



Cemaden

Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

**Centro Nacional de Monitoramento e
Alertas de Desastres Naturais**

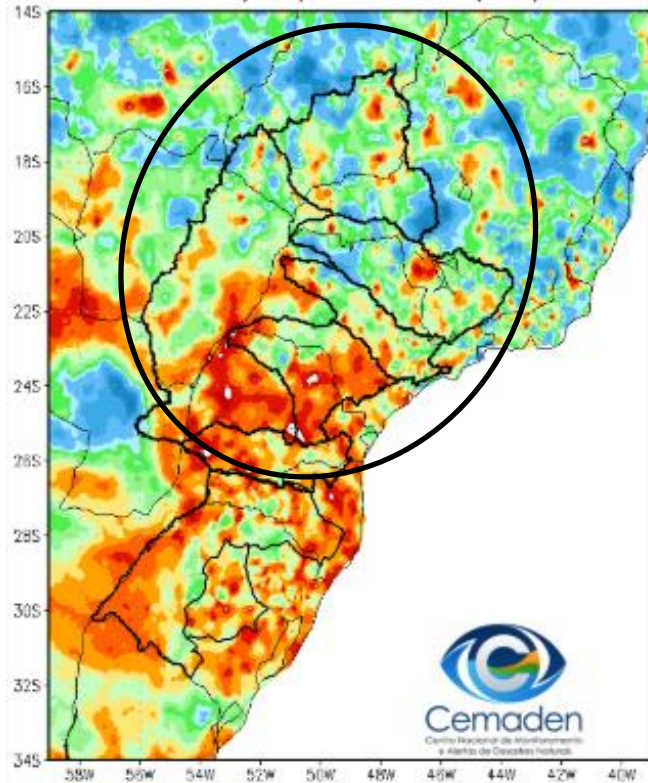
Monitoramento e Previsões para a Bacia do rio Paraná

Março de 2026

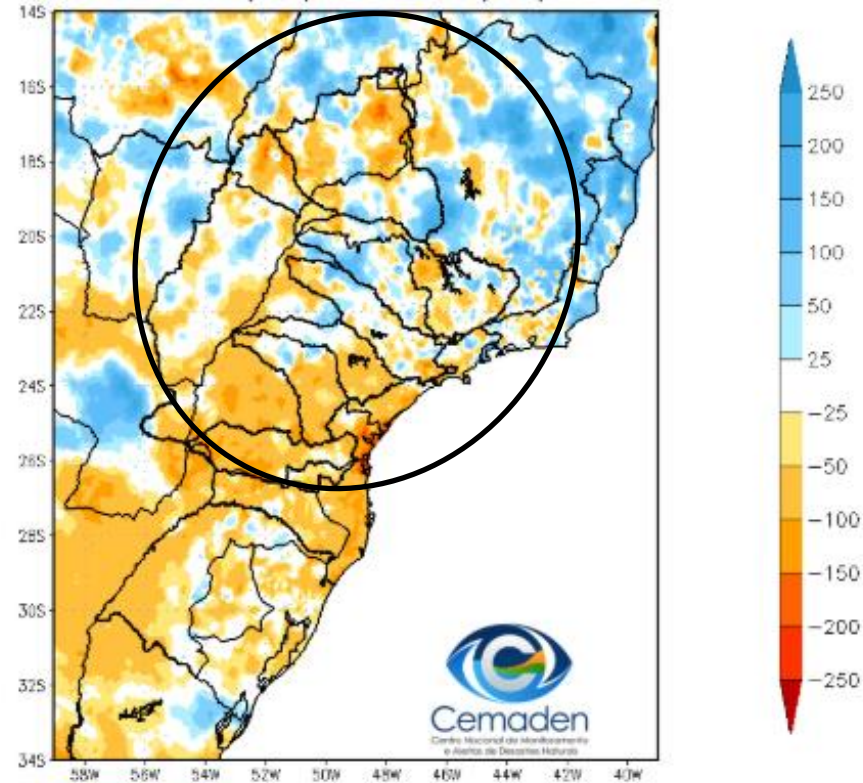


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 23/02/2026 a 25/03/2026

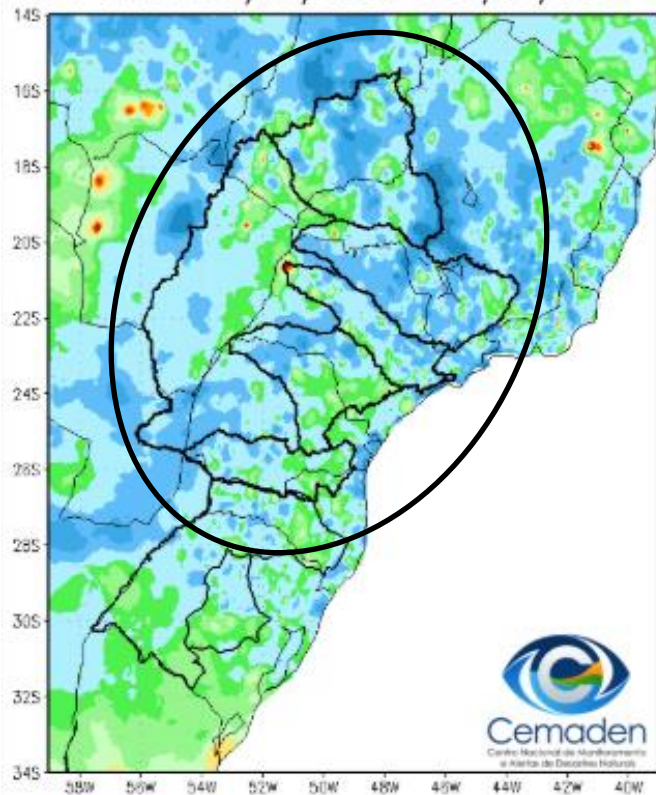


Anomalia de Precipitação (mm) A.S.
Período: 23/02/2026 a 25/03/2026

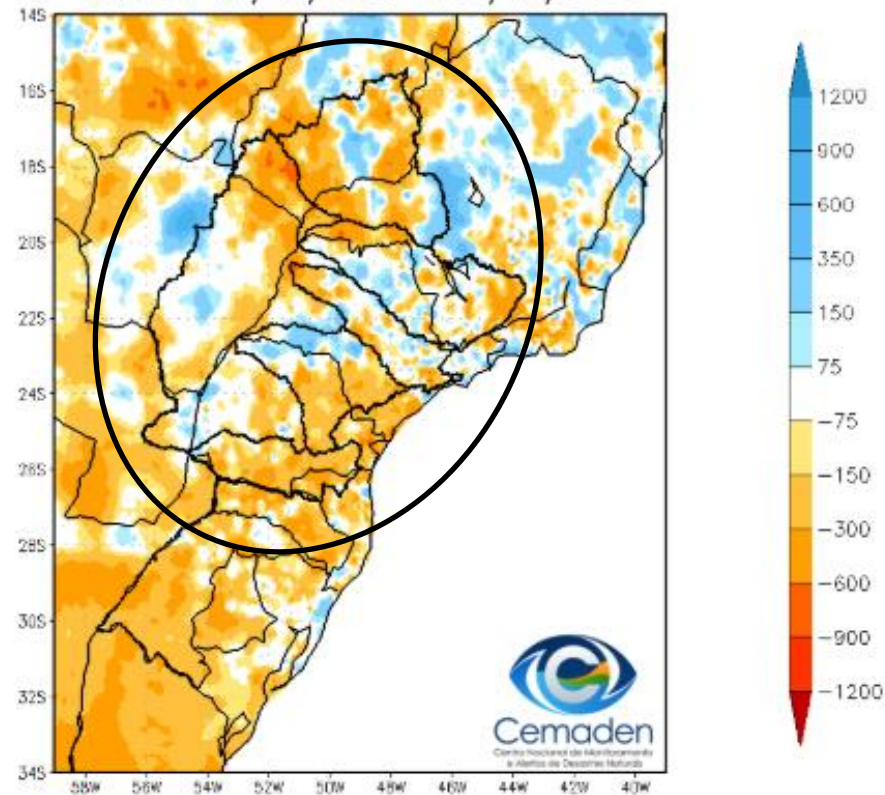


Precipitação acumulada no ano hidrológico

Precipitação Acumulada (mm) A.S.
Período: 01/10/2025 a 25/03/2026



Anomalia de Precipitação (mm) A.S.
Período: 01/10/2025 a 25/03/2026

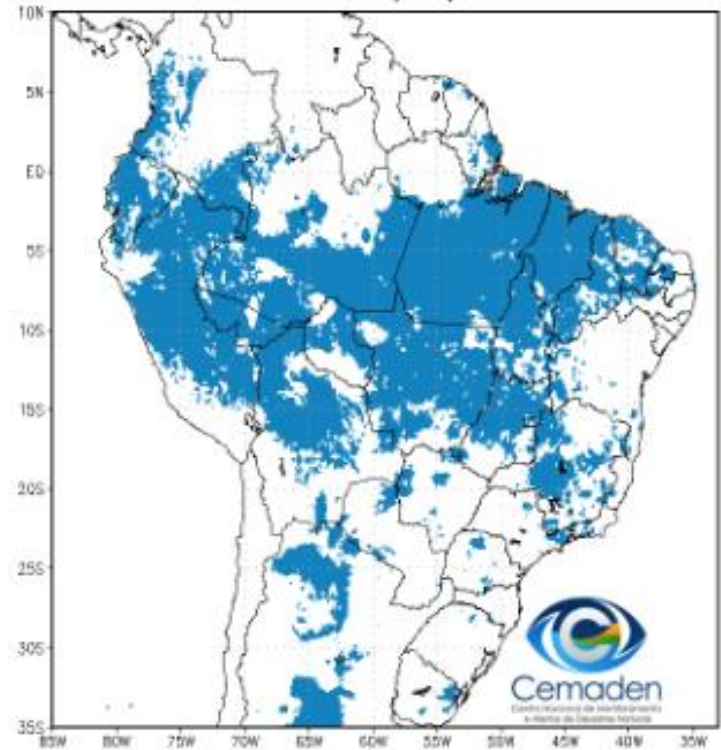


Situação da Estação Chuvosa

Climatologia da Precipitação (2001–2025)
Inferior 2 mm/dia por 4 de 5 dias Período: 25/03



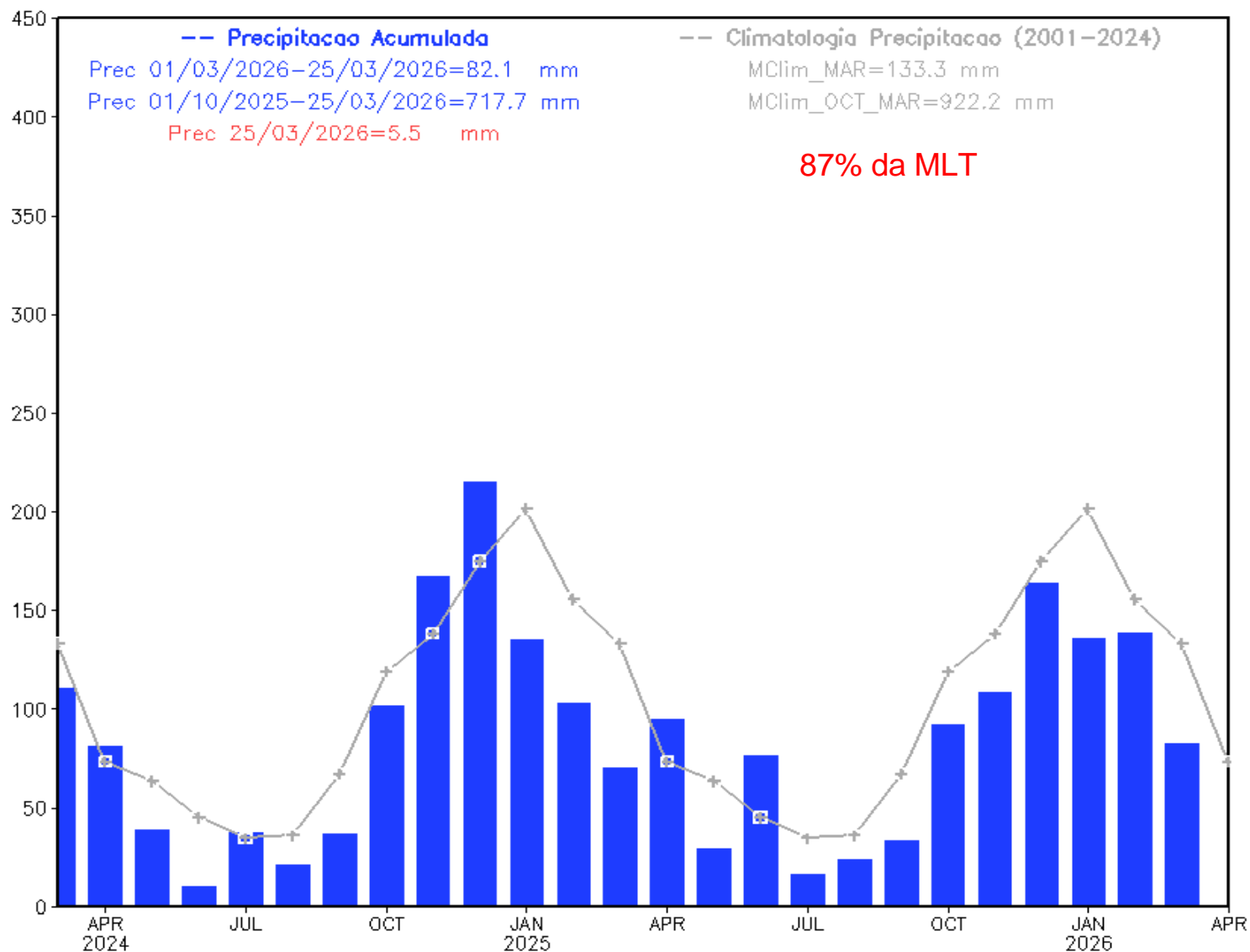
Precipitação Inferior 2 mm/dia por 4 de 5 dias
Período: 25/03/2026



Fonte dos dados: Merge/INPE

Precipitação acumulada nos últimos 24 meses

Precipitacao Bacia do Rio Parana desde MAR 2024



Monitoramento UHE Furnas

Precipitação

Estação Chuvosa - Out a Mar – 1184 mm

2024/2025: 1148 mm (**97% da MLT**)

2025/2026*: 1003 mm (**85% da MLT**)

Estação Seca - Abr a Set – 248 mm

2024: 102 mm (**41% da MLT**)

2025: 193 mm (**78% da MLT**)

Fev/2026: 185 mm (**130% da MLT**)

Mar/2026*: 224 mm (**87% da MLT**)

*Até 24/03/2026

Vazão

Estação Chuvosa - Out a Mar – 1120 m³/s

2024/2025: 897 m³/s (**80% da MLT**)

2025/2026**: 789 m³/s (**70% da MLT**)

Estação Seca - Abr a Set – 546 m³/s

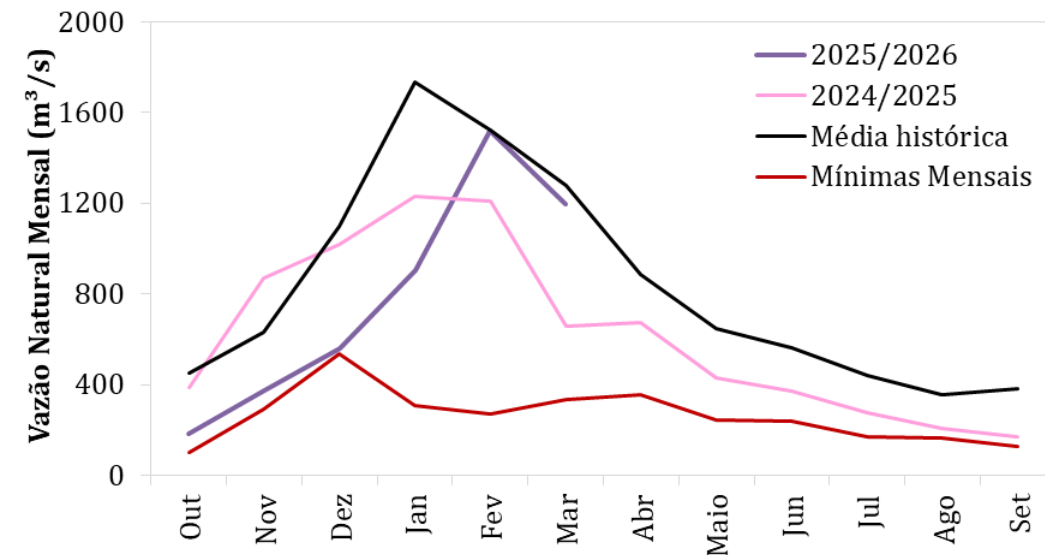
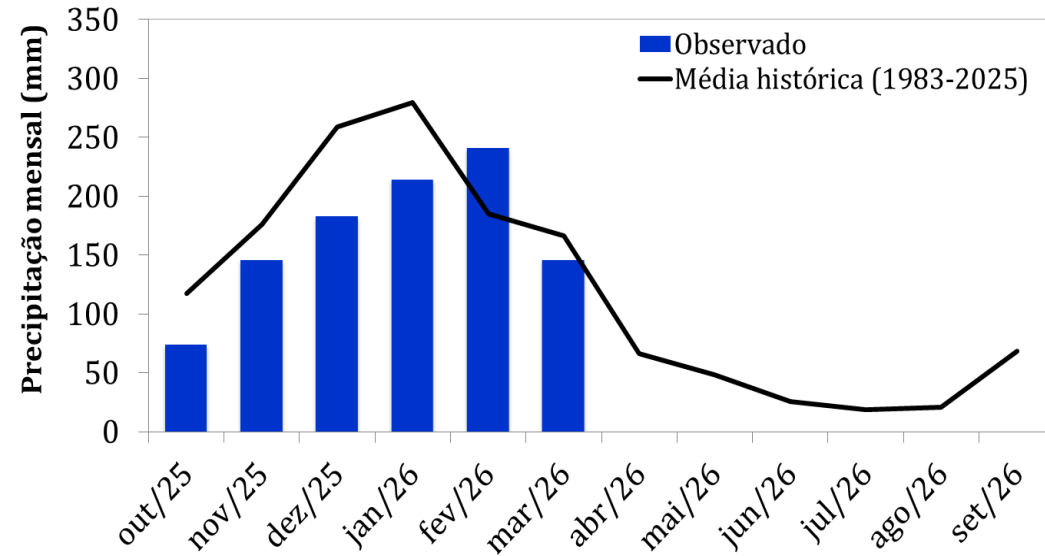
2024: 309 m³/s (**56% da MLT**)

2025: 356 m³/s (**65% da MLT**)

Mar/26:** 1194 m³/s (**93% da MLT**)

24/Fev/26: 1445 m³/s (**113% da MLT**)

**Até 24/03/2026



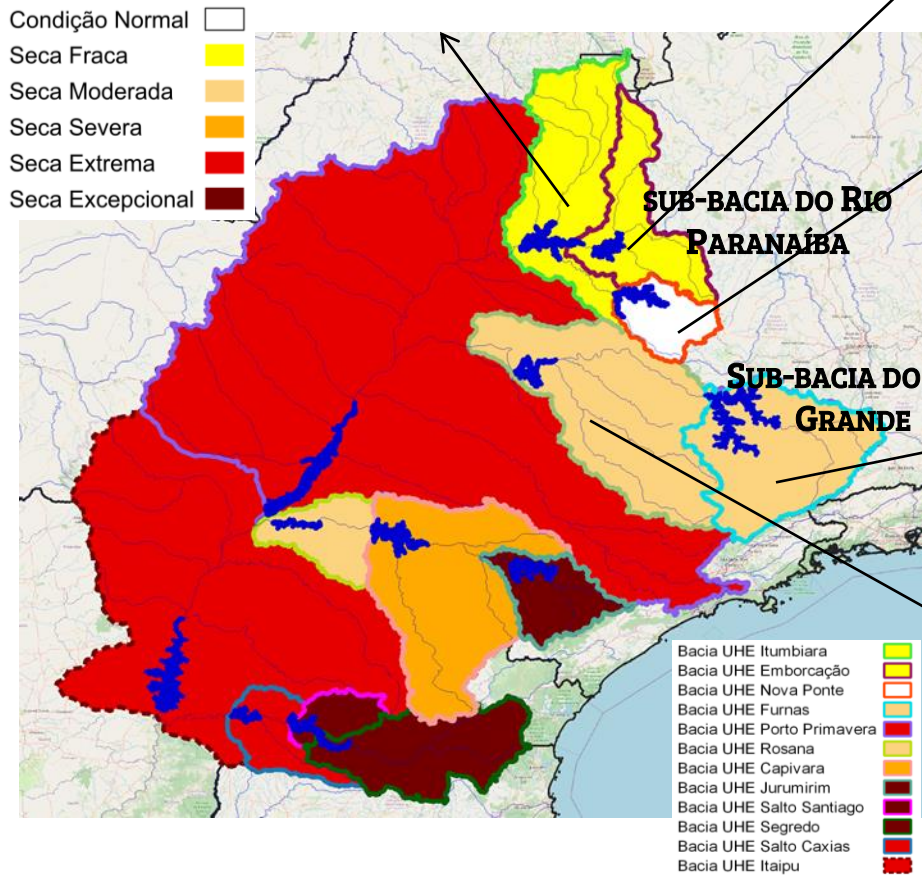
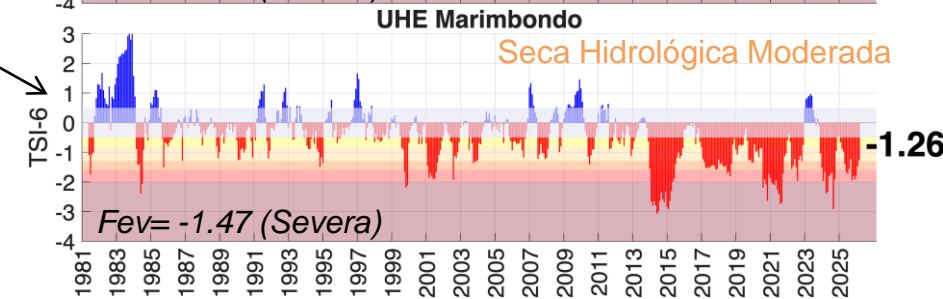
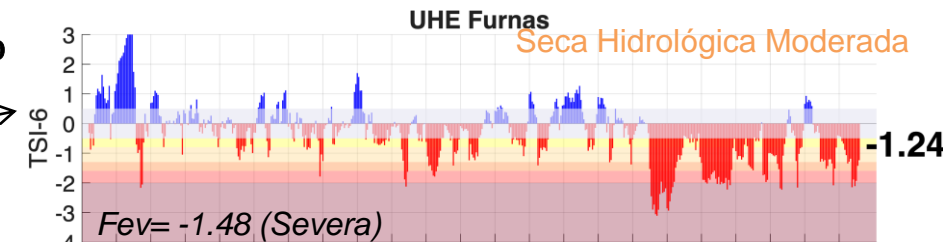
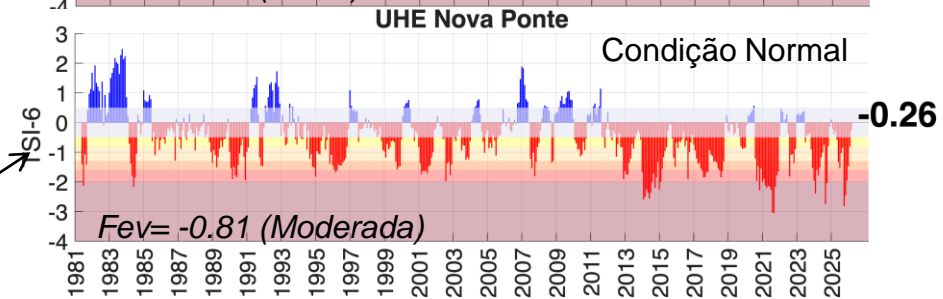
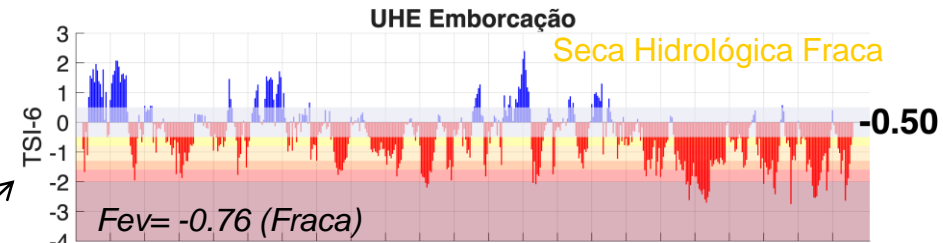
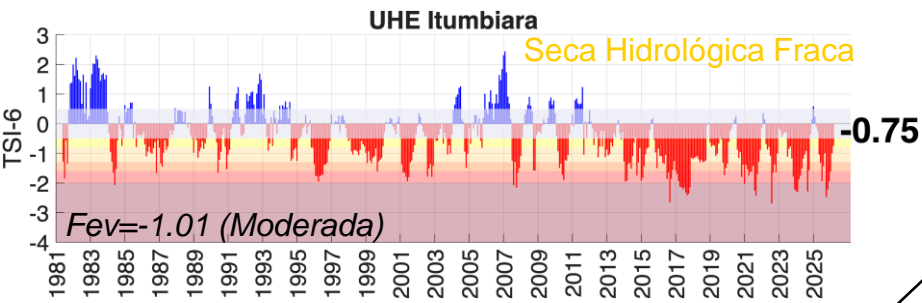
Média de Longo Termo – MLT = 1983-

Dados de precipitação: INMET, ANA, CEMADEN
 Dados de vazão: ONS e ANA

BACIA DO RIO PARANÁ

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

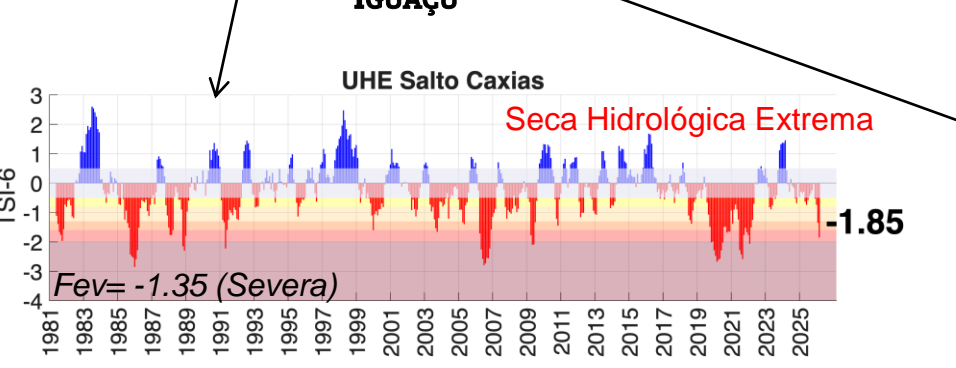
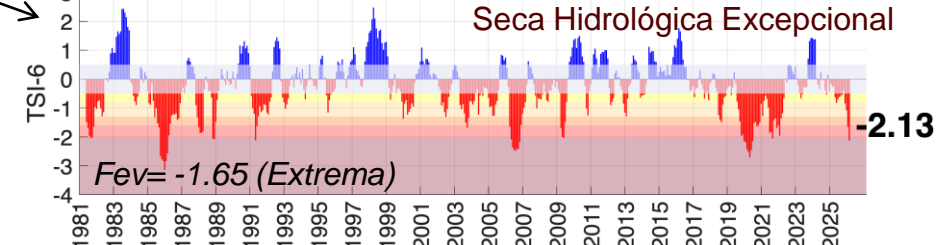
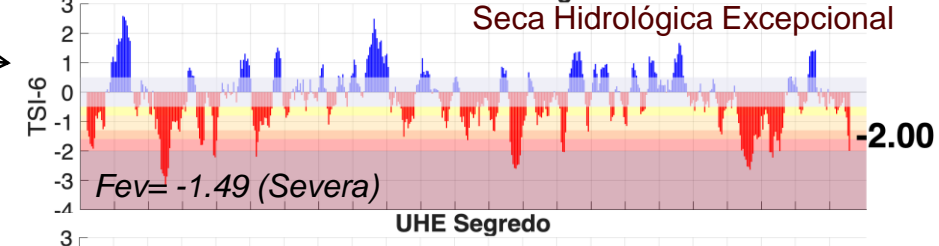
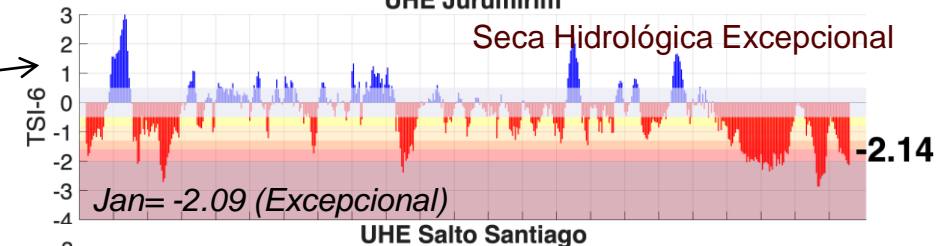
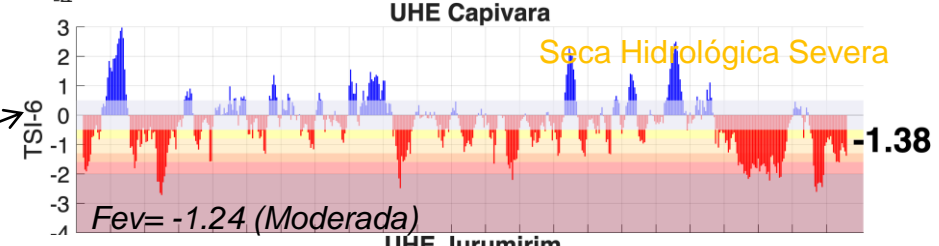
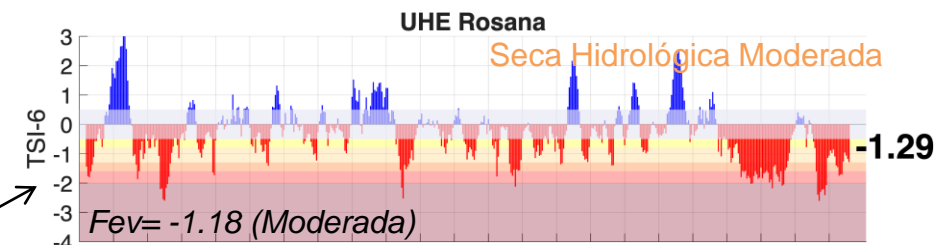
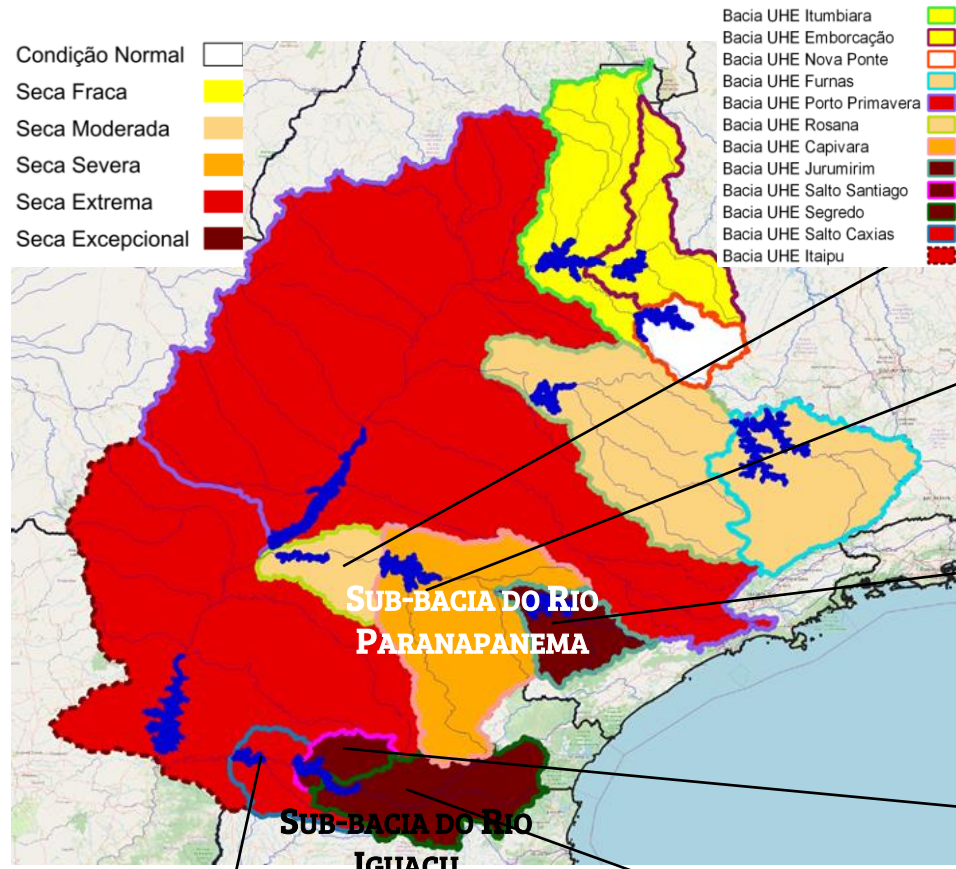
Mar/26- Parcial



BACIA DO RIO PARANÁ

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

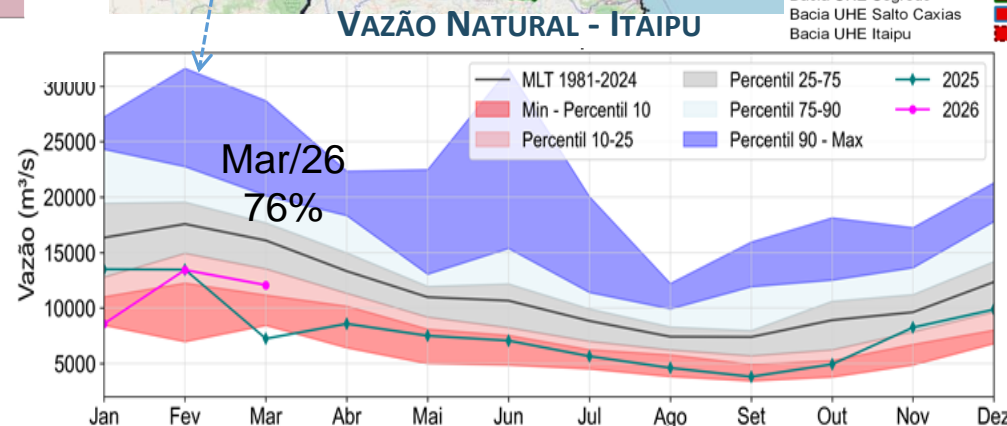
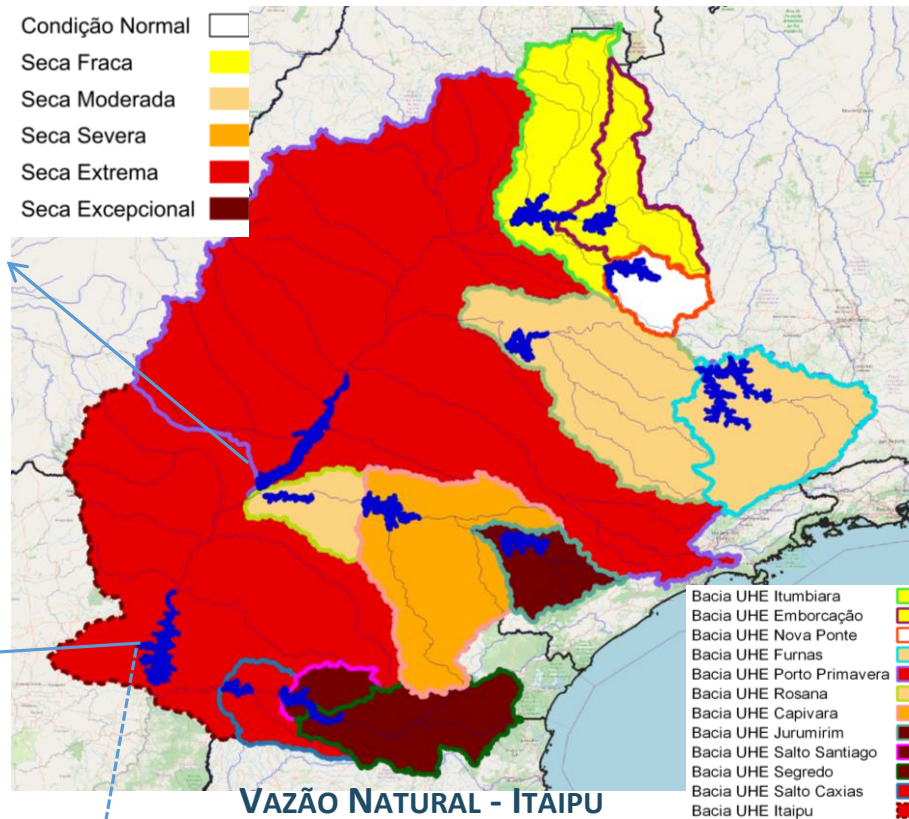
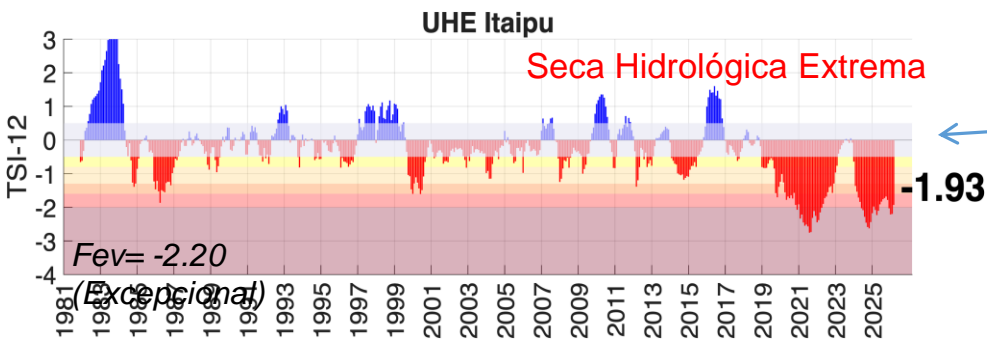
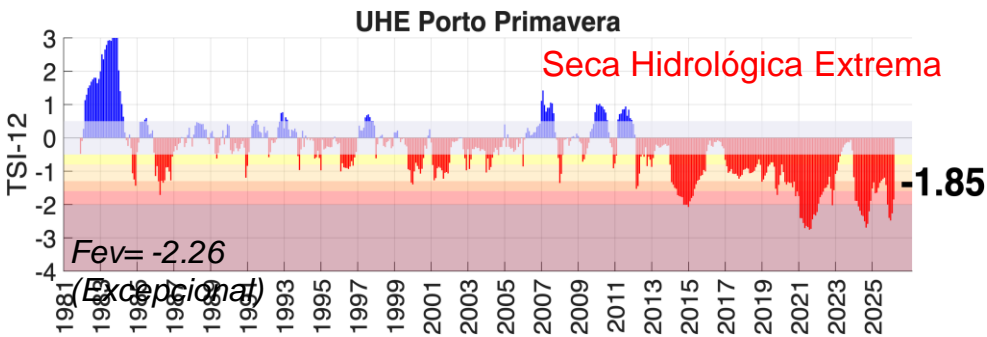
Mar/26 - Parcial



BACIA DO RIO PARANÁ

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

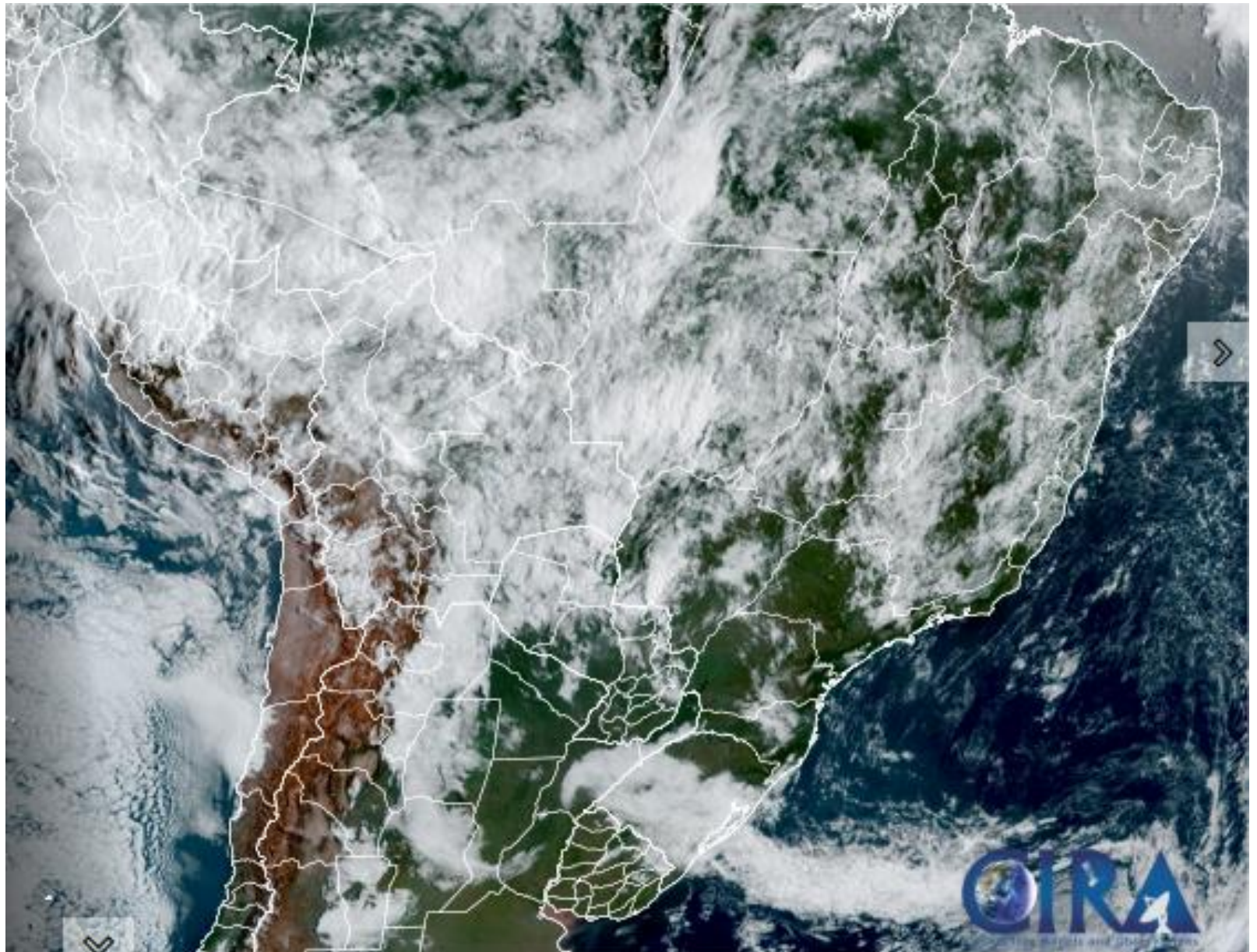
Mar/26- Parcial



Fonte: CEMADEN/MCTI

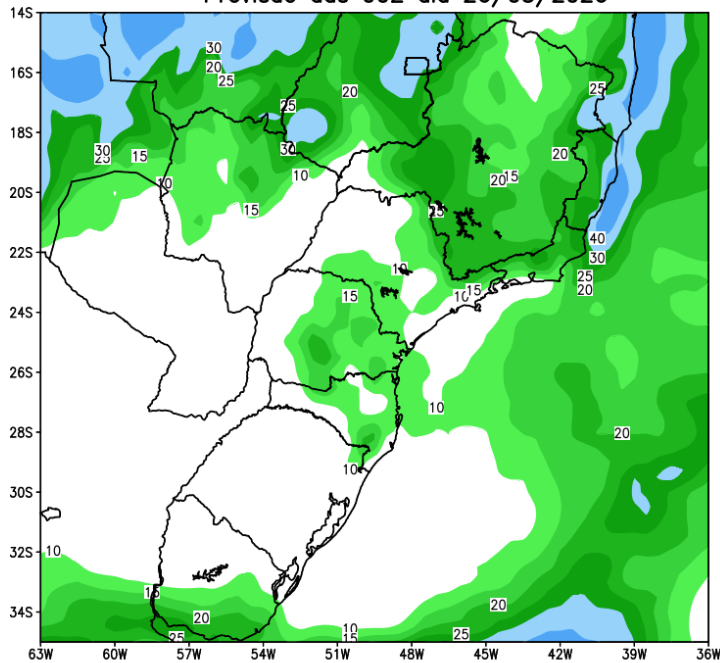
Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA) Período: Jan/1981 – Mar/2026

Situação meteorológica atual

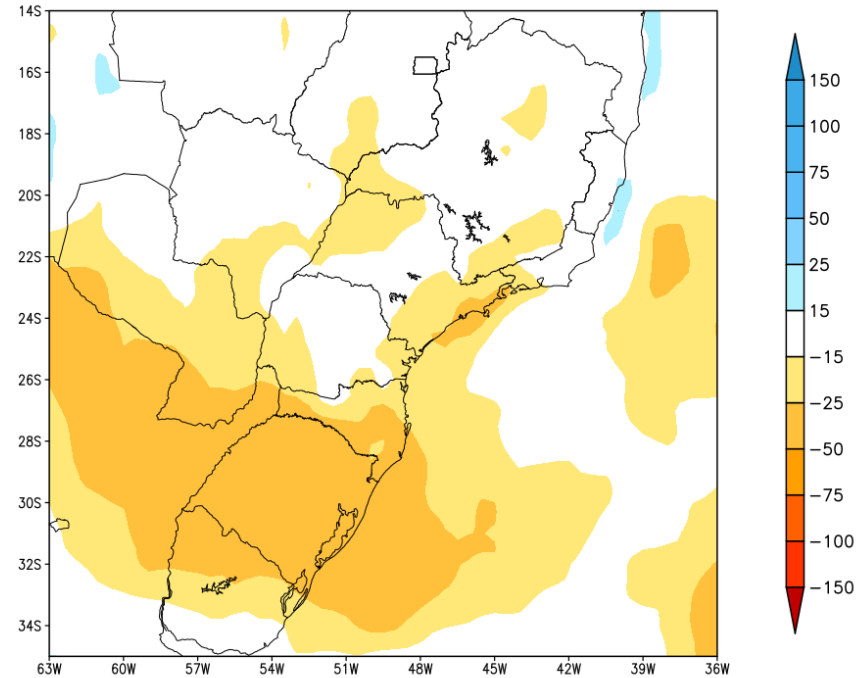


Previsão de chuva para os próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 26/03/2026



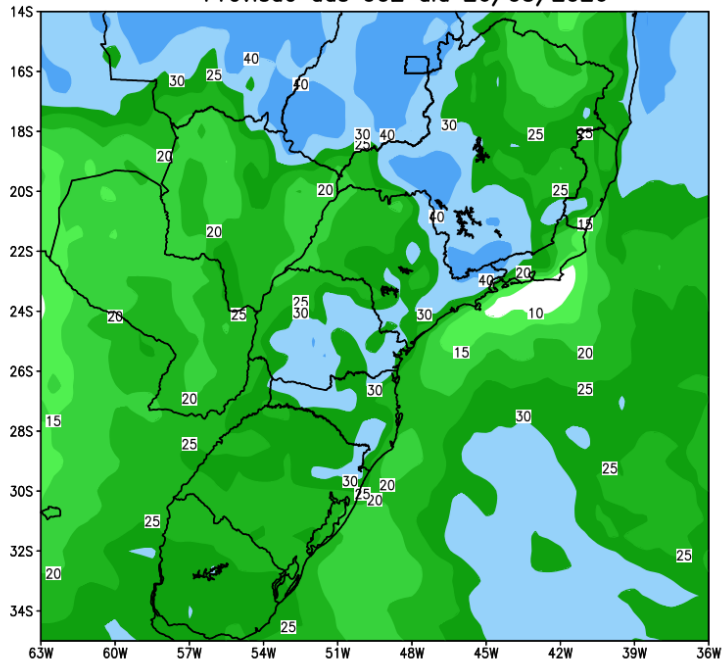
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2026032600 a 2026040200



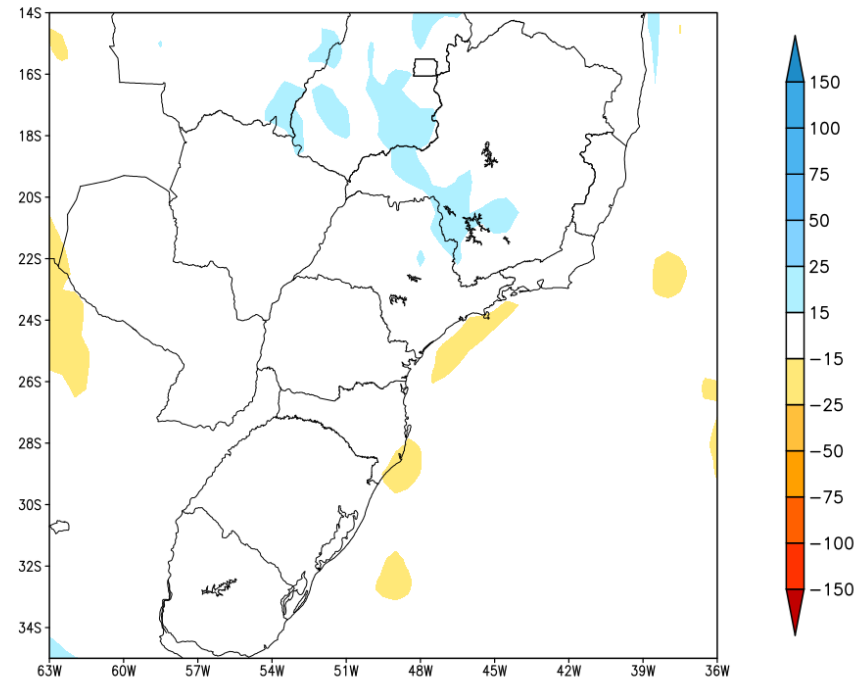
Fonte: GEFS/NOAA

Tendência para a 2ª Semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 26/03/2026

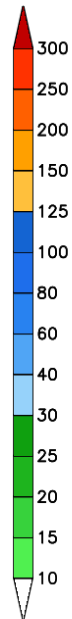
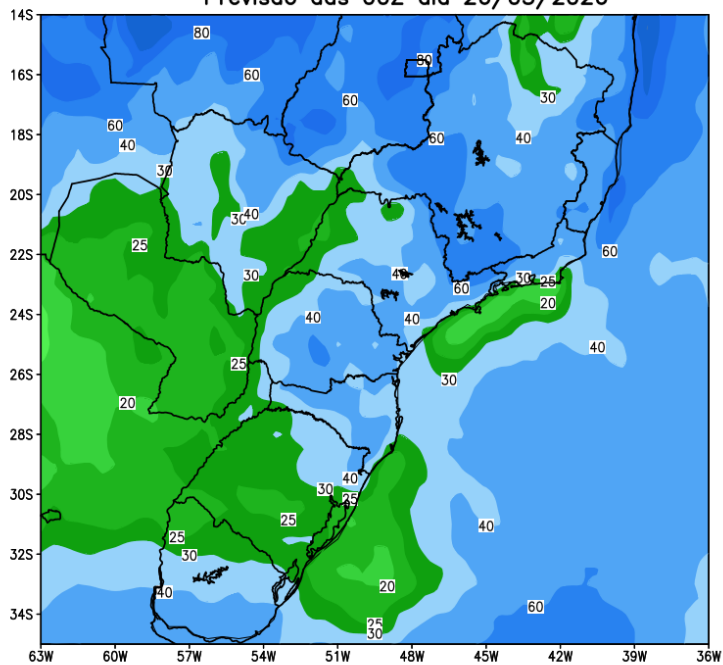


Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2026040300 a 2026040900

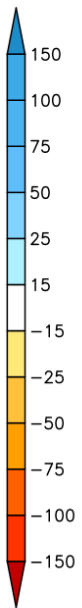
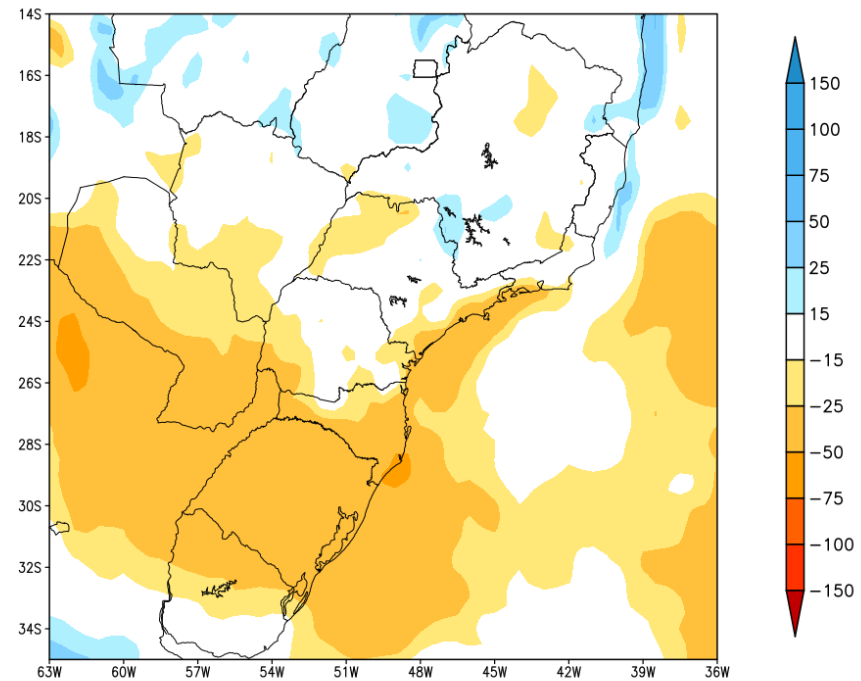


Acumulado para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 26/03/2026

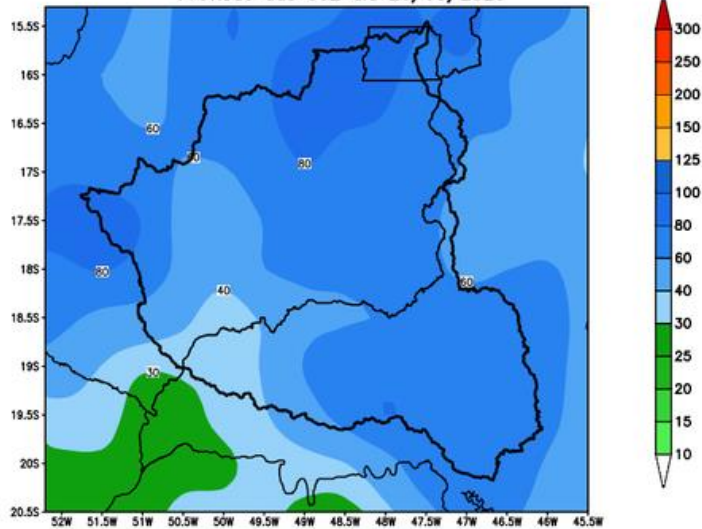


Anomalia de Precipitacao BR SUL (mm)
Periodo: 2026032600 a 2026040900

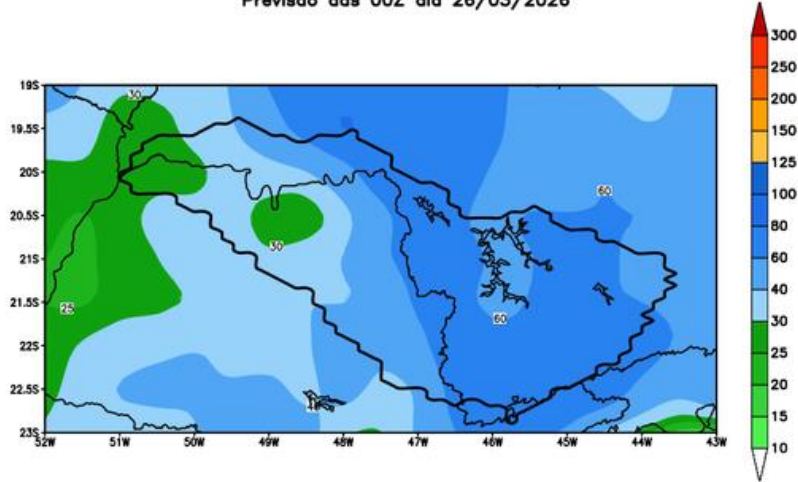


Bacia do rios Paranaíba e Grande

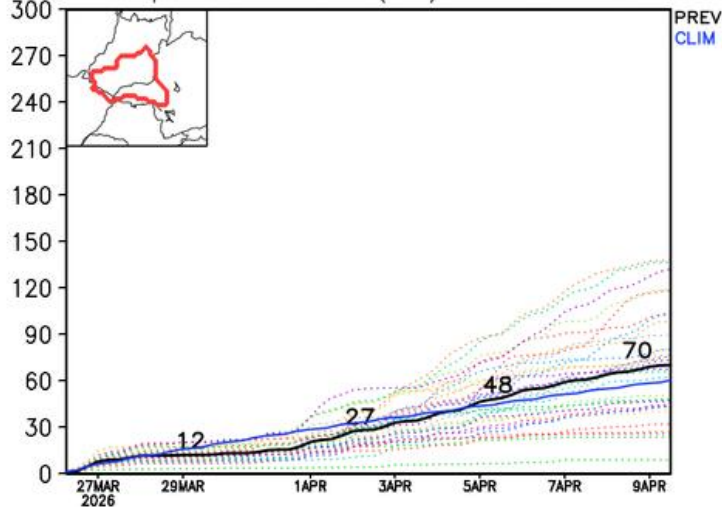
GEFS / Bacia do Rio Paranaíba
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



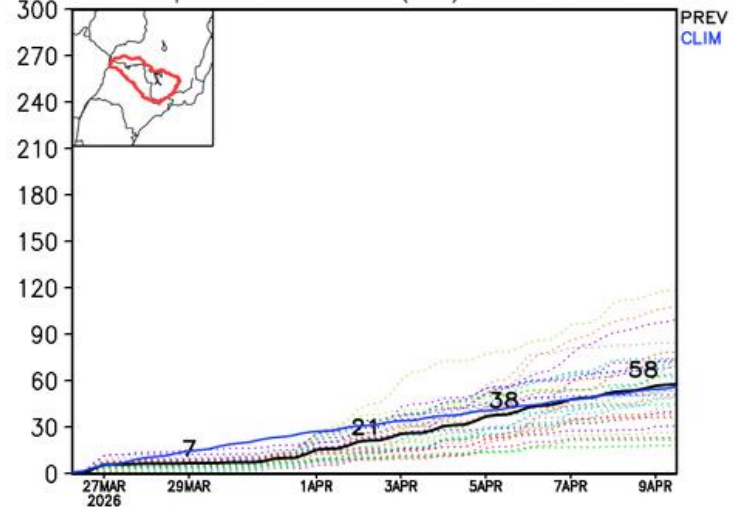
GEFS / Bacia do Rio Grande
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



Precipitacao acumulada (mm): Bacia Paranaiba

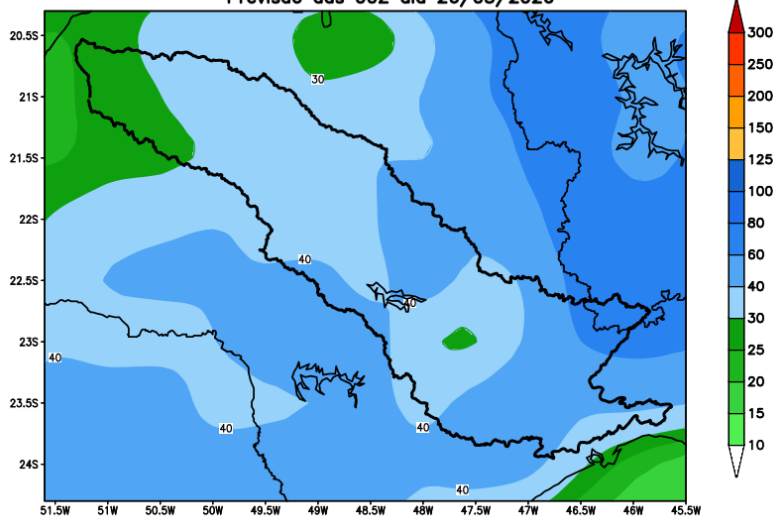


Precipitacao acumulada (mm): Bacia Grande

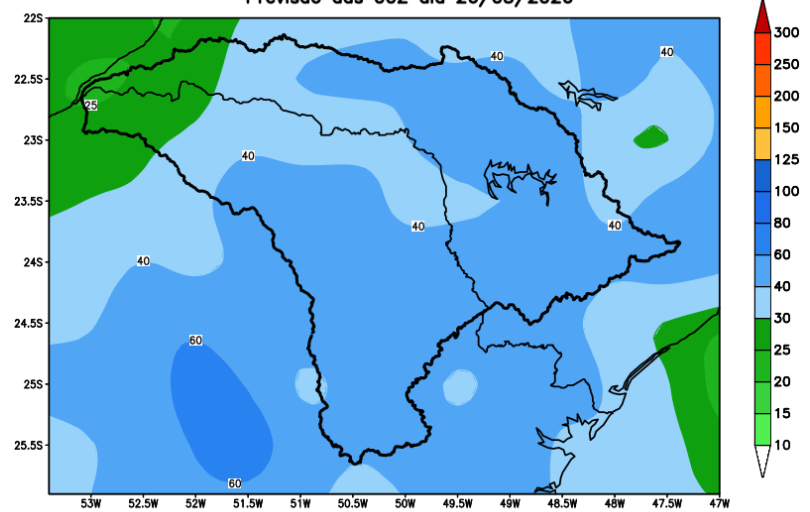


Bacia do rios Tietê e Paranapanema

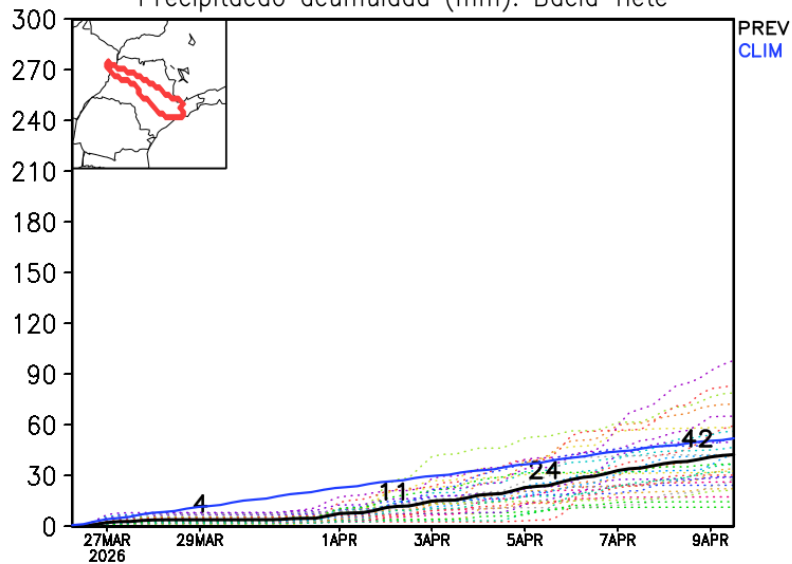
GEFS / Bacia do Rio Tietê
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



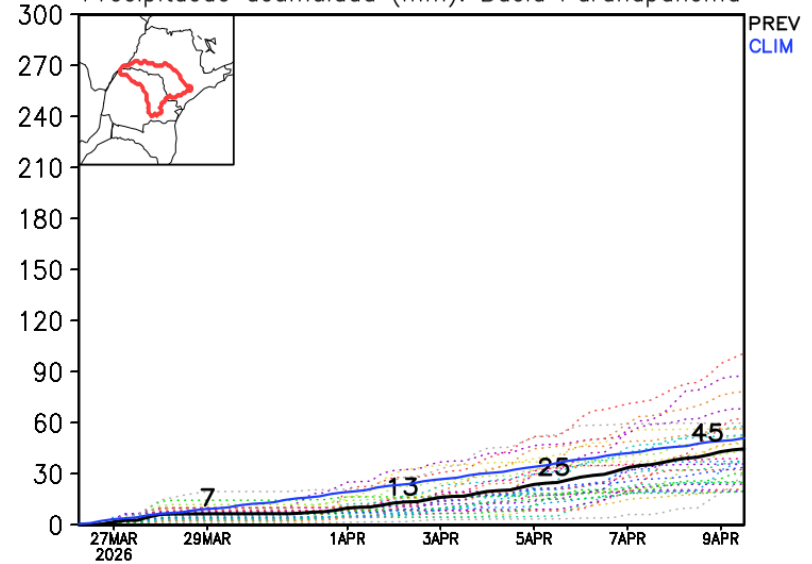
GEFS / Bacia do Rio Paranapanema
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



Precipitacao acumulada (mm): Bacia Tiete

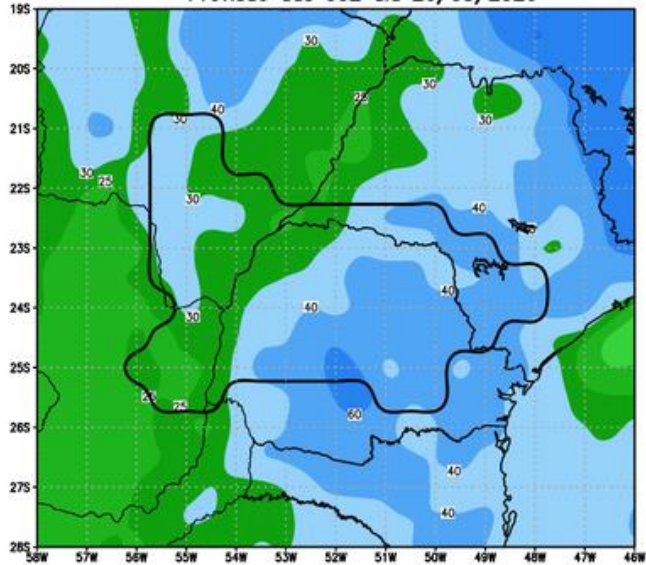


Precipitacao acumulada (mm): Bacia Paranapanema

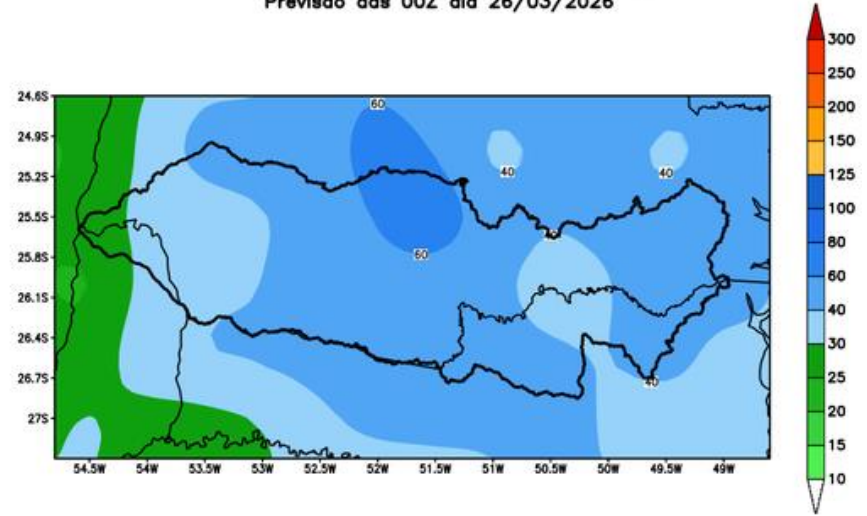


Bacia do Itaipu e Iguçu

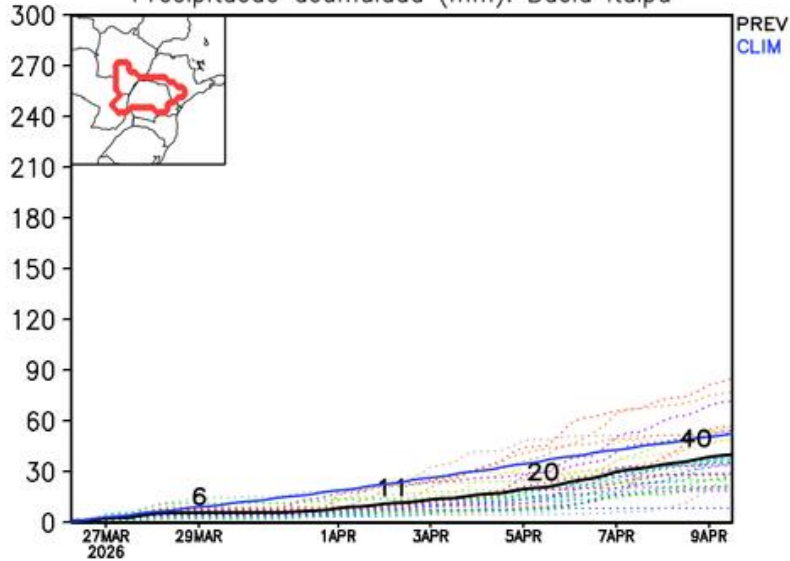
GEFS / Itaipu
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



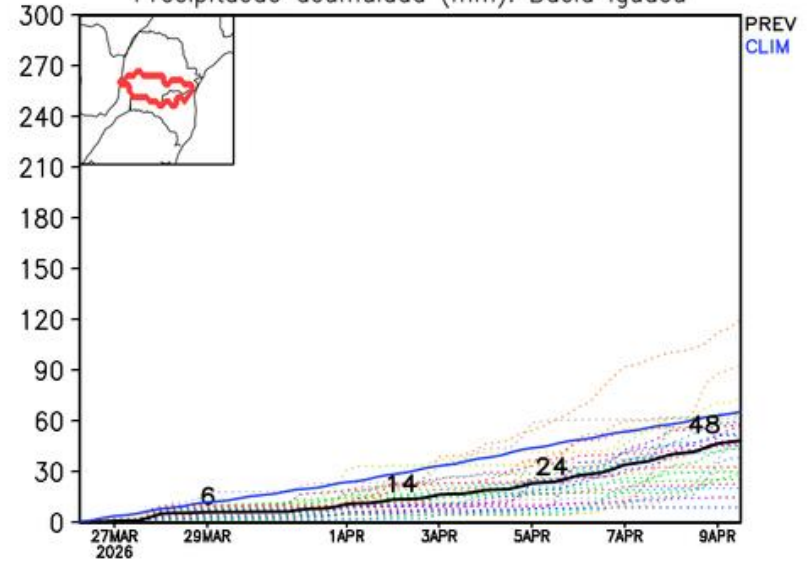
GEFS / Bacia do Rio Iguacu
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



Precipitacao acumulada (mm): Bacia Itaipu

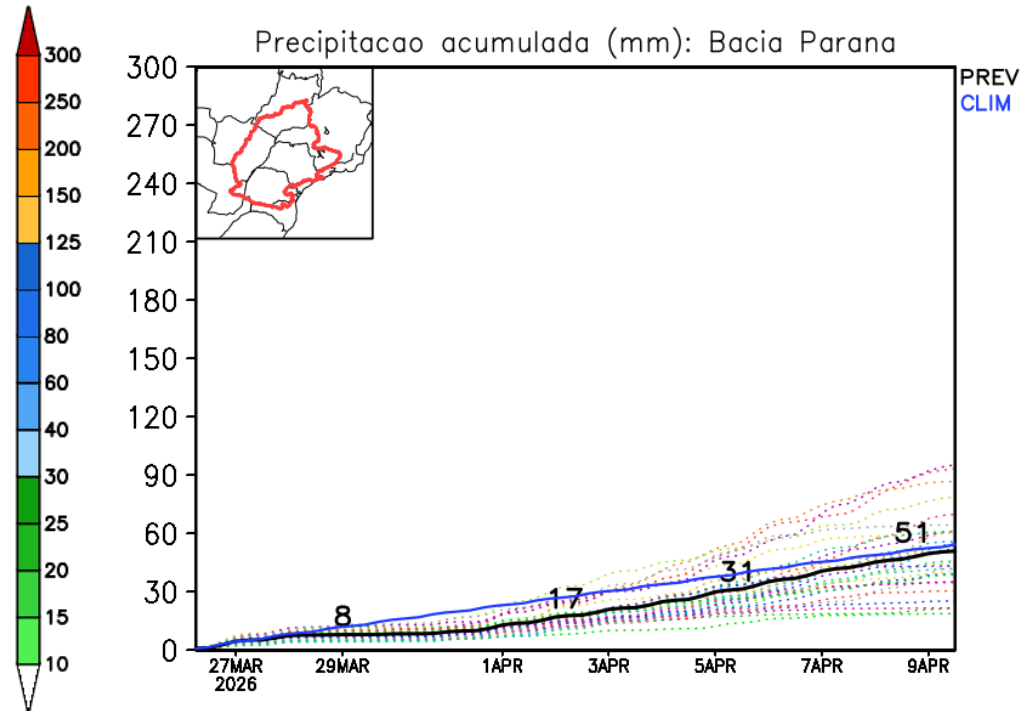
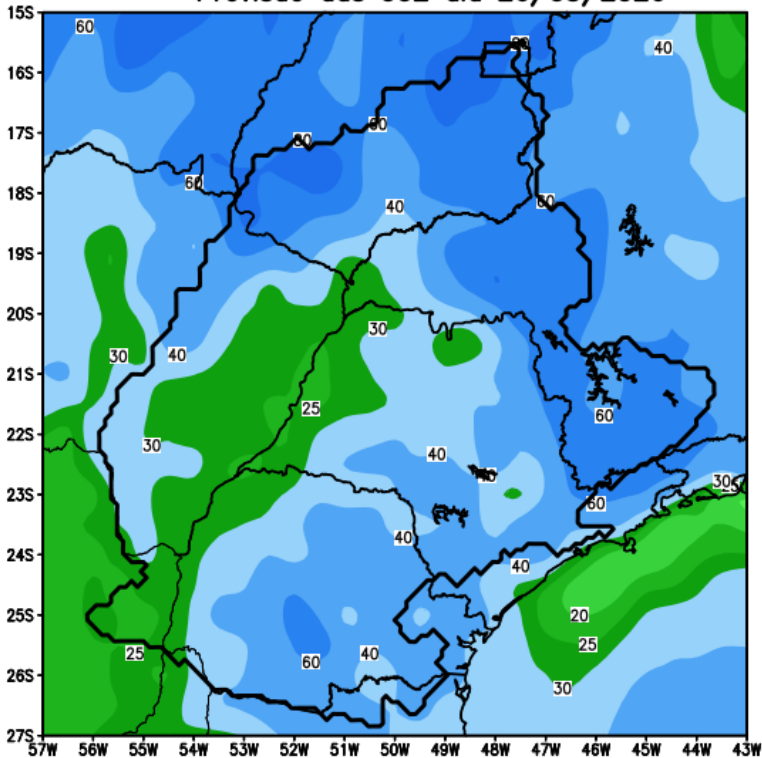


Precipitacao acumulada (mm): Bacia Iguacu



Previsão de chuva para os próximos 14 dias

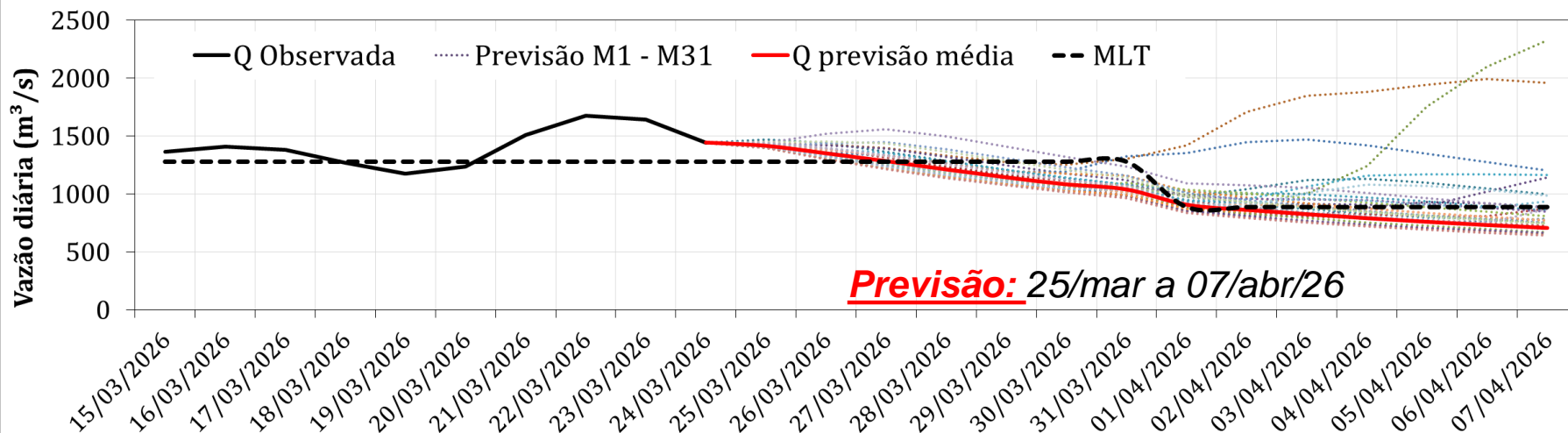
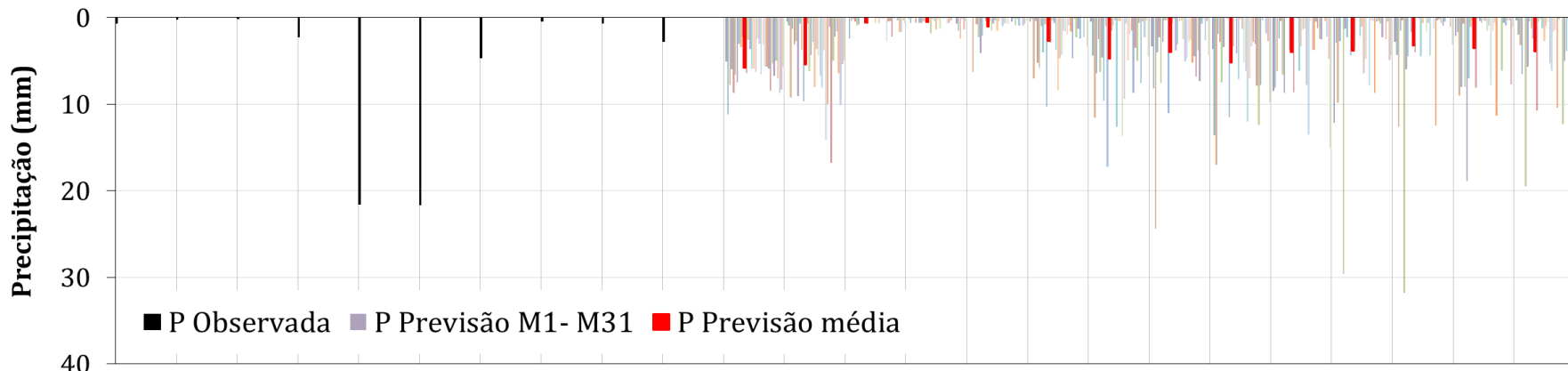
GEFS / Bacia do Parana
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/03/2026



Fonte: GEFS/NOAA

Furnas: Previsão de Vazão para próximos 14 dias (modelo hidrológico PDM-CEMADEN)

Vazão Natural e Precipitação Diárias para Furnas
15/Março a 07/Abril/2025



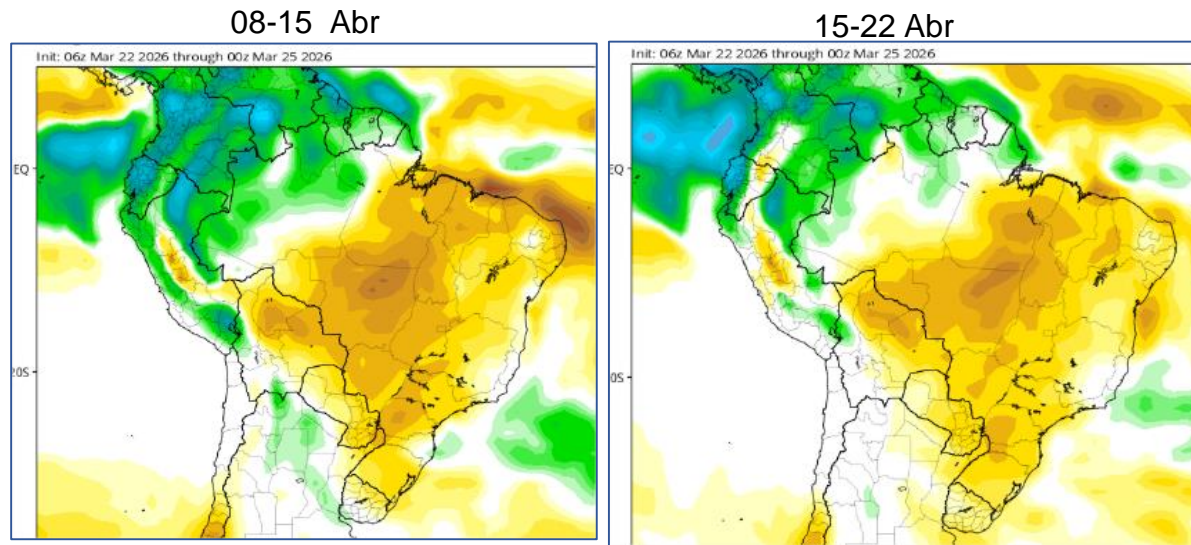
Previsão média para os próximos
14 dias: 1010 m³/s



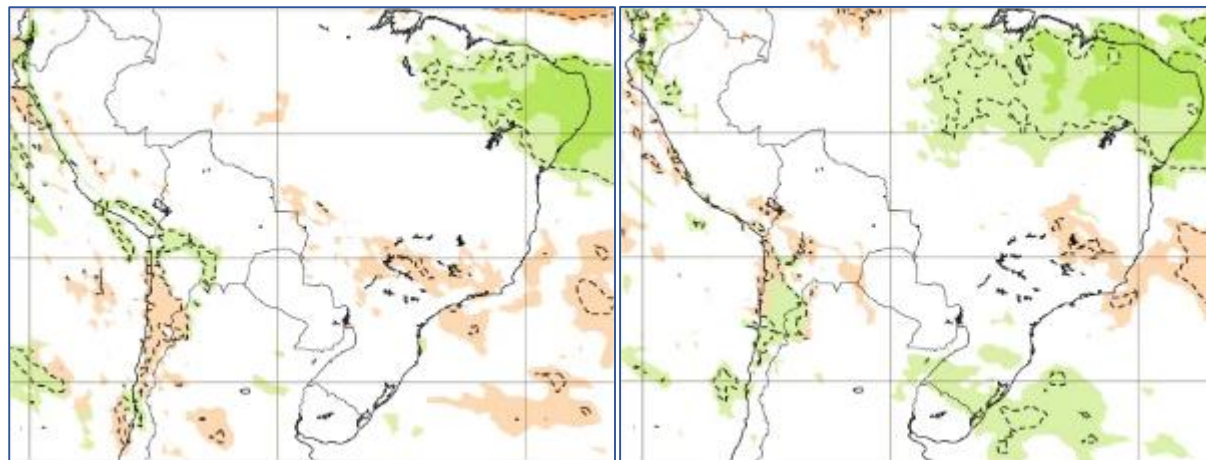
79% MLT Março
114% MLT Abril

Tendência 3a e 4a semanas

CFS/NOAA

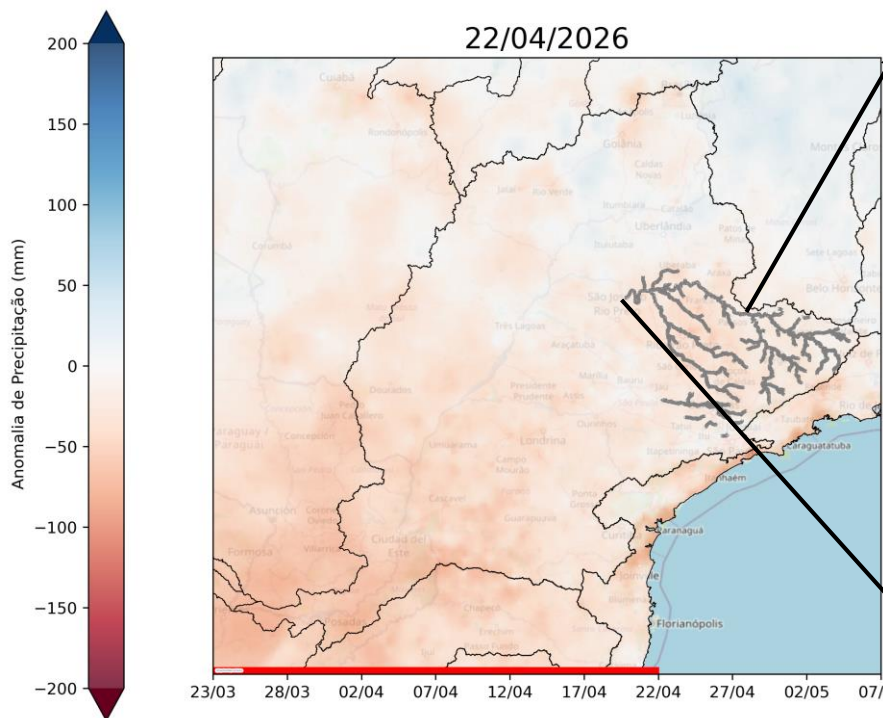


ECMWF

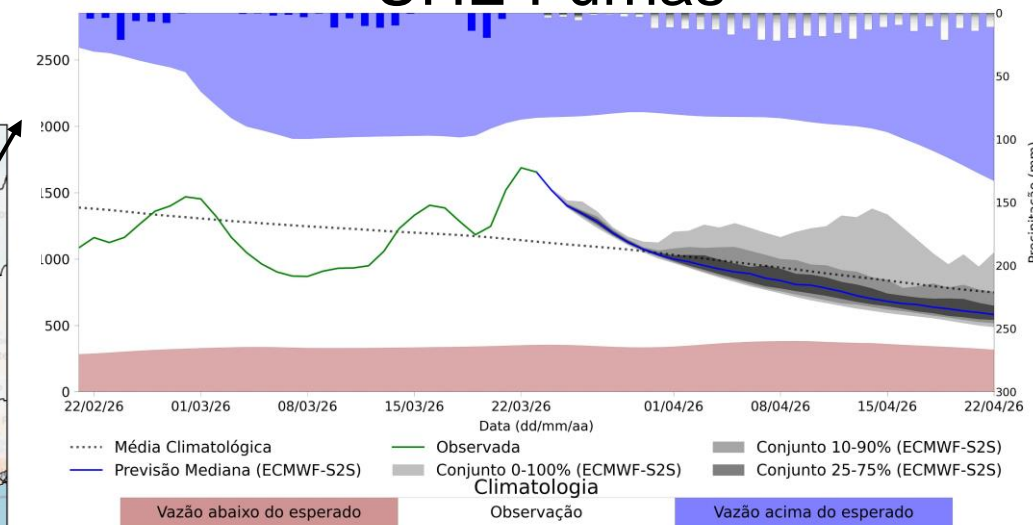


Previsão de vazão natural na Bacia do Rio Grande

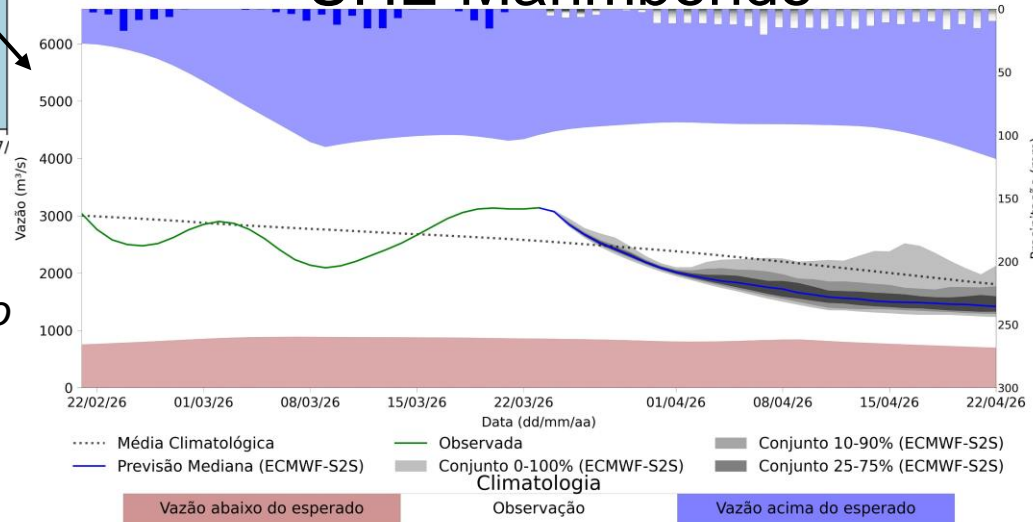
PREVISÃO: 23/03/26 a 22/04/26



UHE Furnas



UHE Marimbondo



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

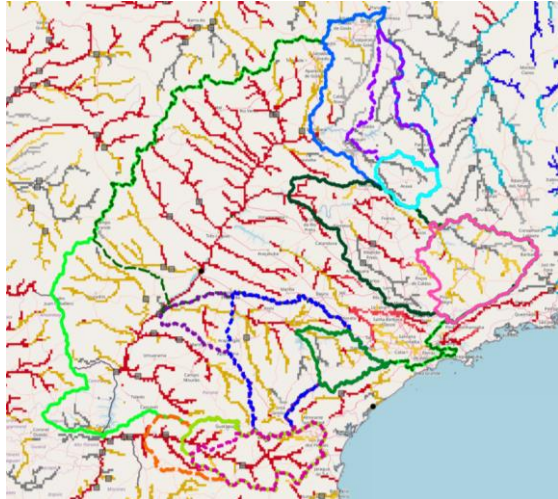
MLT: 1993-2024

Previsão Meteorológica: ECMWF-S2S

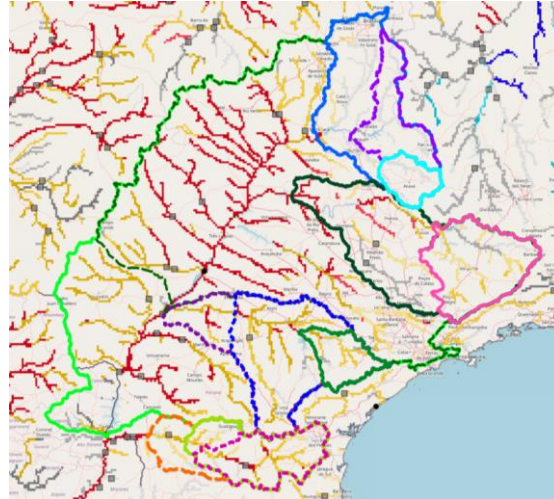
Previsão Sub-sazonal (45 dias) de vazões naturais para a Bacia do Rio Paraná (GloFAS)

Previsão: 31/03/2026 – 04/05/2026

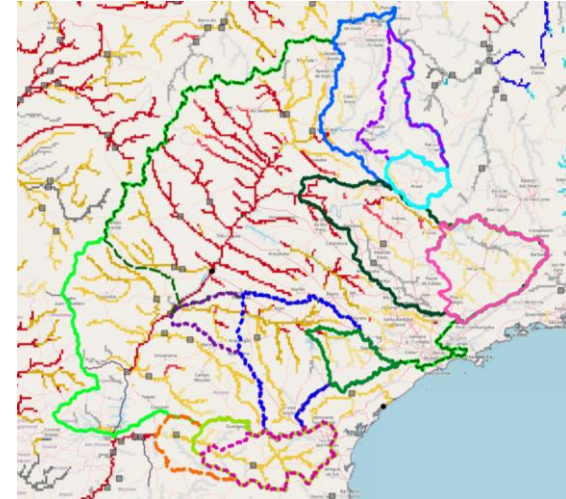
31/03/2026-06/04/2026



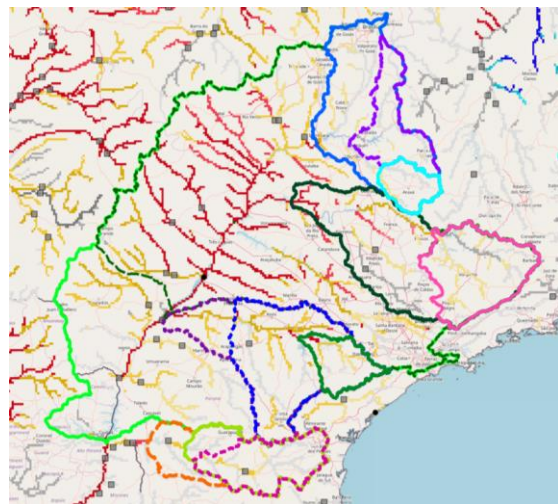
07/04/2026-13/04/2026



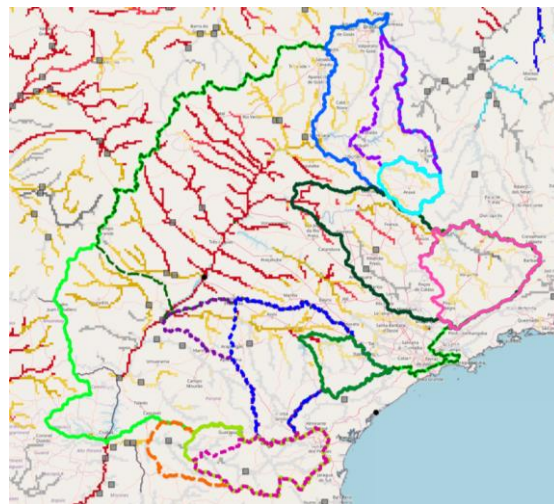
14/03/2026-20/04/2026



21/04/2026-27/04/2026



28/04/2026-04/05/2026



- Bacia UHE Jurumirim
- Bacia UHE Nova Ponte
- Bacia UHE Furnas
- Bacia UHE Segredo
- Bacia UHE Marimbondo
- Bacia UHE Emborcação
- Bacia UHE Salto Santiago
- Bacia UHE Capivara
- Bacia UHE Salto Caxias
- Bacia UHE Rosana
- Bacia UHE Itumbiara
- Bacia UHE Porto Primavera
- Bacia UHE Itaipu

Categoria de anomalia de vazões (percentil)

- Muito abaixo (1-10)
- Abaixo (10-25)
- Média (25-75)
- Acima (75-90)
- Muito acima (90-100)

Categoria de incerteza

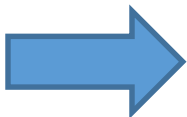
- | Baixa (0-10) | Média (10-20) | Alta (<20) |
|---------------------------------------|---|---------------------------------------|
| ■ | ■ | ■ |
| ■ | ■ | ■ |
| ■ | ■ | ■ |
| ■ | ■ | ■ |
| ■ | ■ | ■ |

Fonte: Previsão Meteorológica: ECMWF

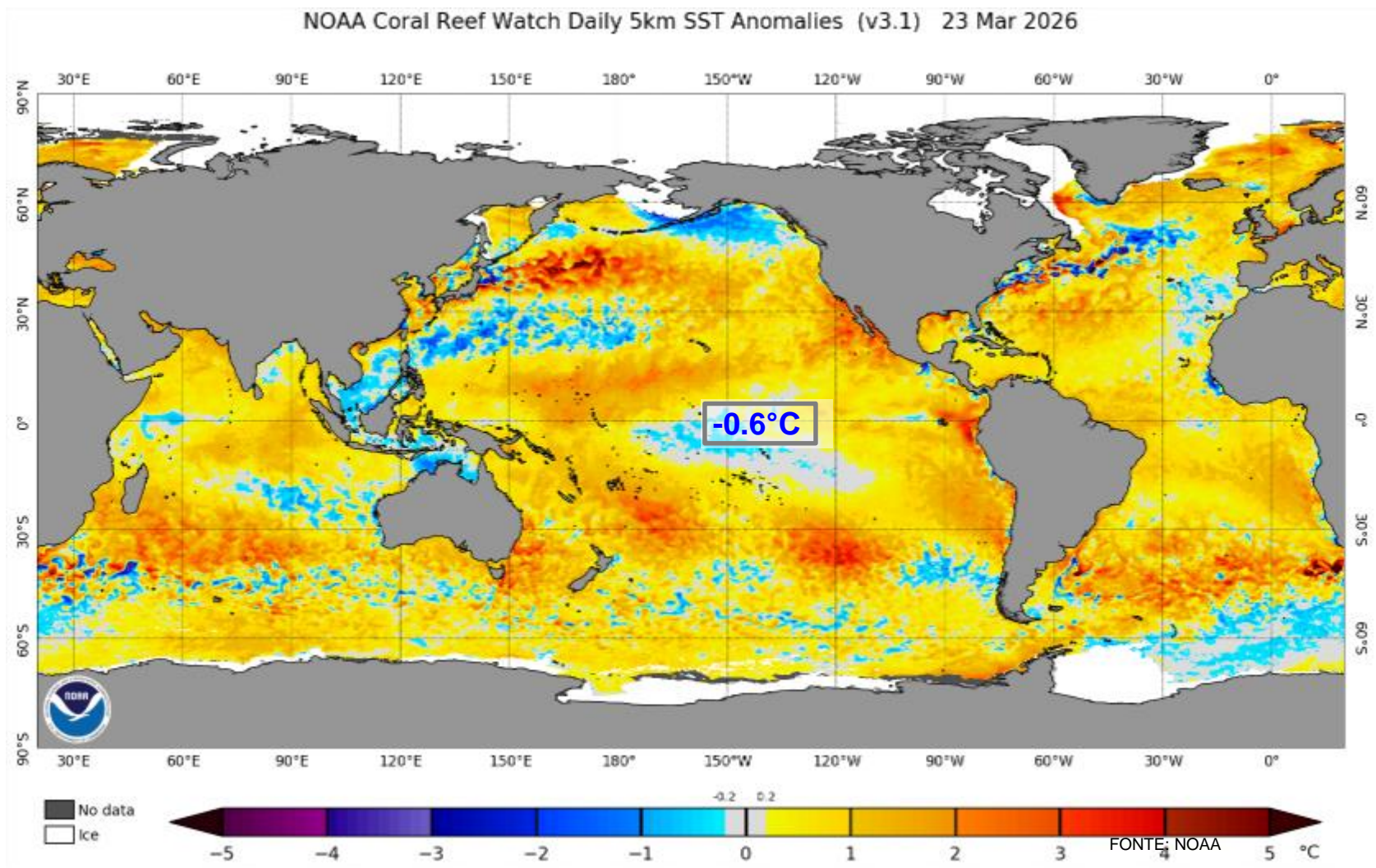
Previsão de vazão: Lisflood/GloFAS Forecast

<https://www.globalfloods.eu/glofas-forecasting/>





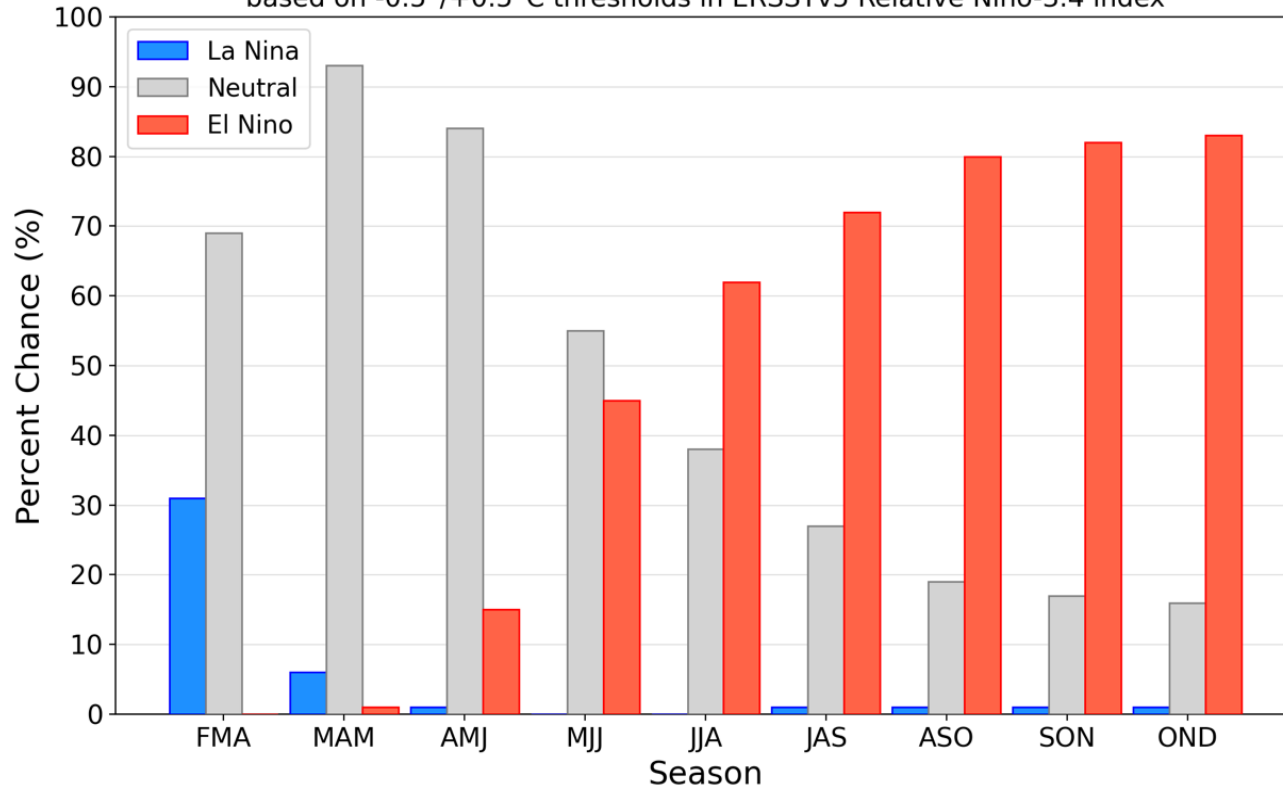
Status Atual: **La Niña Advisory** / **El Niño Watch**



Previsão do “ENSO”

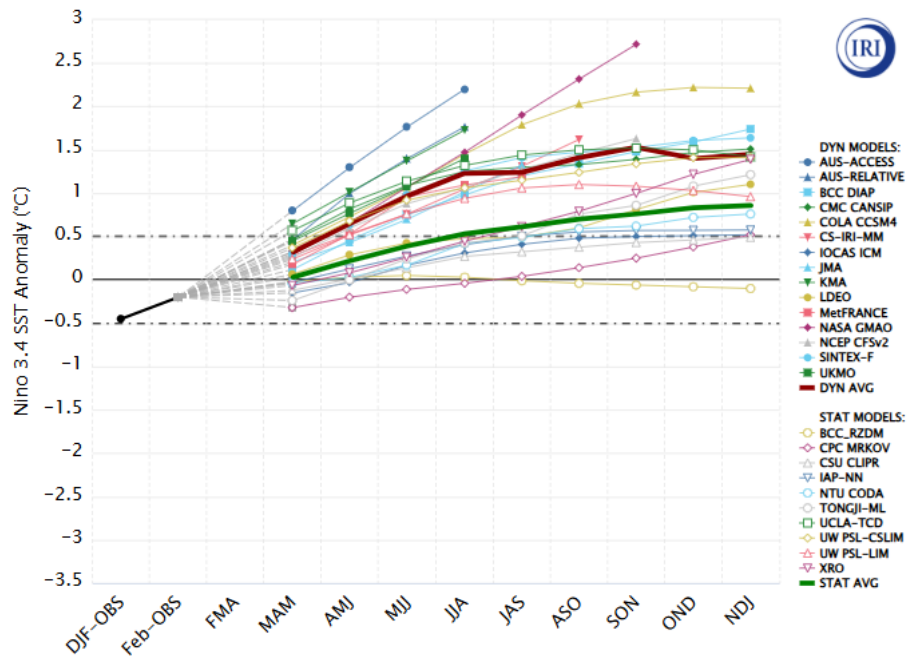
Official NOAA CPC ENSO Probabilities (issued March 2026)

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

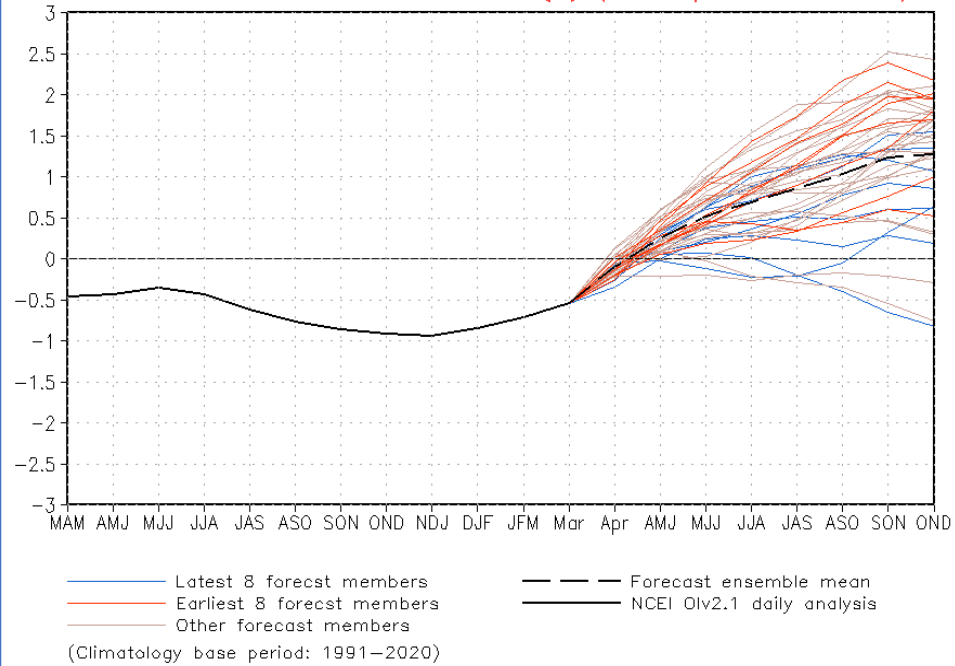


Previsão do “ENSO”

Model Predictions of ENSO from Mar 2026



CFSv2 relative Nino3.4 anomalies (K) (PDF&Spread corrected)



Previsão Sazonal de Chuva Multi-Modelo

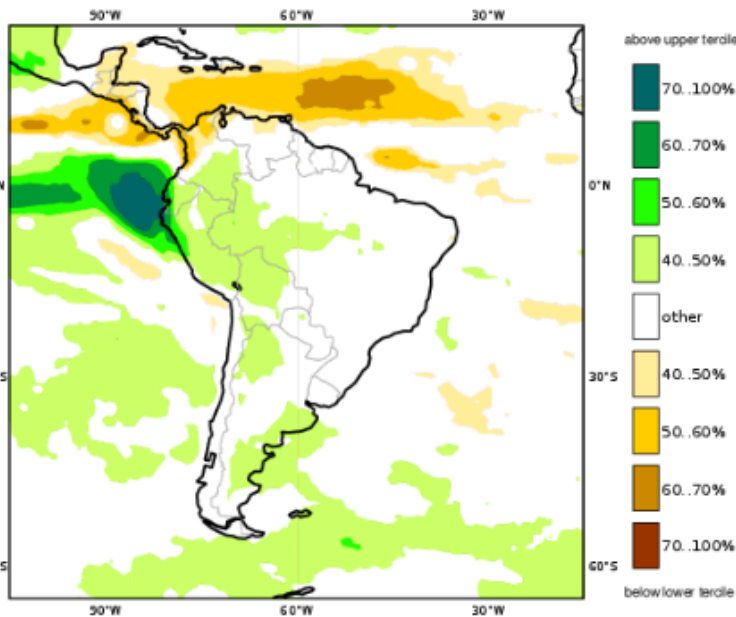
Abril-Maio-Junho

Prob(most likely category of precipitation)

Nominal forecast start: 01/03/26

Unweighted mean

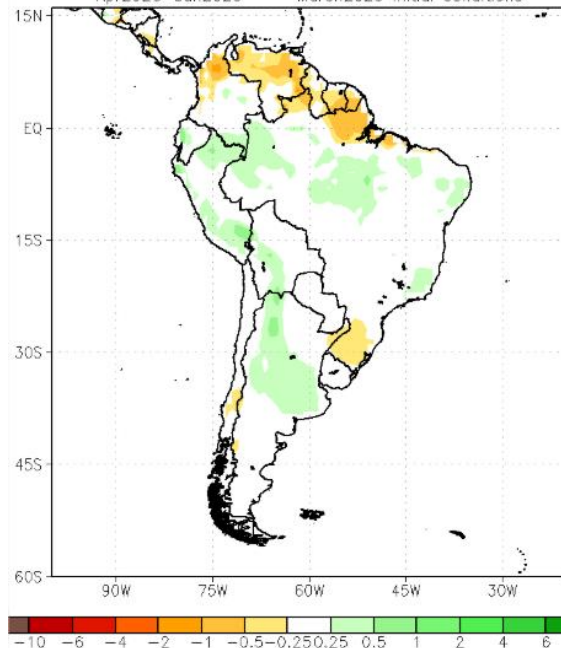
AMJ 2026



Modelos "Europeus"

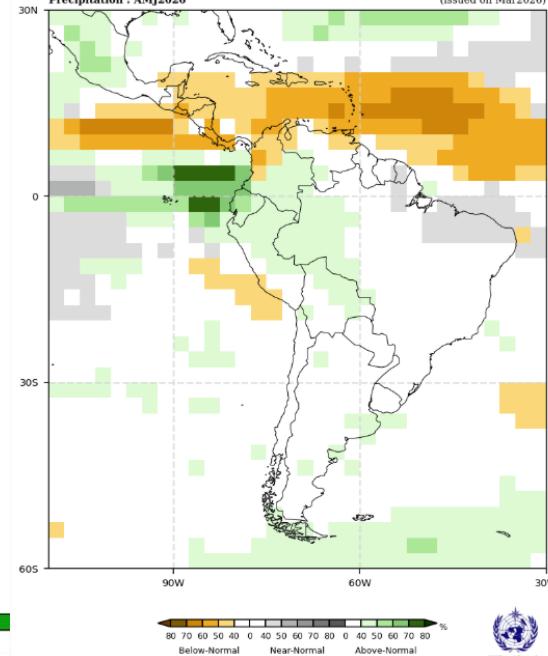
NMME Precipitation Anomalies (mm/day)

Apr2026-Jun2026 March2026 initial conditions



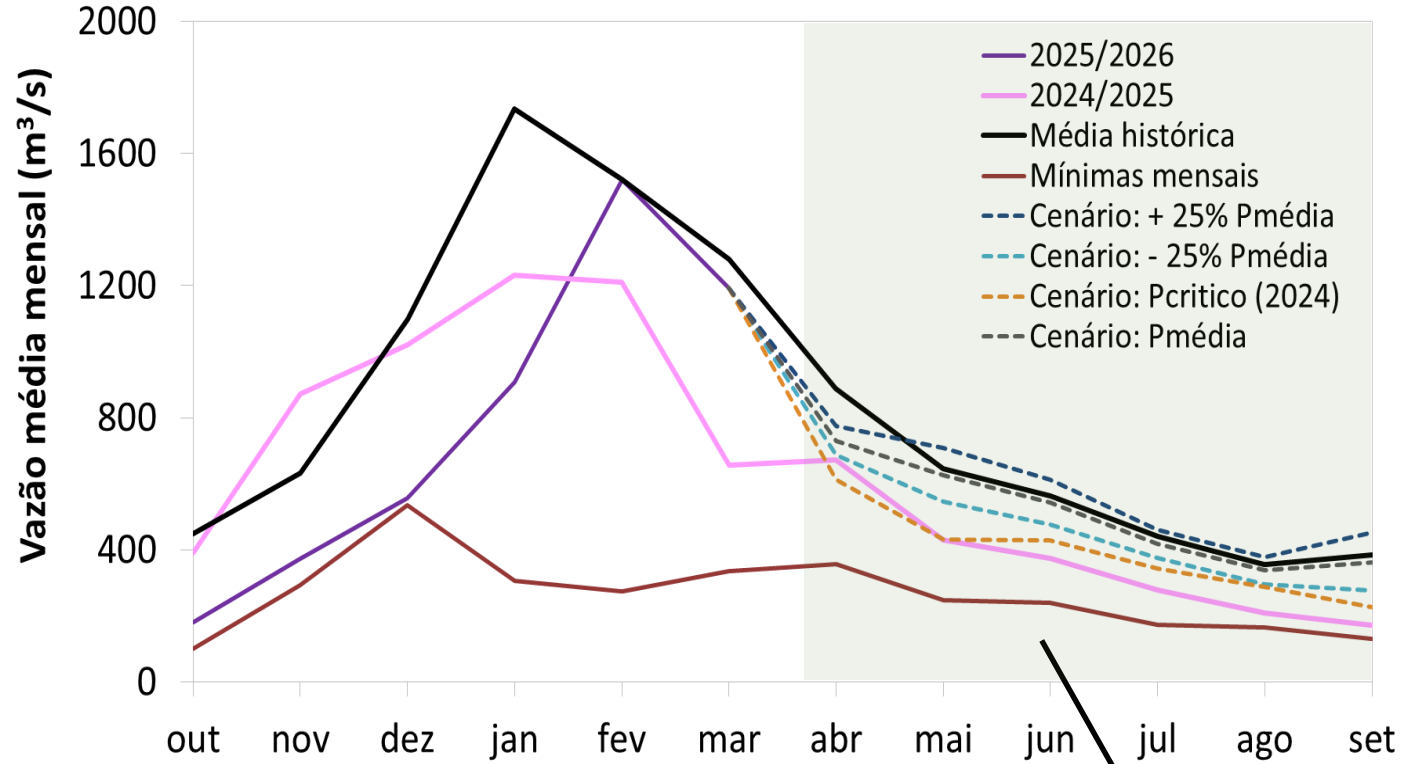
Modelos Norte Americanos

Precipitation : AMJ2026 (Issued on Mar2026)



Modelos da WMO

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



Abr-Set (Meses Secos)

MLT: 546 m³/s

Vazão	% MLT
564 m³/s	103%
502 m³/s	92%
443 m³/s	81%
388 m³/s	71%