



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

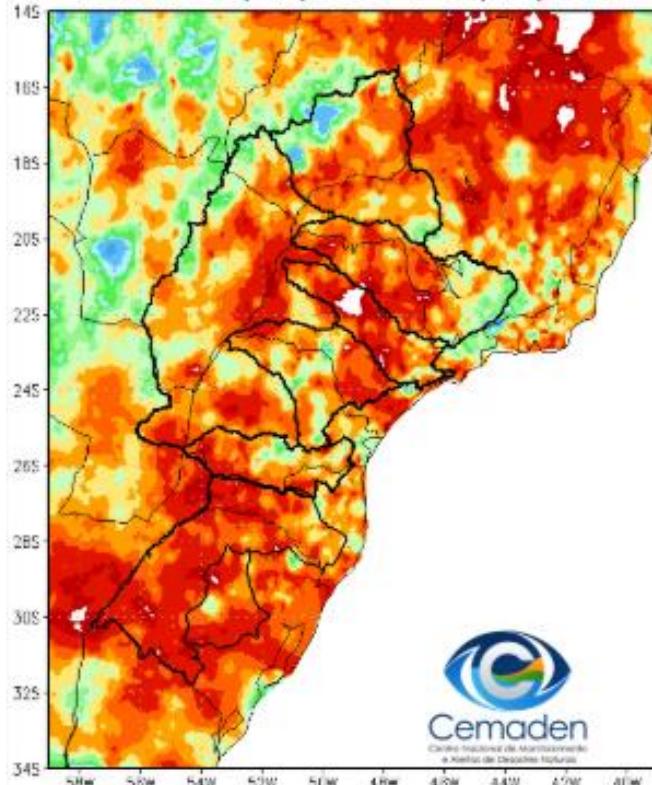
Monitoramento e Previsões
para a
Bacia do rio Paraná

27 de março de 2025

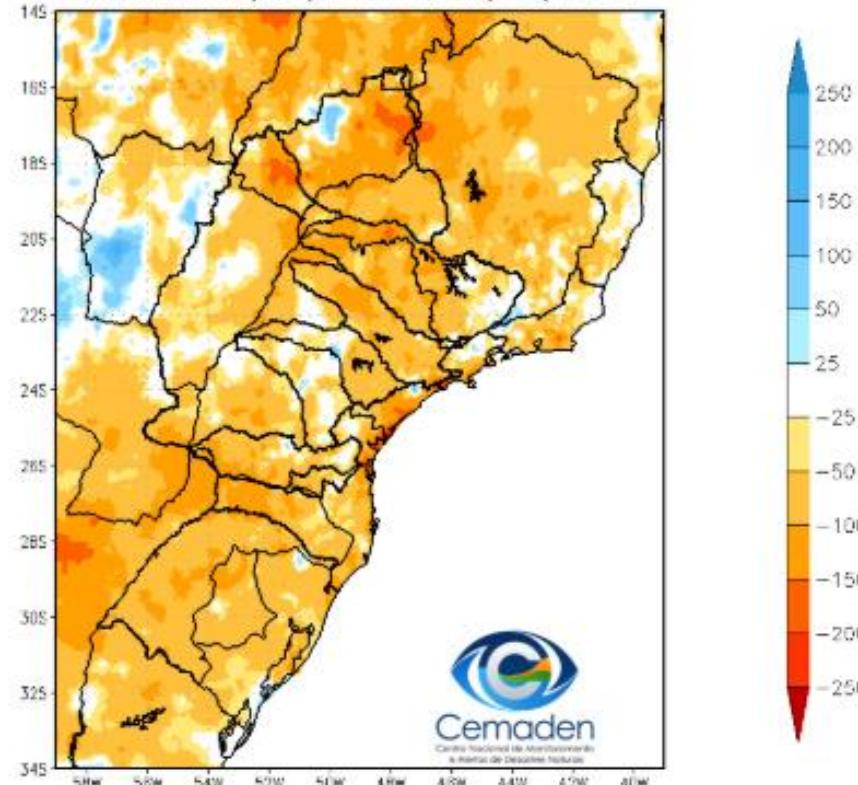


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 24/02/2025 a 26/03/2025

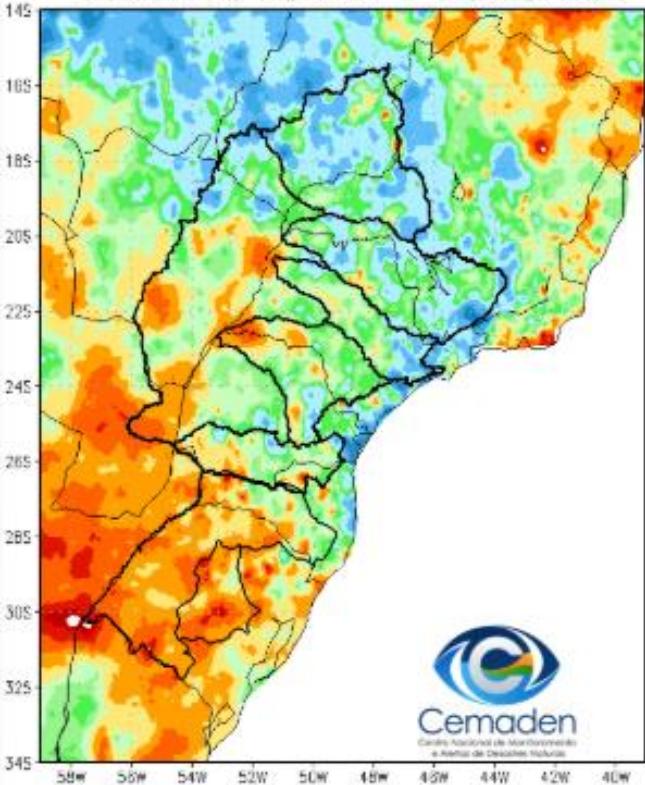


Anomalia de Precipitação (mm) A.S.
Período: 24/02/2025 a 26/03/2025

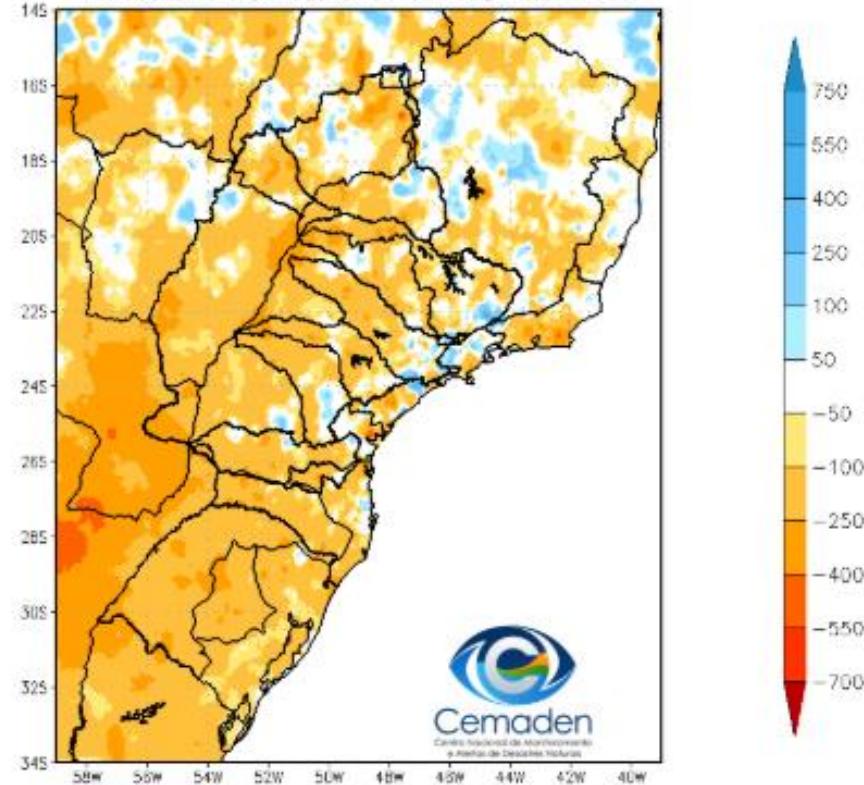


Precipitação acumulada nos últimos 90 dias

Precipitação Acumulada (mm) A.S.
Período: 26/12/2024 a 26/03/2025

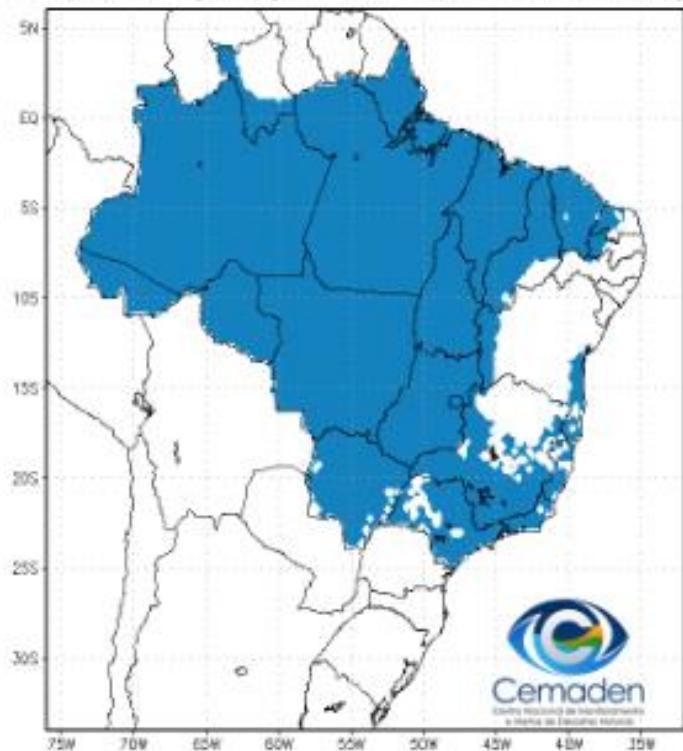


Anomalia de Precipitação (mm) A.S.
Período: 26/12/2024 a 26/03/2025

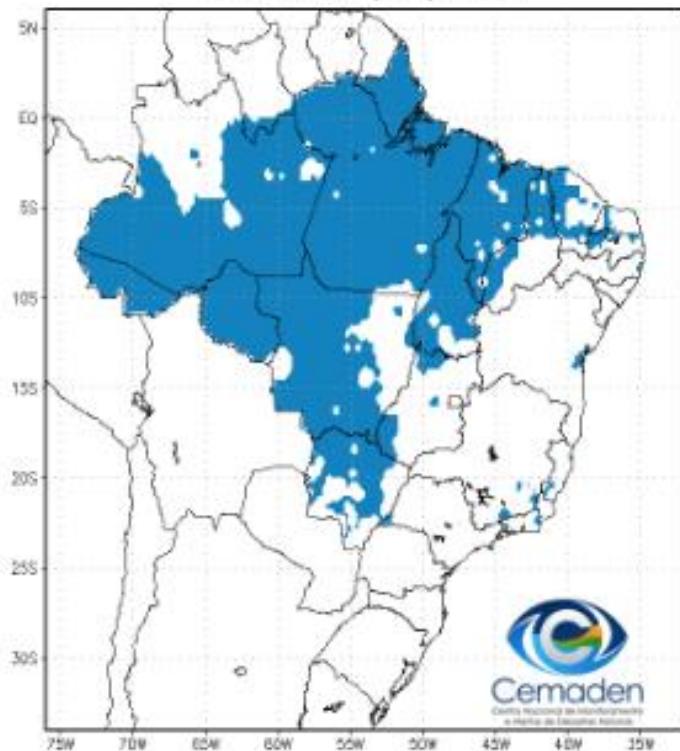


Situação da Estação Chuvosa

Climatologia da Precipitacao (1999–2024)
Inferior 2 mm/dia por 4 de 5 dias Período: 26/03

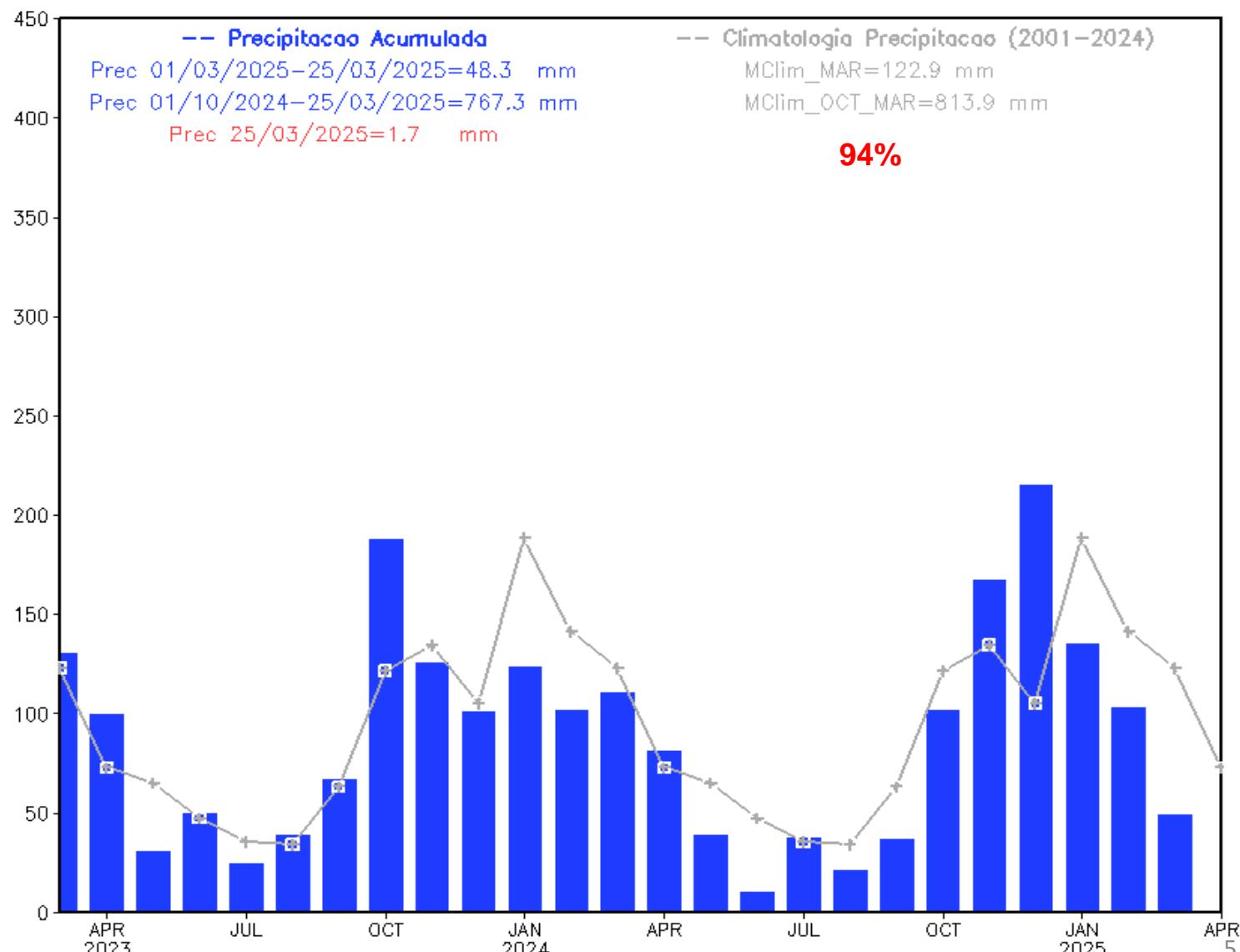


Precipitacao Inferior 2 mm/dia por 4 de 5 dias
Período: 26/03/2025

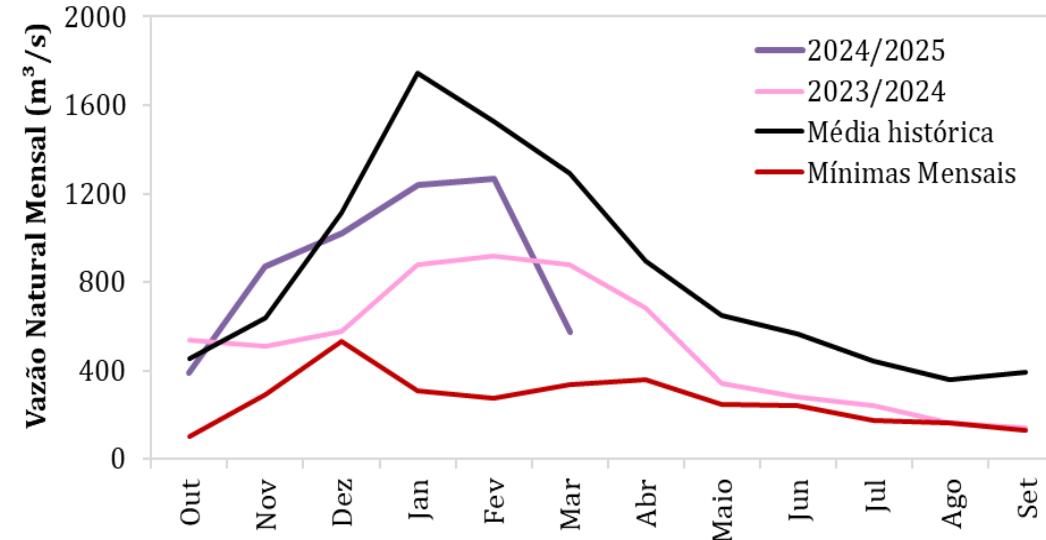
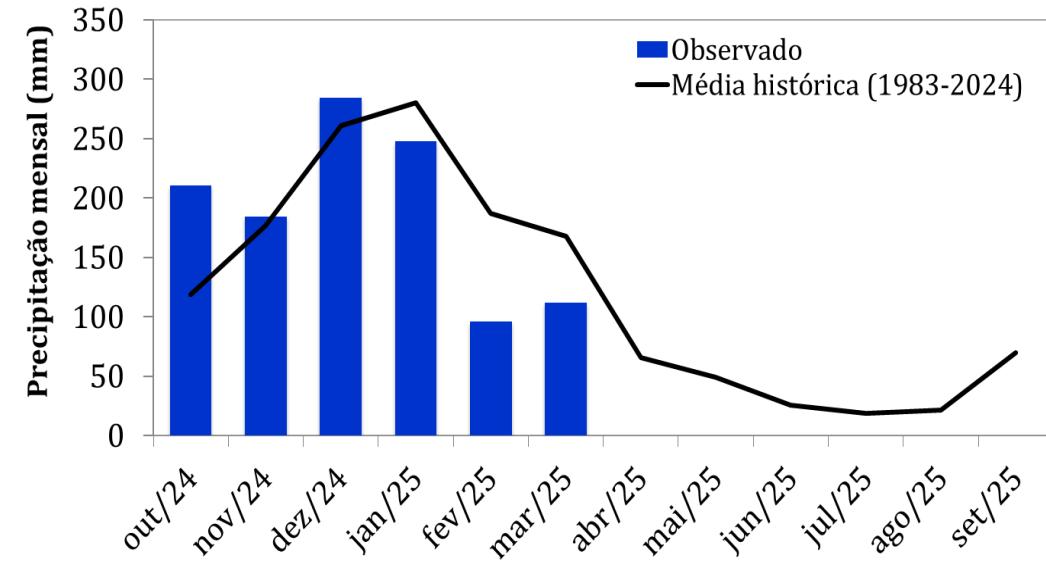


Precipitação acumulada nos últimos 24 meses

Precipitação Bacia do Rio Parana desde MAR 2023



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*: 1135 mm (95% da MLT)

Estação Seca - Abr a Set – 250 mm

2023: 224 mm (90% da MLT)

2024: 102 mm (41% da MLT)

Fev/2025: 96 mm (51% da MLT)

Mar/2025*: 112 mm (67% da MLT)

*Até 25/03/2025

Vazão

Estação Chuvosa - Out a Mar – 1130 m³/s

2023/2024: 716 m³/s (63% da MLT)

2024/2025**: 894 m³/s (79% da MLT)

Estação Seca - Abr a Set – 551 m³/s

2023: 495 m³/s (108% da MLT)

2024: 309 m³/s (56% da MLT)

Fev/25: 1269 m³/s (83% da MLT)

Mar/25**: 575 m³/s (44% da MLT)

25/Mar/25: 746 m³/s (58% da MLT)

**Até 25/03/2025

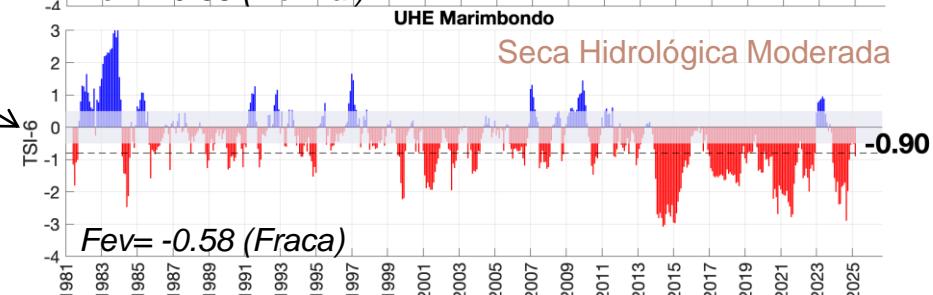
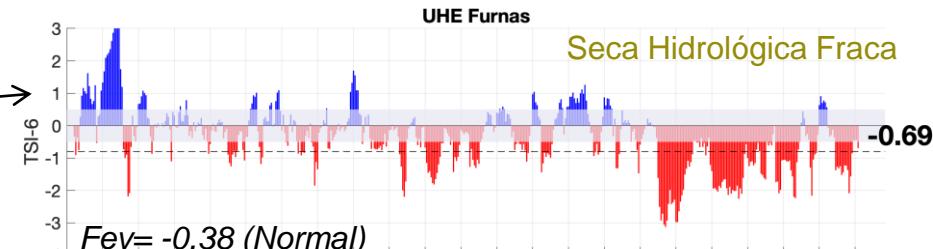
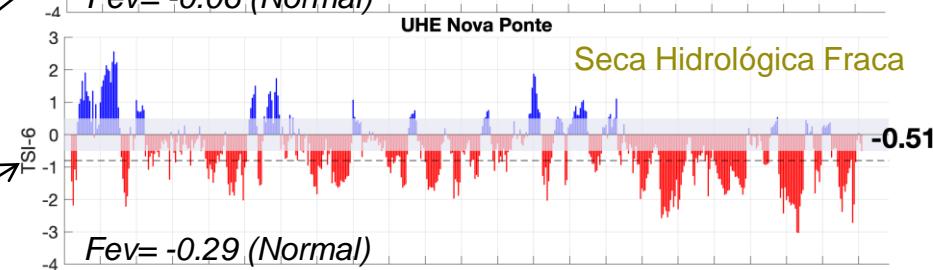
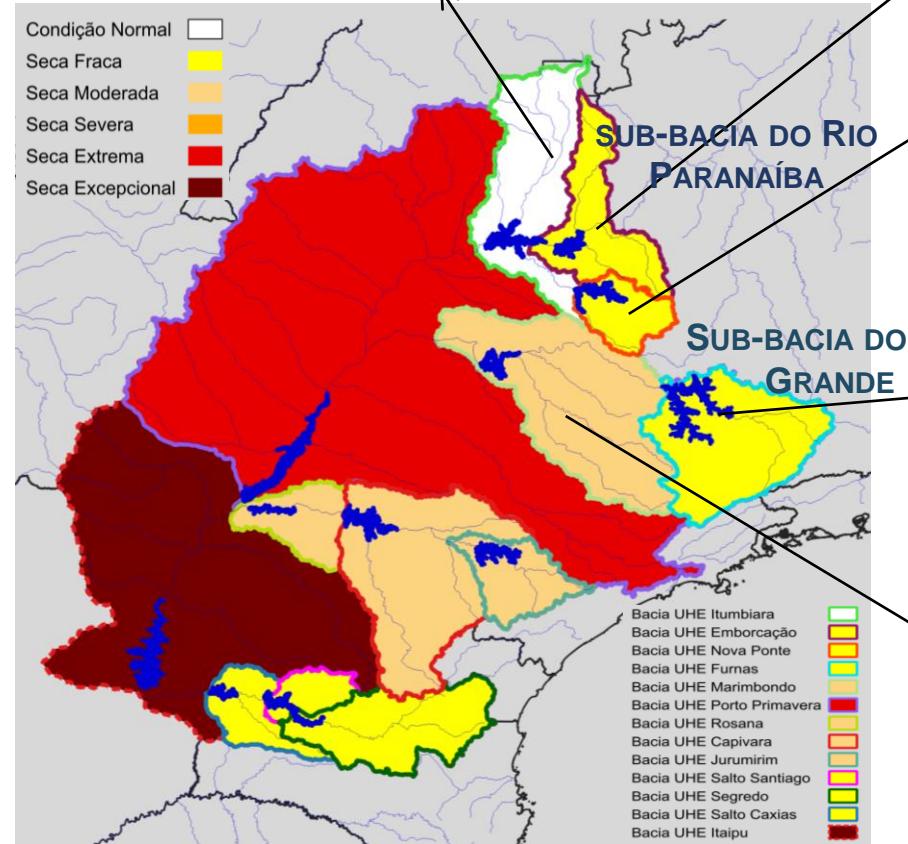
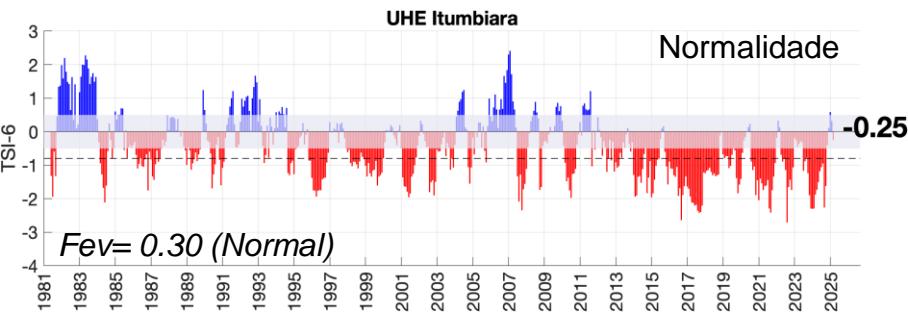
Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

BACIA DO RIO PARANÁ

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

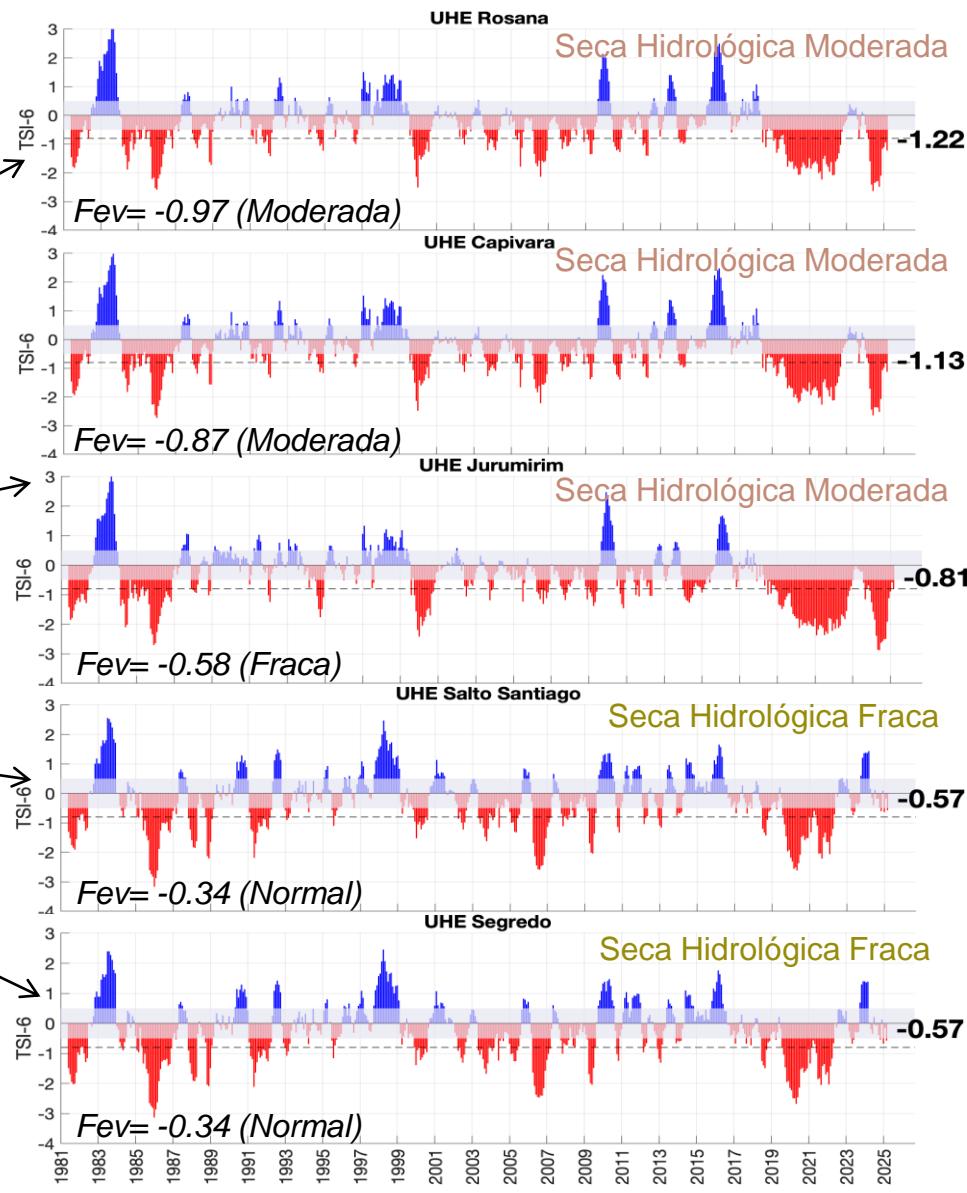
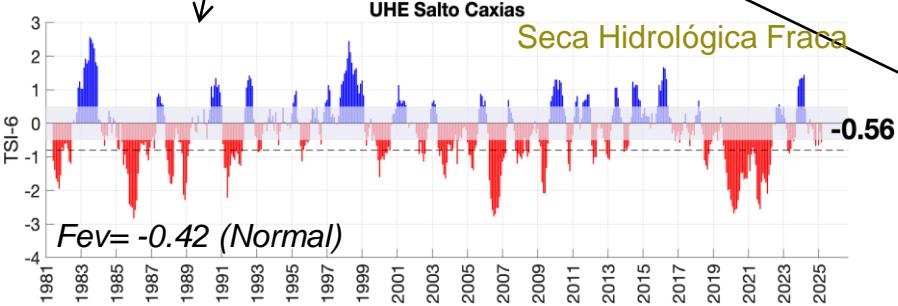
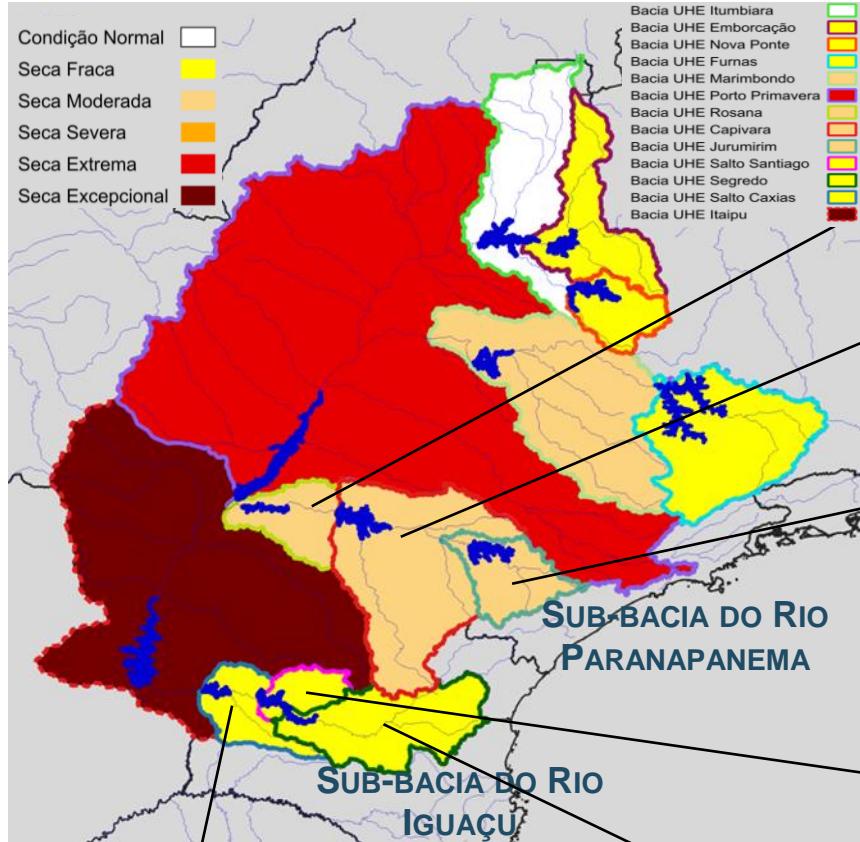
Março/2025



BACIA DO RIO PARANÁ

Março/2025

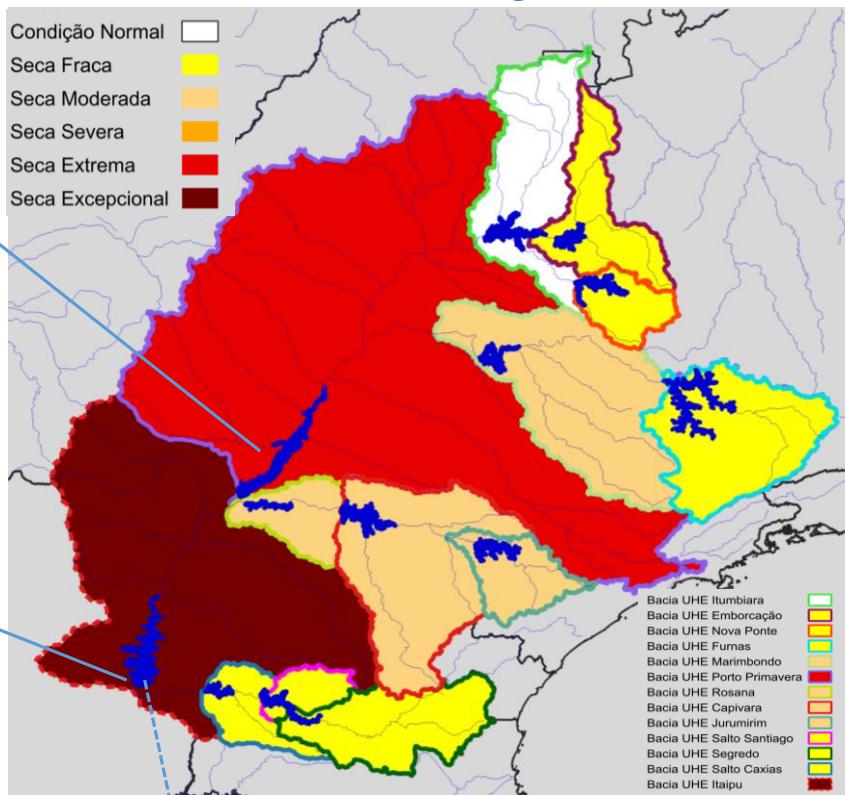
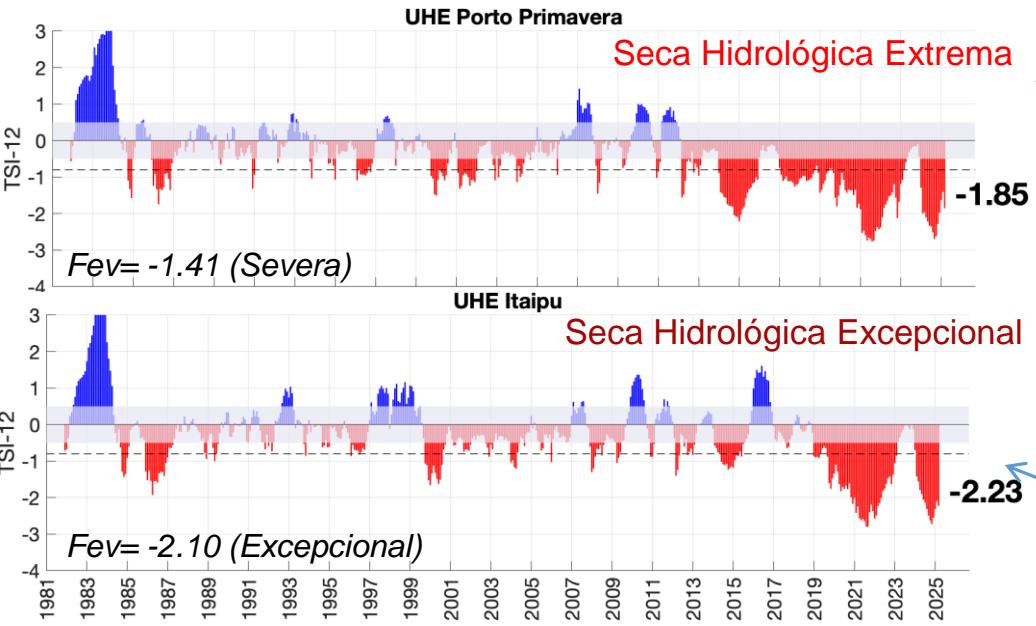
Índice de Seca Bivariado (Chuva-Vazão) – TSI 6



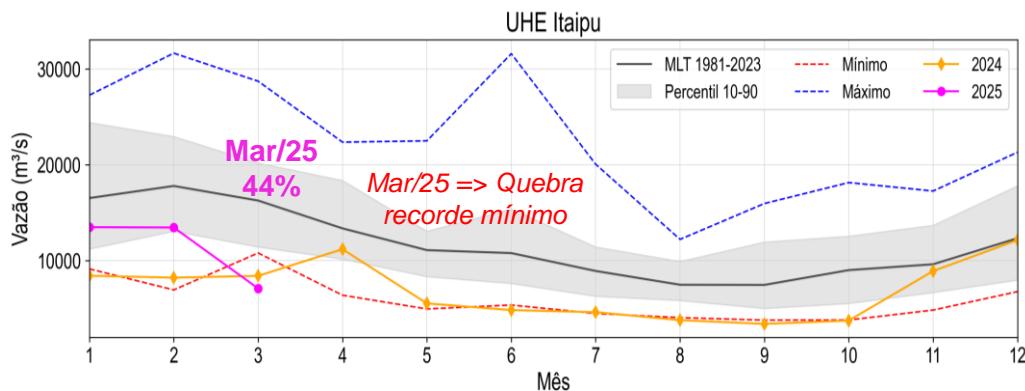
BACIA DO RIO PARANÁ

Março/2025

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



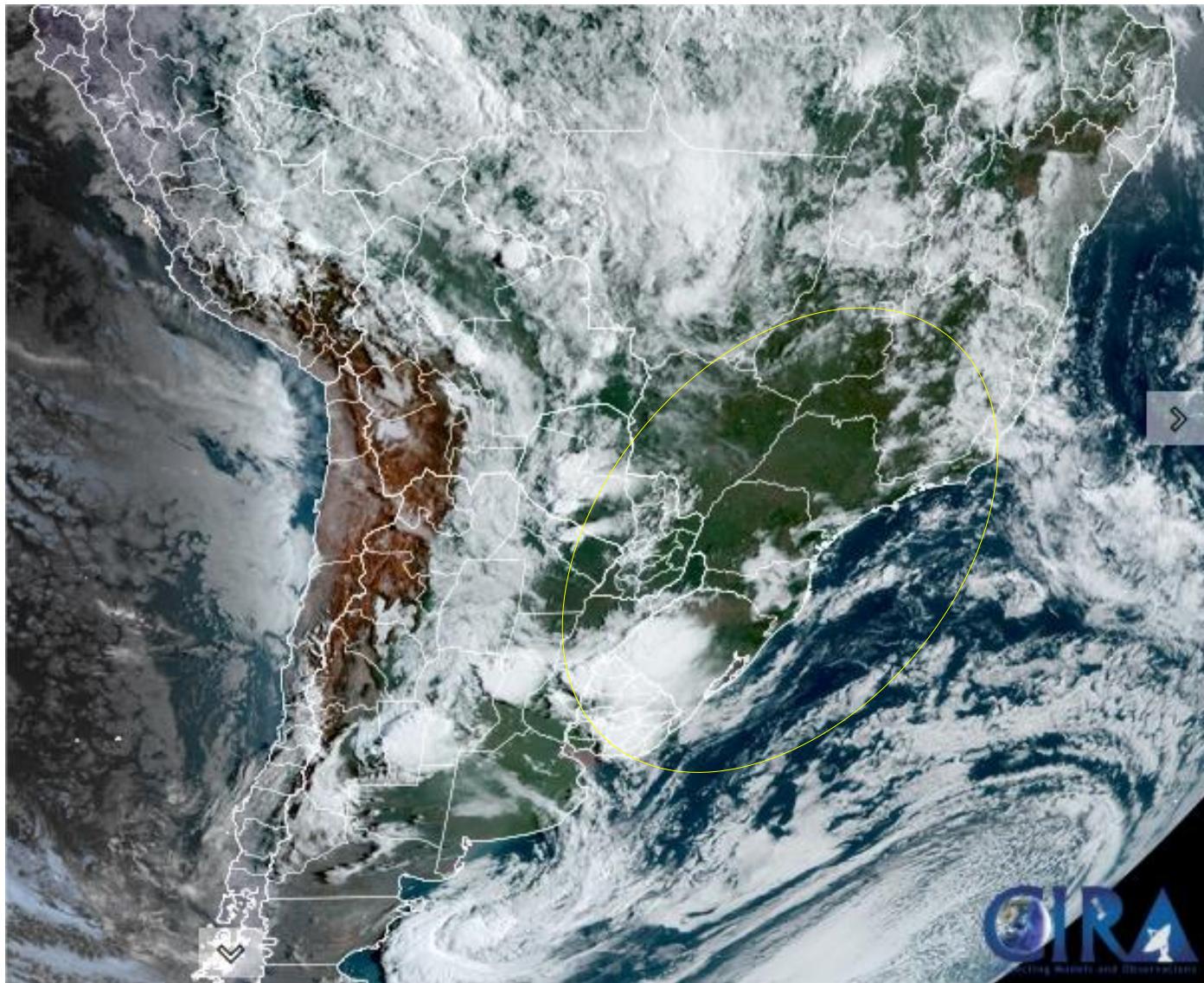
Série de dados = Jan/1981- Mar/2025



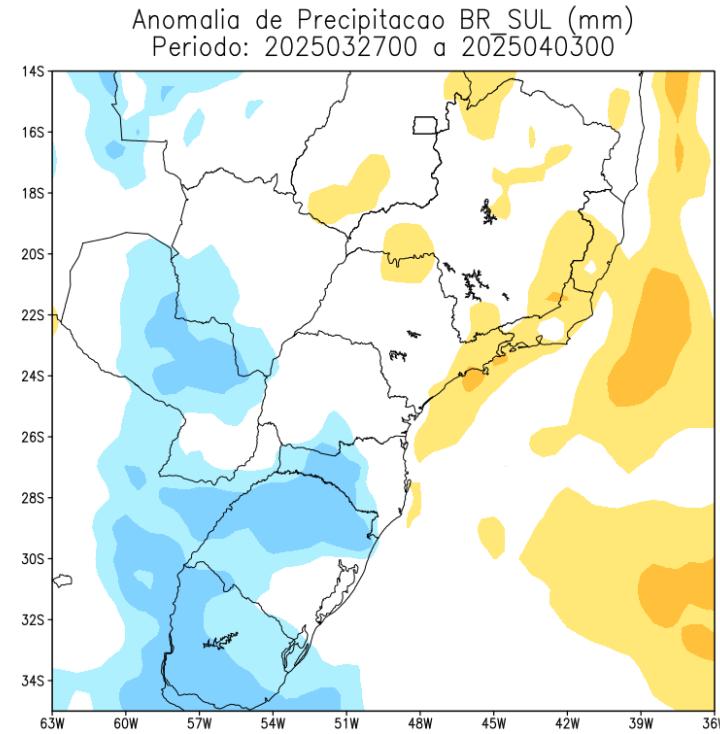
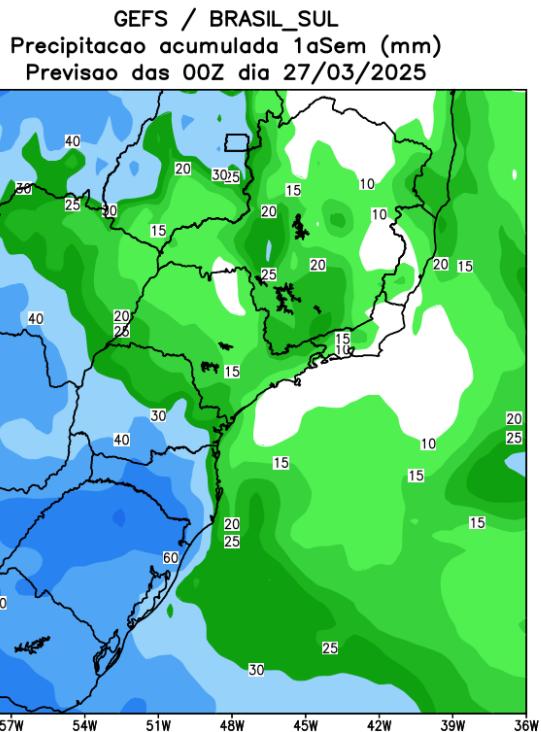
Fonte: CEMADEN/MCTI

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

Situação meteorológica atual



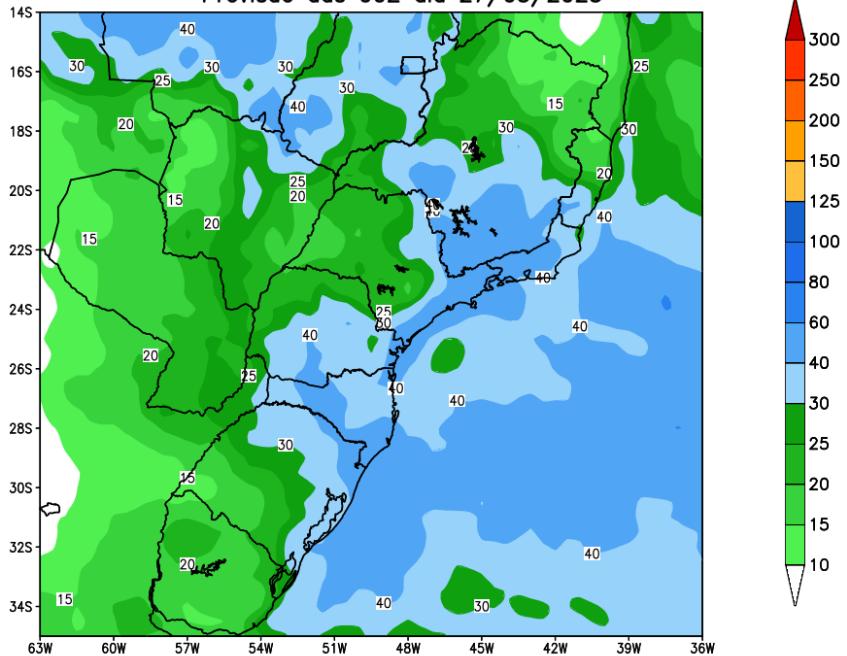
Previsão de chuva para os próximos 7 dias



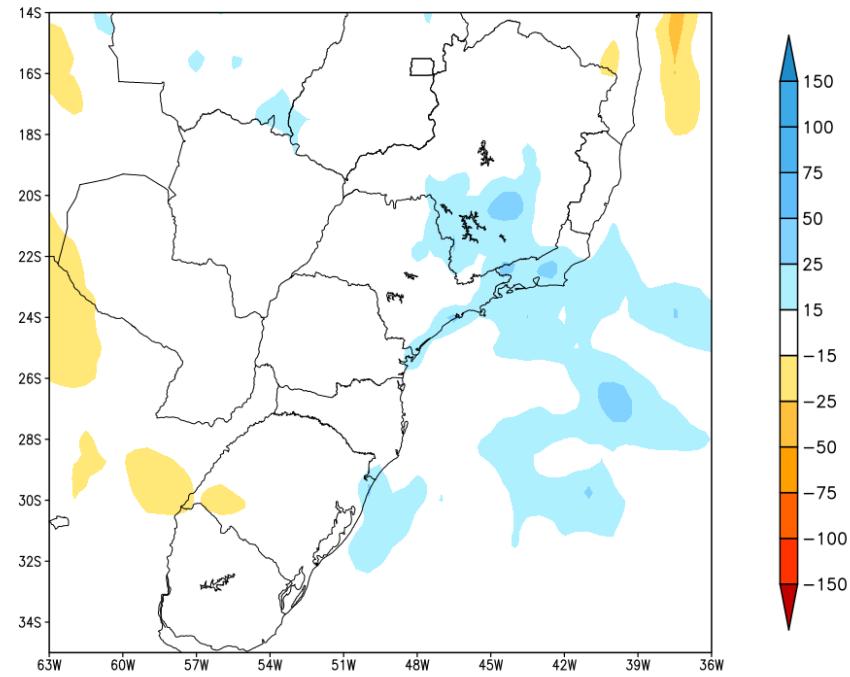
Fonte: GEFS/NOAA

Tendência para a 2ª Semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 27/03/2025

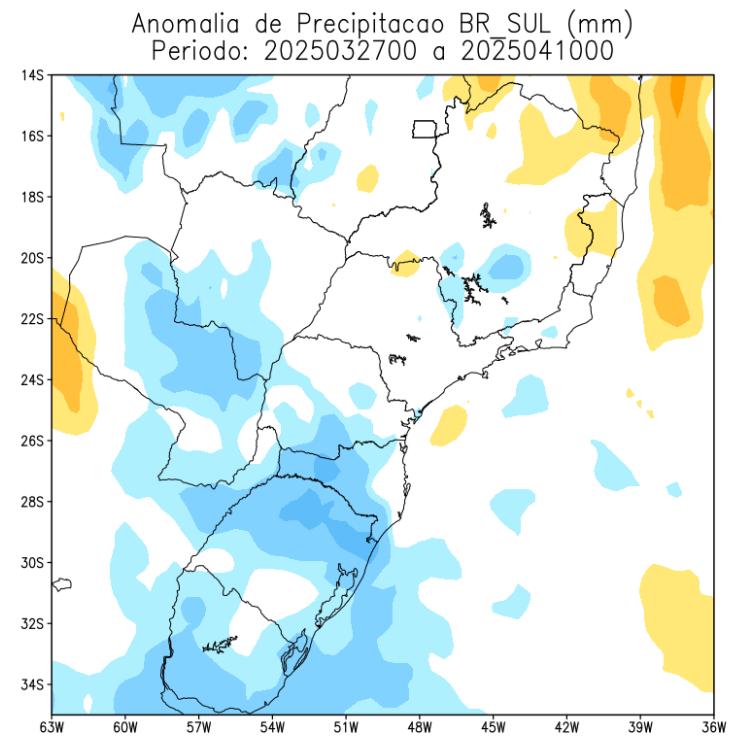
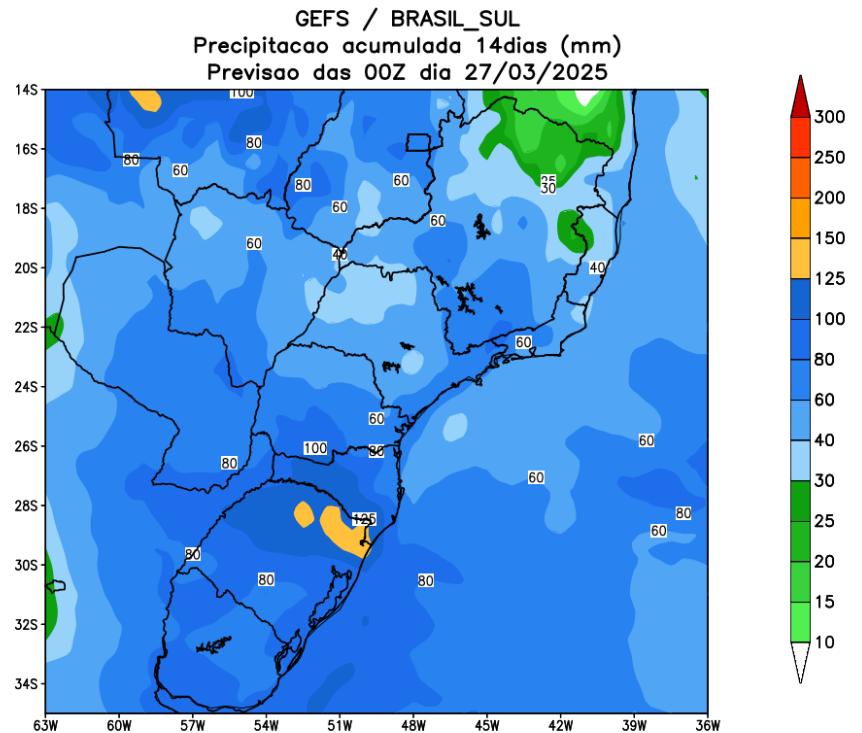


Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2025040400 a 2025041000



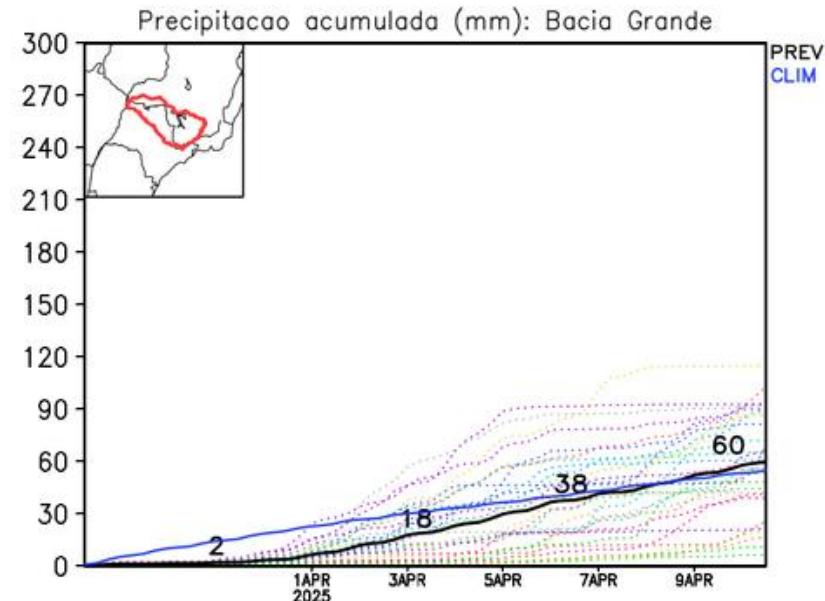
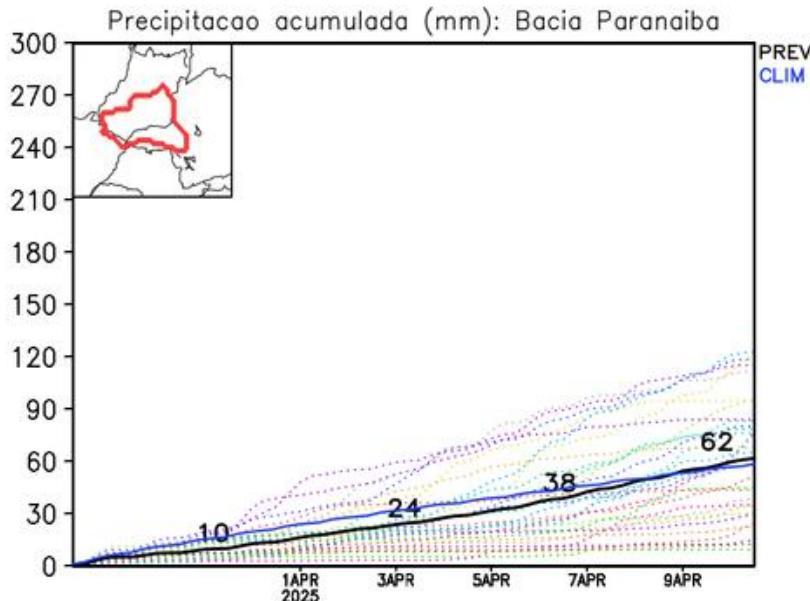
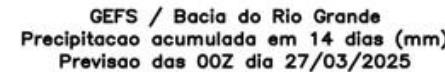
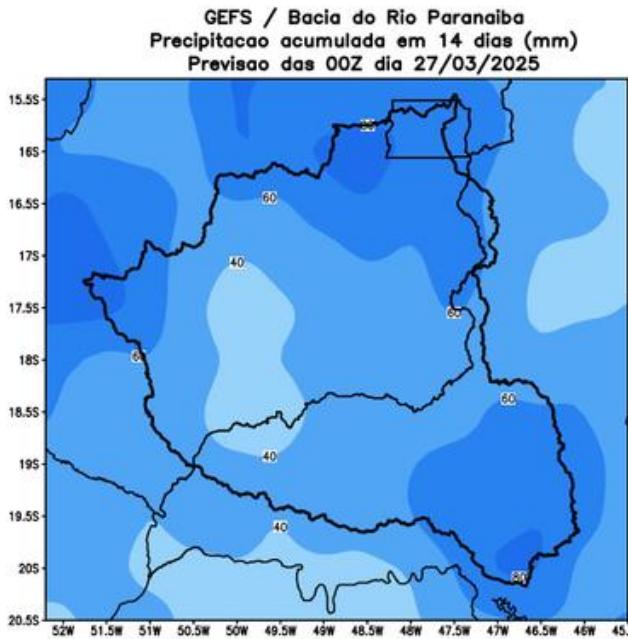
Fonte: GEFS/NOAA

Tendência para as duas próximas semanas

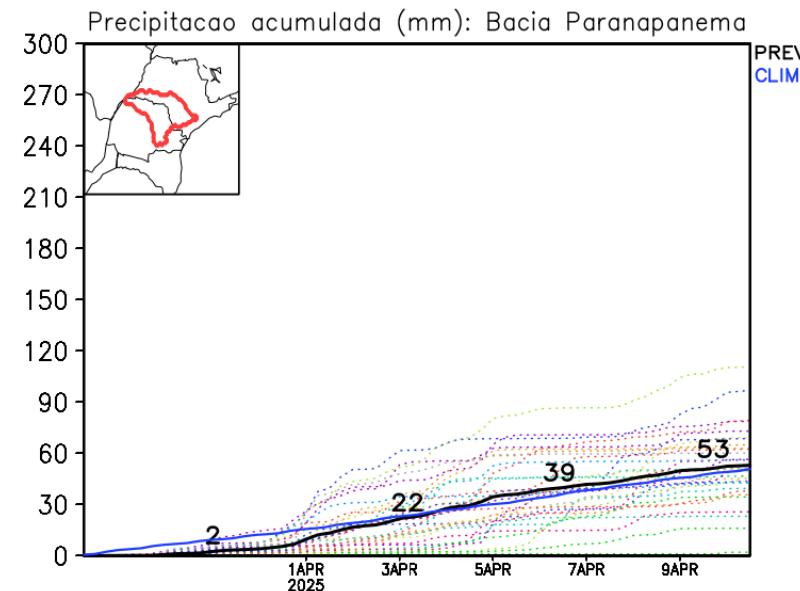
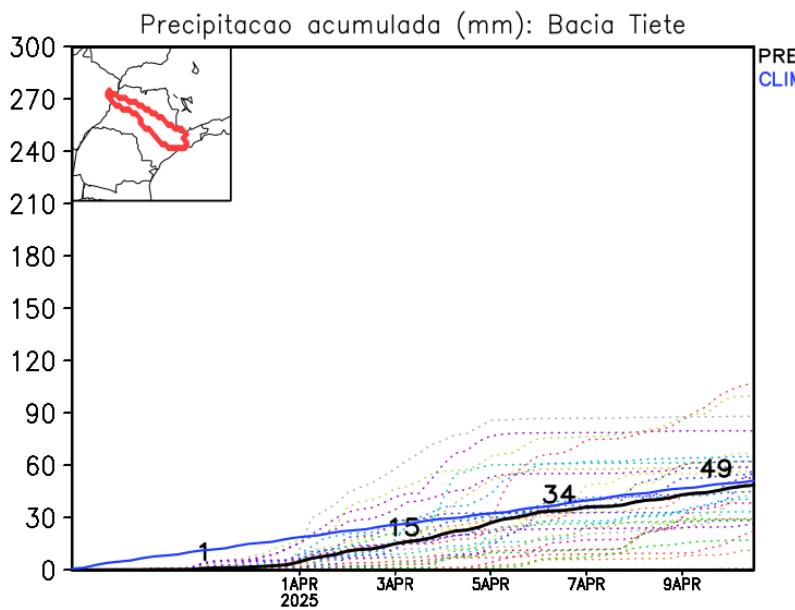
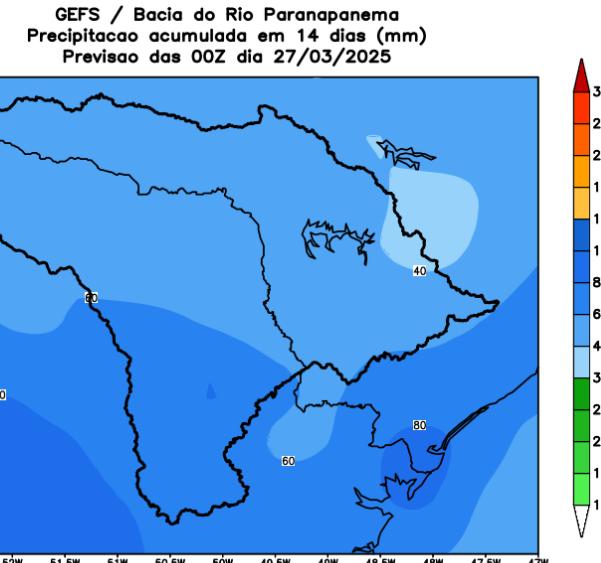
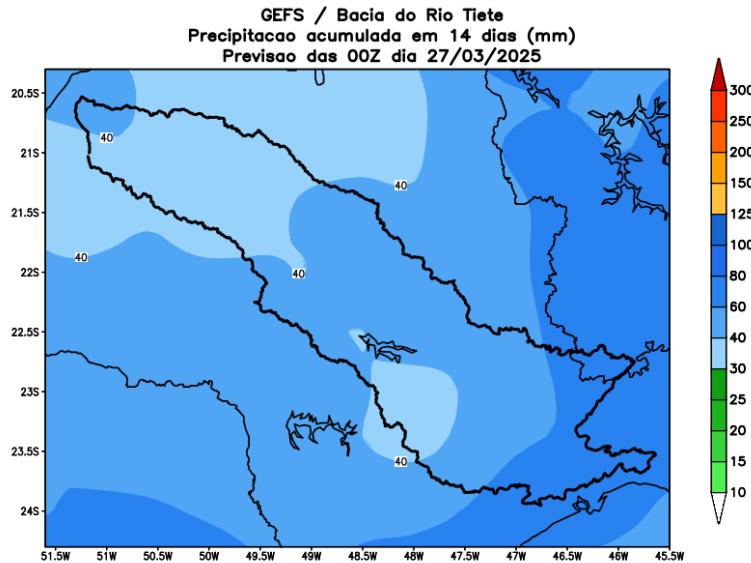


Fonte: GEFS/NOAA

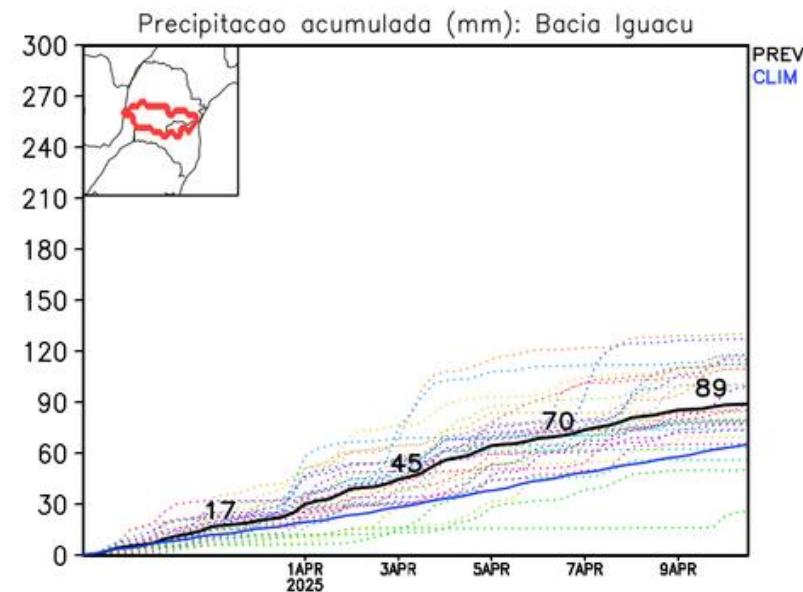
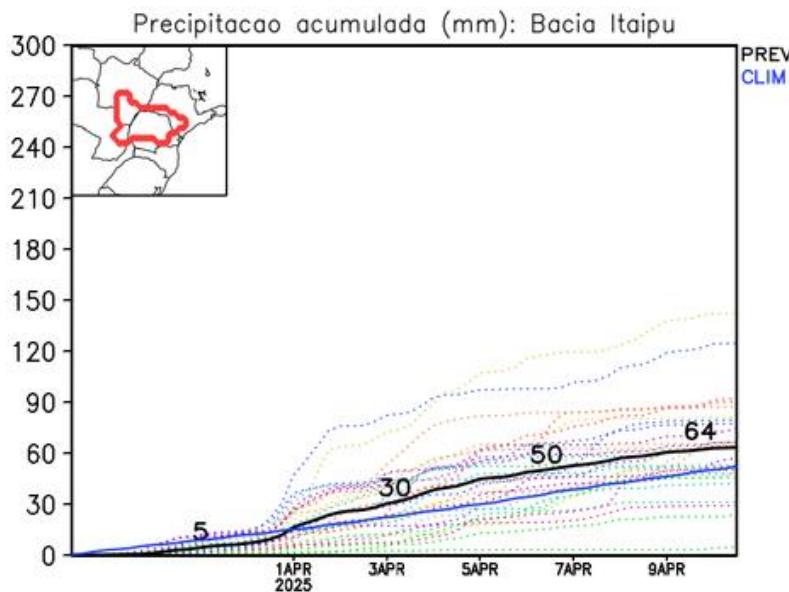
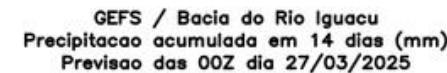
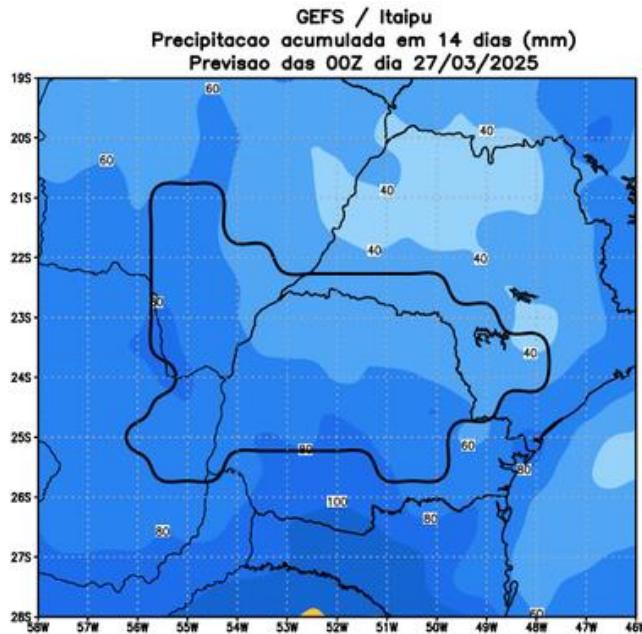
Bacia do rios Paranaíba e Grande



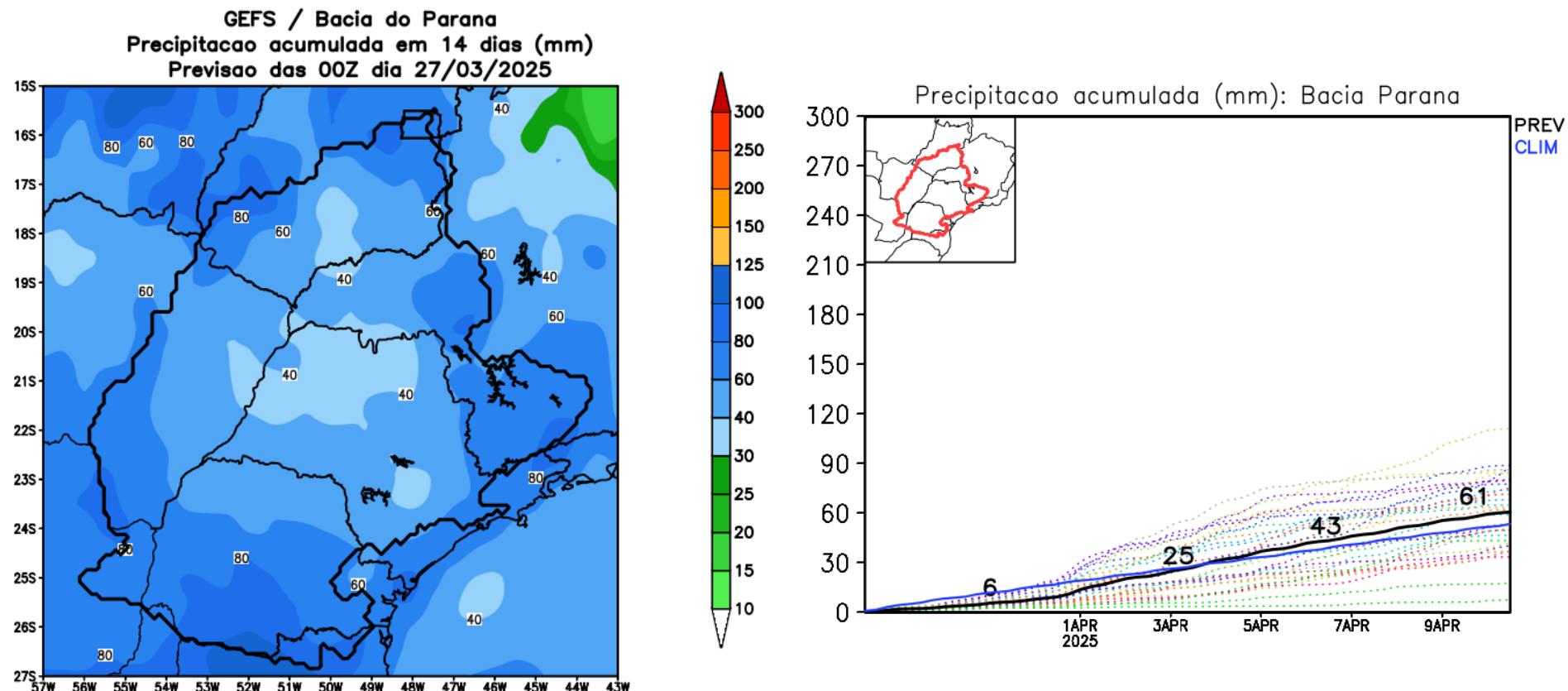
Bacia do rios Tietê e Paranapanema



Bacia do Itaipu e Iguaçu



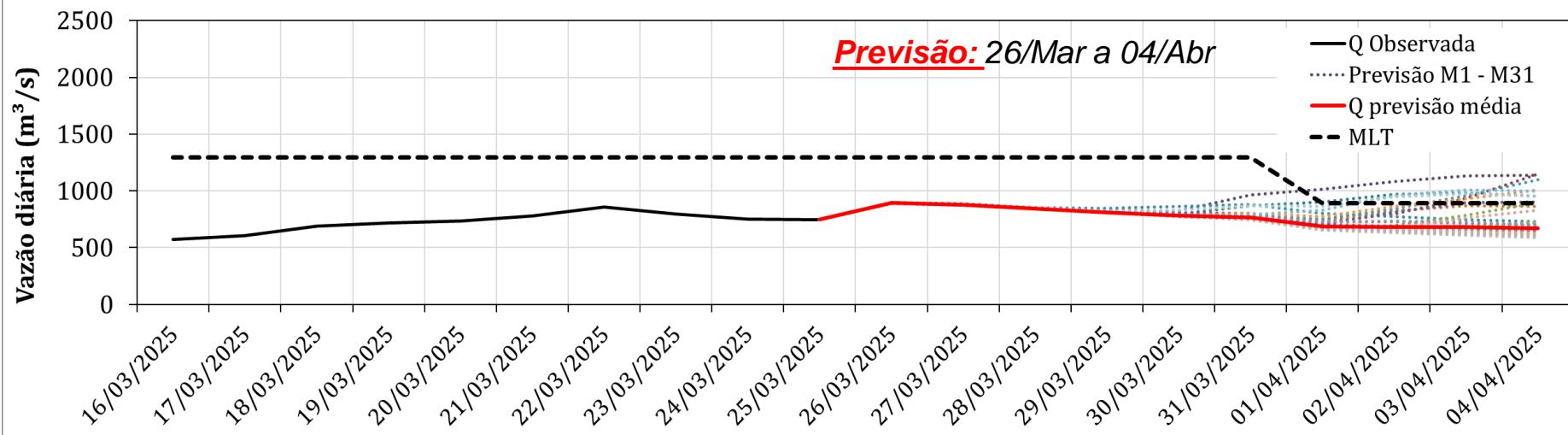
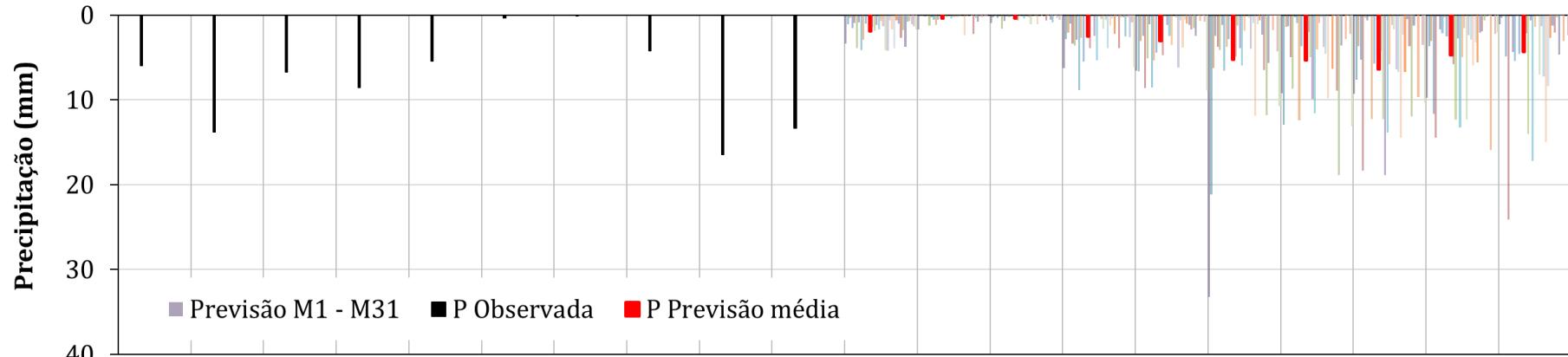
Previsão de chuva para os próximos 7 dias



Fonte: GEFS/NOAA

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

Vazão Natural e Precipitação Diárias para Furnas
16/Março a 04/Abril/2025



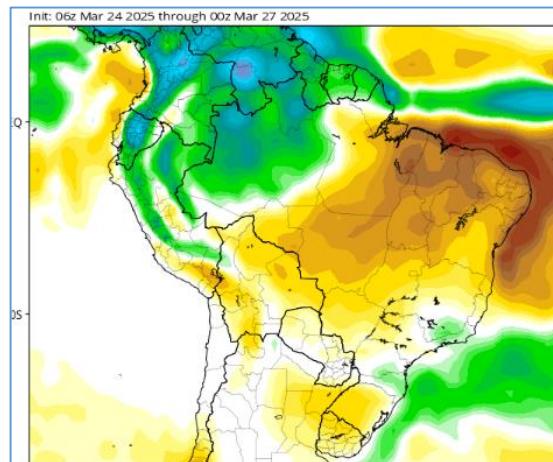
Previsão média para os próximos 10 dias: 770 m^3/s
(MLT Mar= 1295 m^3/s ; MLT Abr = 894 m^3/s)

Anomalia de Chuva

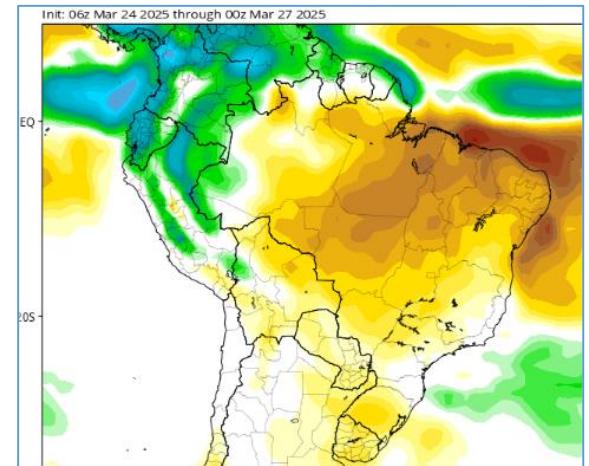
3a e 4a semanas

CFS/NOAA

10-17 Abr

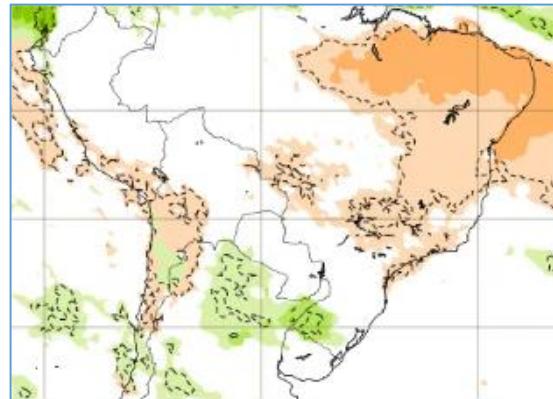


17-24 Abr

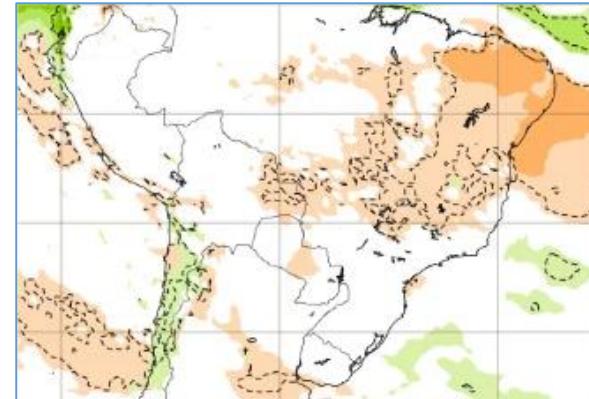


Color scale: -100 -80 -60 -40 -20 0 10 30 50 70 90 110

ECMWF



14-21 Abr

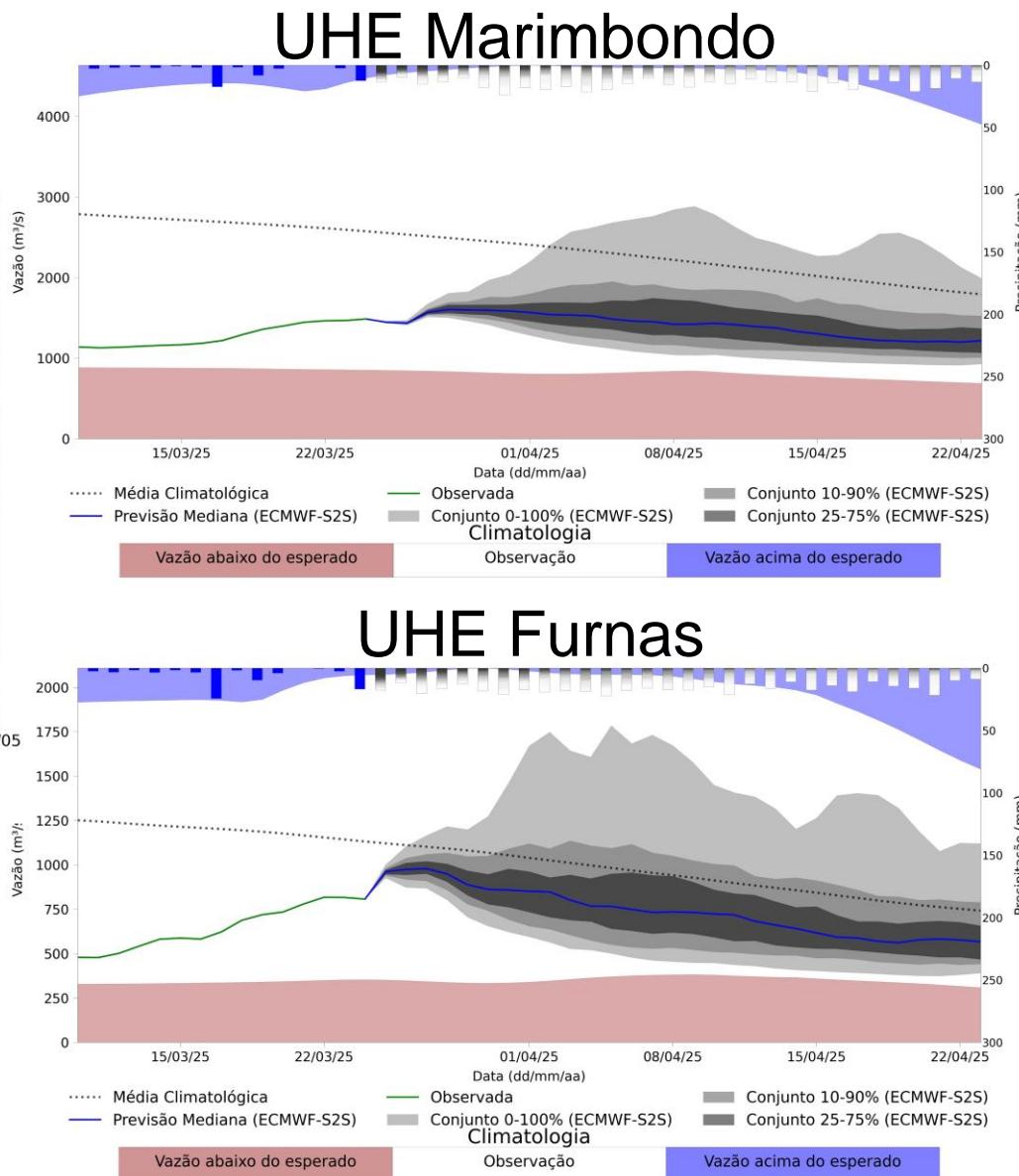
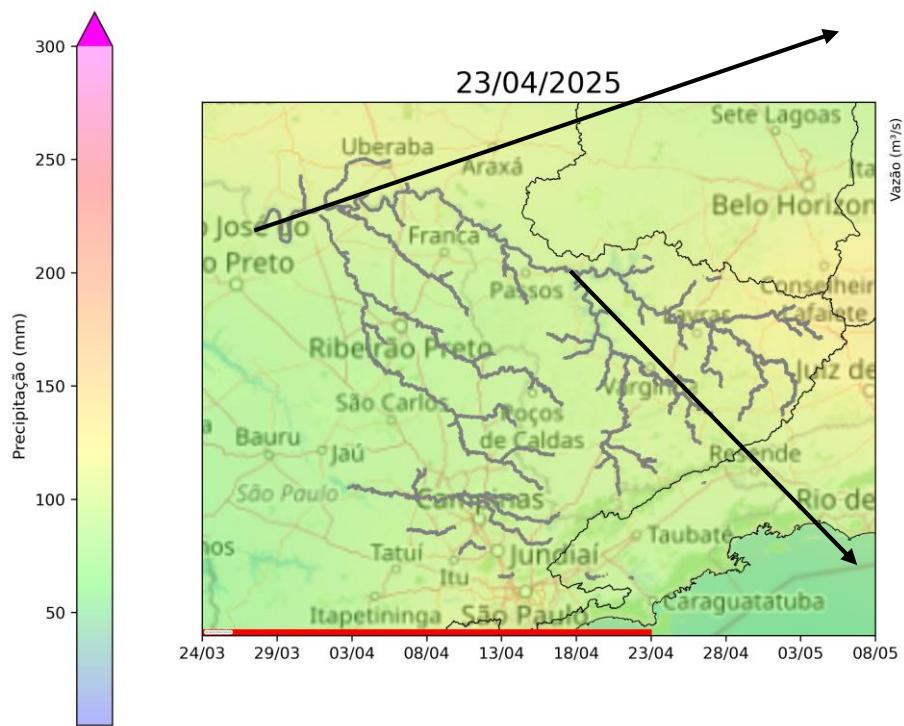


21-28 Abr

CFSv2 Accumulated Precip. Anomaly (mm)

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

PREVISÃO: 24/03/25 a 23/04/25



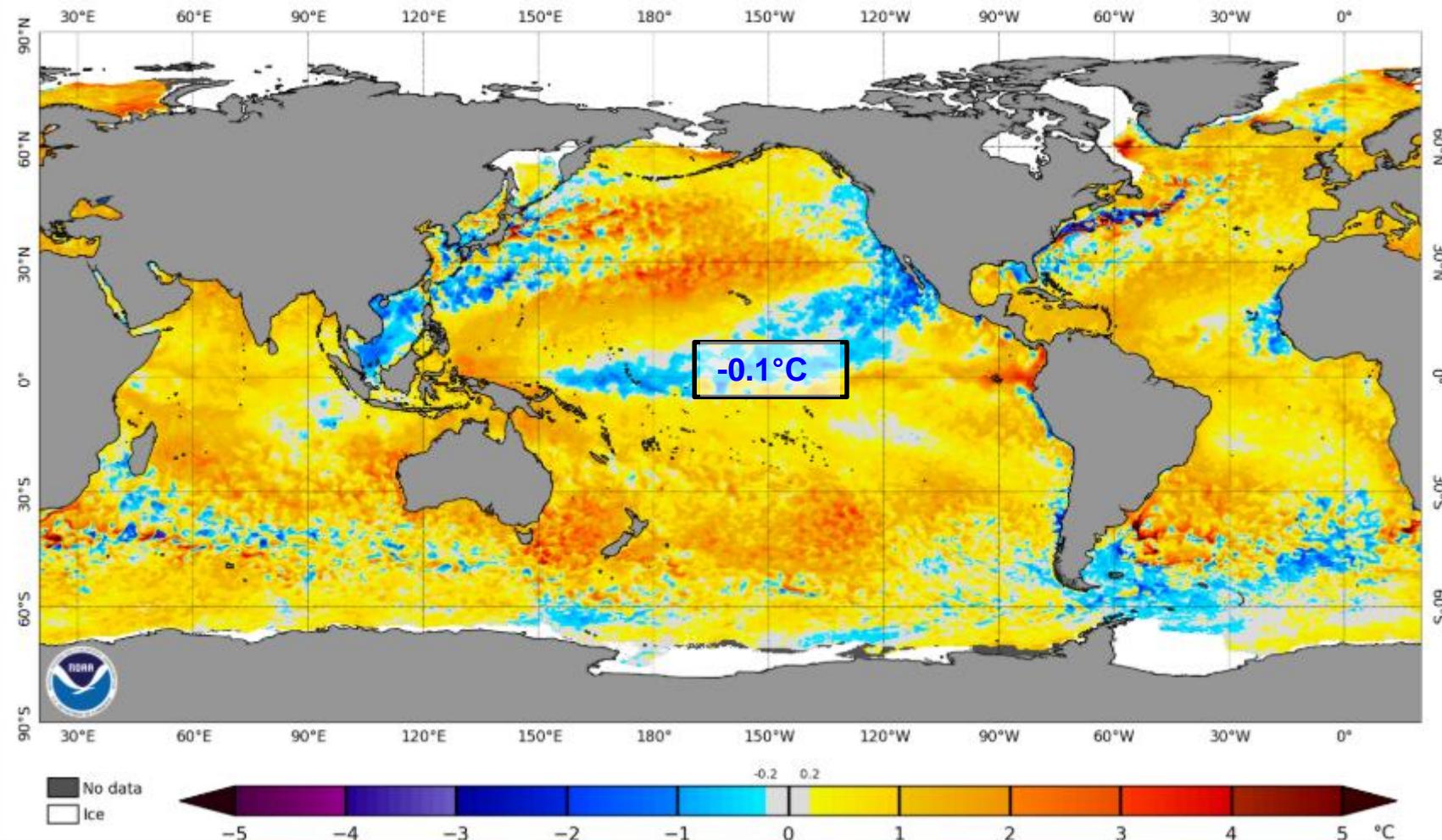
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

MLT: 1993-2023

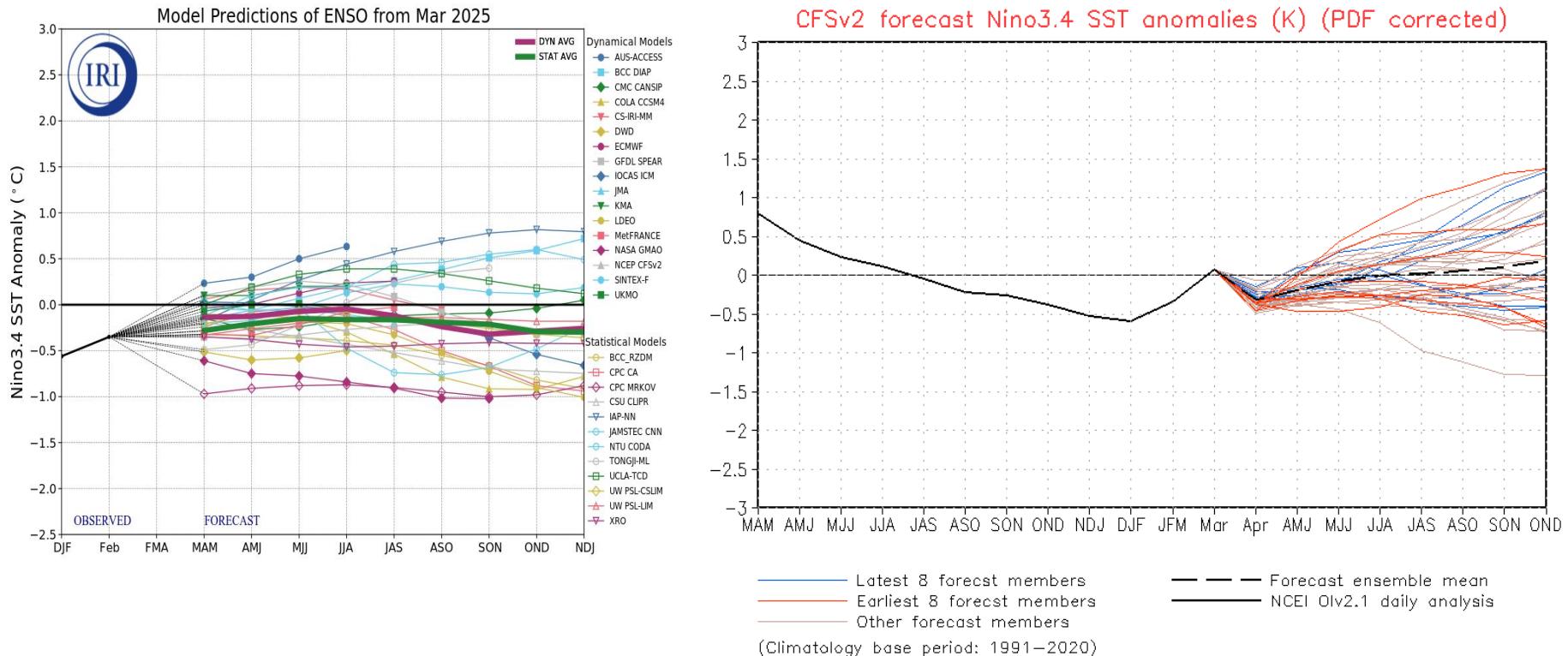
Previsão Meteorológica: ECMWF-S2S

Status Atual: Transição para Neutralidade

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 23 Mar 2025



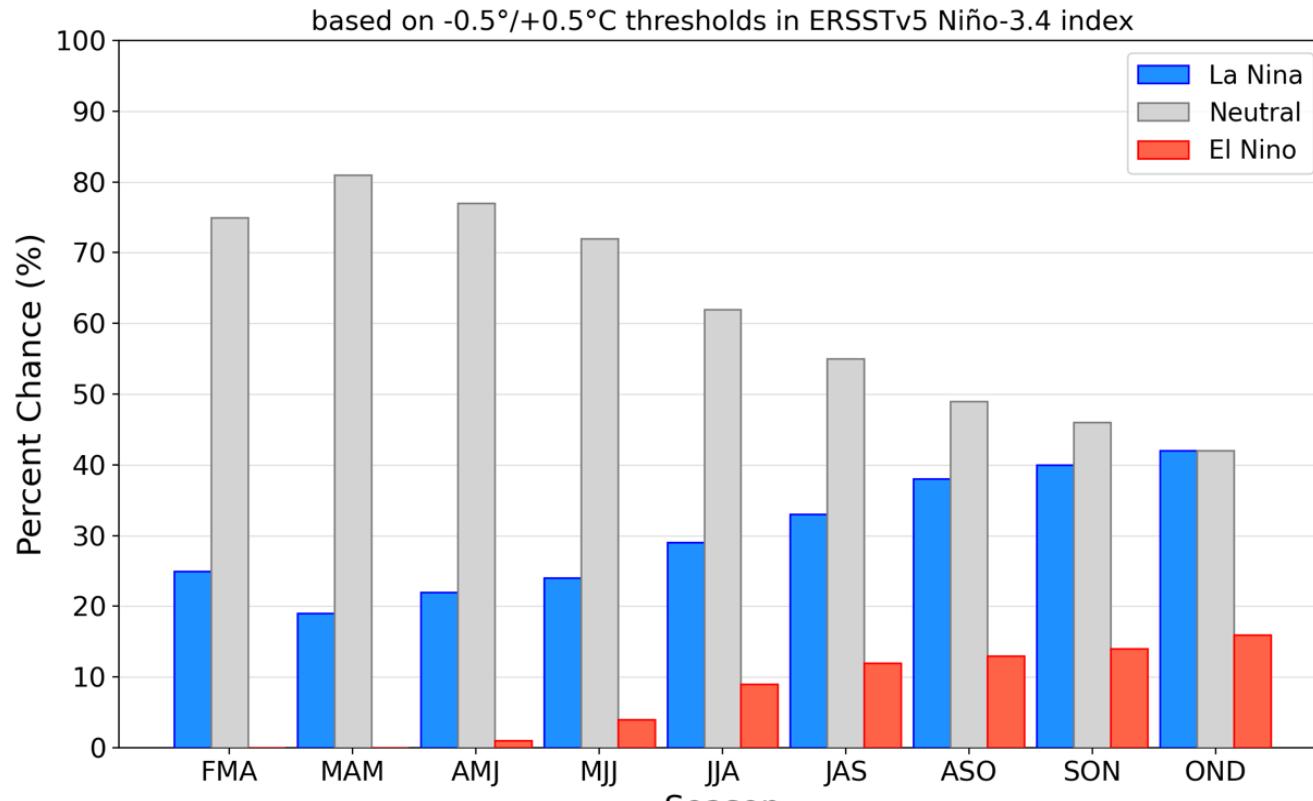
Previsão do “ENSO”



Atualizado em 24 de Março

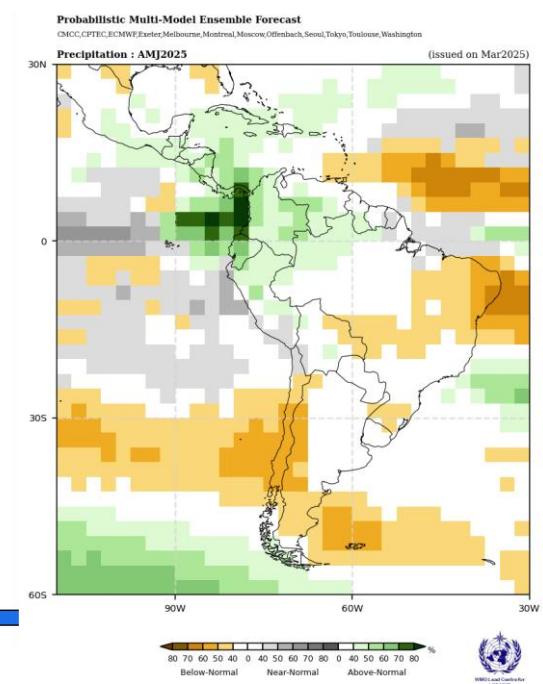
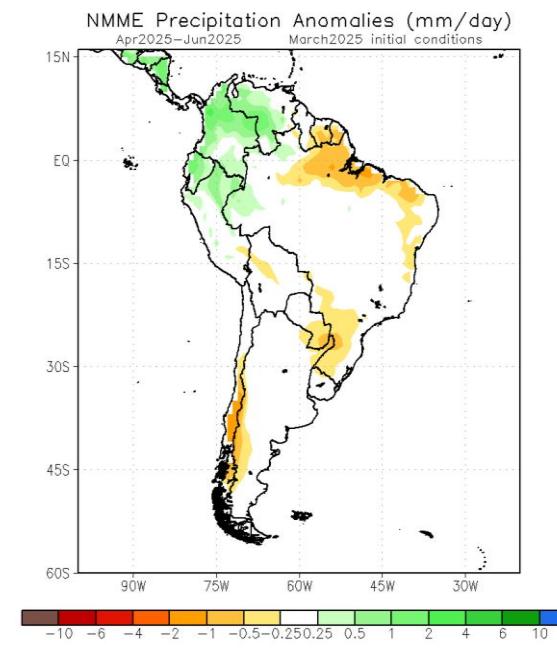
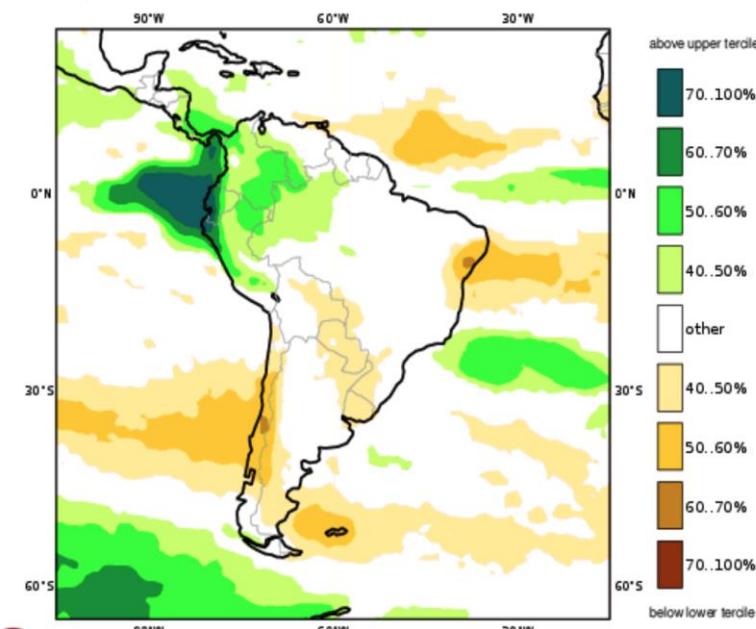
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued March 2025)

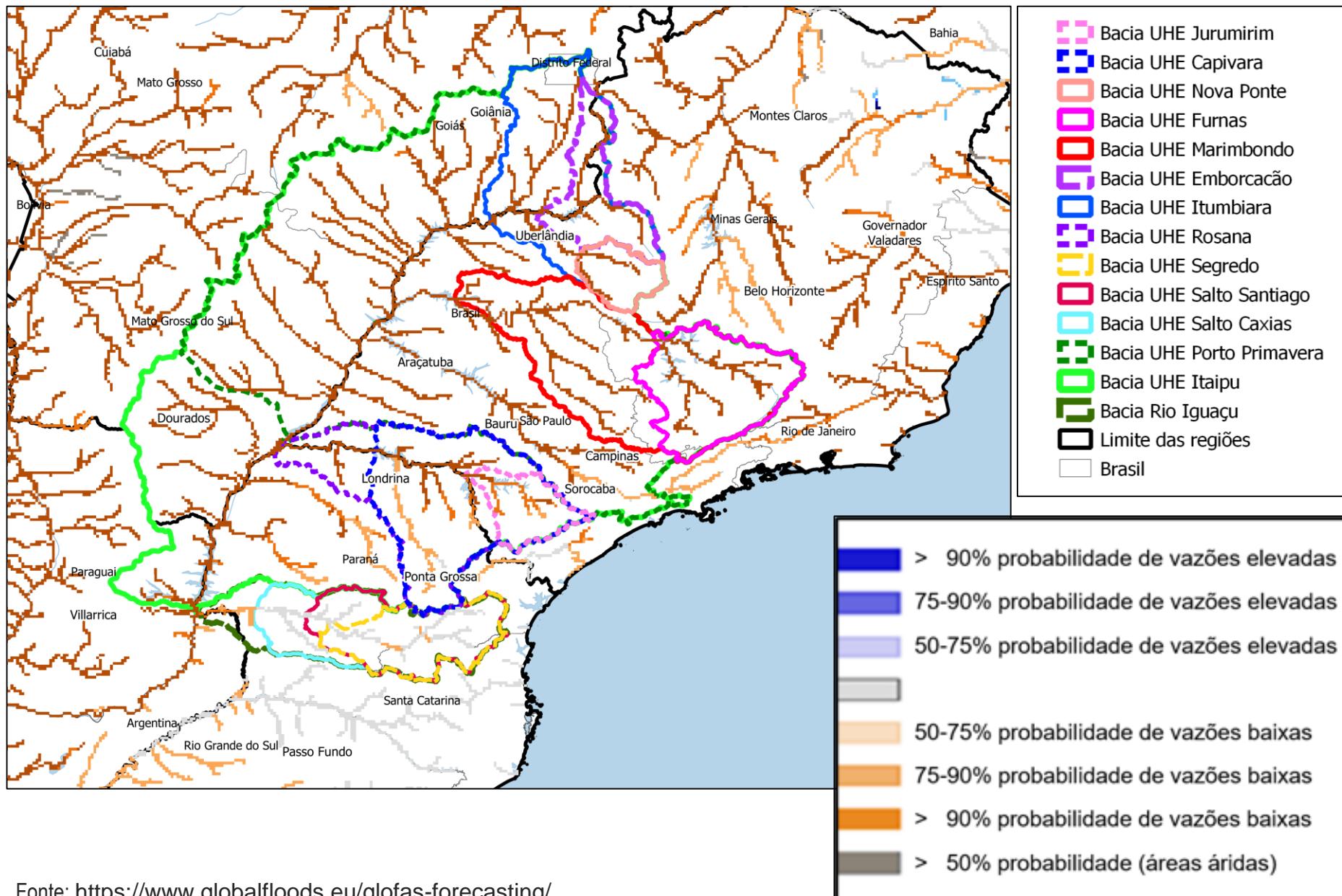


Previsão Sazonal de Chuva Multi-Modelo

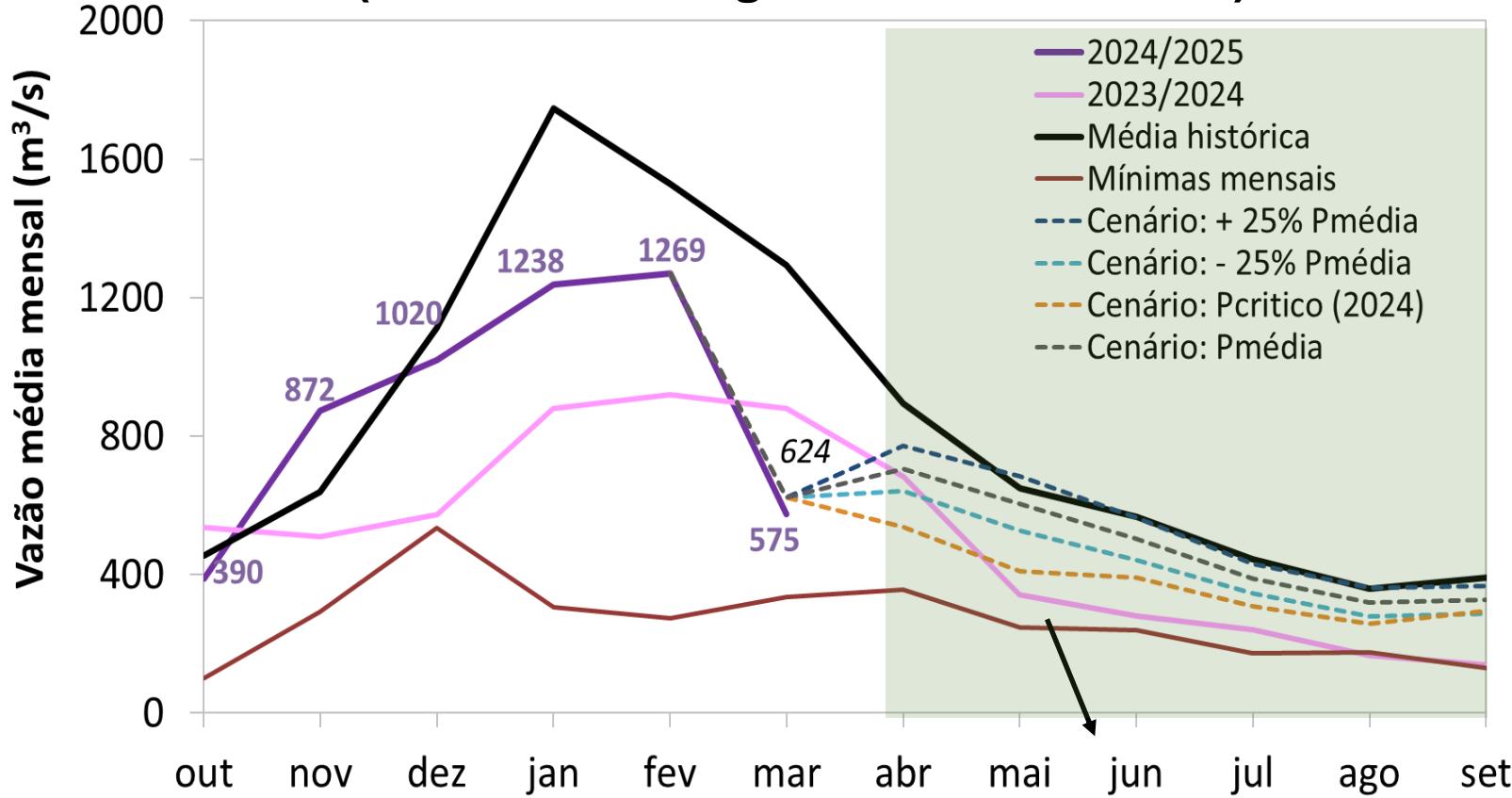
Abril-Maio-Junho



Previsão Sazonal de Vazão (Março, Abril e Maio-MAM) do Sistema global de previsão de vazão (Global Flood Awareness System-GloFAS) para a Bacia do Rio Paraná



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



Abril-Setembro (Meses Secos)
MLT: 551 m^3/s

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