

# Monitoramento da bacia do rio Paranapanema

OUTUBRO/2025



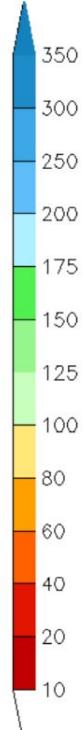
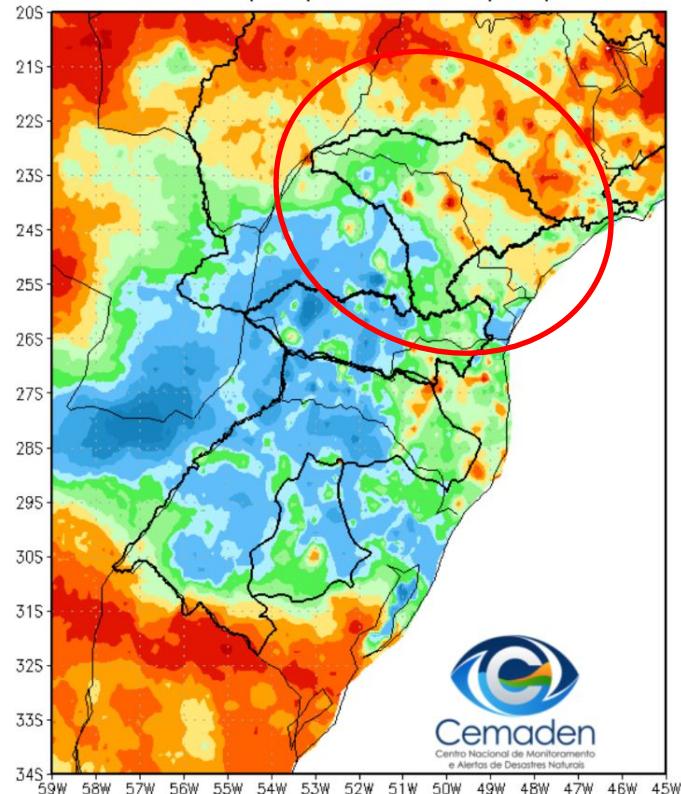
MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA  
E INOVAÇÃO

GOVERNO DO  
**BRASIL**  
DO LADO DO Povo BRASILEIRO

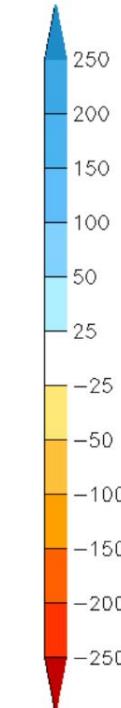
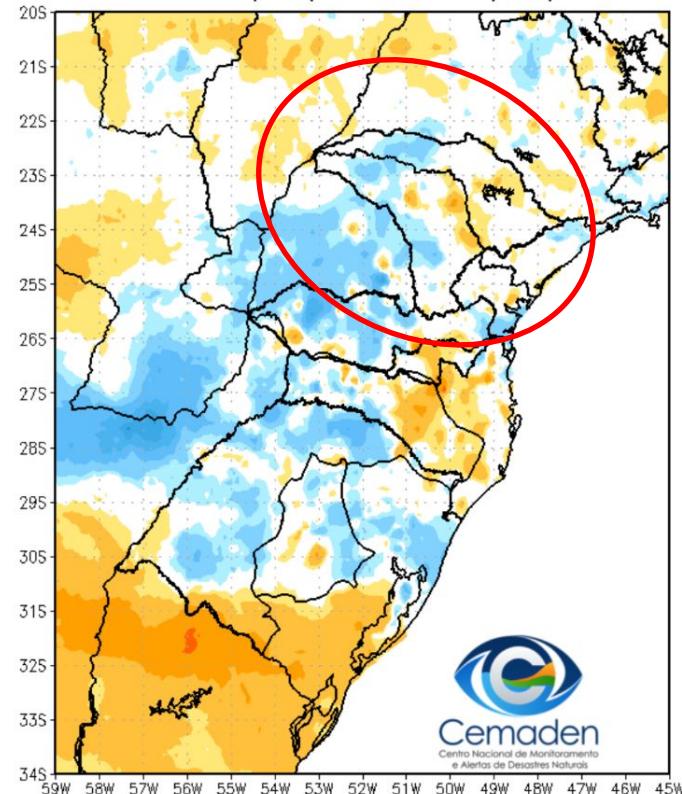


# Precipitação acumulada nos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Periodo: 21/09/2025 a 21/10/2025

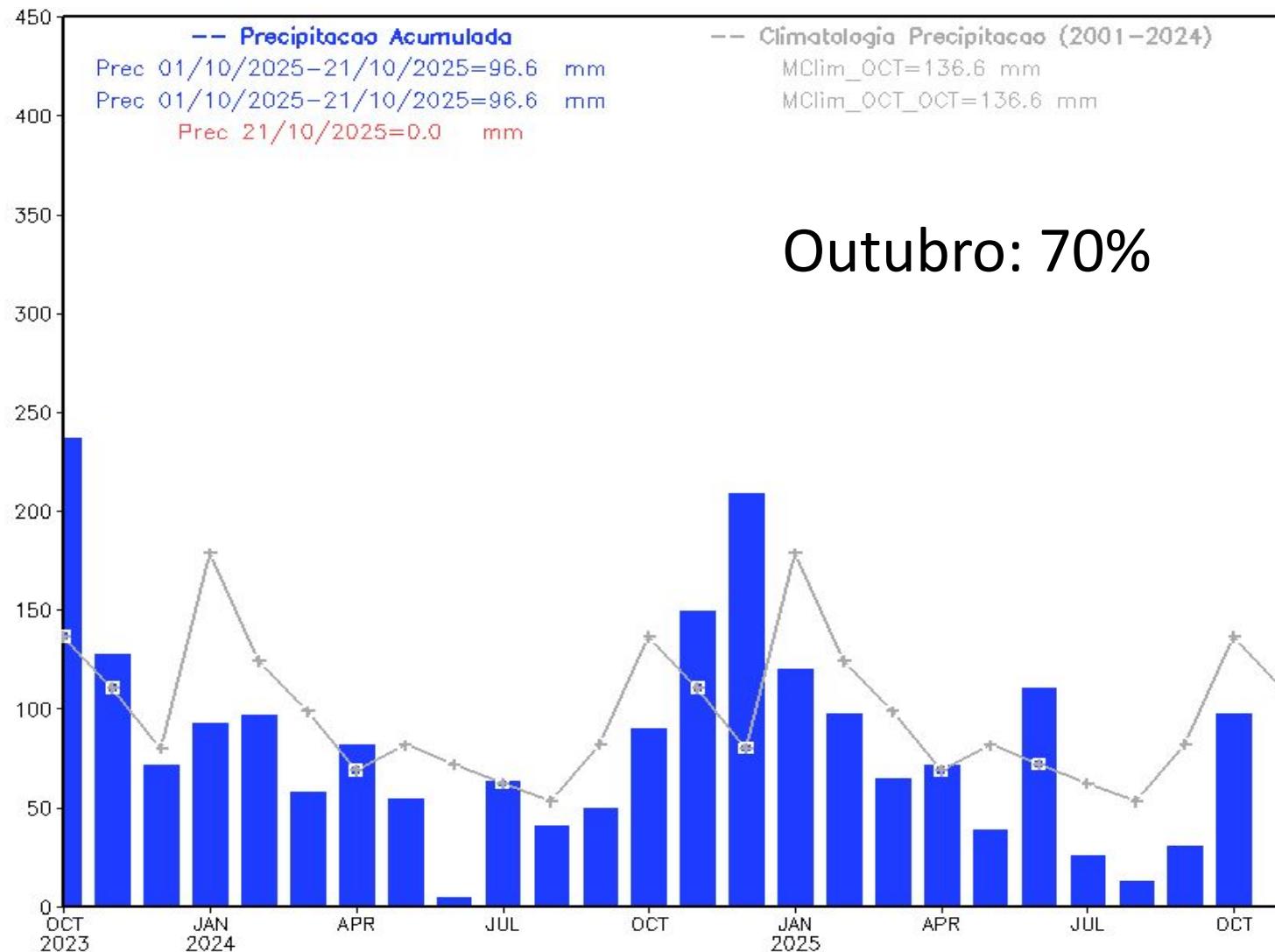


Anomalia de Precipitacao (mm) A.S.  
Periodo: 21/09/2025 a 21/10/2025



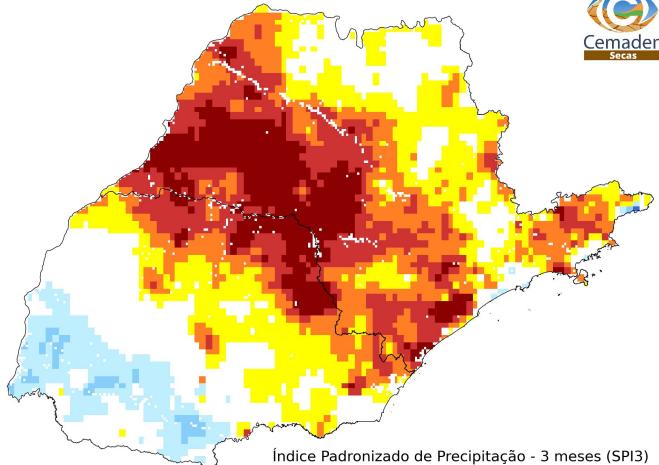
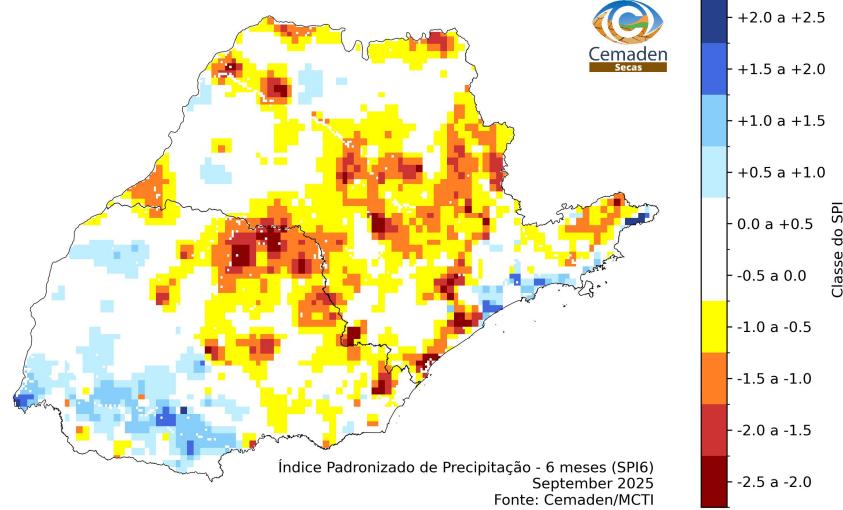
## Evolução Temporal da Precipitação

### Precipitação Bacia do Rio Paranapanema desde OCT 2023



Fonte dos dados: INPE

## SPI: SETEMBRO 2025

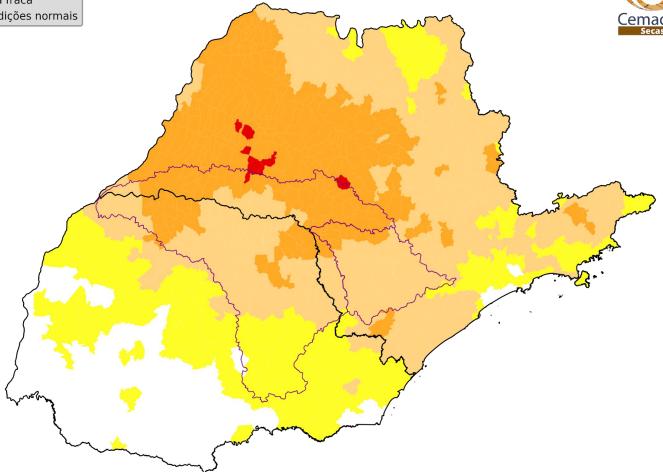
**SPI-03****SPI-06**

# ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

## IIS-03 OBSERVADO

Classes de seca

- Seca excepcional
- Seca extrema
- Seca severa
- Seca moderada
- Seca fraca
- Condições normais



Número de municípios  
em cada classe de seca:

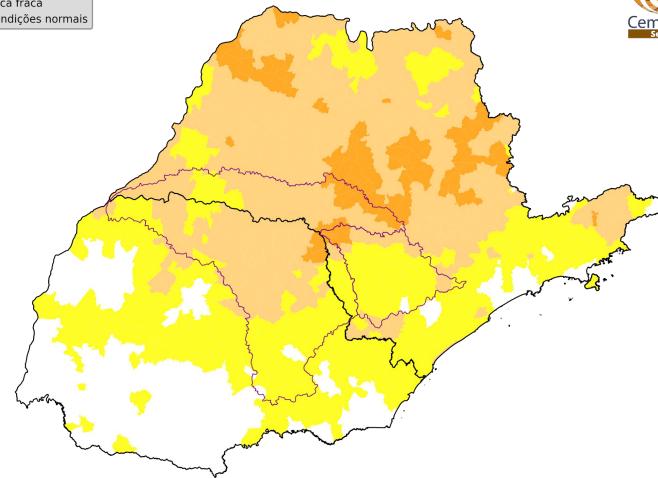
Seca excepcional:	0 (0.0%)
Seca extrema:	3 (1.1%)
Seca severa:	119 (41.8%)
Seca moderada:	136 (47.7%)
Seca fraca:	25 (8.8%)
Condições normais:	2 (0.7%)

Índice Integrado de Seca - 3 meses (IIS3)  
 September 2025  
 Fonte: Cemaden/MCTI

## IIS-06 OBSERVADO

Classes de seca

- Seca excepcional
- Seca extrema
- Seca severa
- Seca moderada
- Seca fraca
- Condições normais

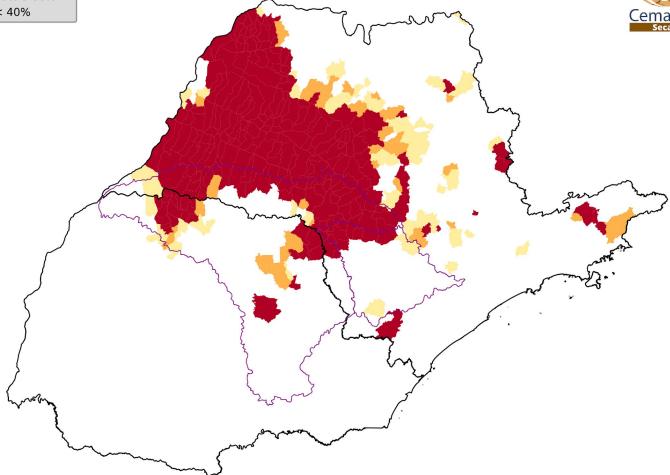
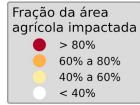


Número de municípios  
em cada classe de seca:

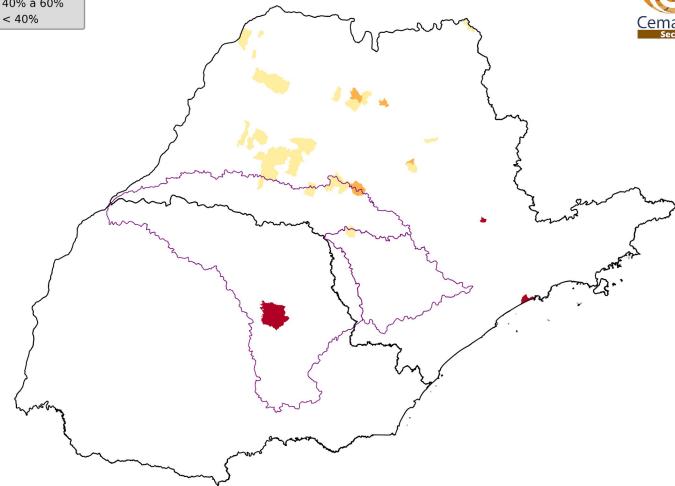
Seca excepcional:	0 (0.0%)
Seca extrema:	0 (0.0%)
Seca severa:	33 (11.6%)
Seca moderada:	156 (54.7%)
Seca fraca:	90 (31.6%)
Condições normais:	6 (2.1%)

Índice Integrado de Seca - 6 meses (IIS6)  
 September 2025  
 Fonte: Cemaden/MCTI

## ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

**SETEMBRO**

Área agro-pastoril municipal afetada pela seca  
September 2025  
Fonte: Cemaden/MCTI

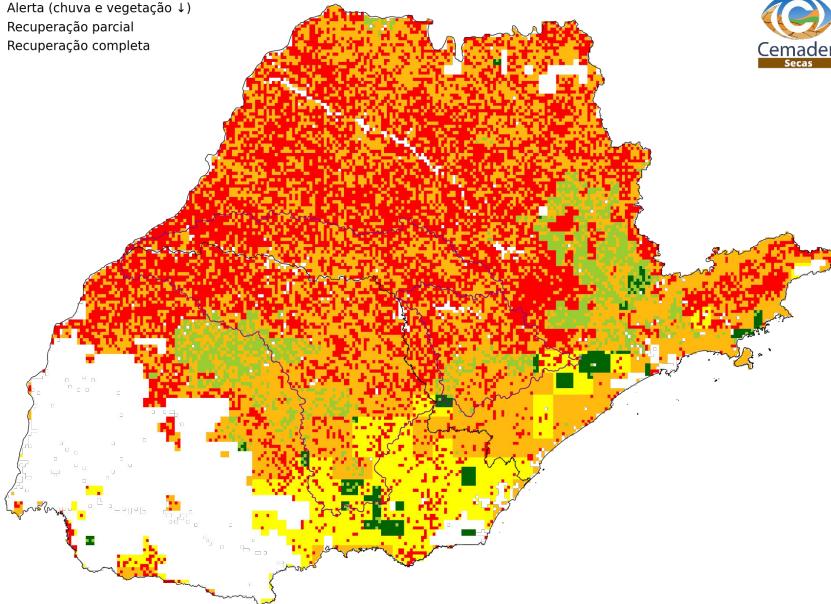
**OUTUBRO PREVISÃO**

Área agro-pastoril municipal afetada pela seca - previsão  
October 2025  
Fonte: Cemaden/MCTI

## PROGRESSÃO DAS CONDIÇÕES DE SECA (PCS)

Progressão da seca

- Condição normal
- Observação (chuva ↓)
- Atenção (chuva e umid. solo ↓)
- Alerta (chuva e vegetação ↓)
- Recuperação parcial
- Recuperação completa

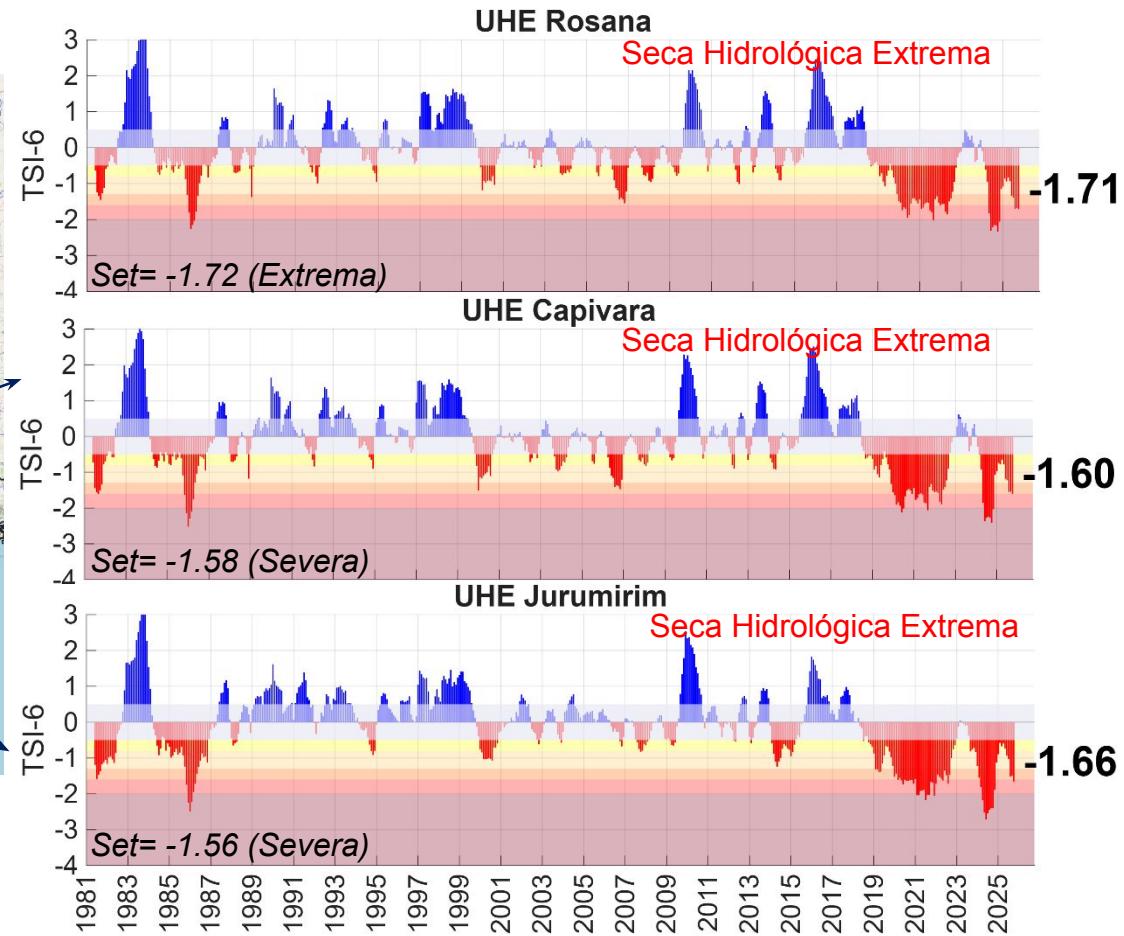
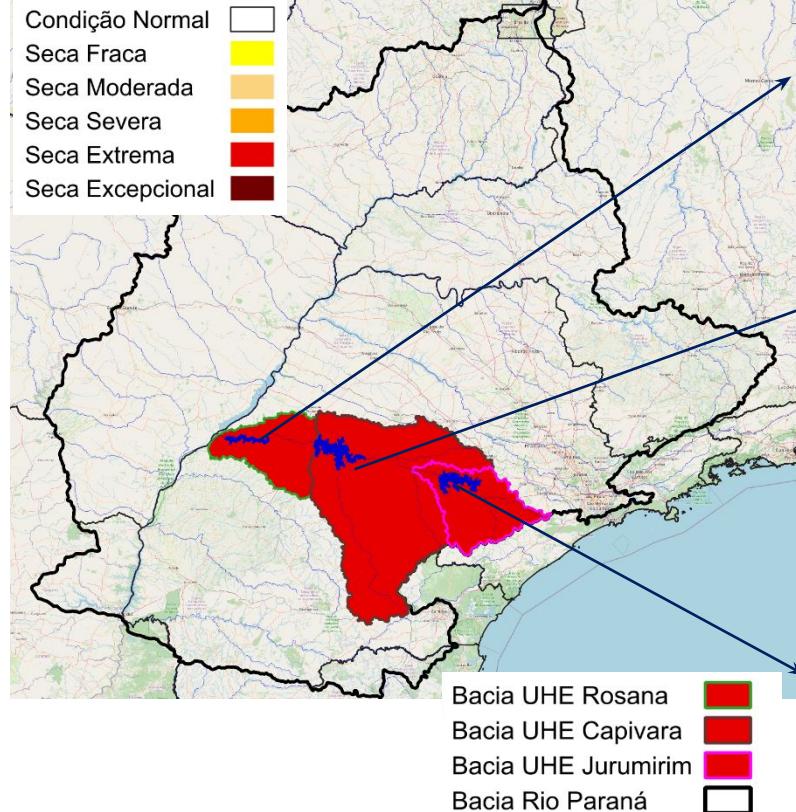


Progressão e Intensificação das Condições de Seca (PICS)  
September 2025  
Fonte: Cemaden/MCTI

# Índice Bivariado de Seca (Precipitação-Vazão) - TSI

## Escala de Longo Prazo: TSI-6 meses

Out/2025 - Parcial



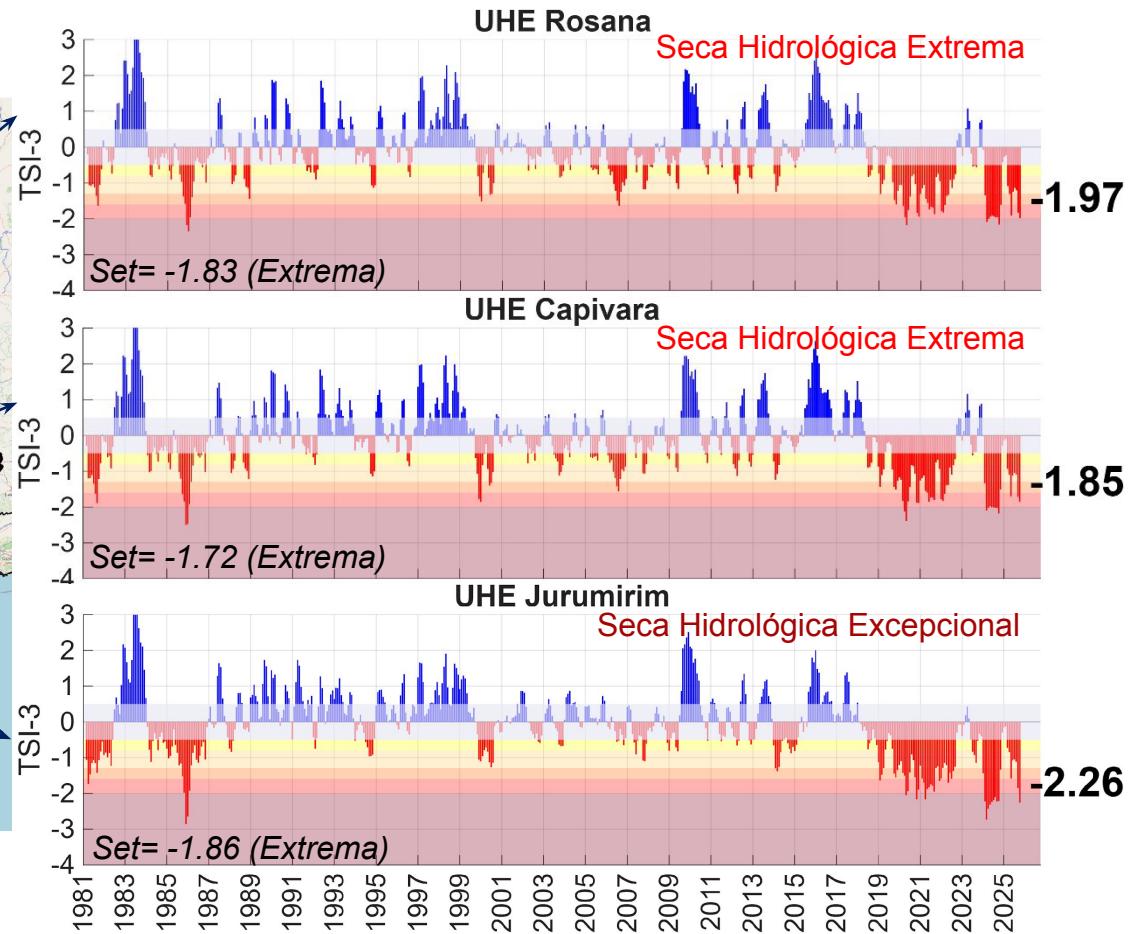
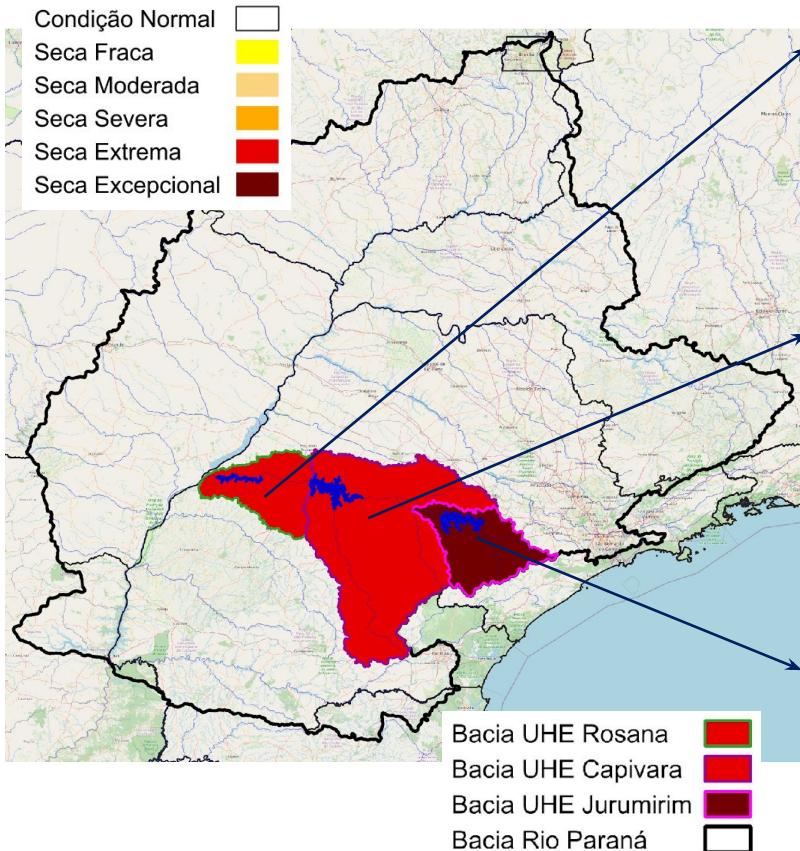
Fonte: CEMADEN

Dados: Precipitação (Cemaden/INMET/CHIRPS) e  
Vazão (ONS/ANA) - Jan/1981-Out/2025.

# Índice Bivariado de Seca (Precipitação-Vazão) - TSI

## Escala de Curto Prazo: TSI-3 meses

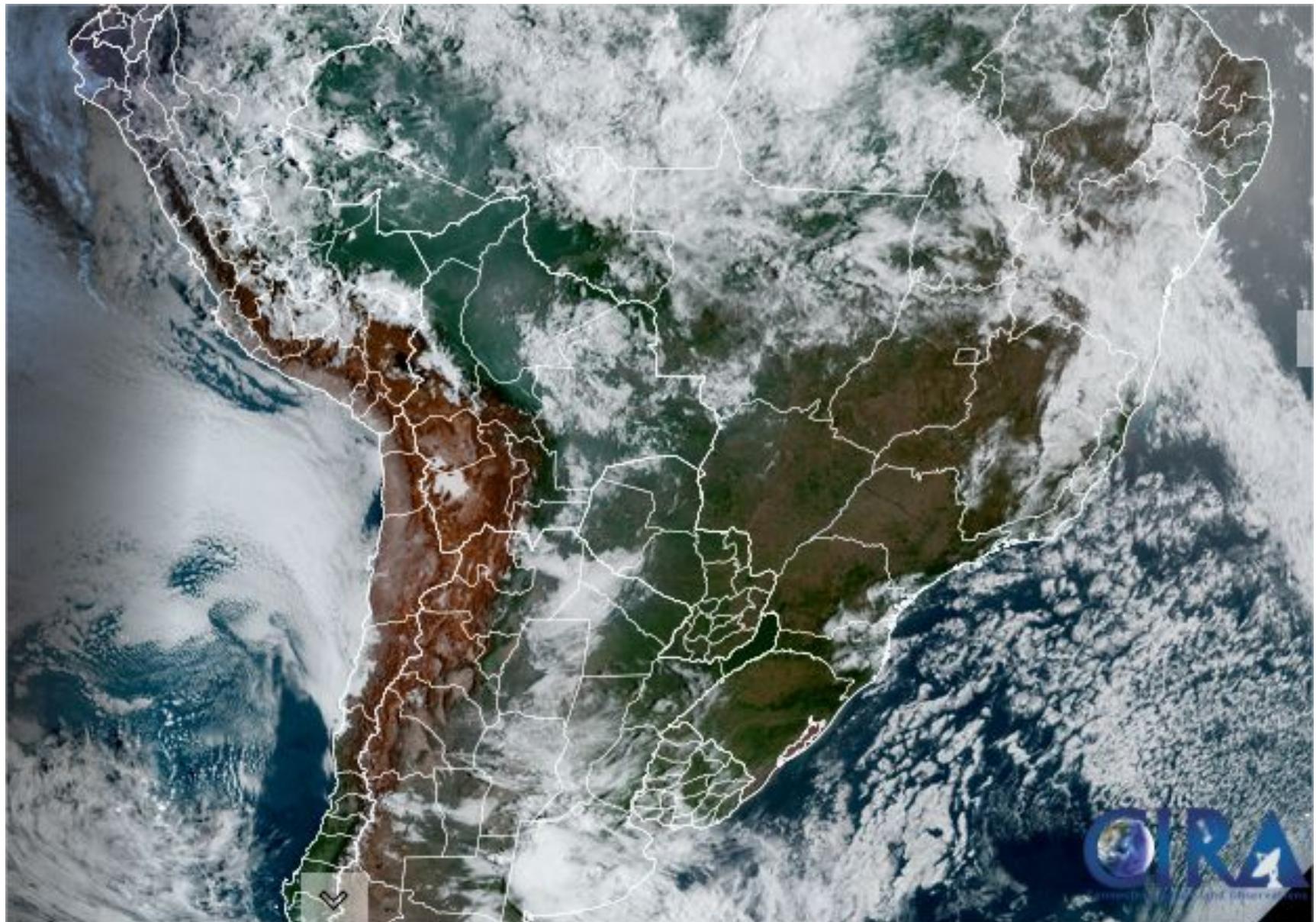
Out/2025 - Parcial



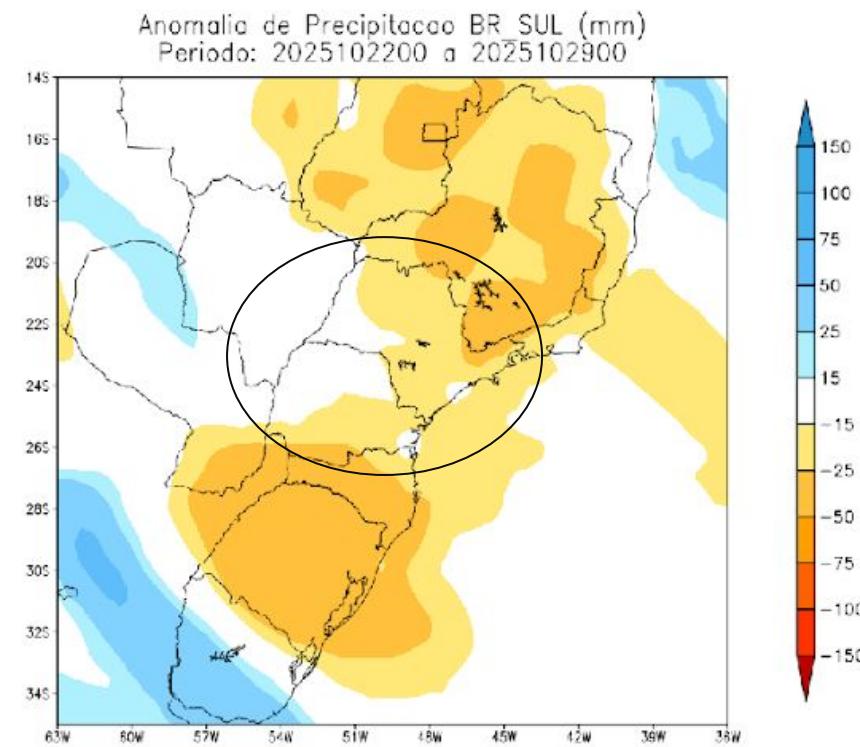
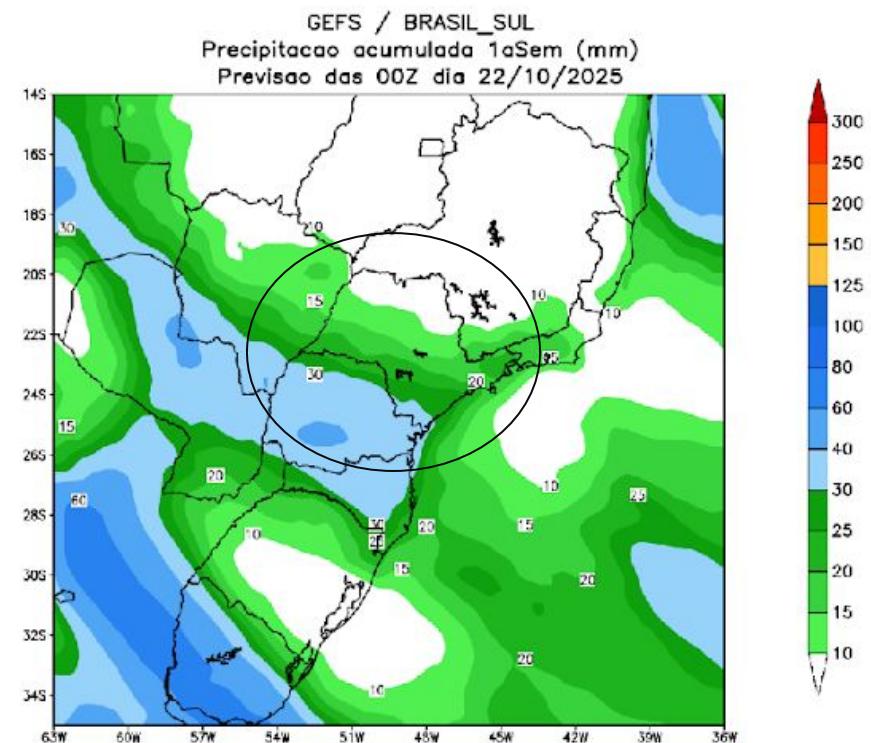
Fonte: CEMADEN

Dados: Precipitação (Cemaden/INMET/CHIRPS) e  
Vazão (ONS/ANA) - Jan/1981-Out/2025.

# Situação meteorológica atual

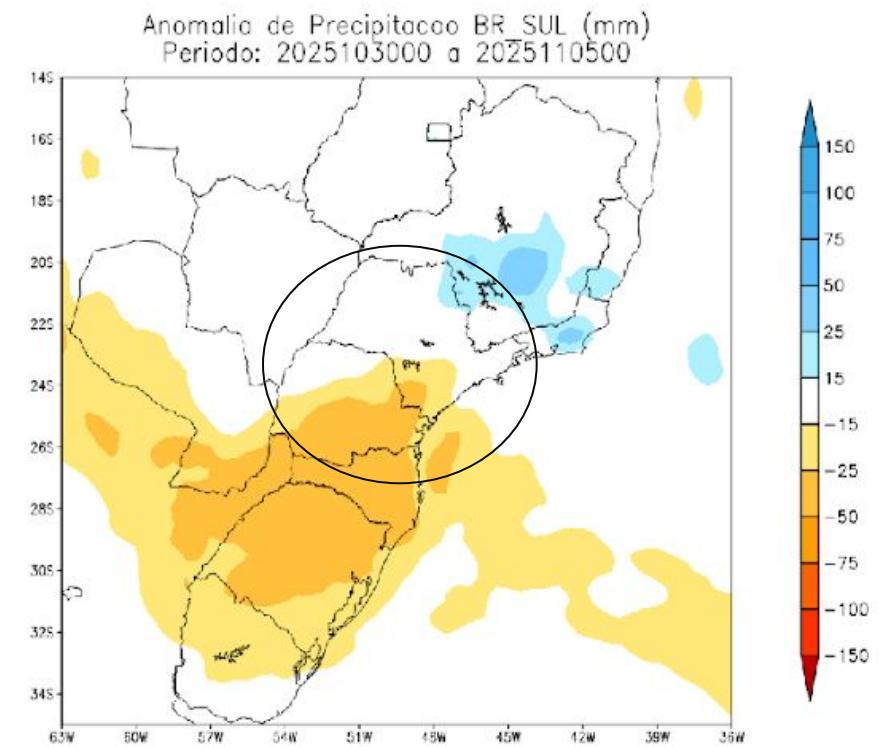
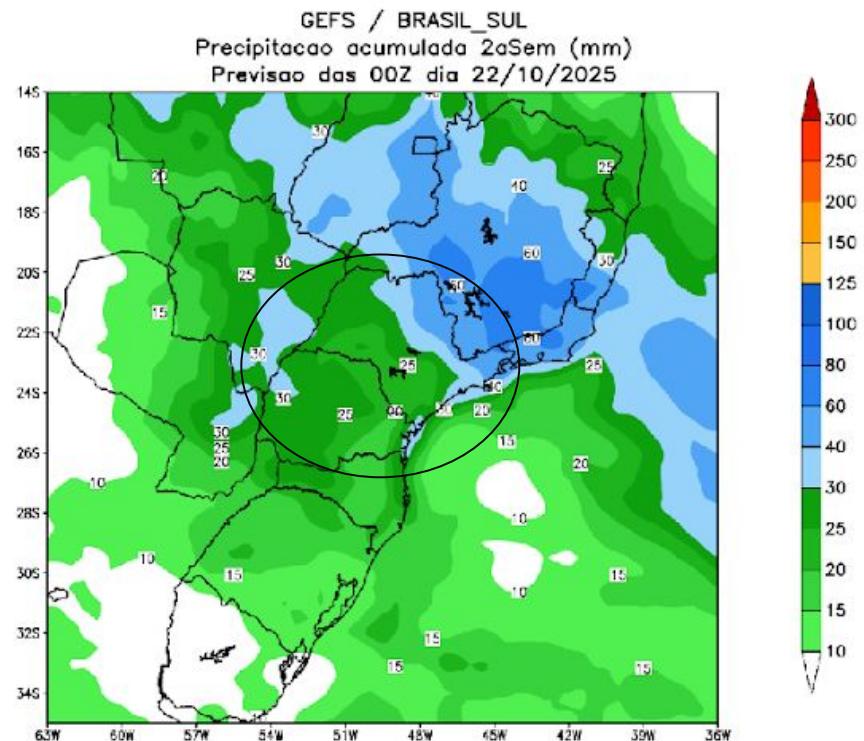


# Previsão de chuva próximos 7 dias



MODELO GEFS

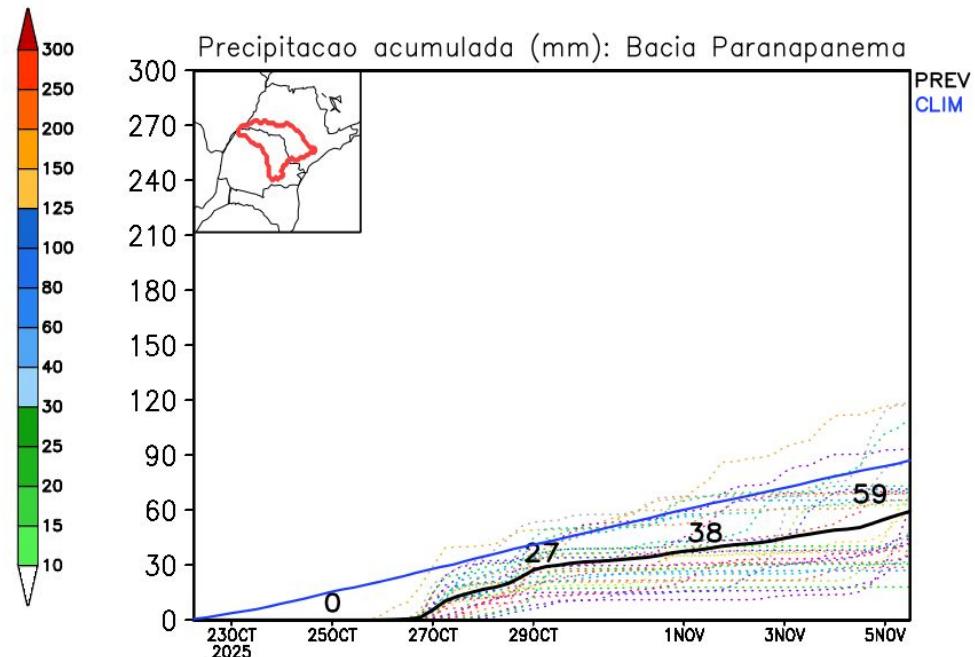
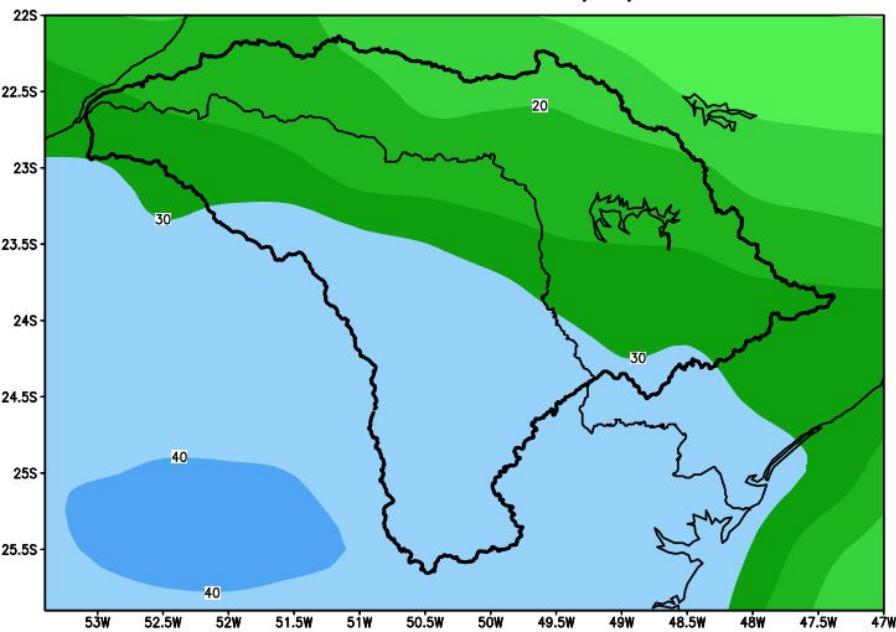
## Tendência para a segunda semana



## MODELO GEFS

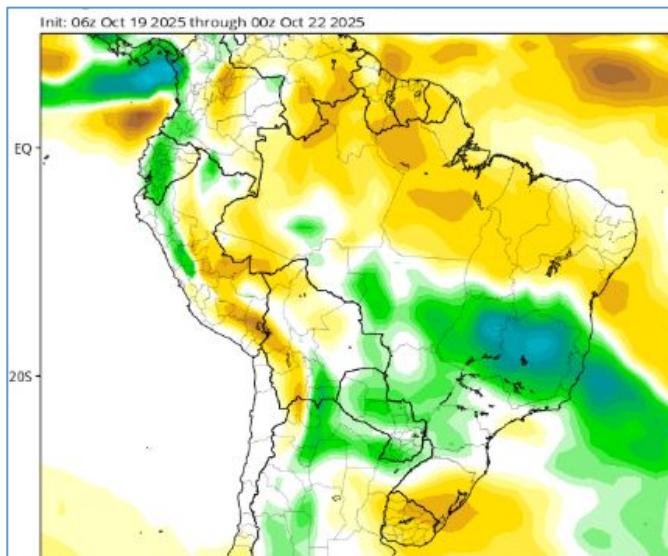
# Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 22/10/2025



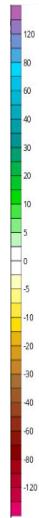
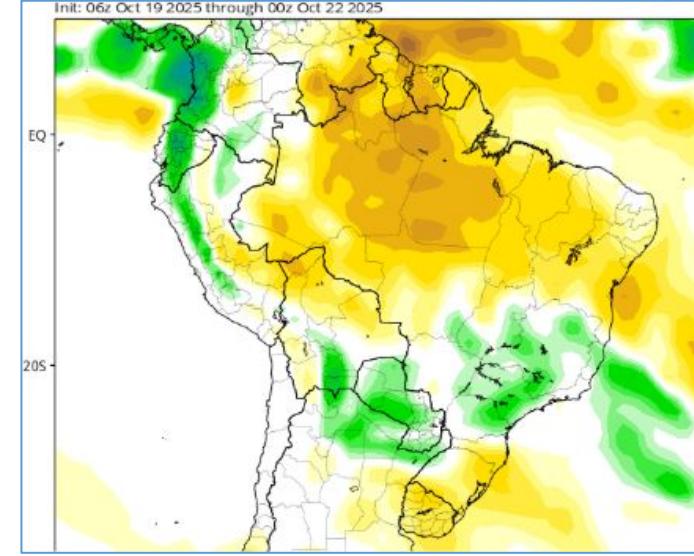
# Tendência 3a e 4a semanas

05-12 Nov

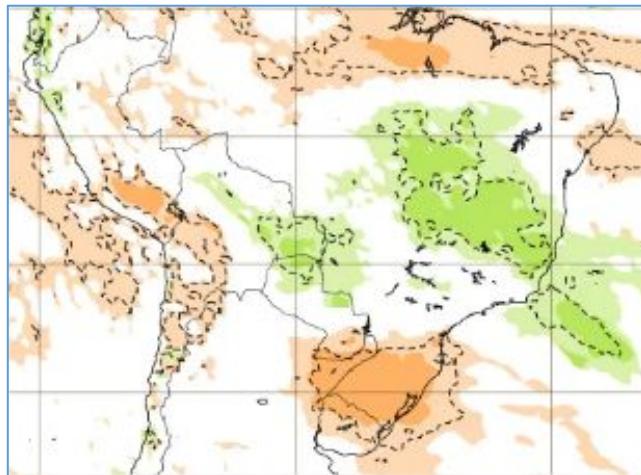


CFS/NOAA

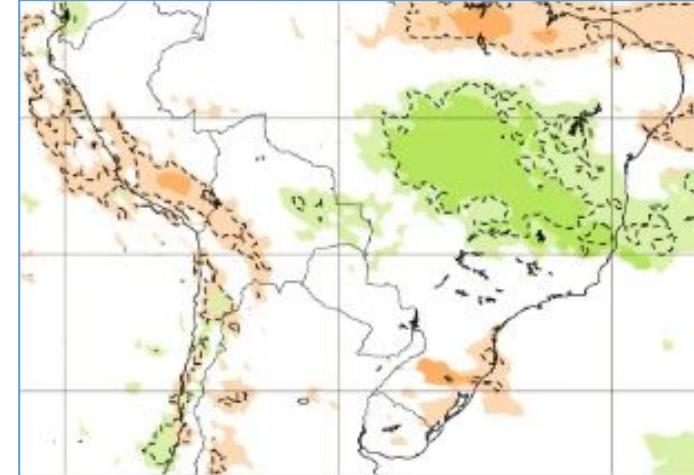
12-19 Nov



ECMWF



10-17 Nov



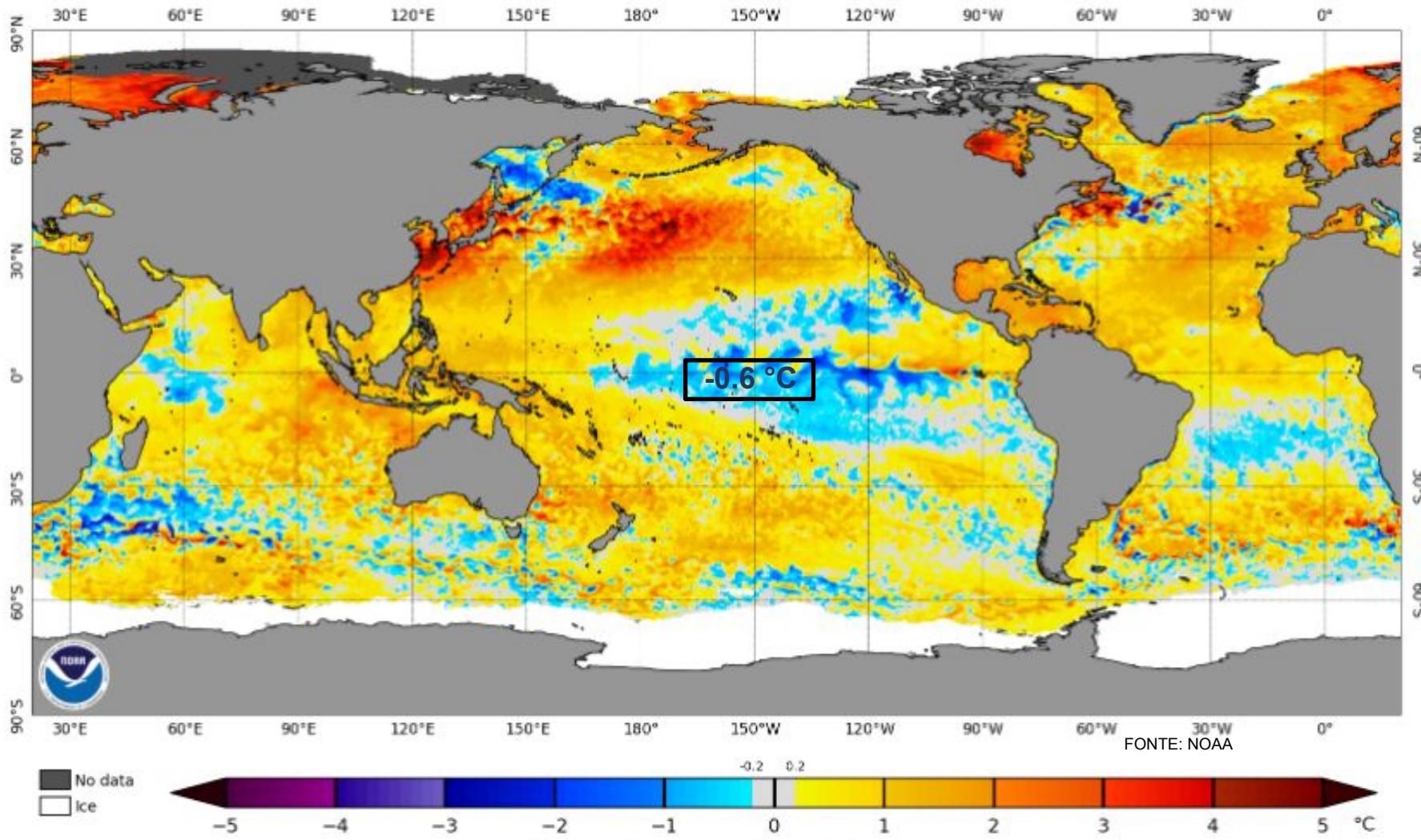
17-24 Nov

Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)

A horizontal color bar scale for precipitation anomalies, ranging from -90 to 90 mm. The scale is non-linear, with more discrete steps for negative values and a continuous gradient for positive values. Major ticks are labeled at -90, -60, -30, -10, 0, 10, 30, 60, 90, and >90.

# Status Atual: La Niña

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 20 Oct 2025



# Previsão do “ENSO”

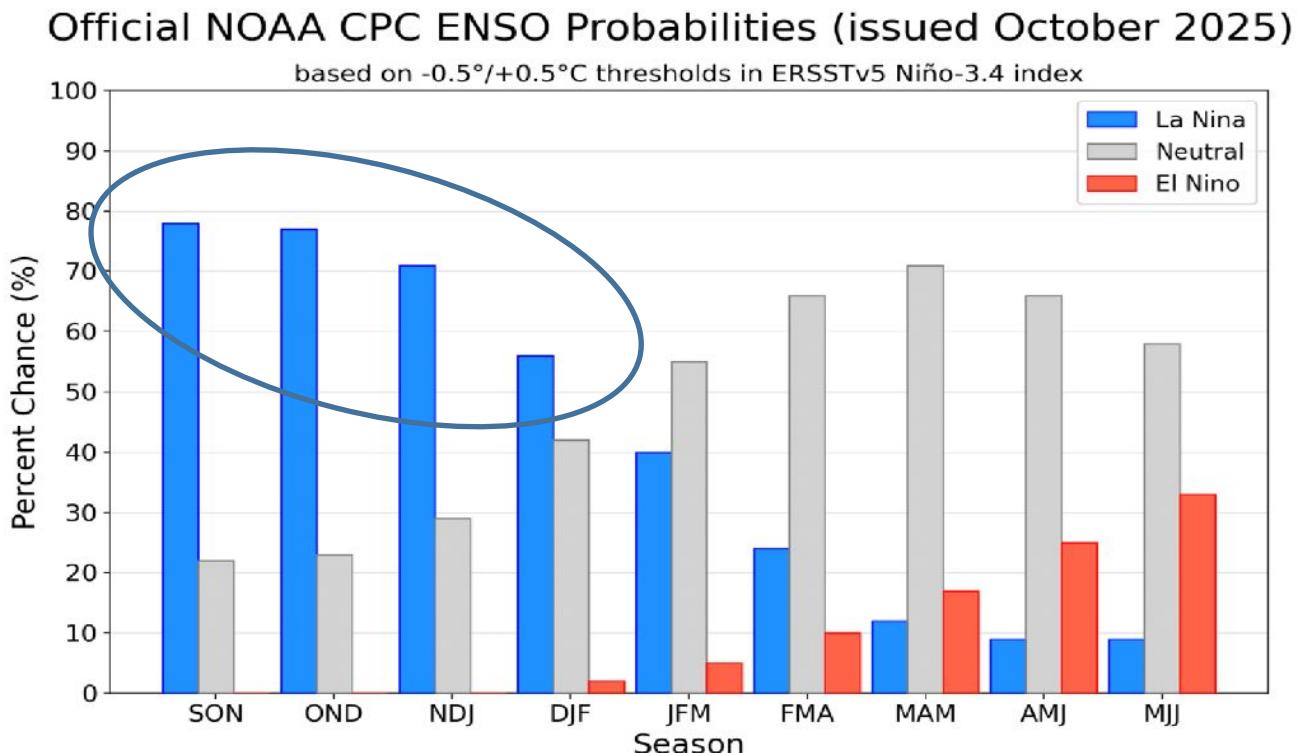
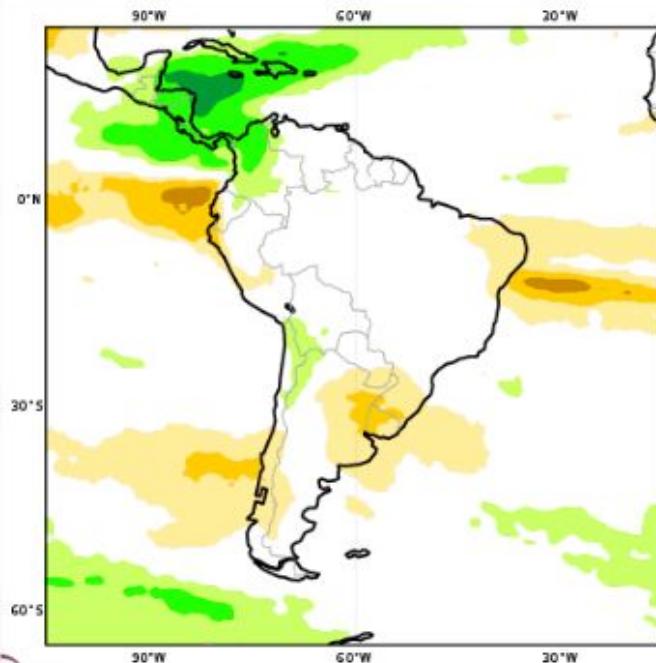


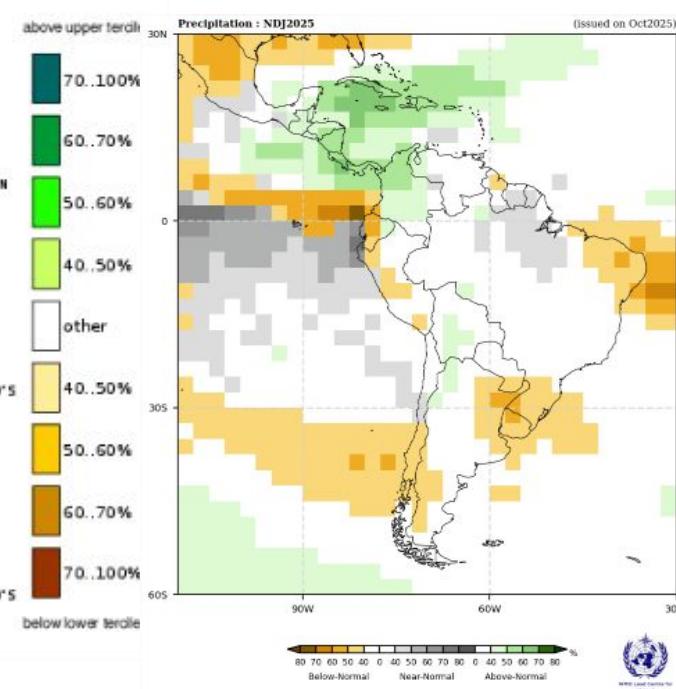
Figure 7. Official ENSO probabilities for the Niño 3.4 sea surface temperature index ( $5^{\circ}\text{N}-5^{\circ}\text{S}$ ,  $120^{\circ}\text{W}-170^{\circ}\text{W}$ ). Figure updated 9 October 2025.

# Previsão Sazonal de Chuva Multi-Modelo

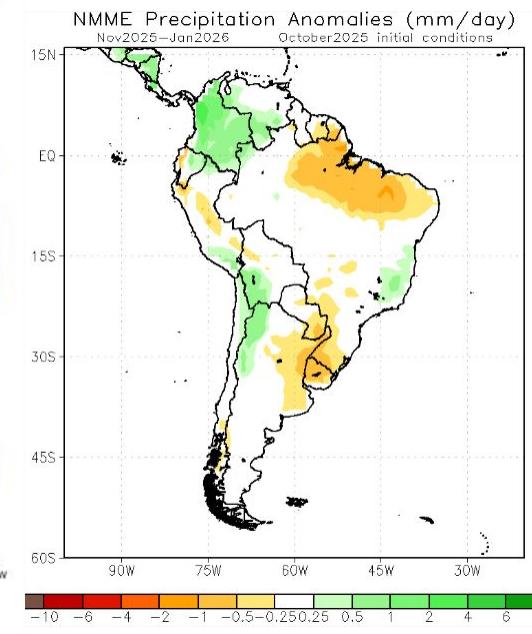
Novembro-Dezembro-Janeiro



Modelos “Europeus”



Modelos da WMO



Modelos Norte  
Americanos