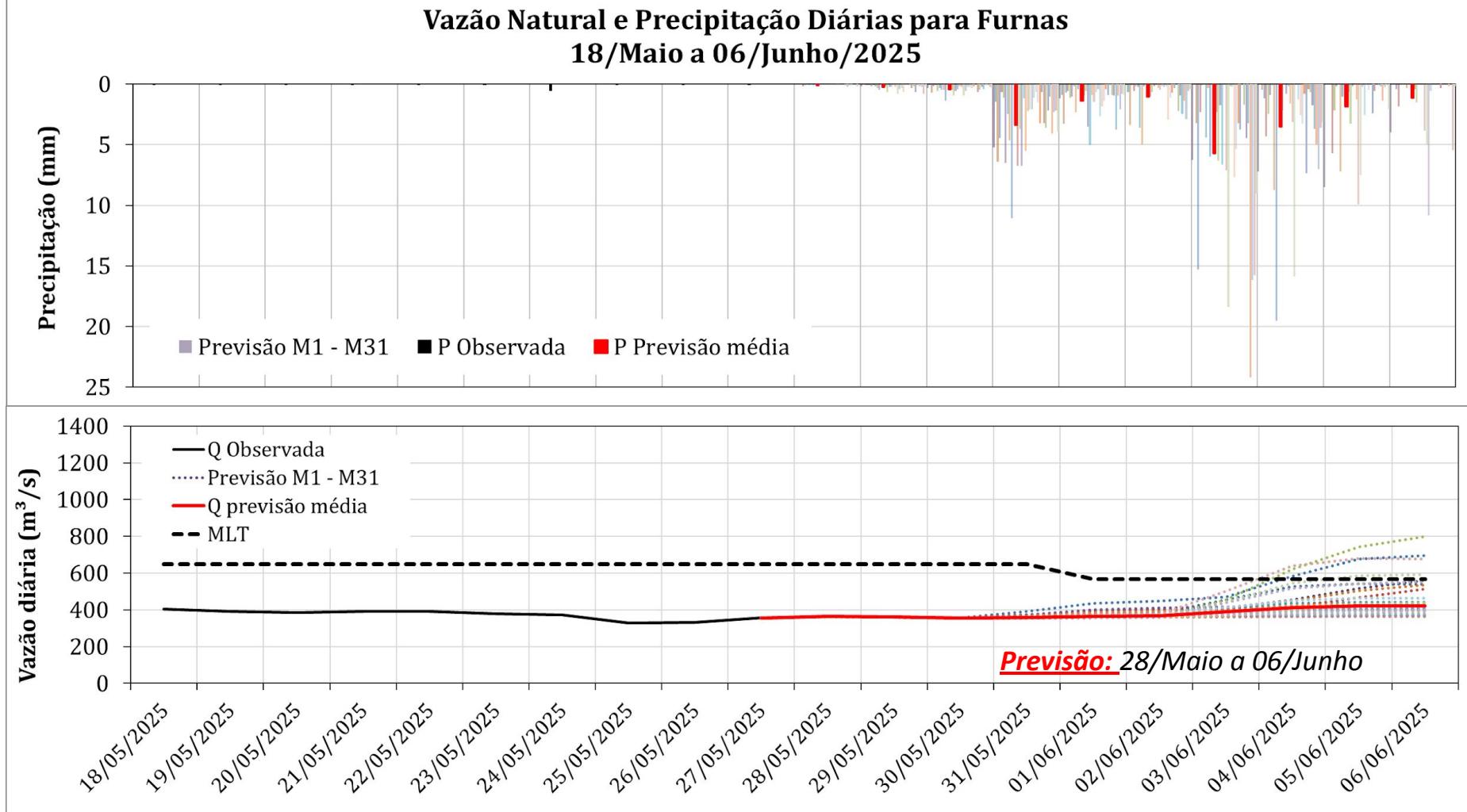


Bacia do Itaipu e Iguaçu



Furnas: Previsão de Vazão (modelo hidrológico PDM-CEMADEN)

Vazão Natural e Precipitação Diárias para Furnas
18/Maio a 06/Junho/2025

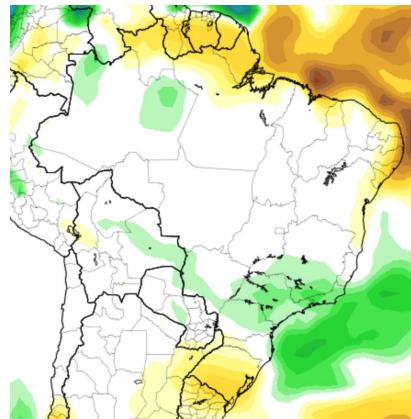


Previsão média para os próximos 10 dias: 382 m^3/s
(MLT Maio= $650 m^3/s$; MLT Junho = $568 m^3/s$)

Anomalia de Chuva

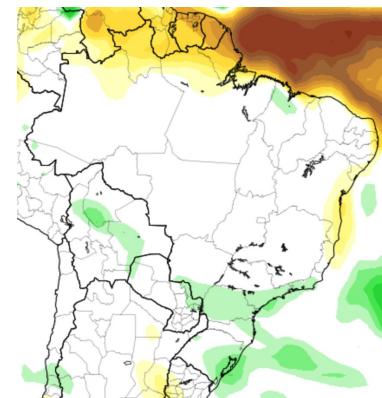
3a e 4a semanas

12-18 junho

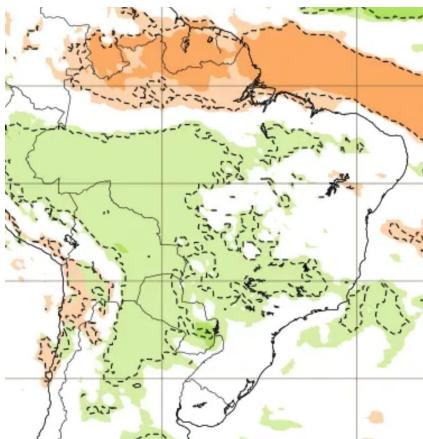


CFS/NOAA

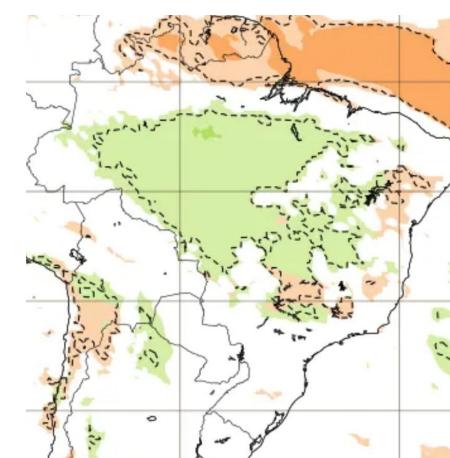
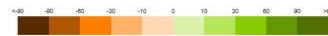
19-25 junho



ECMWF



16-22 junho

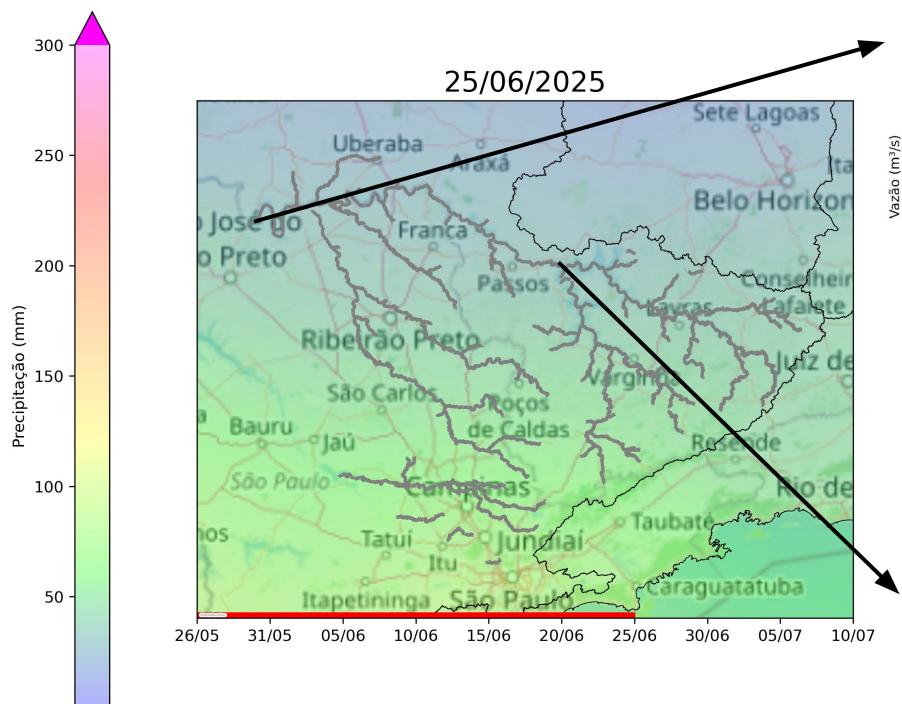


23-29 junho

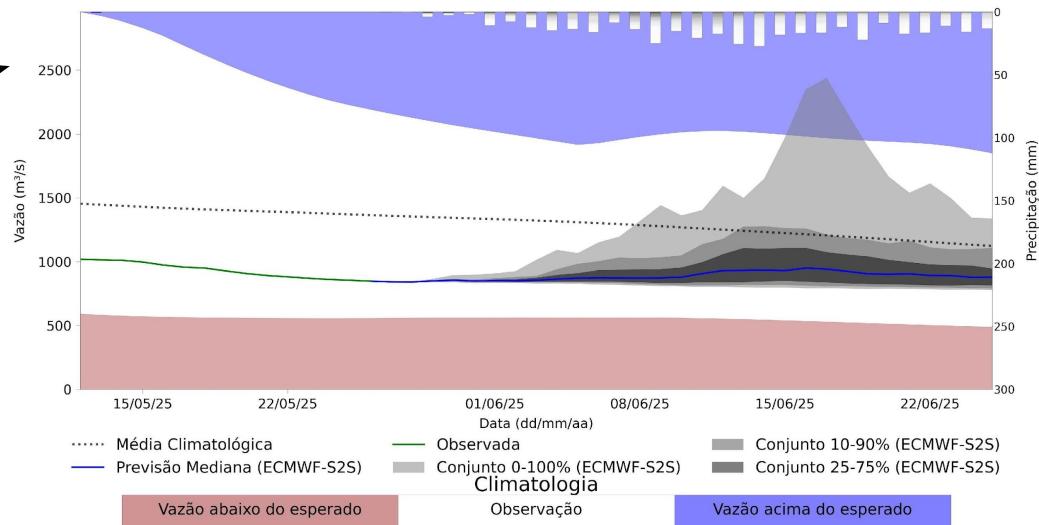
CFSv2 Accumulated Precip. Anomaly (mm)

Previsão de vazão natural na Bacia do Rio Grande 30 dias (Modelo hidrológico MHD)

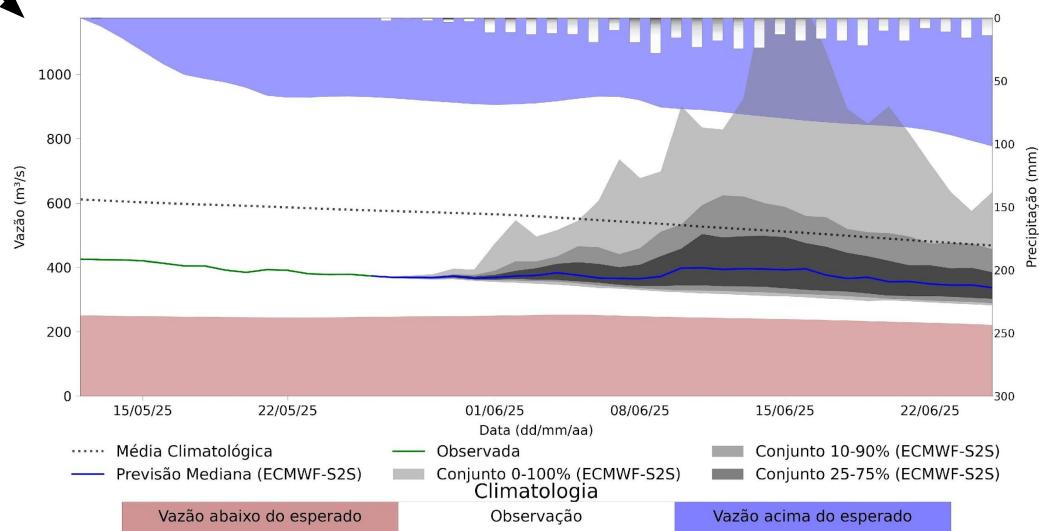
PREVISÃO: 26/05/25 a 25/06/25



UHE Marimbondo



UHE Furnas

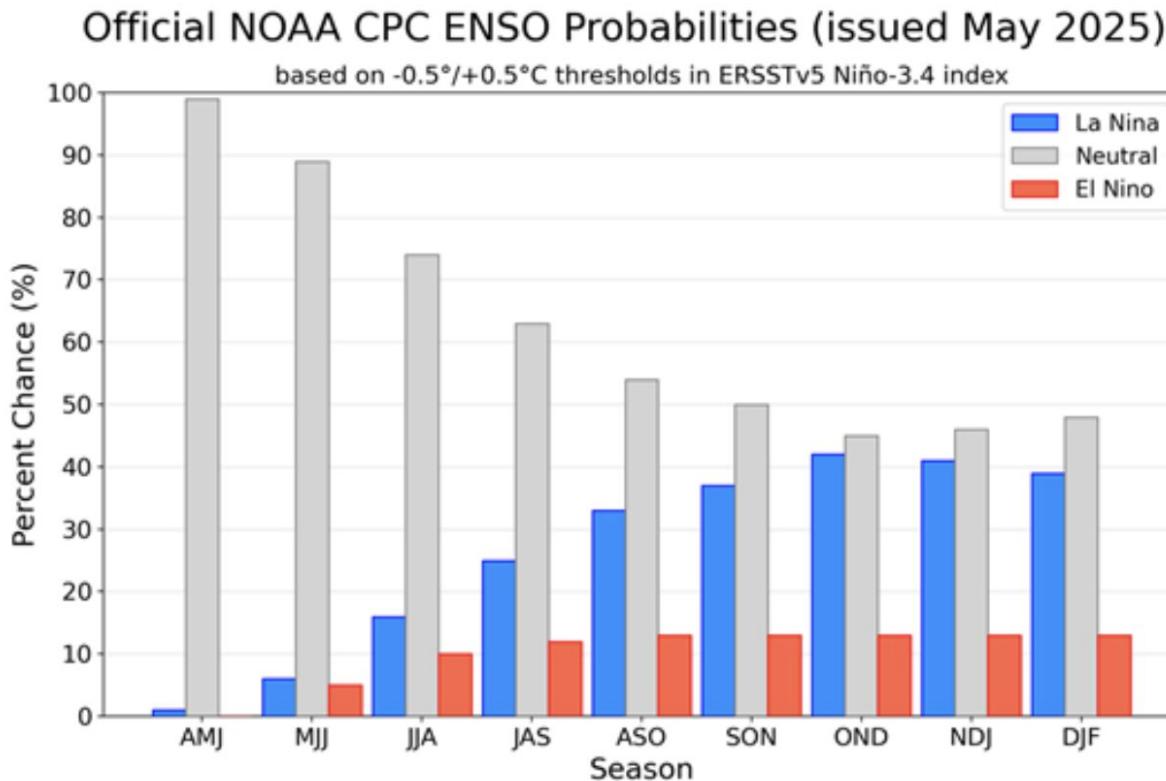


Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

MLT: 1993-2024

Previsão Meteorológica: ECMWF-S2S

Previsão do “ENSO”

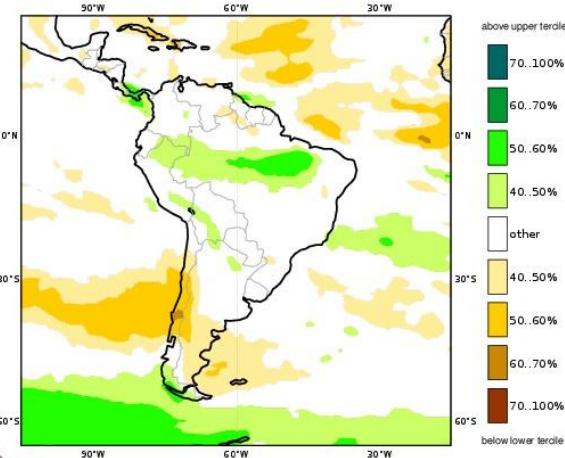


Situação => NEUTRALIDADE

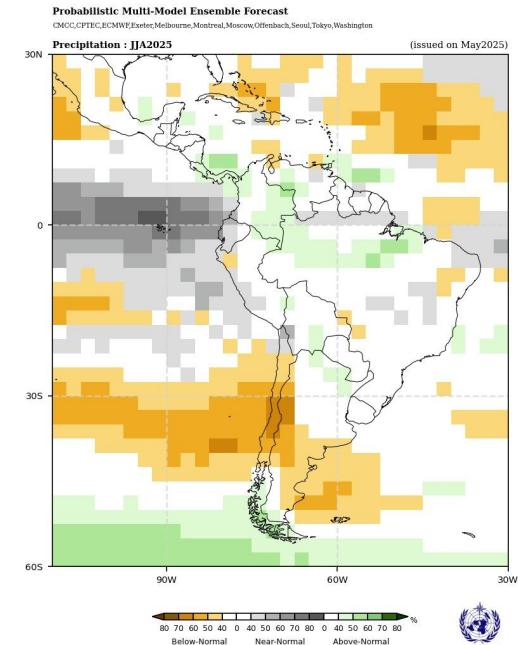
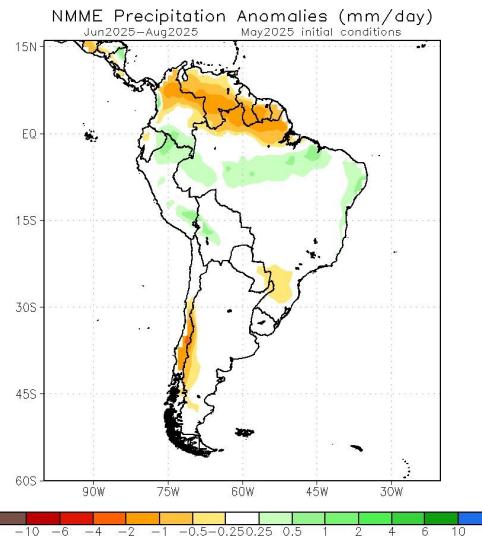
Previsão Sazonal de Chuva Multi-Modelo

Junho-Julho-Agosto

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/05/25
Unweighted mean



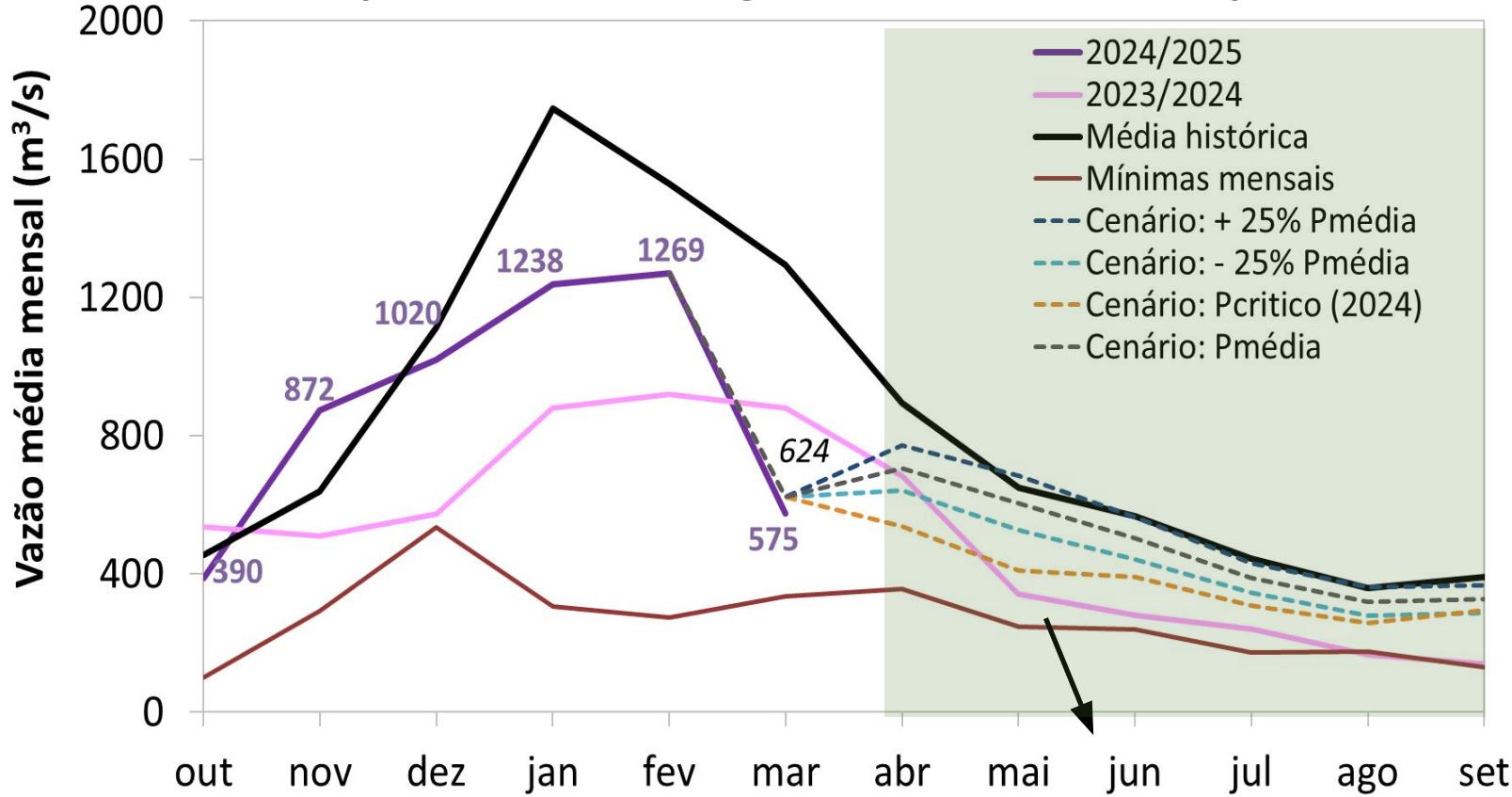
Modelos Europeus



Modelos Norte Americanos

Modelos da WMO

Furnas: Projeção de Vazão (modelo hidrológico PDM-CEMADEN)

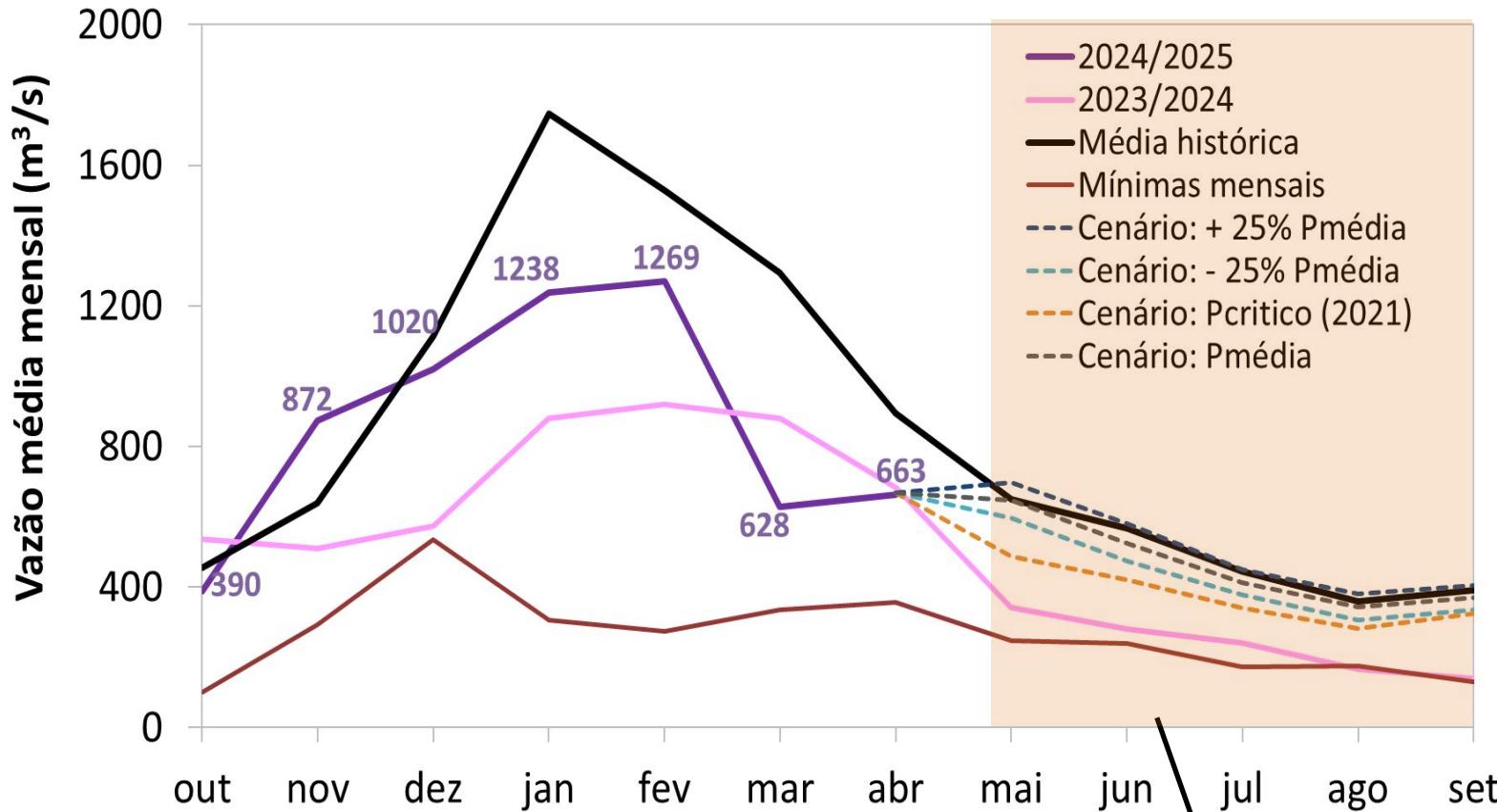


Abril-Setembro (Meses Secos)
MLT: 551 m³/s

Vazão	% MLT
530 m^3/s	96%
475 m^3/s	86%
421 m^3/s	76%
367 m^3/s	67%

Furnas: Projeção de Vazão

(modelo hidrológico PDM-CEMADEN)



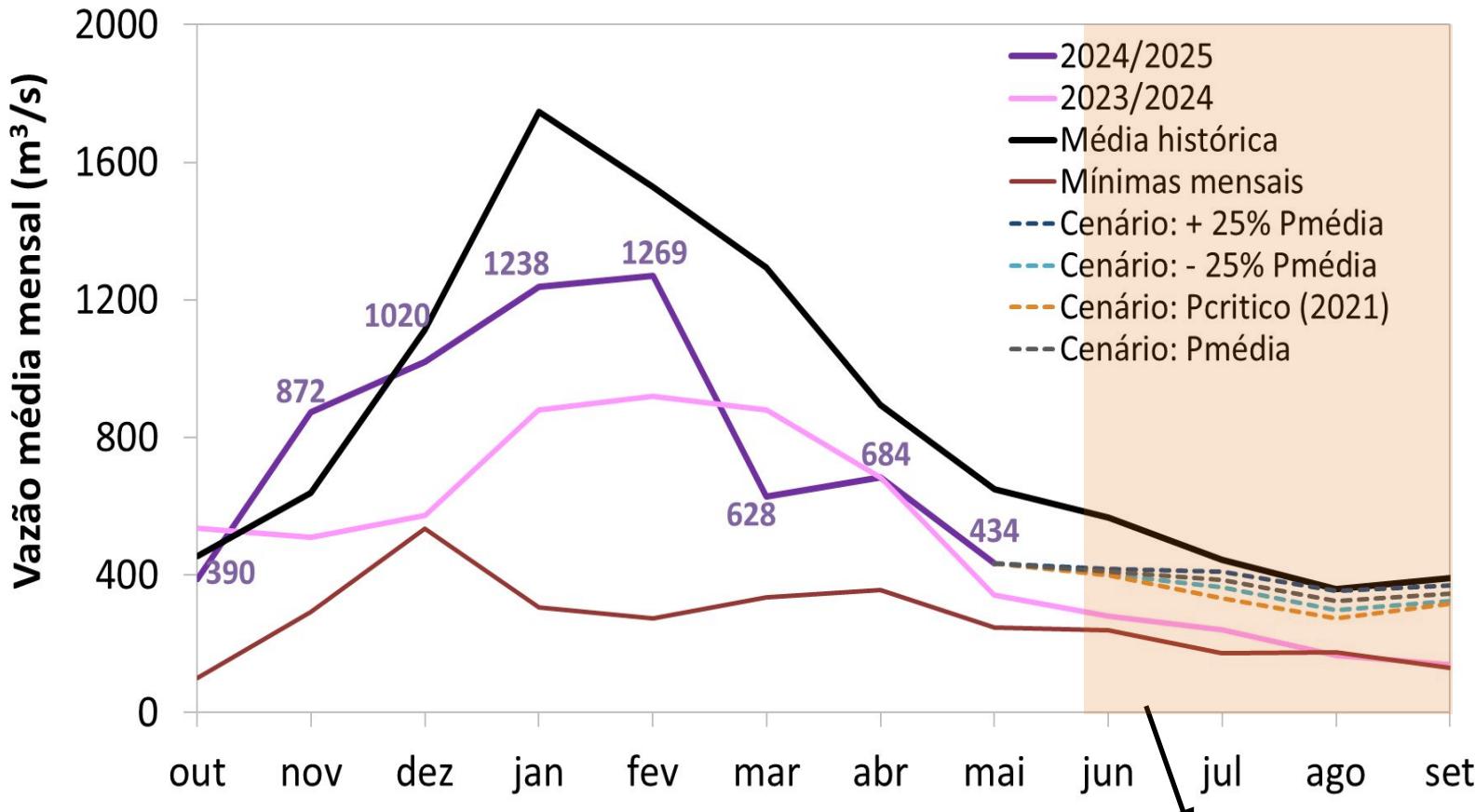
Maio-Setembro (Meses Secos)

MLT: 482 m³/s

Vazão	%
503 m³/s	MLT 104%
460 m ³ /s	95%
418 m³/s	87%
371 m³/s	77%

Furnas: Projeção de Vazão

(modelo hidrológico PDM-CEMADEN)



Junho-Setembro (Meses Secos)

MLT: 440 m^3/s

Vazão	%
388 m^3/s	MLT 88%
367 m^3/s	83%
347 m^3/s	79%
331 m^3/s	75%