



# CEMADEN

Centro Nacional de Monitoramento e  
Alertas de Desastres Naturais

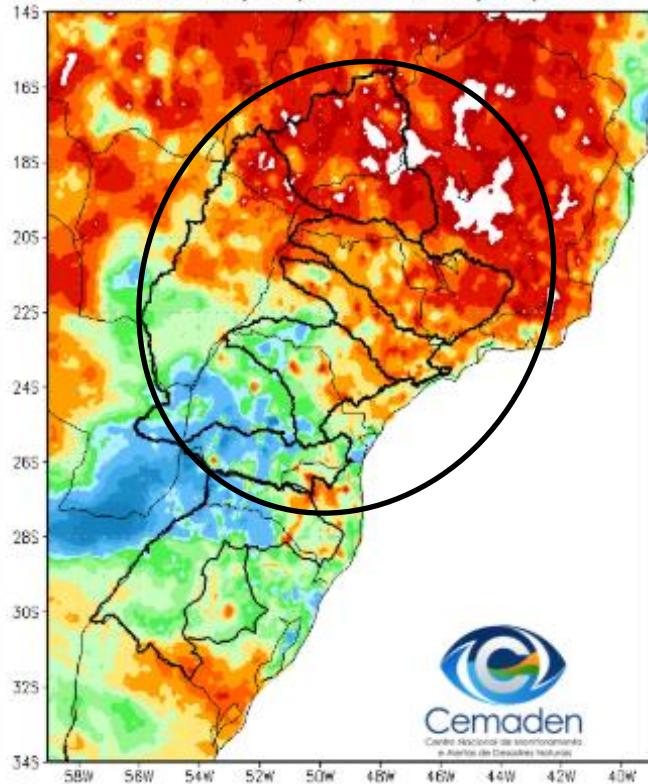
Monitoramento e Previsões  
para a  
Bacia do rio Paraná

Outubro de 2025

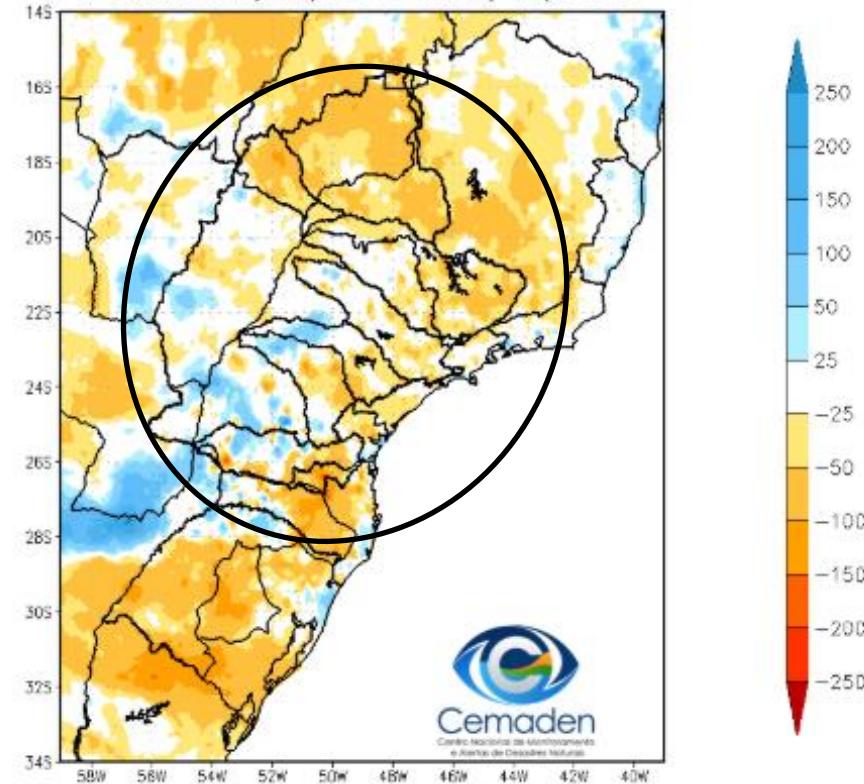


# Precipitação acumulada nos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Periodo: 29/09/2025 a 29/10/2025

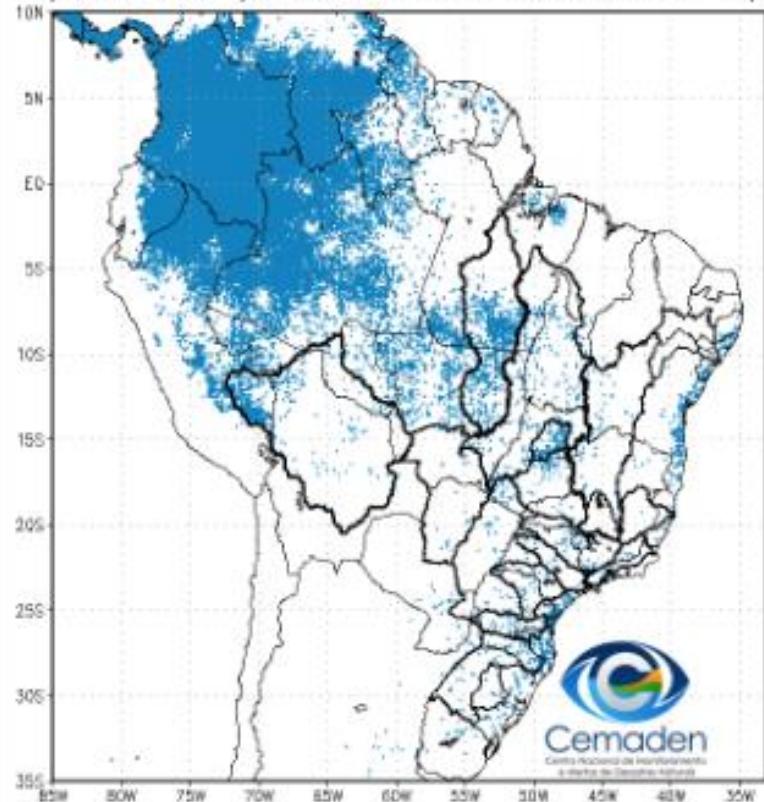


Anomalia de Precipitacao (mm) A.S.  
Periodo: 29/09/2025 a 29/10/2025

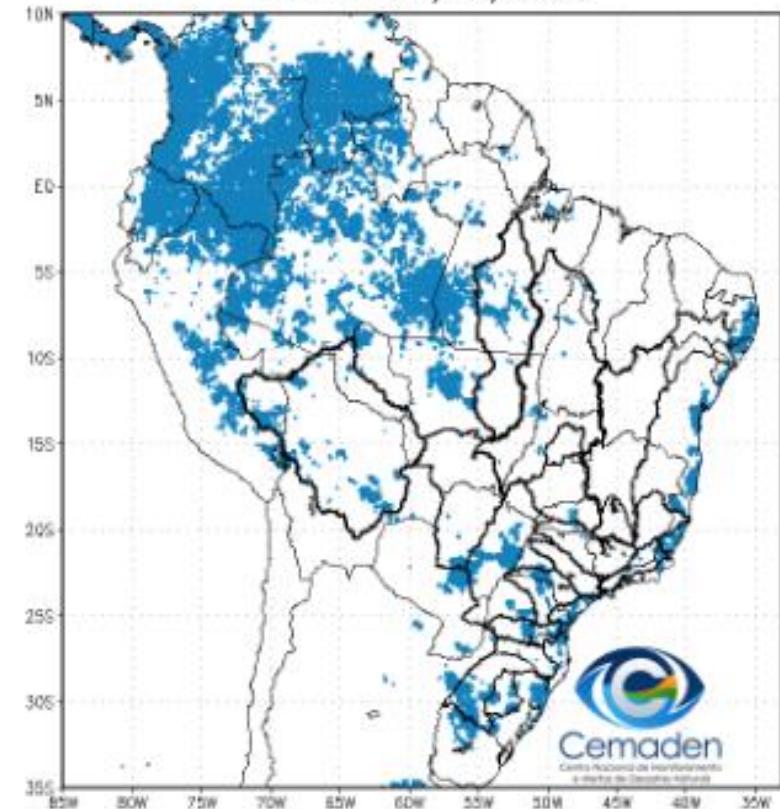


## Situação da Estação Chuvosa

Climatologia da Precipitação (2001–2024)  
Superior 3 mm/dia em 4 de 5 dias Período: 29/10

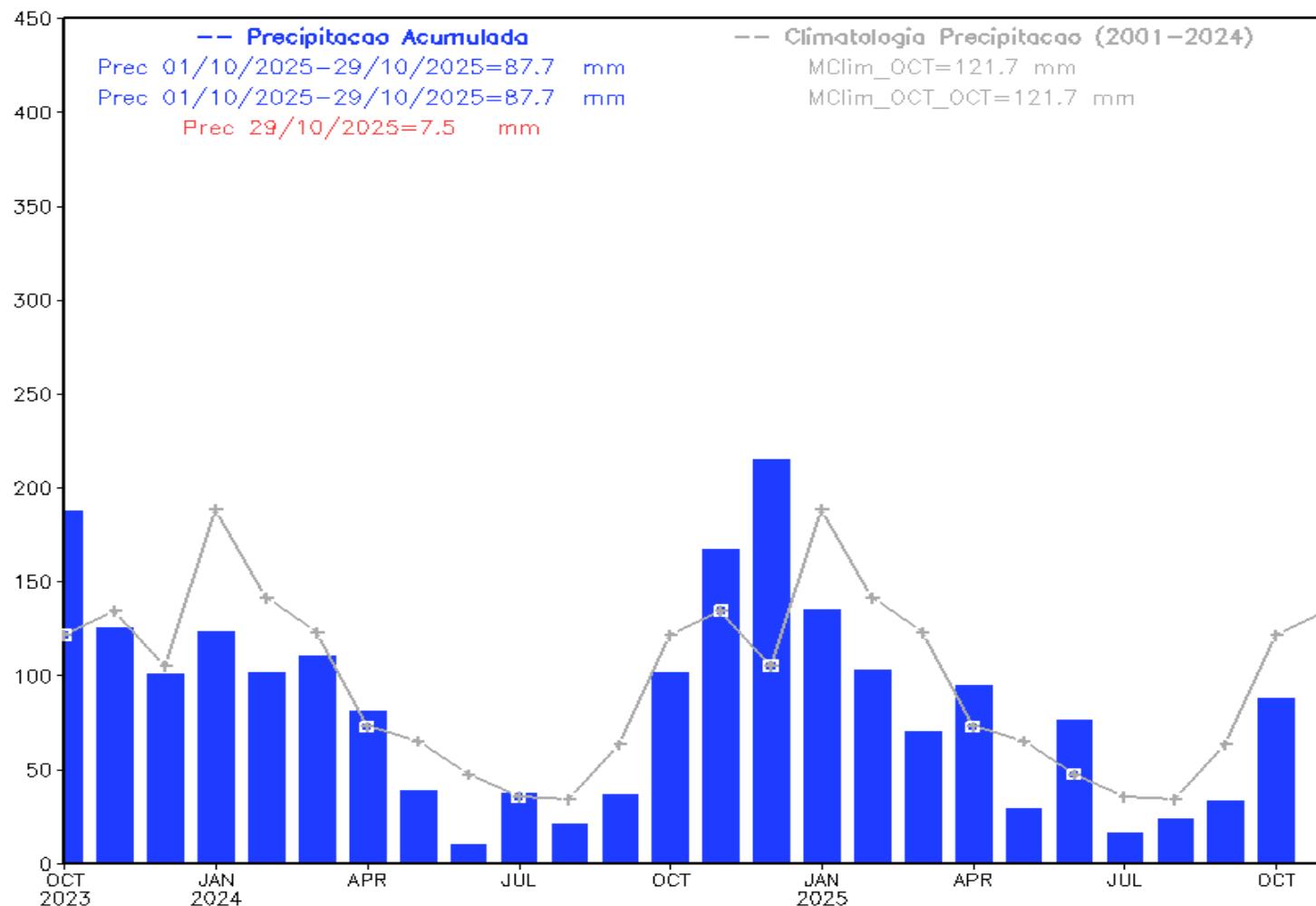


Precipitação A.S. Superior a 3 mm/dia por 4 de 5 dias  
Período: 29/10/2025

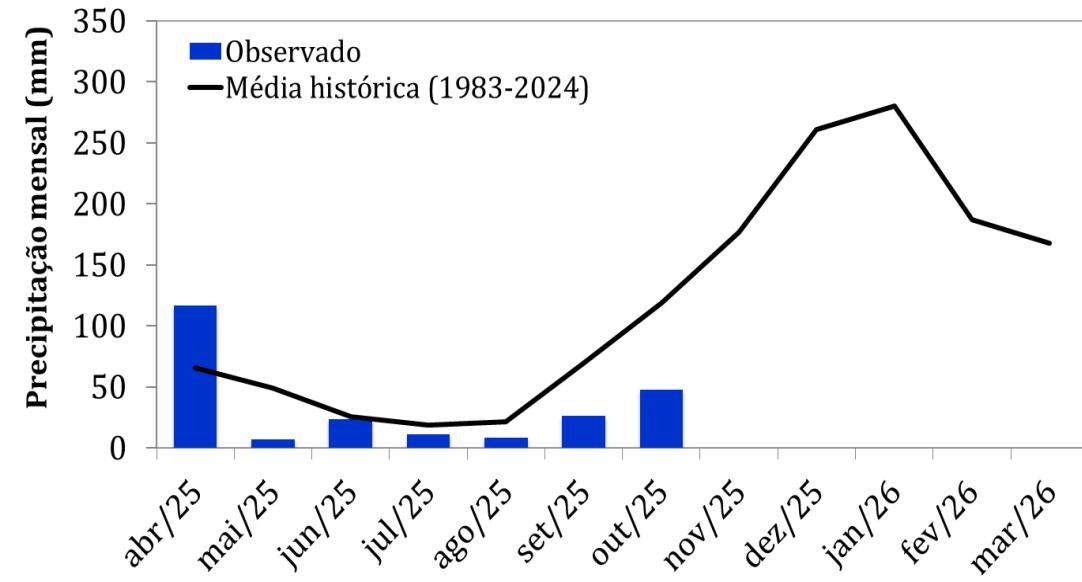


# Precipitação acumulada nos últimos 24 meses

Precipitacao Bacia do Rio Parana  
desde OCT 2023



# Monitoramento UHE Furnas



## Precipitação

### Estação Chuvosa - Out a Mar – 1192 mm

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

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

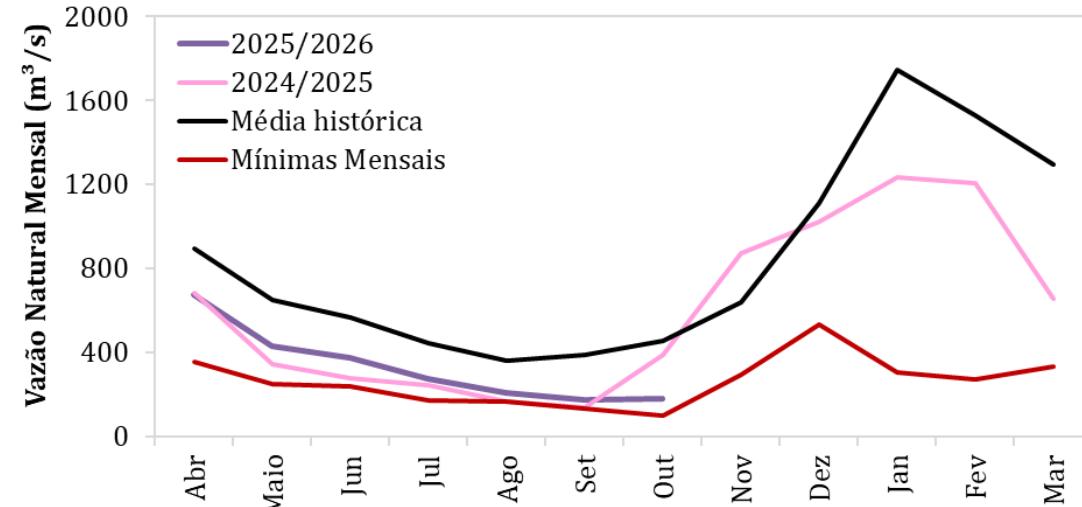
### Estação Seca - Abr a Set – 250 mm

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

2025: 193 mm (**77% da MLT**)

Out/2025\*: 48 mm (**40% da MLT**)

\*Até 27/10/2025



## Vazão

### Estação Chuvosa - Out a Mar – 1130 m<sup>3</sup>/s

2023/2024: 716 m<sup>3</sup>/s (**63% da MLT**)

2024/2025: 897 m<sup>3</sup>/s (**79% da MLT**)

### Estação Seca - Abr a Set – 551 m<sup>3</sup>/s

2024: 309 m<sup>3</sup>/s (**56% da MLT**)

2025: 356 m<sup>3</sup>/s (**65% da MLT**)

Out/25\*\*: 180 m<sup>3</sup>/s (**40% da MLT**)

27/Ot/25: 146 m<sup>3</sup>/s (**32% da MLT**)

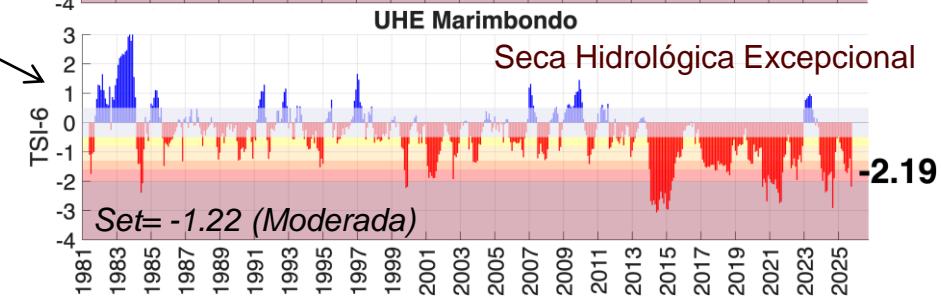
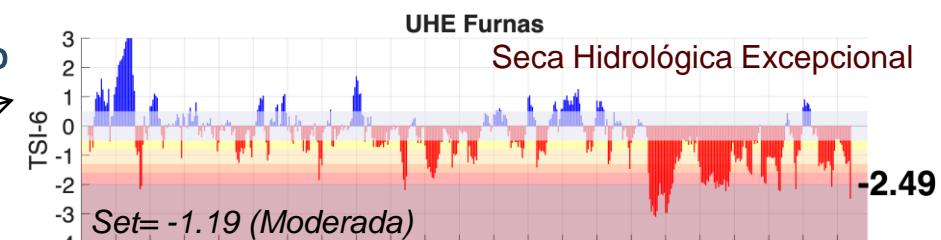
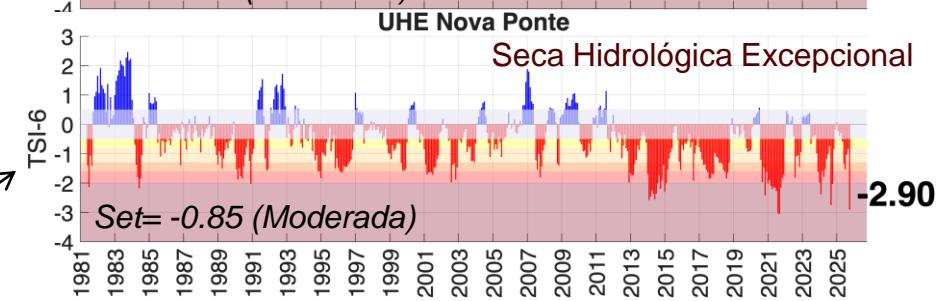
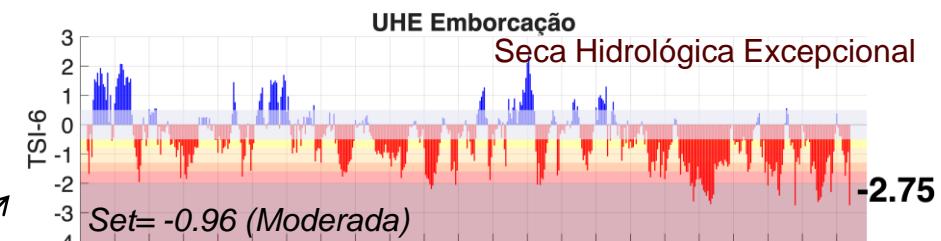
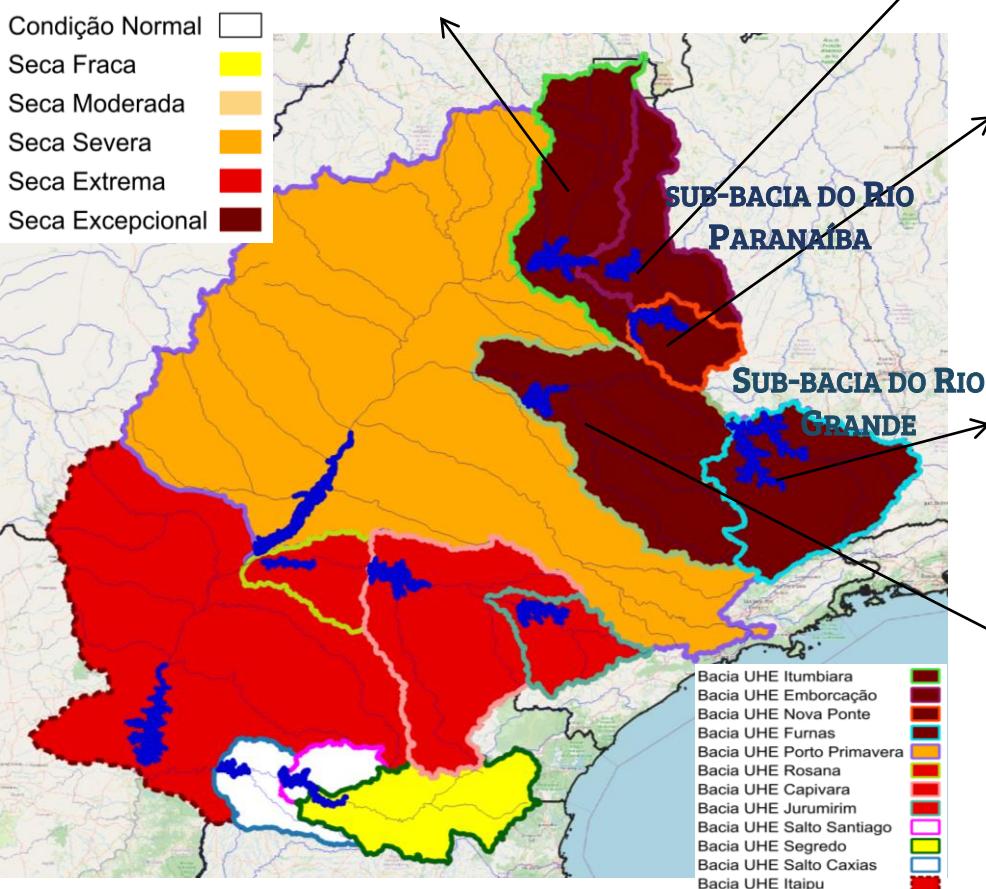
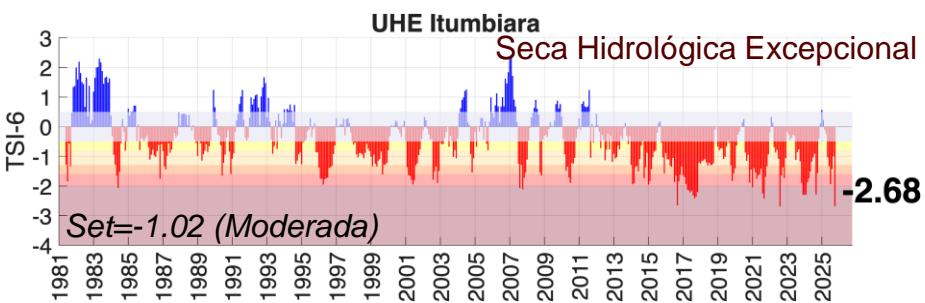
\*\*Até 27/10/2025

Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

# BACIA DO RIO PARANÁ

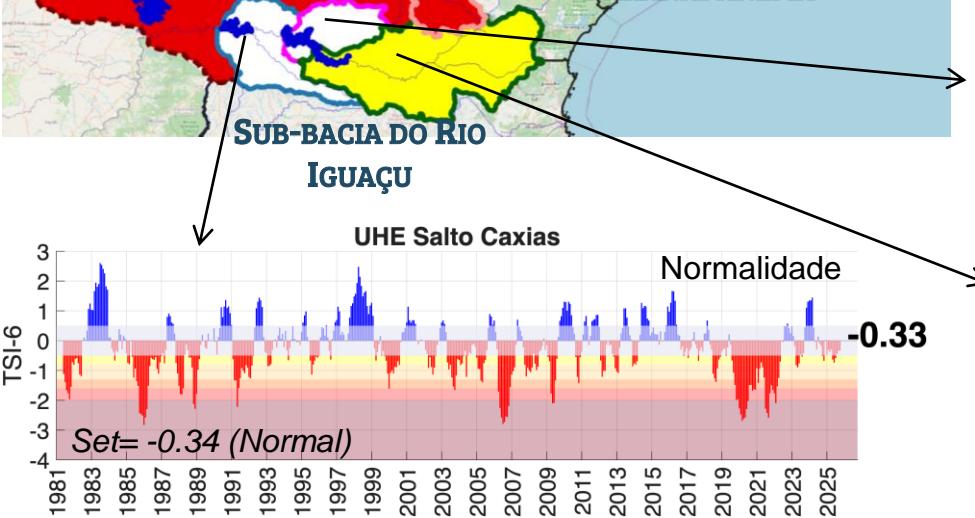
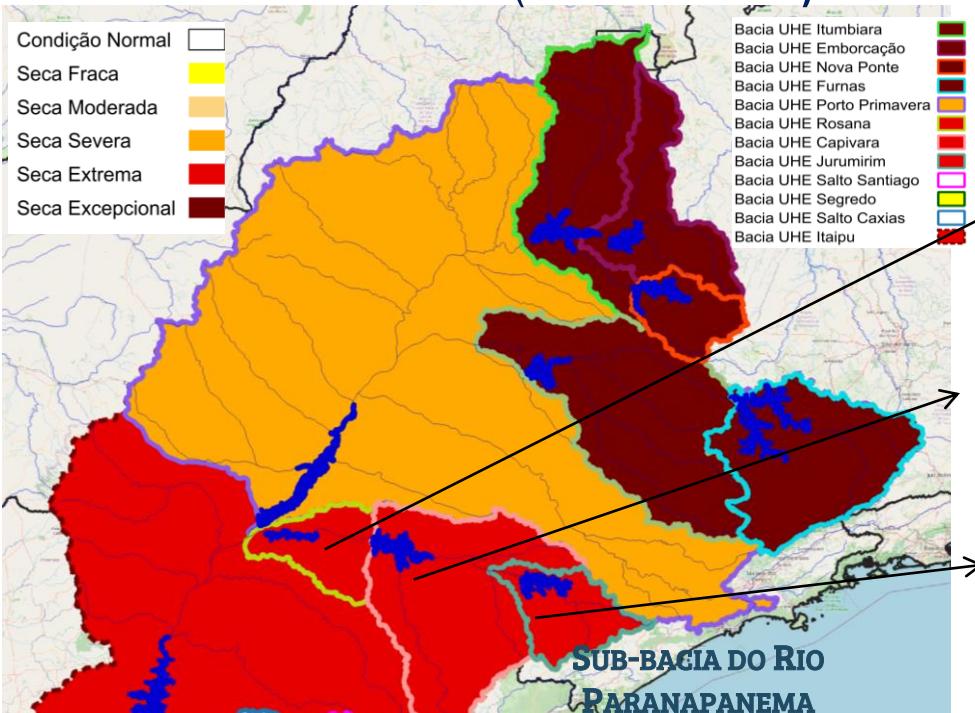
## Índice de Seca Bivariado (Chuva-Vazão) – TSI 6



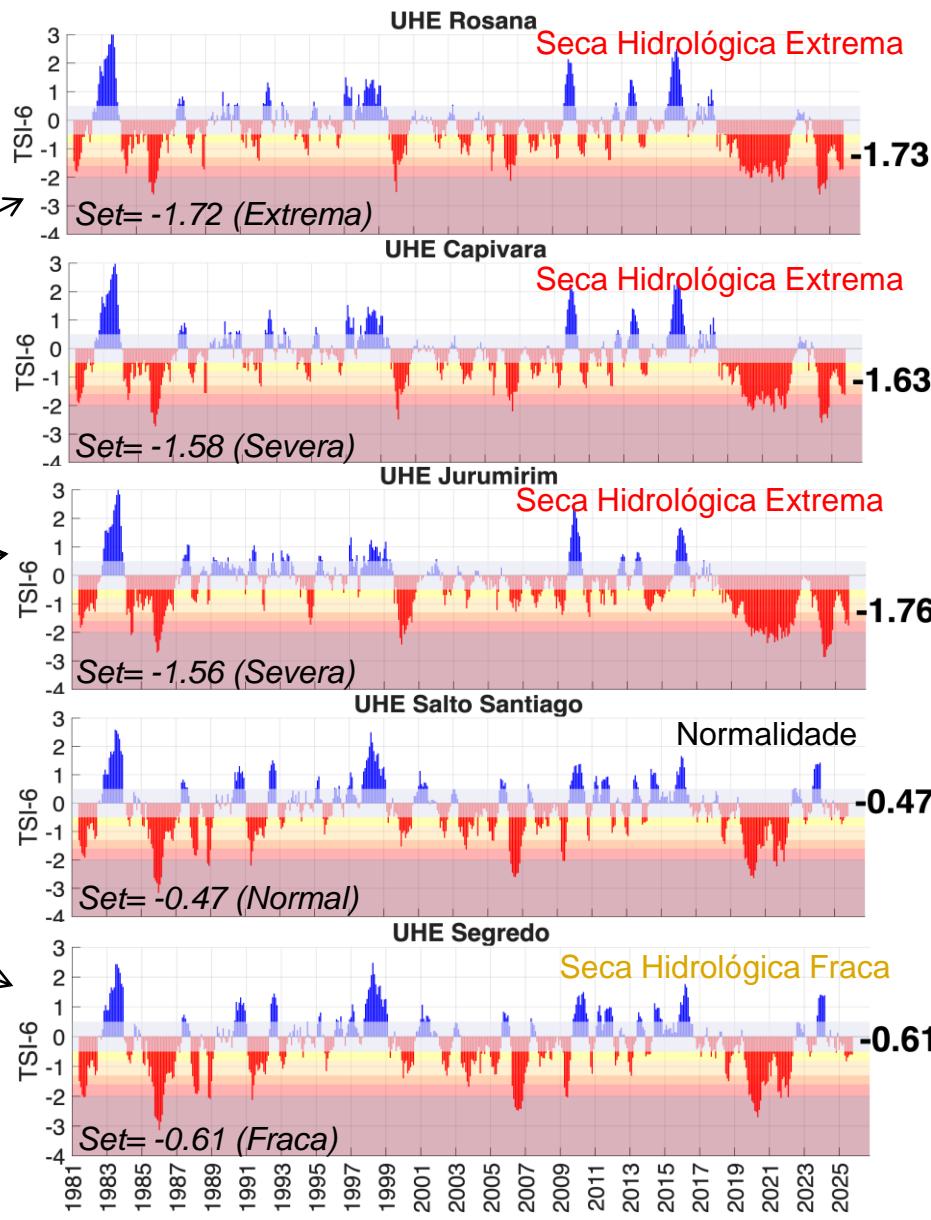
**Outubro/2025**

# BACIA DO RIO PARANÁ

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



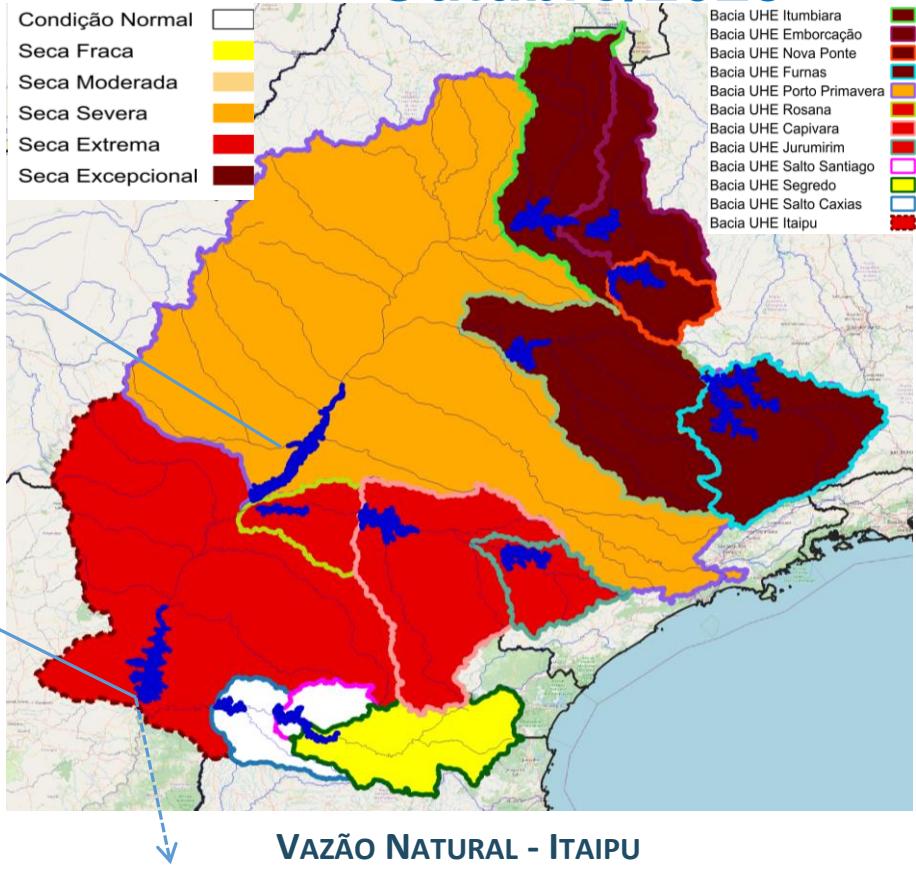
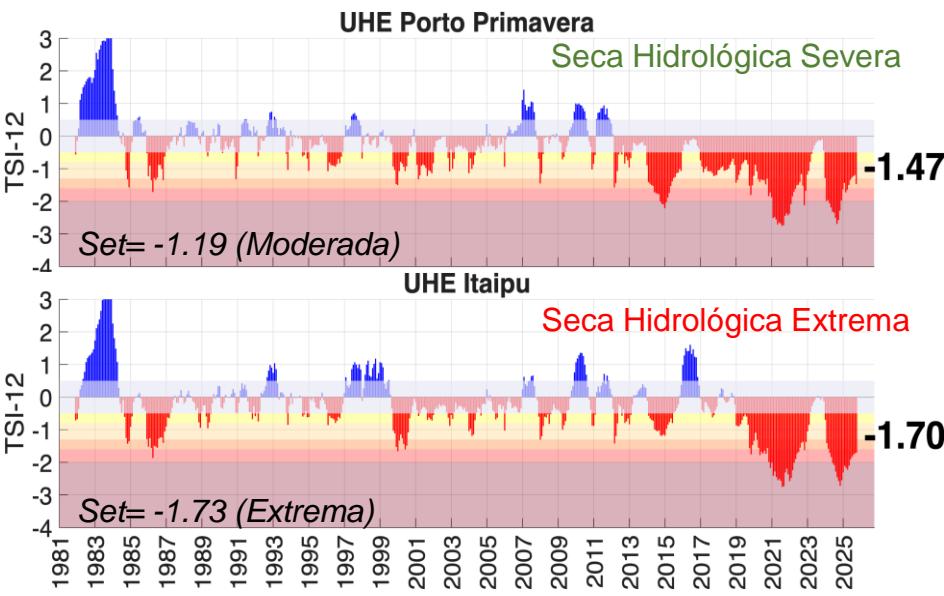
## Outubro/2025



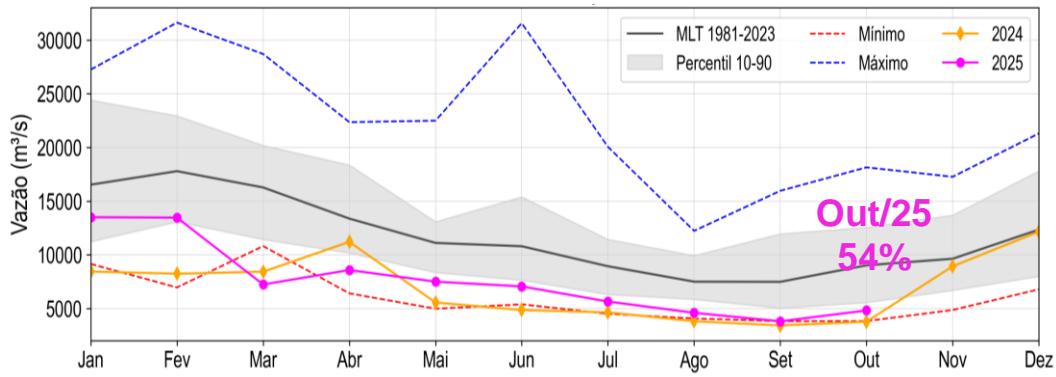
# BACIA DO RIO PARANÁ

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

Outubro/2025



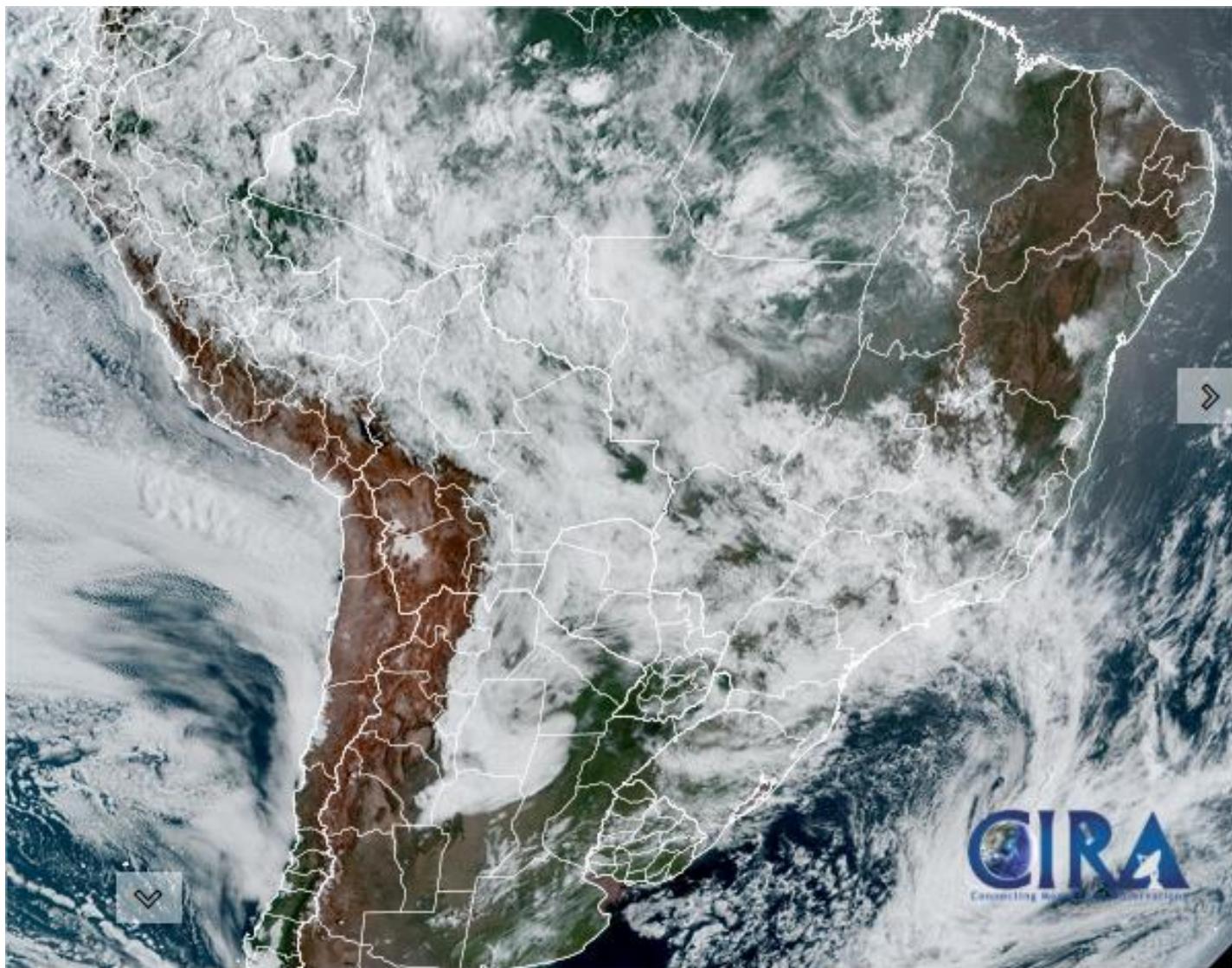
Série de dados = Jan/1981- Outubro/2025



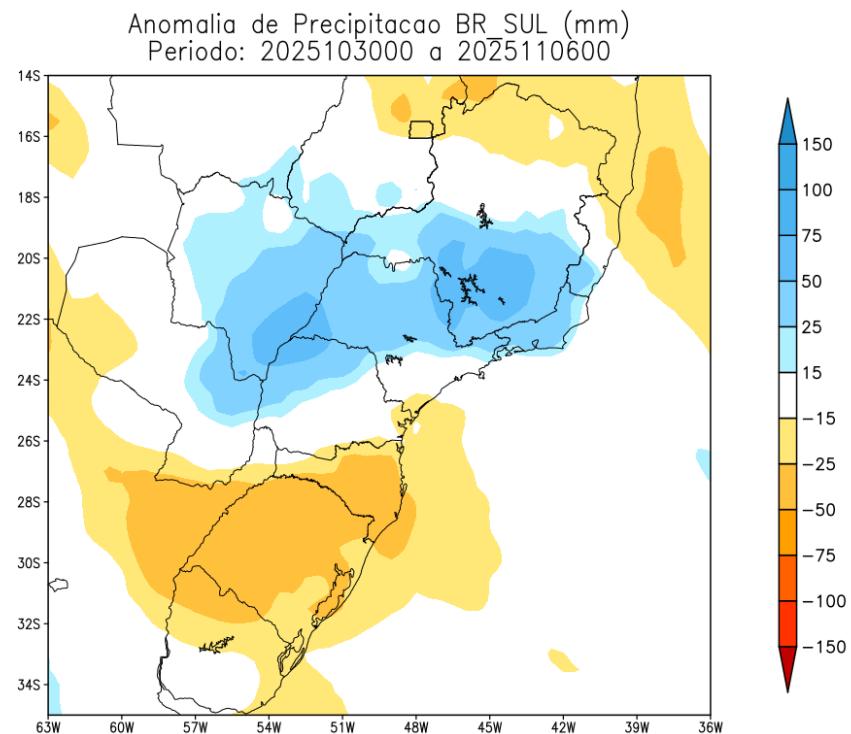
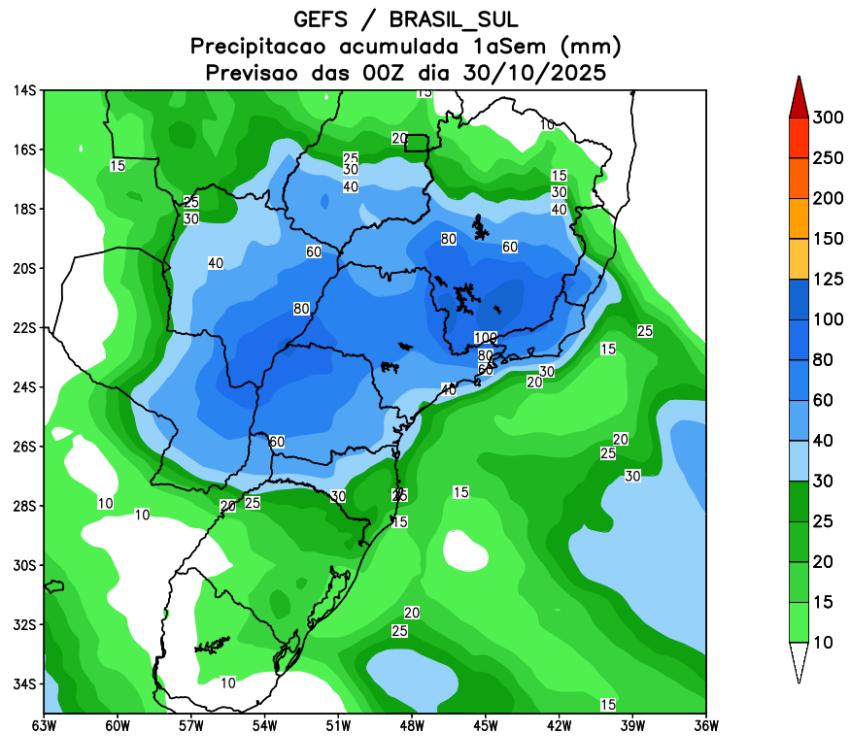
Fonte: CEMADEN/MCTI

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

## Situação meteorológica atual

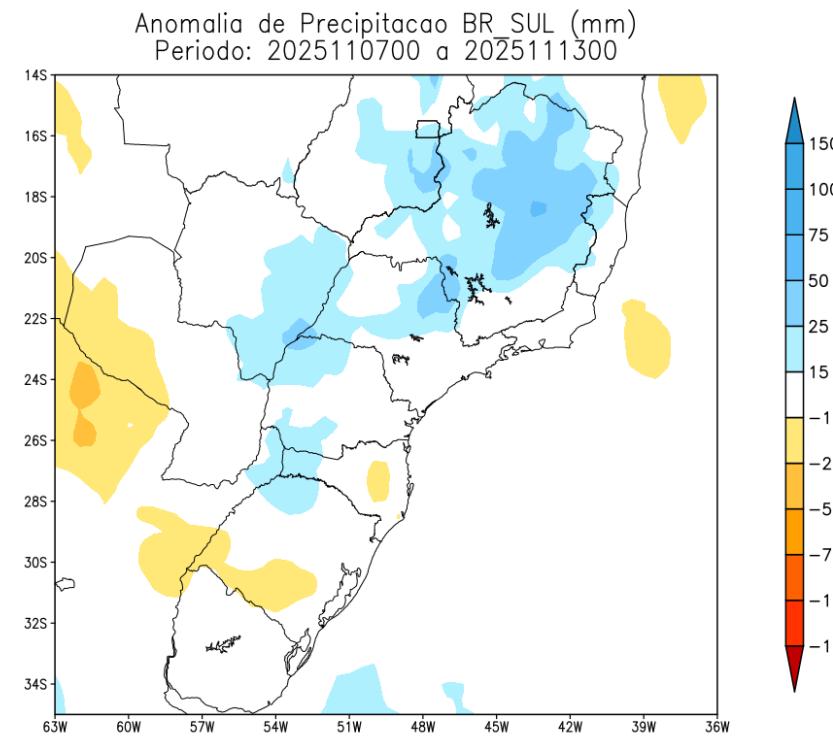
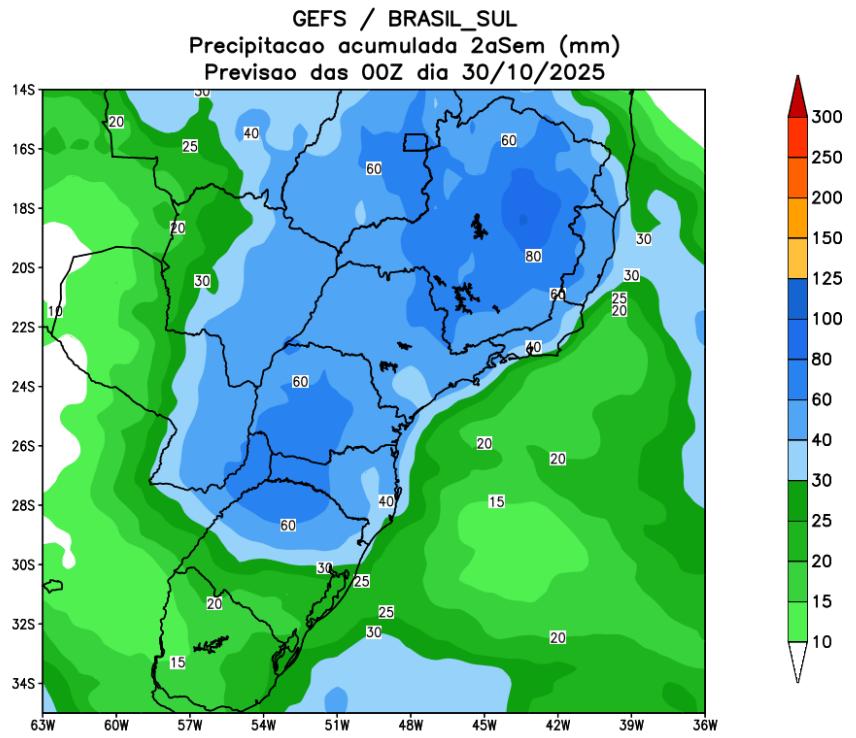


# Previsão de chuva para os próximos 7 dias



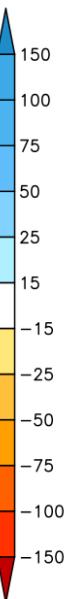
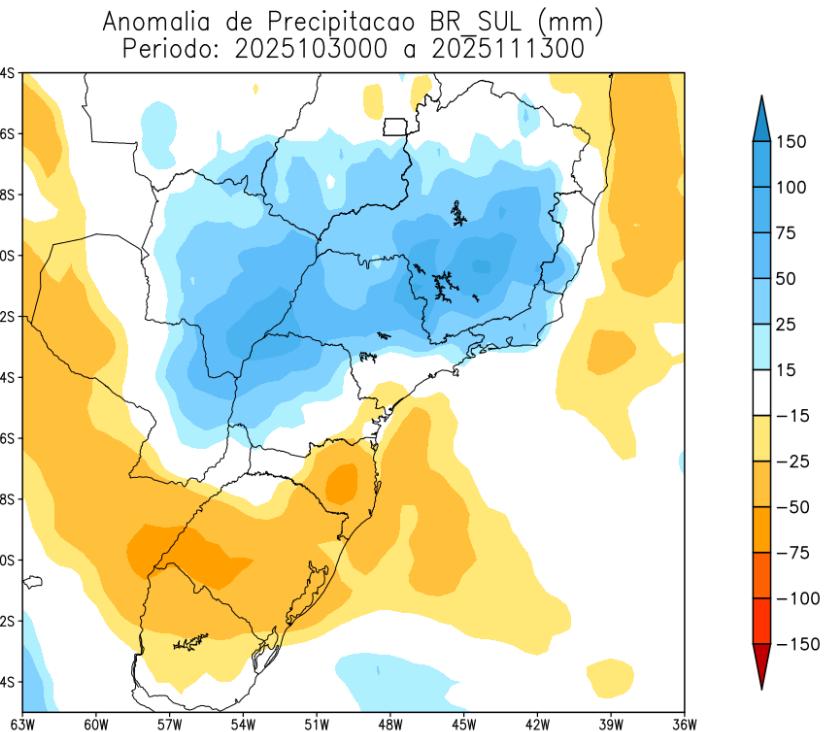
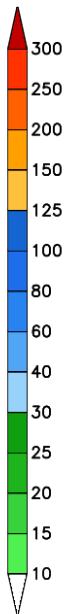
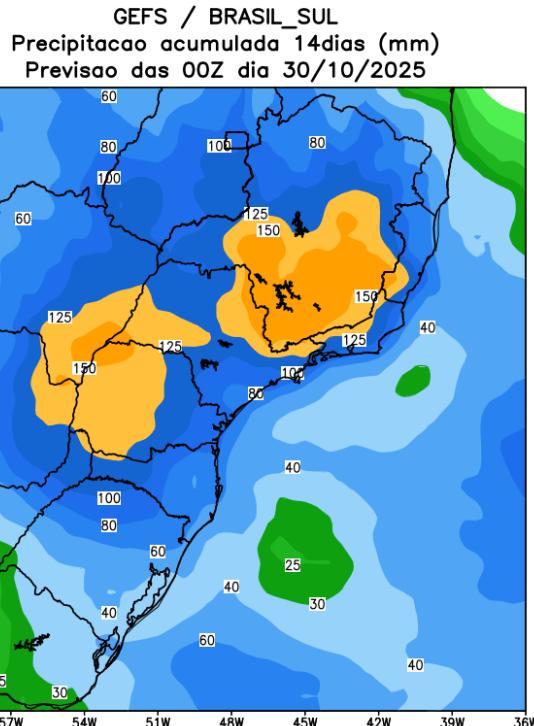
Fonte: GEFS/NOAA

## Tendência para a 2ª Semana



Fonte: GEFS/NOAA

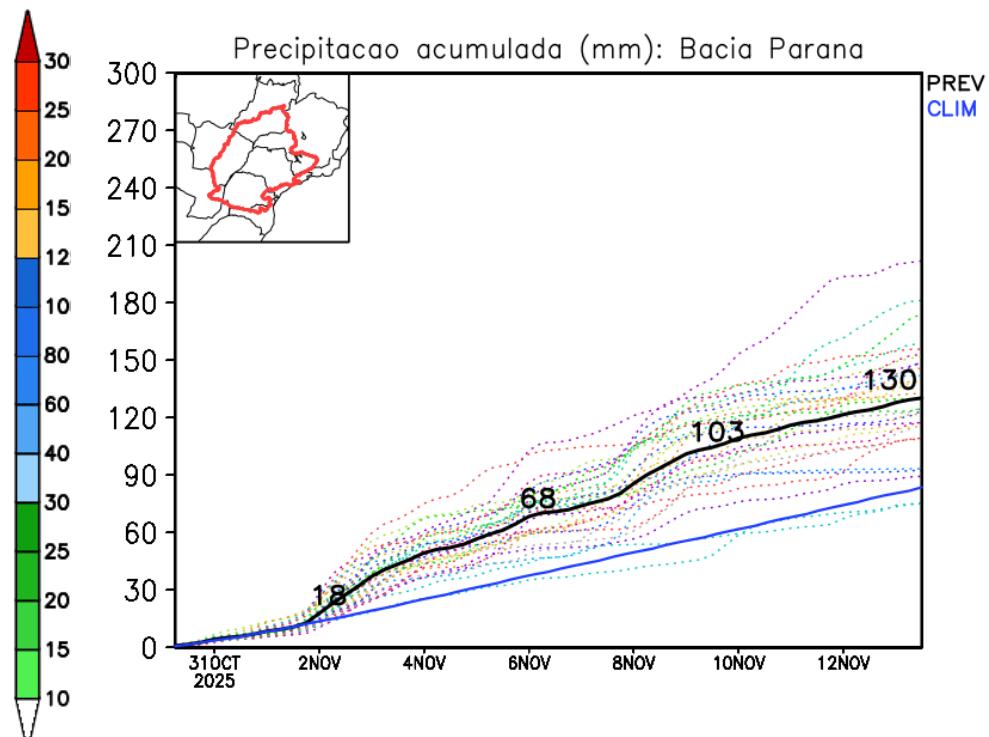
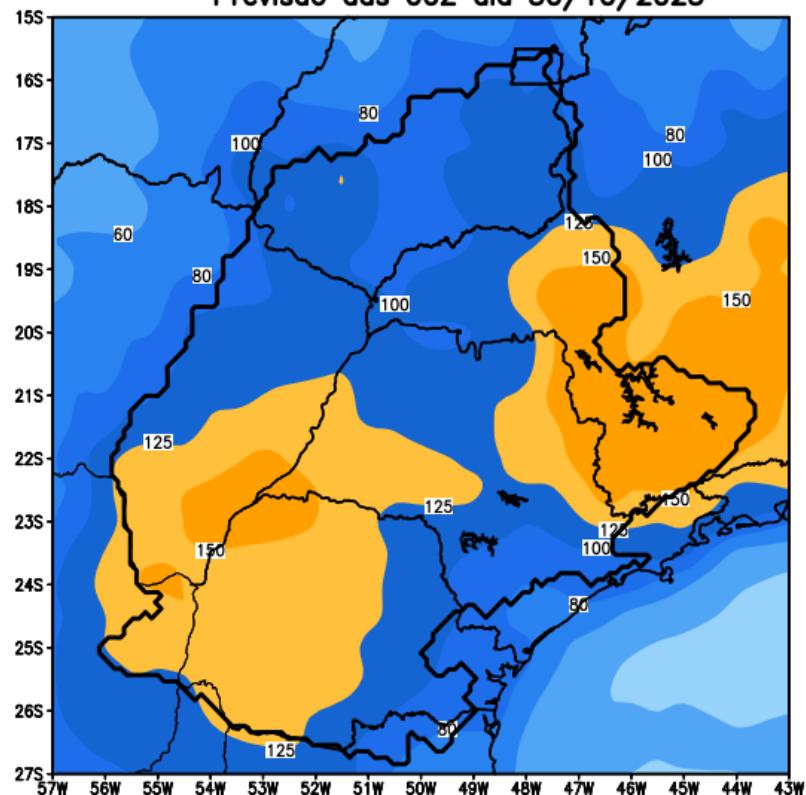
# Acumulado para as duas próximas semanas



Fonte: GEFS/NOAA

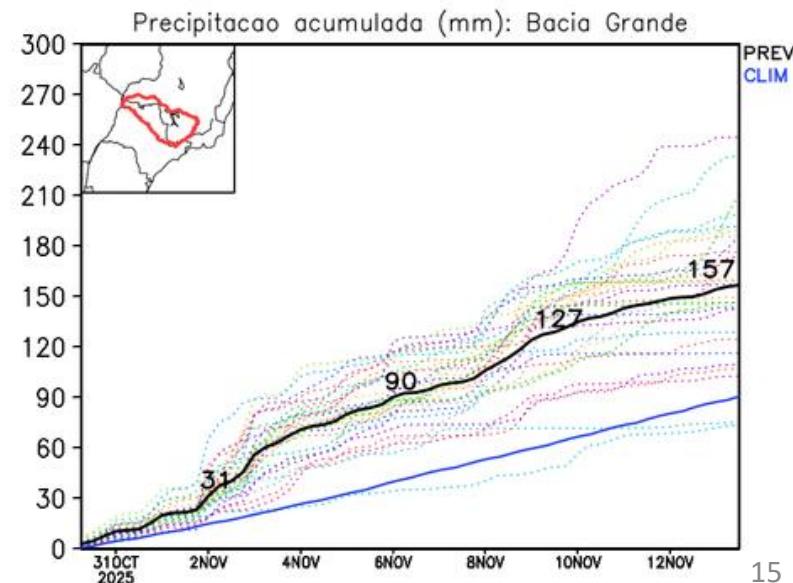
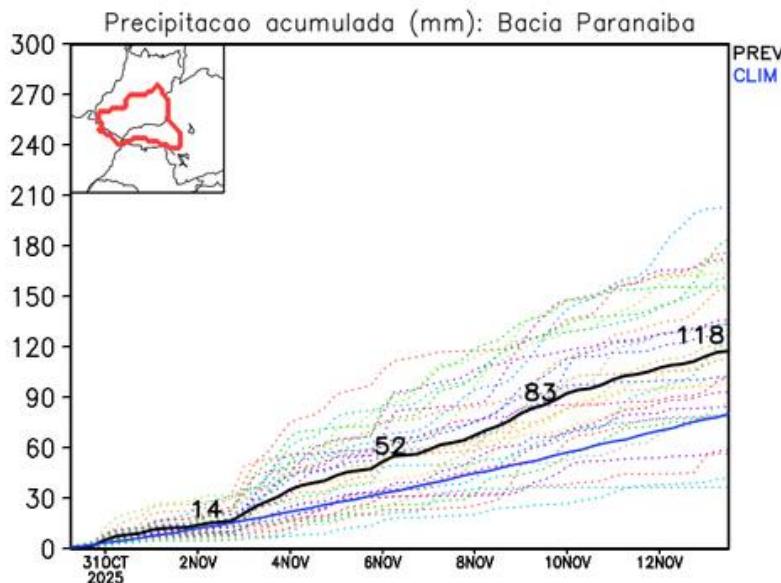
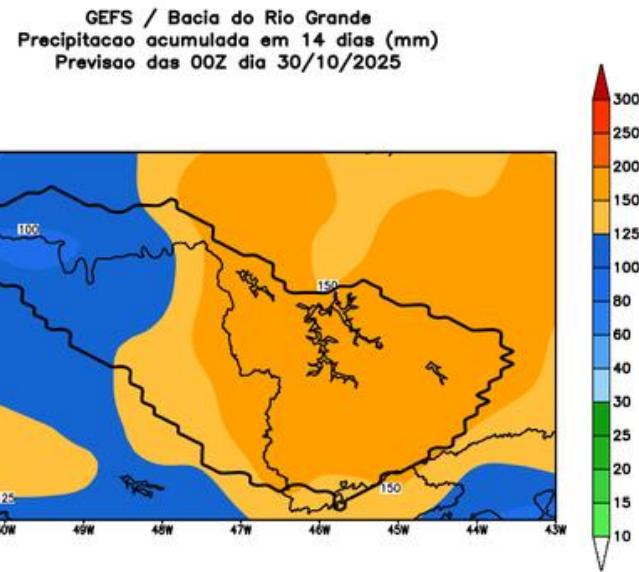
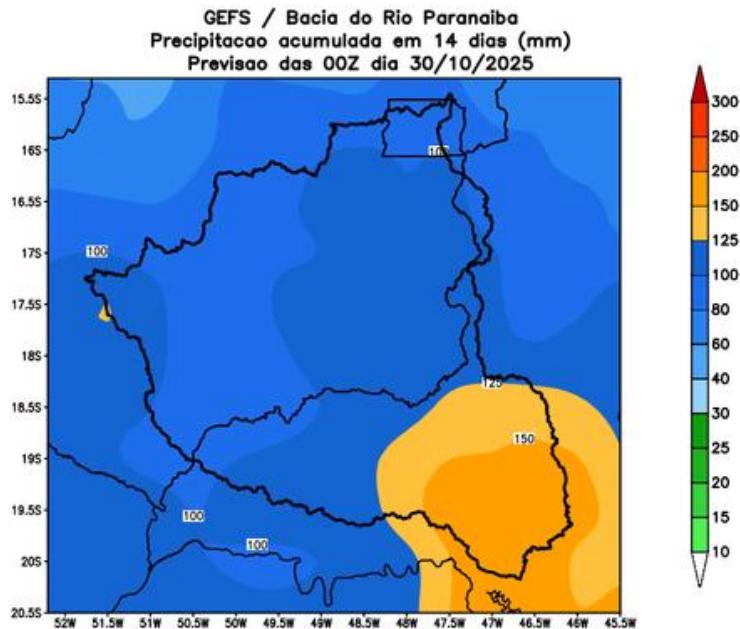
# Previsão de chuva para os próximos 14 dias

GEFS / Bacia do Parana  
Precipitacao acumulada em 14 dias (mm)  
Previsao das 00Z dia 30/10/2025



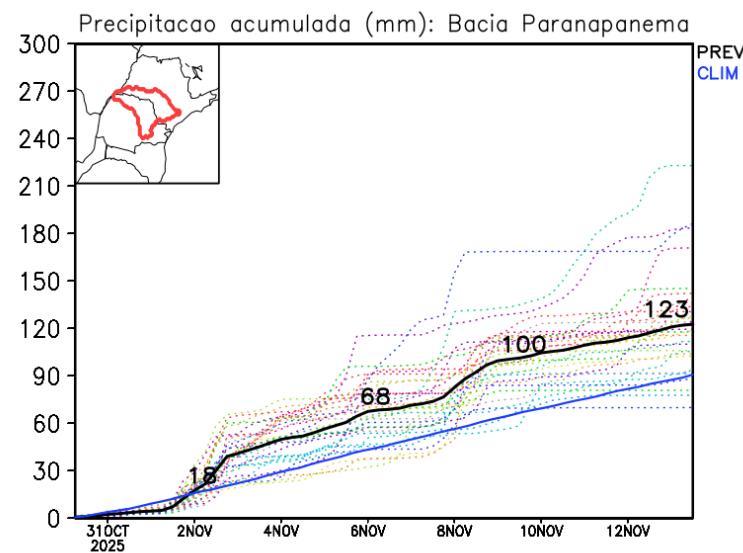
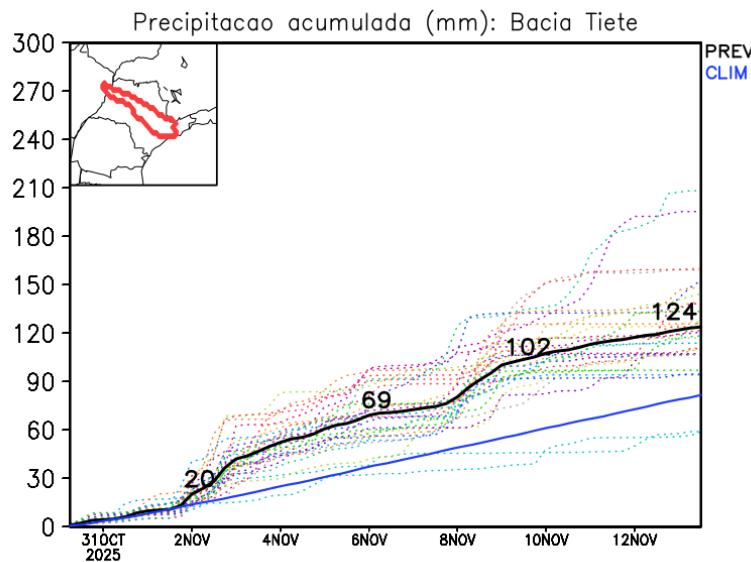
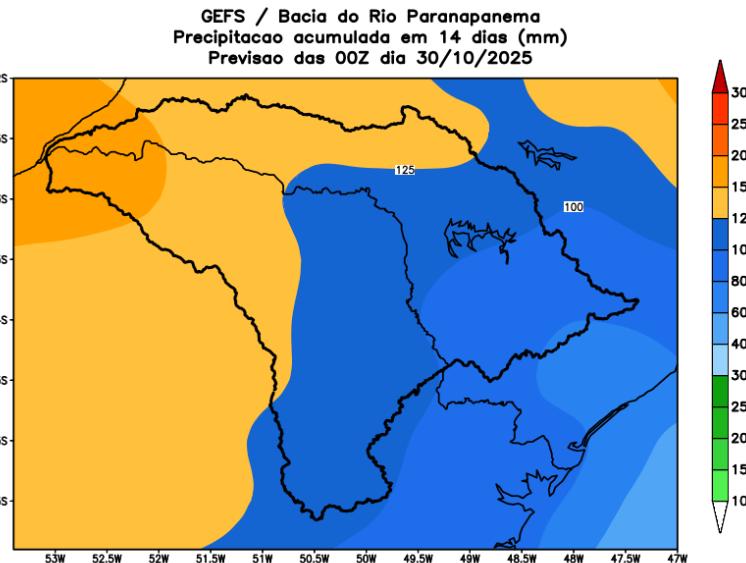
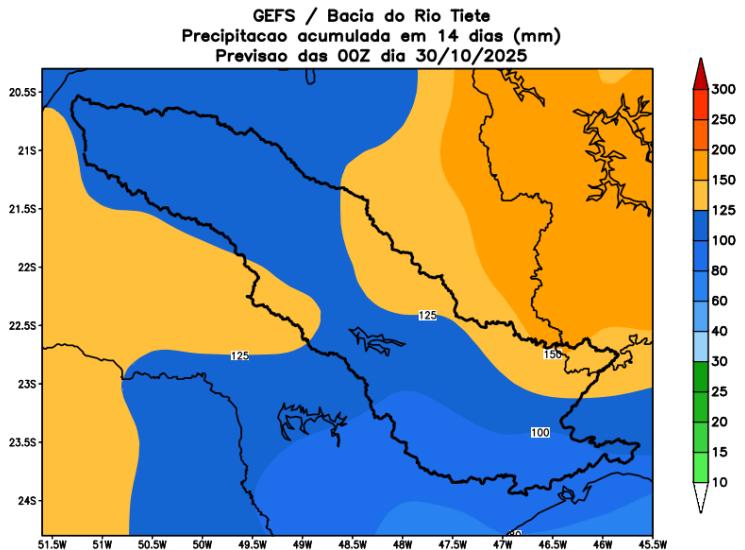
Fonte: GEFS/NOAA

# Bacia do rios Paranaíba e Grande

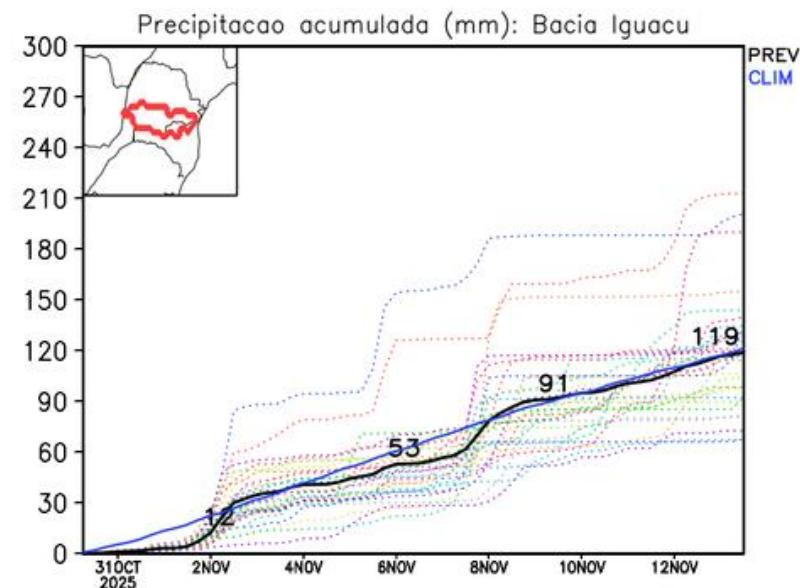
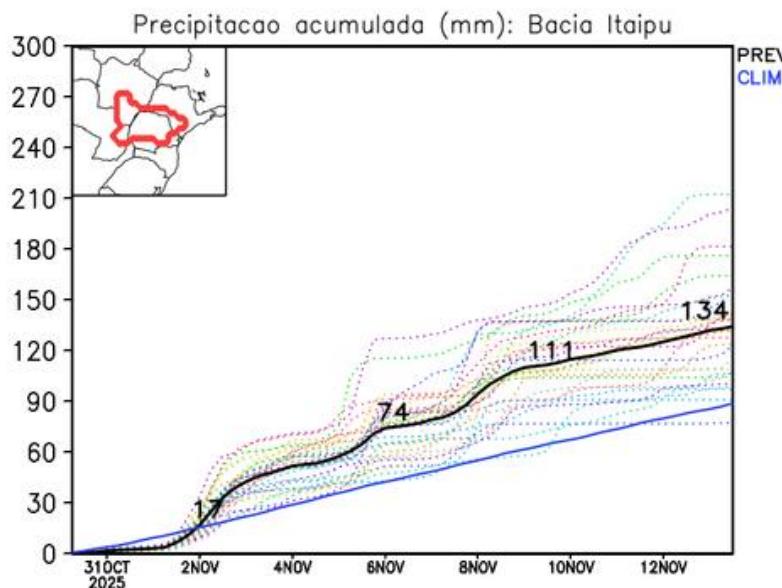
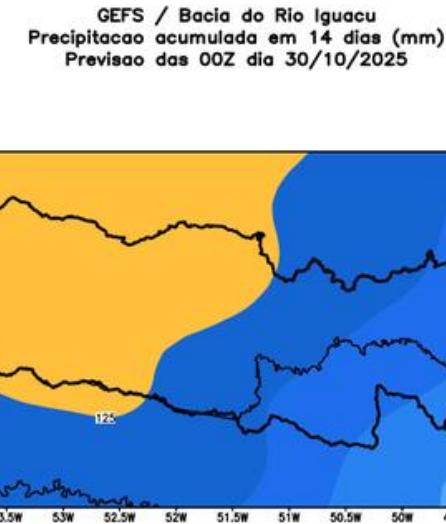
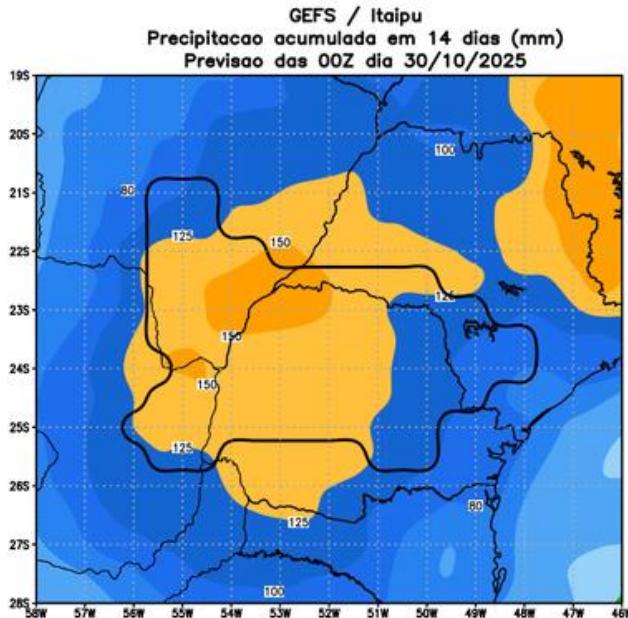


Fonte: GEFS/NOAA

# Bacia do rios Tietê e Paranapanema

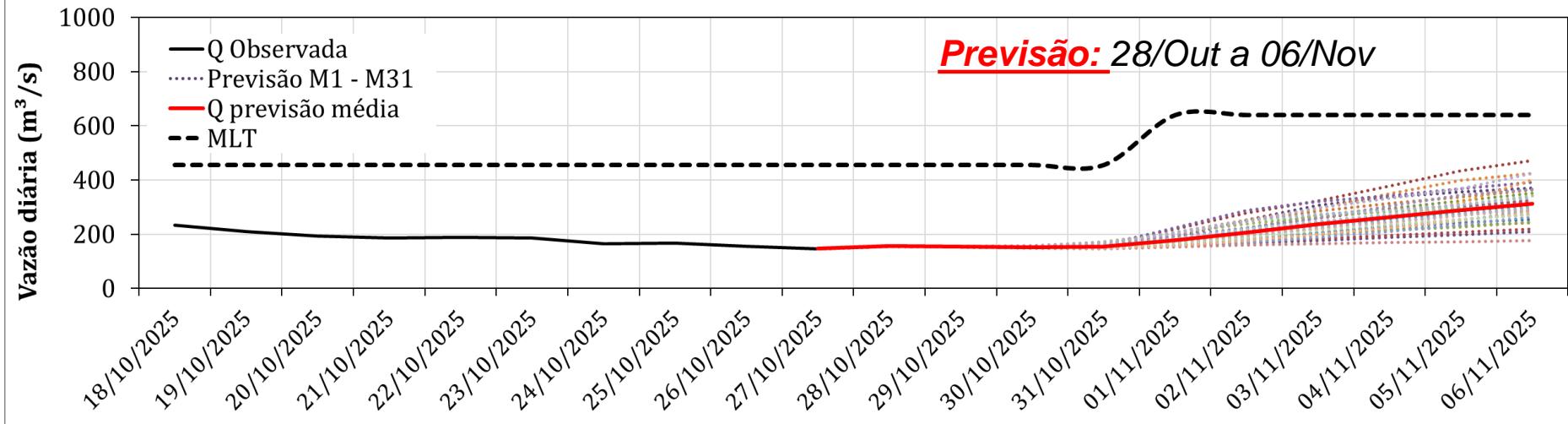
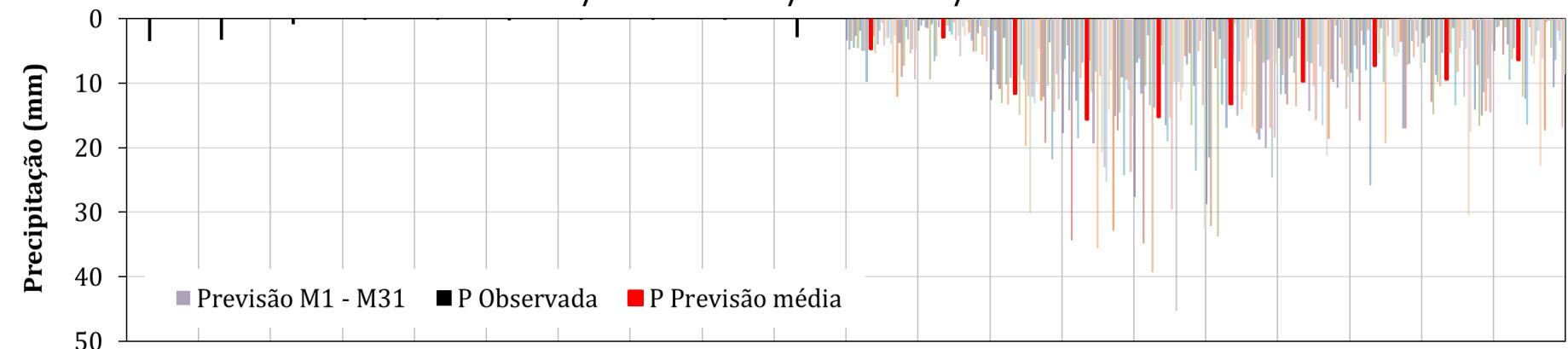


# Bacia do Itaipu e Iguaçu



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

Vazão Natural e Precipitação Diárias para Furnas  
18/Outubro a 06/Novembro/2025



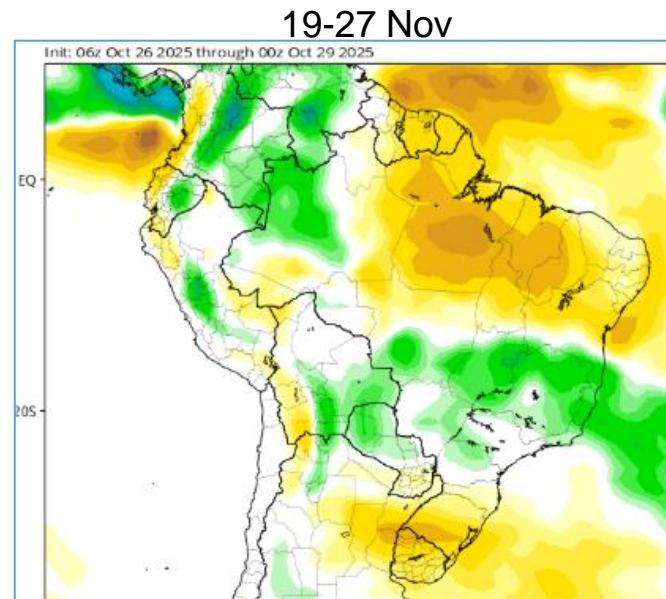
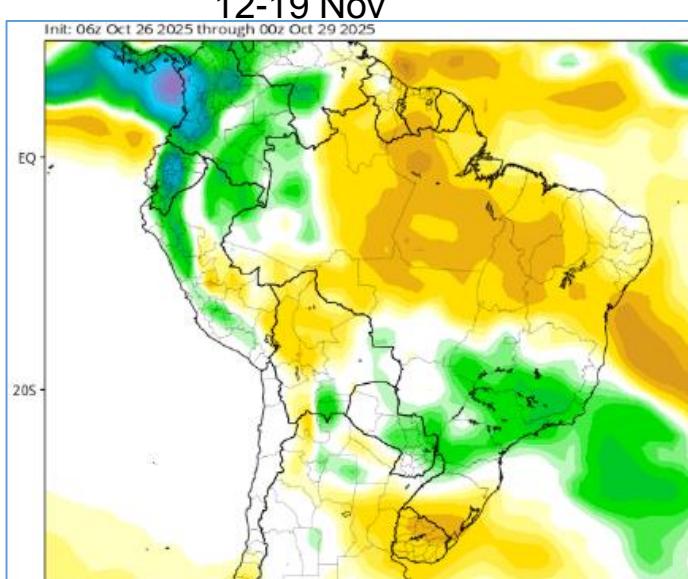
Previsão média para os  
próximos 10 dias: 210 m³/s



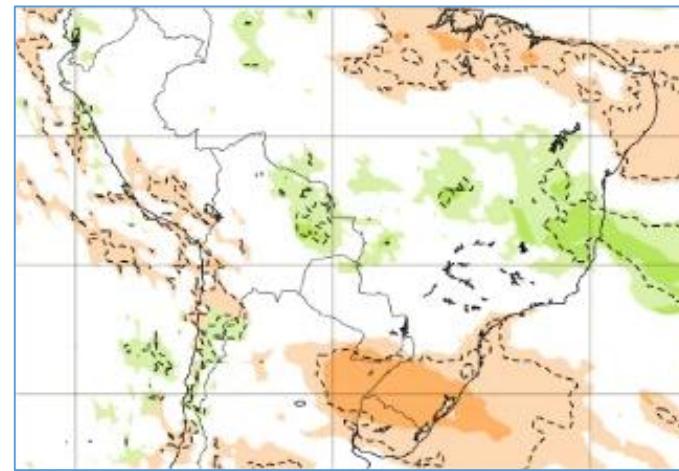
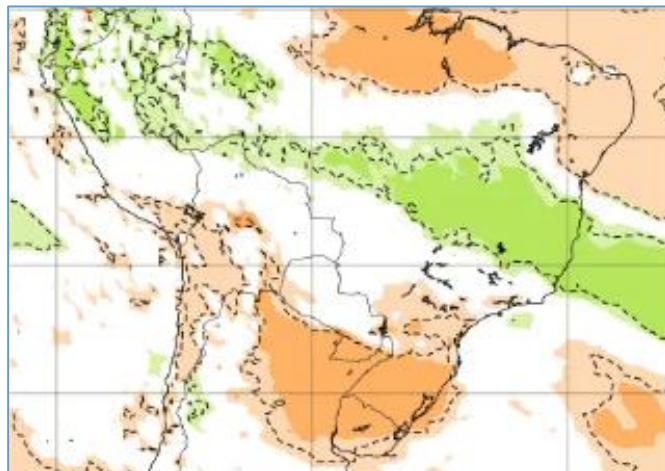
46% MLT Outubro  
33% MLT Novembro

# Tendência 3a e 4a semanas

CFS/NOAA

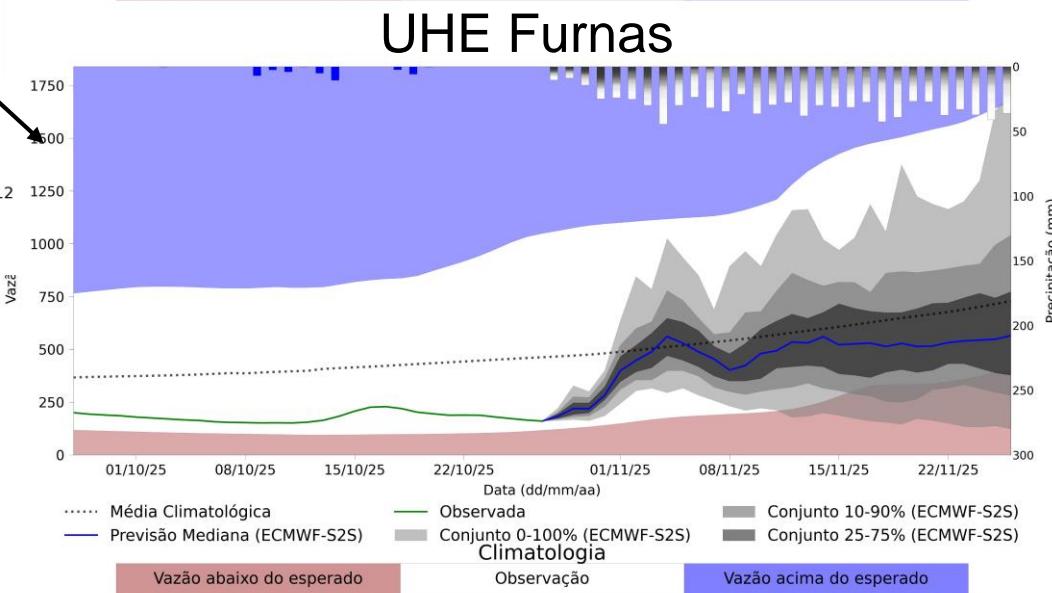
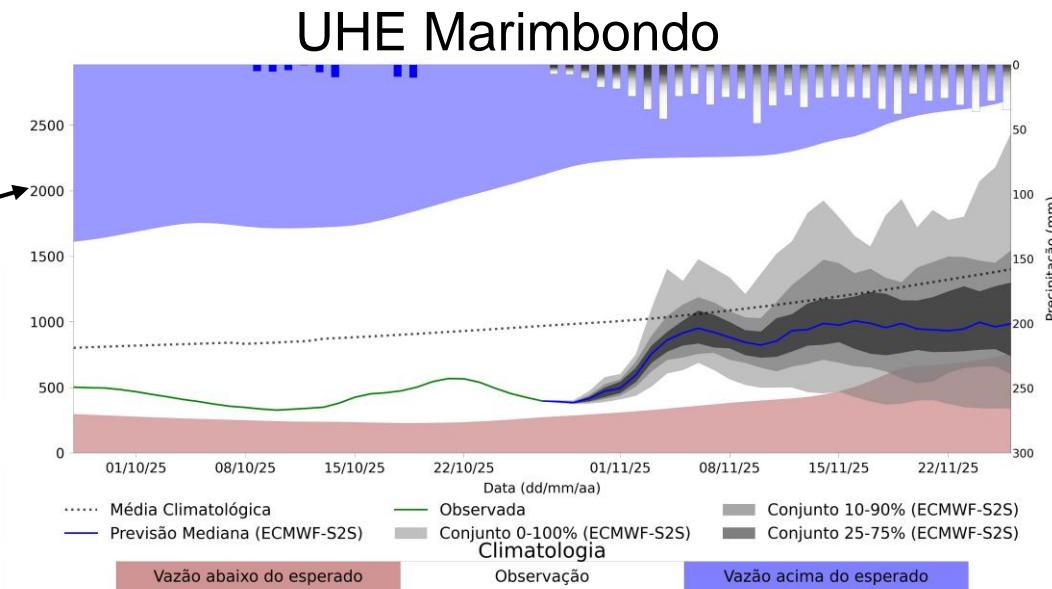
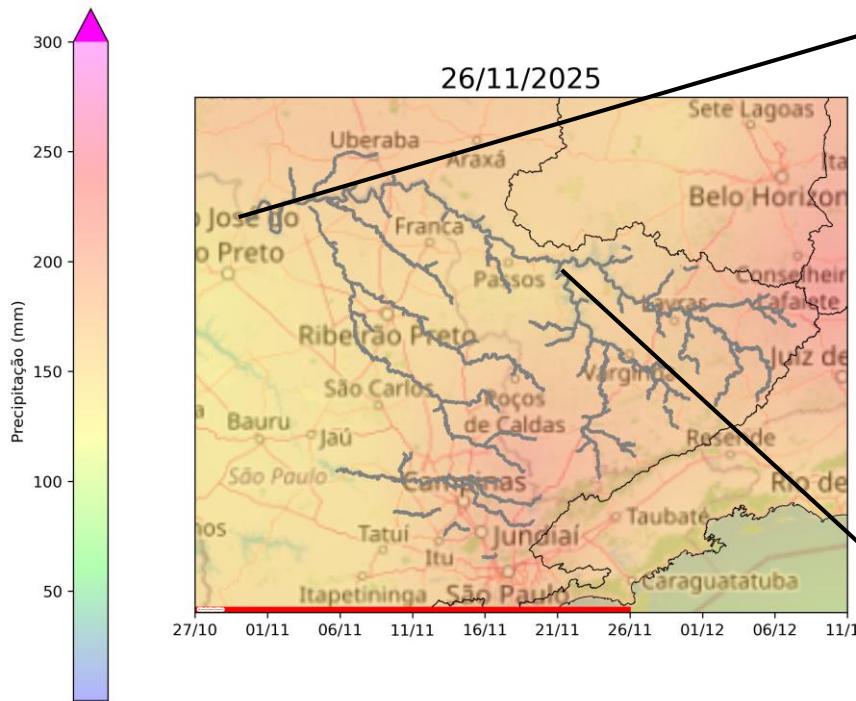


ECMWF



## Previsão de vazão natural na Bacia do Rio Grande

**PREVISÃO: 27/10/25 a 26/11/25**



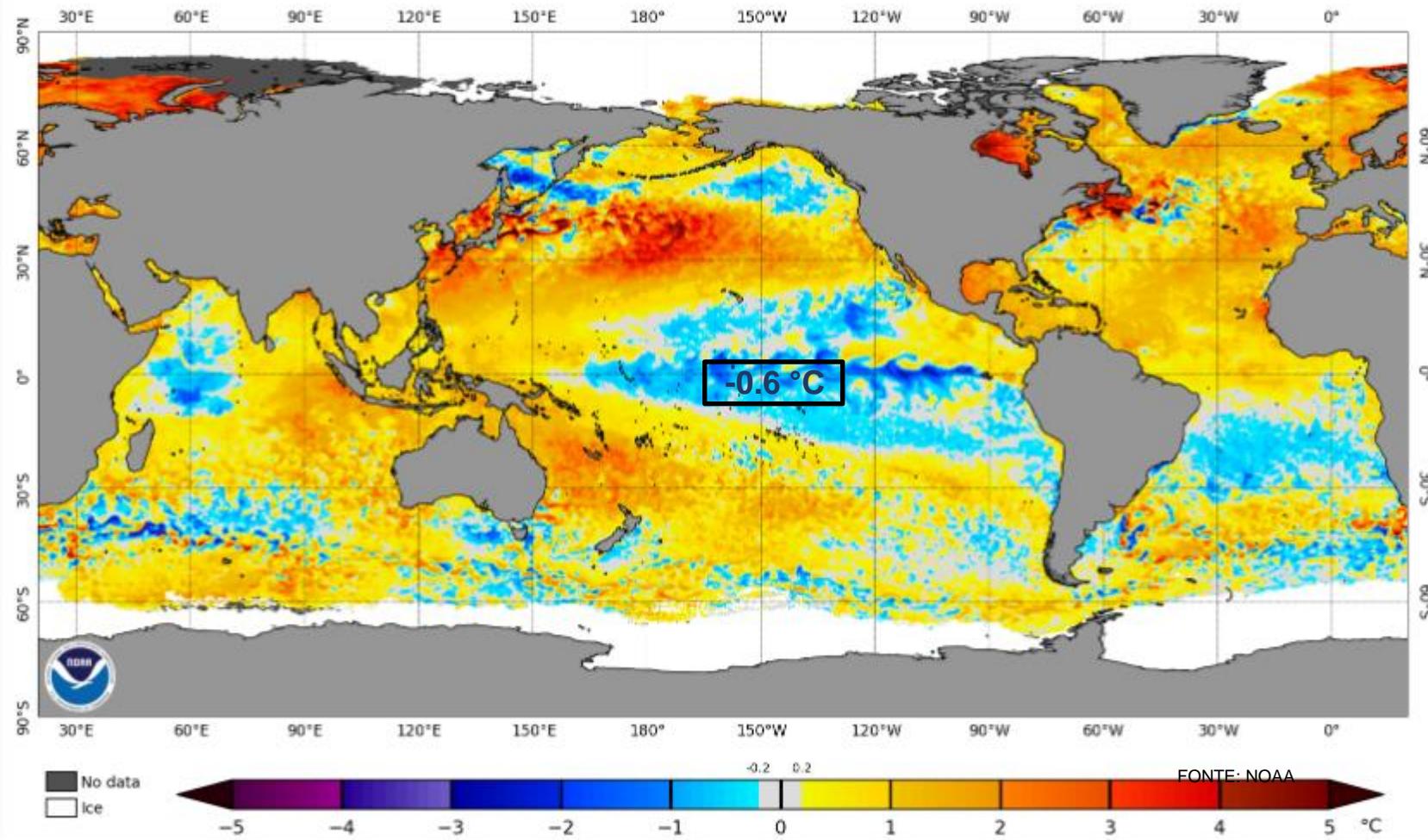
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

MLT: 1993-2024

Previsão Meteorológica: ECMWF-S2S

# Status Atual: La Niña

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 27 Oct 2025



# Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued October 2025)

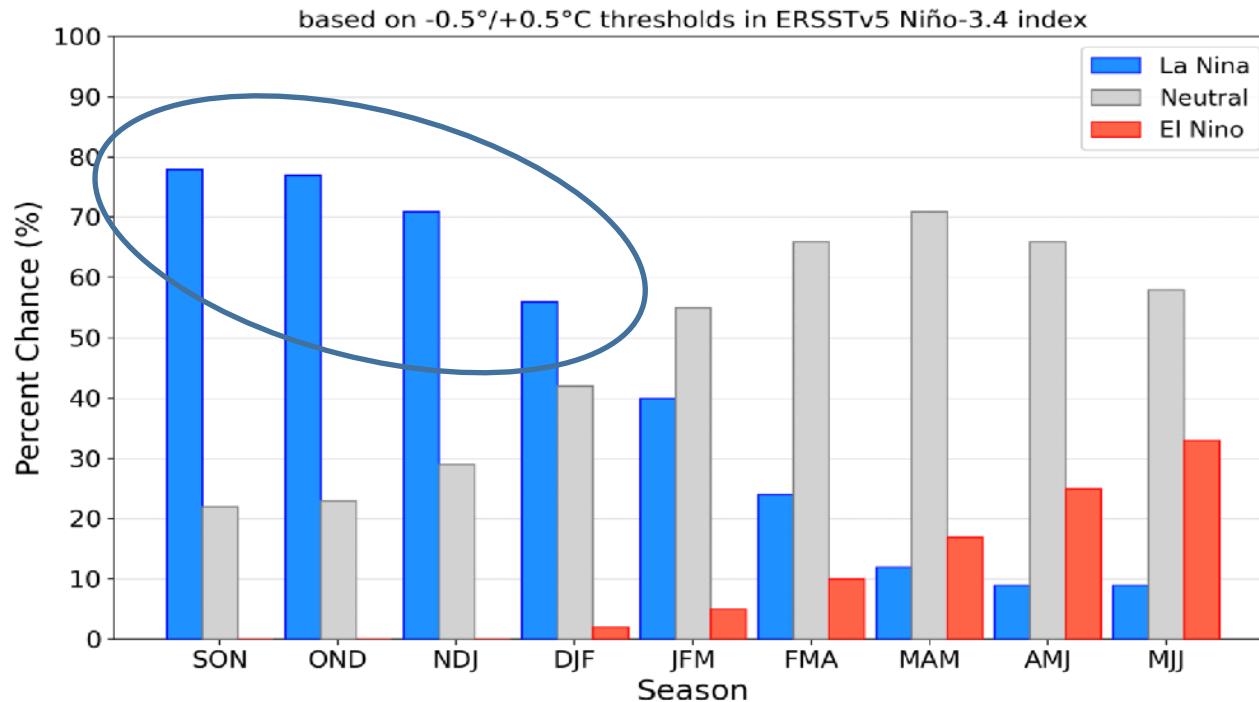
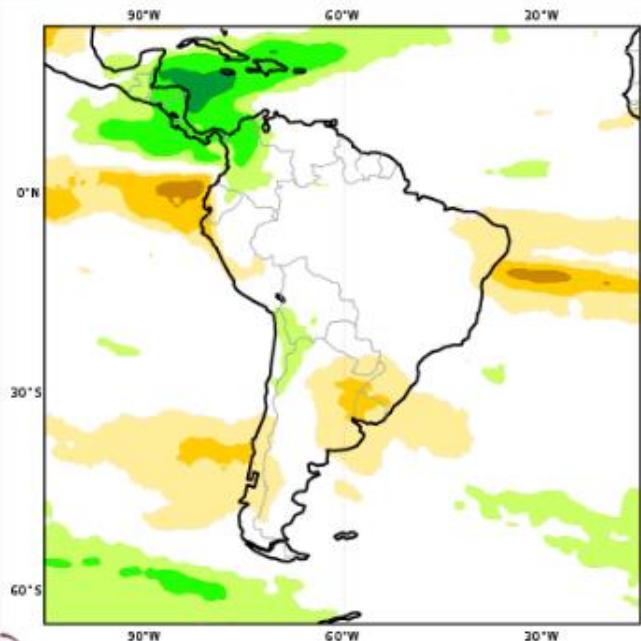


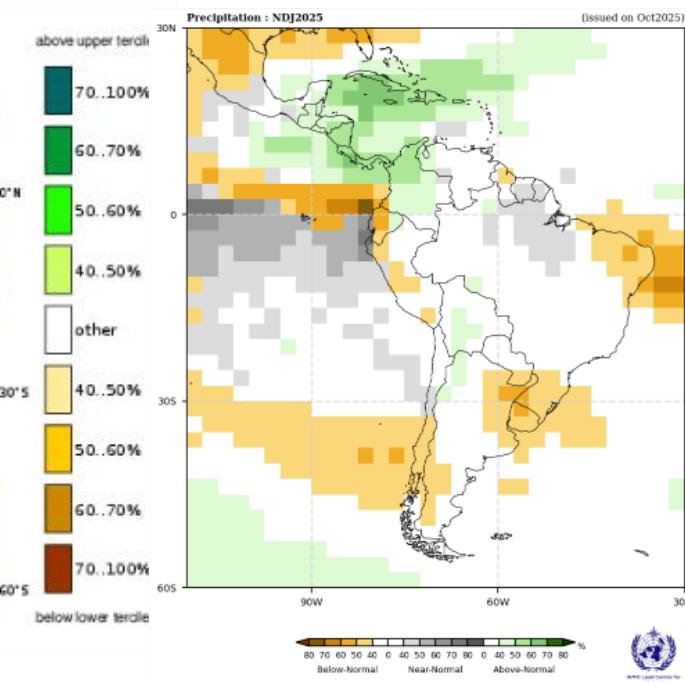
Figure 7. Official ENSO probabilities for the Niño 3.4 sea surface temperature index ( $5^{\circ}\text{N}-5^{\circ}\text{S}$ ,  $120^{\circ}\text{W}-170^{\circ}\text{W}$ ). Figure updated 9 October 2025.

# Previsão Sazonal de Chuva Multi-Modelo

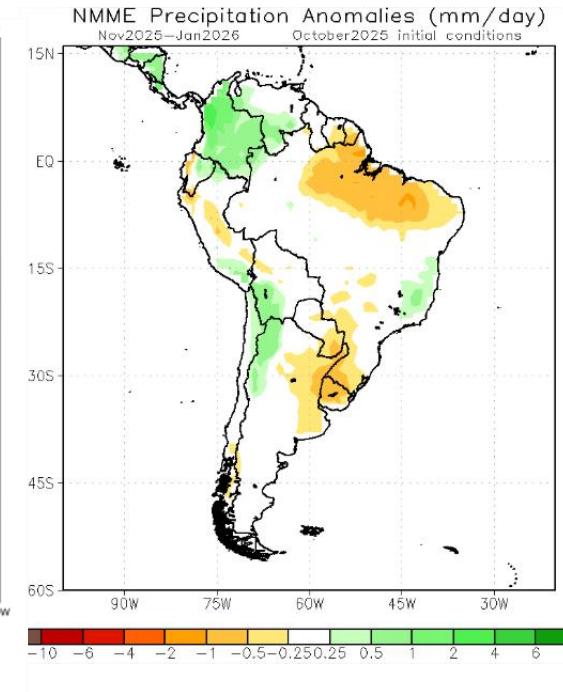
Novembro-Dezembro-Janeiro



Modelos “Europeus”



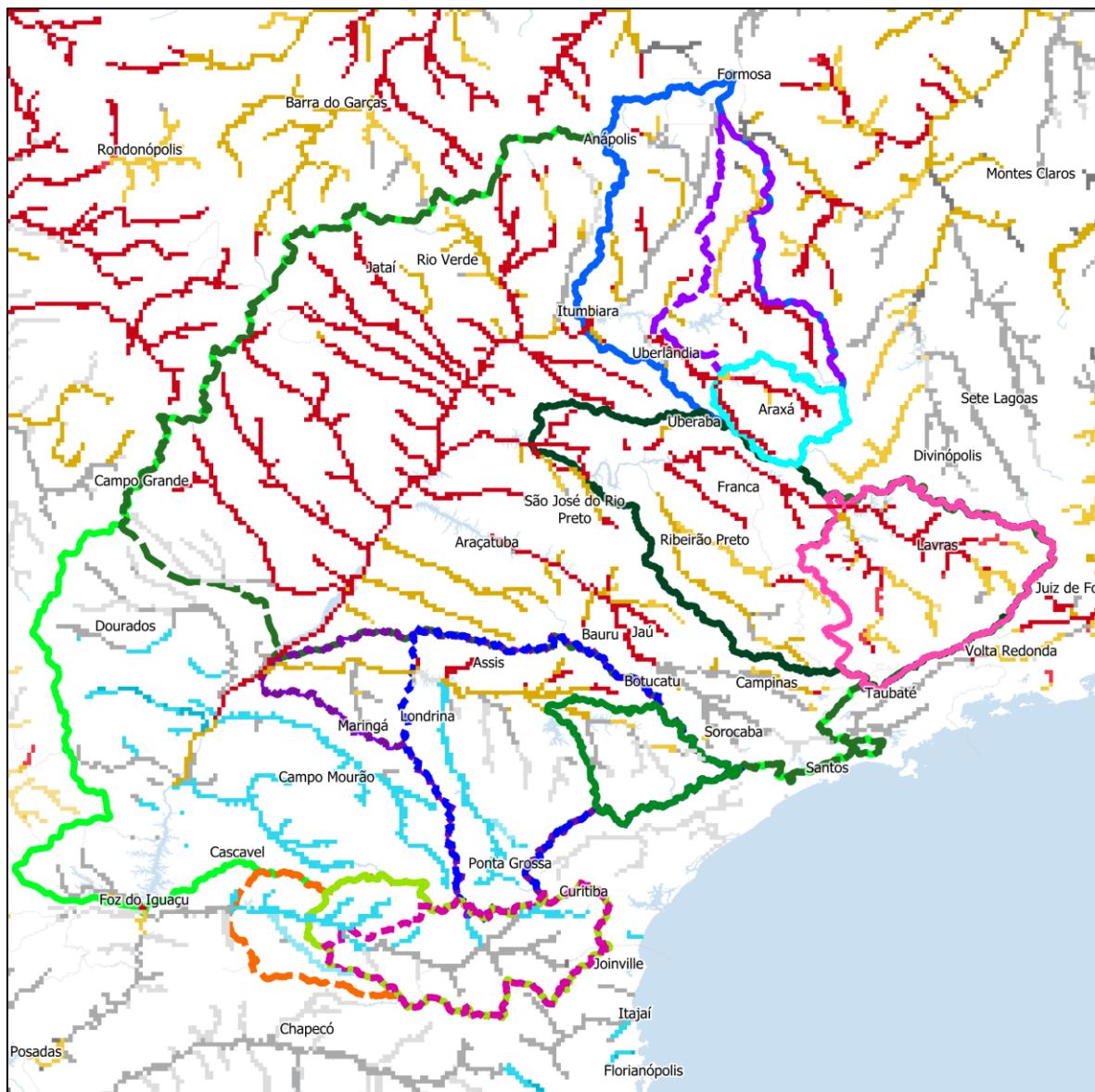
Modelos da WMO



Modelos Norte  
Americanos

# Previsão Sub-sazonal (45 dias) para a Bacia do Paraná (Sistema Global de Previsão de Vazão - GloFAS)

Previsão: 29/10/2025 – 08/12/2025



- 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 para as vazões (percentil)

- Muito abaixo (1-10)
- Abaixo (10-25)
- Próximo da média (25-75)
- Acima (75-90)
- Muito acima (90-100)

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

