

Monitoramento da bacia do rio Paranapanema

DEZEMBRO/2025

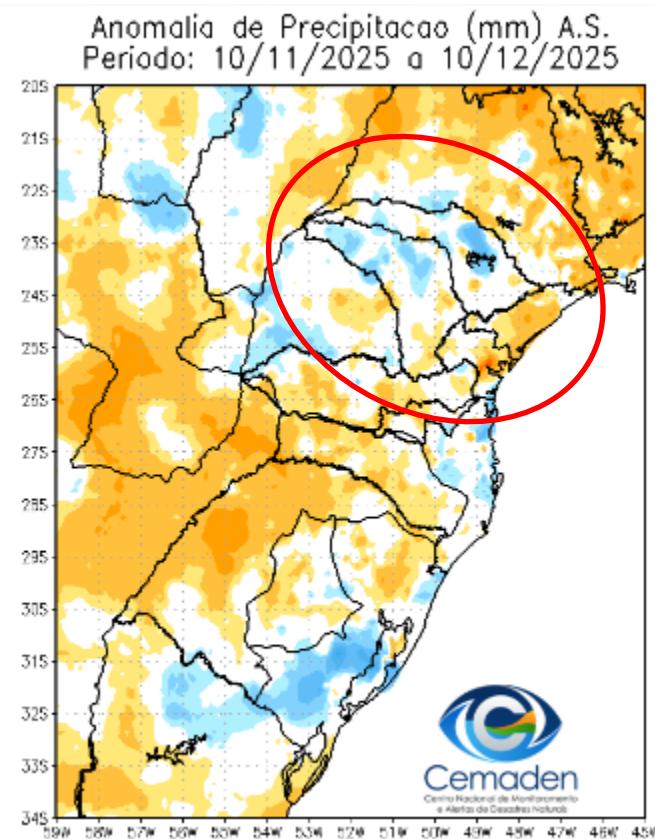
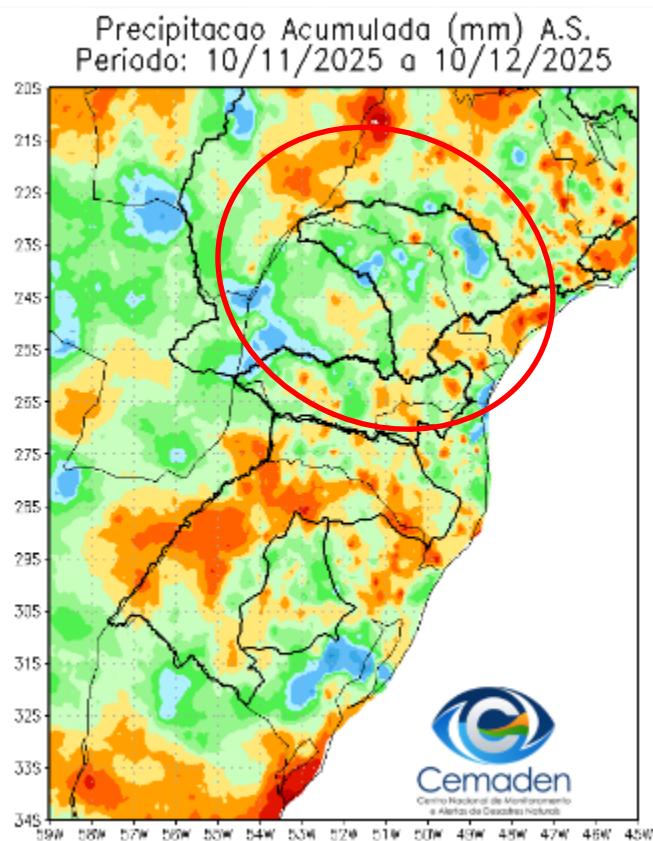


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

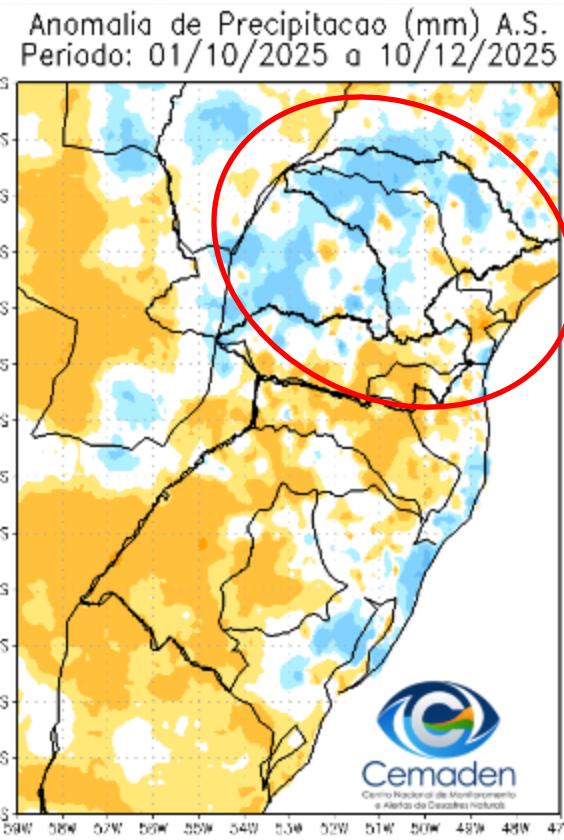
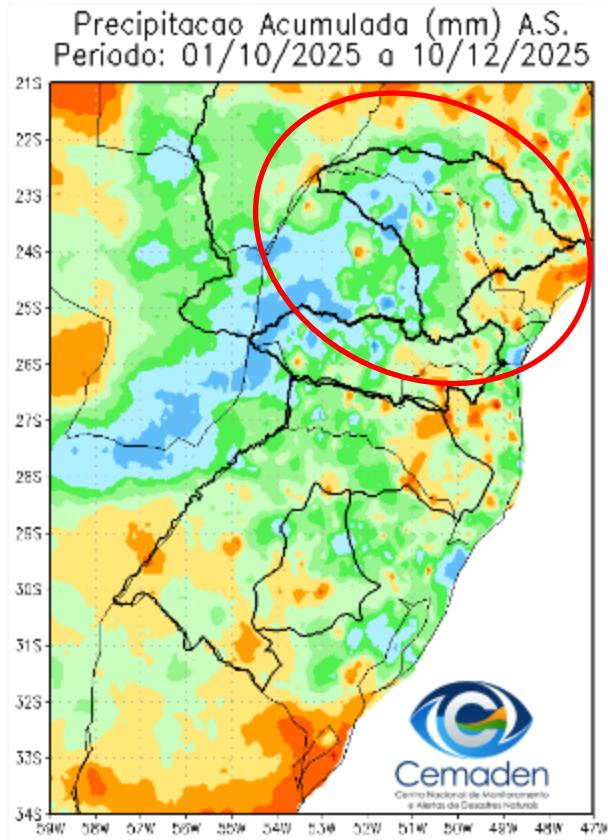
GOVERNO DO
BRASIL
DO LADO DO Povo BRASILEIRO



Precipitação acumulada nos últimos 30 dias

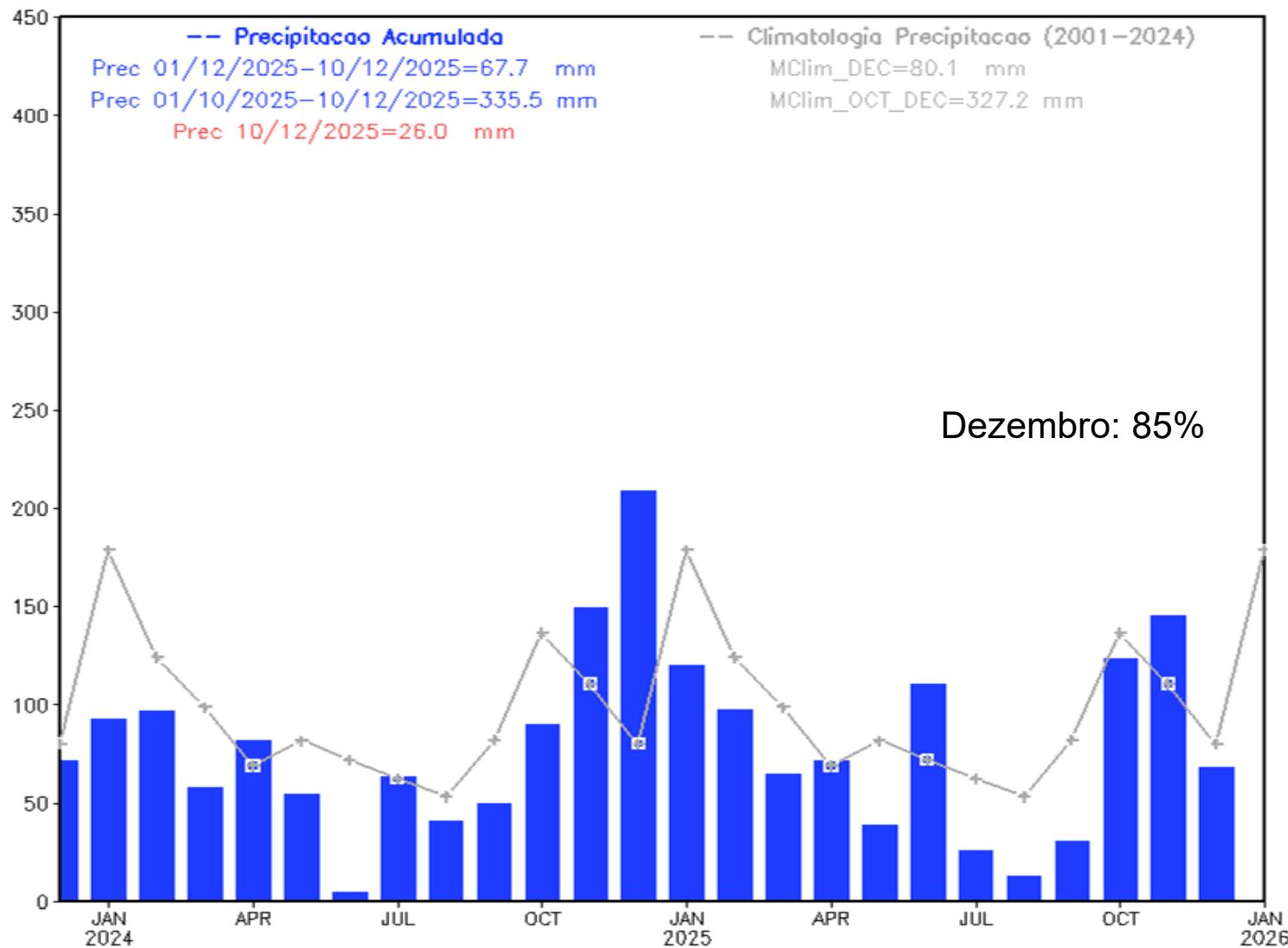


Precipitação no Ano Hidrológico

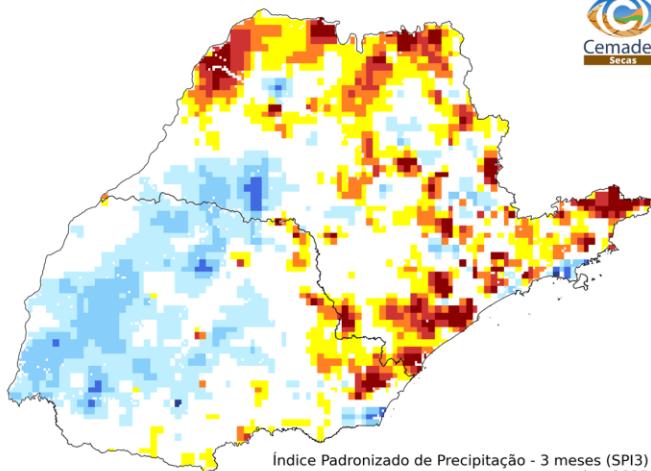
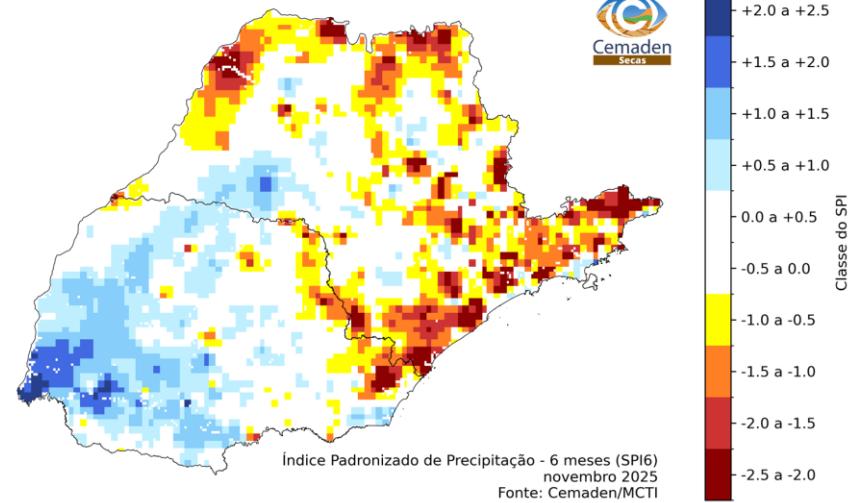


Evolução Temporal da Precipitação

Precipitação Bacia do Rio Paranapanema desde DEC 2023

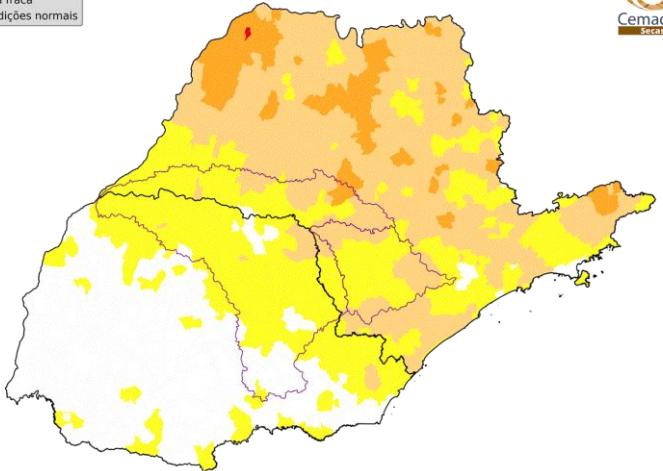


SPI: NOVEMBRO 2025

SPI-03**SPI-06**

ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

IIS-03 OBSERVADO

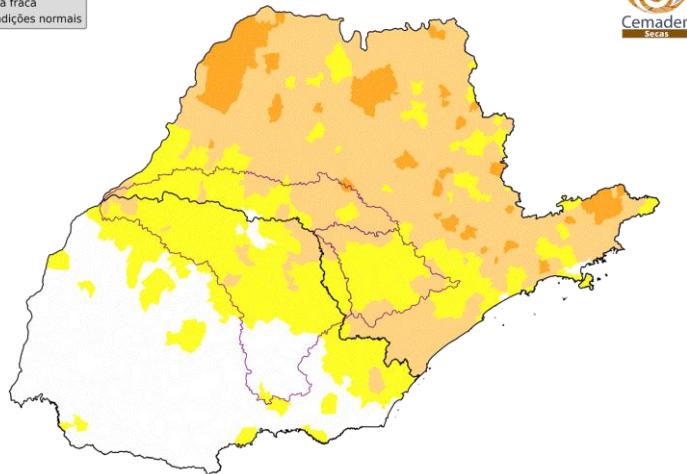


Número de municípios
segundo classes de seca:

Seca excepcional:	0 (0.0%)
Seca extrema:	0 (0.0%)
Seca severa:	3 (1.1%)
Seca moderada:	80 (28.1%)
Seca fraca:	175 (61.4%)
Condições normais:	27 (9.5%)

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

IIS-06 OBSERVADO



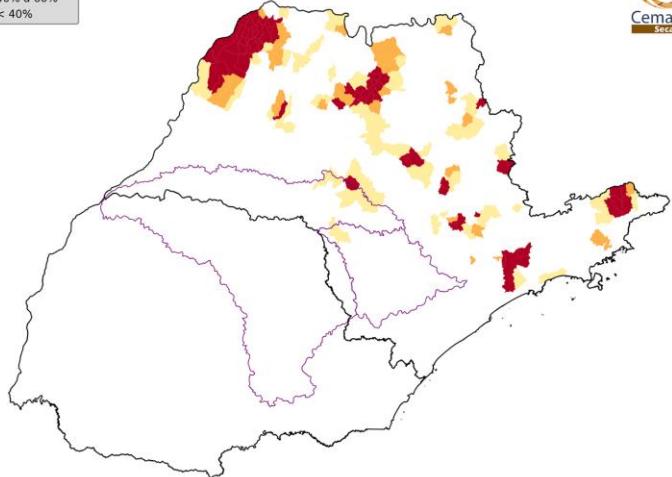
Número de municípios
segundo classes de seca:

Seca excepcional:	0 (0.0%)
Seca extrema:	0 (0.0%)
Seca severa:	1 (0.4%)
Seca moderada:	96 (33.7%)
Seca fraca:	165 (57.9%)
Condições normais:	23 (8.1%)

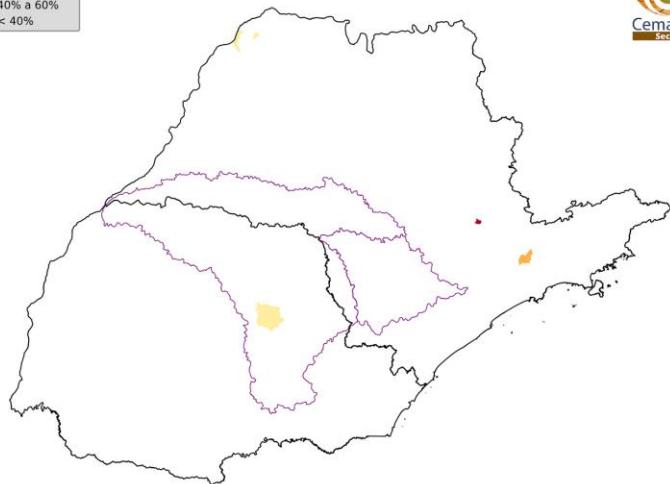
Índice Integrado de Seca - 6 meses (IIS6)
novembro 2025
Fonte: Cemaden/MCTI

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

OBSERVADO



PREVISÃO 30 DIAS



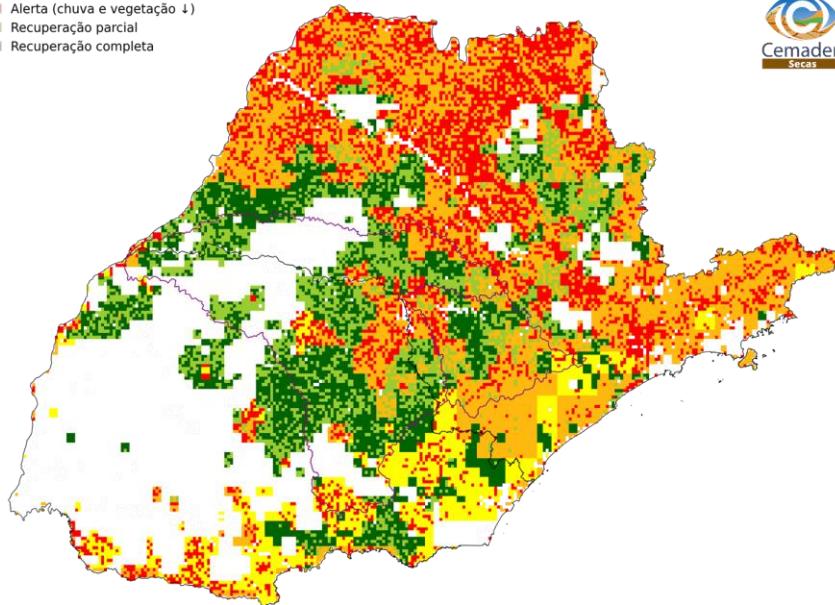
Área agro-pastoril municipal afetada pela seca
novembro 2025
Fonte: Cemaden/MCTI

Área agro-pastoril municipal afetada pela seca - previsão
dezembro 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

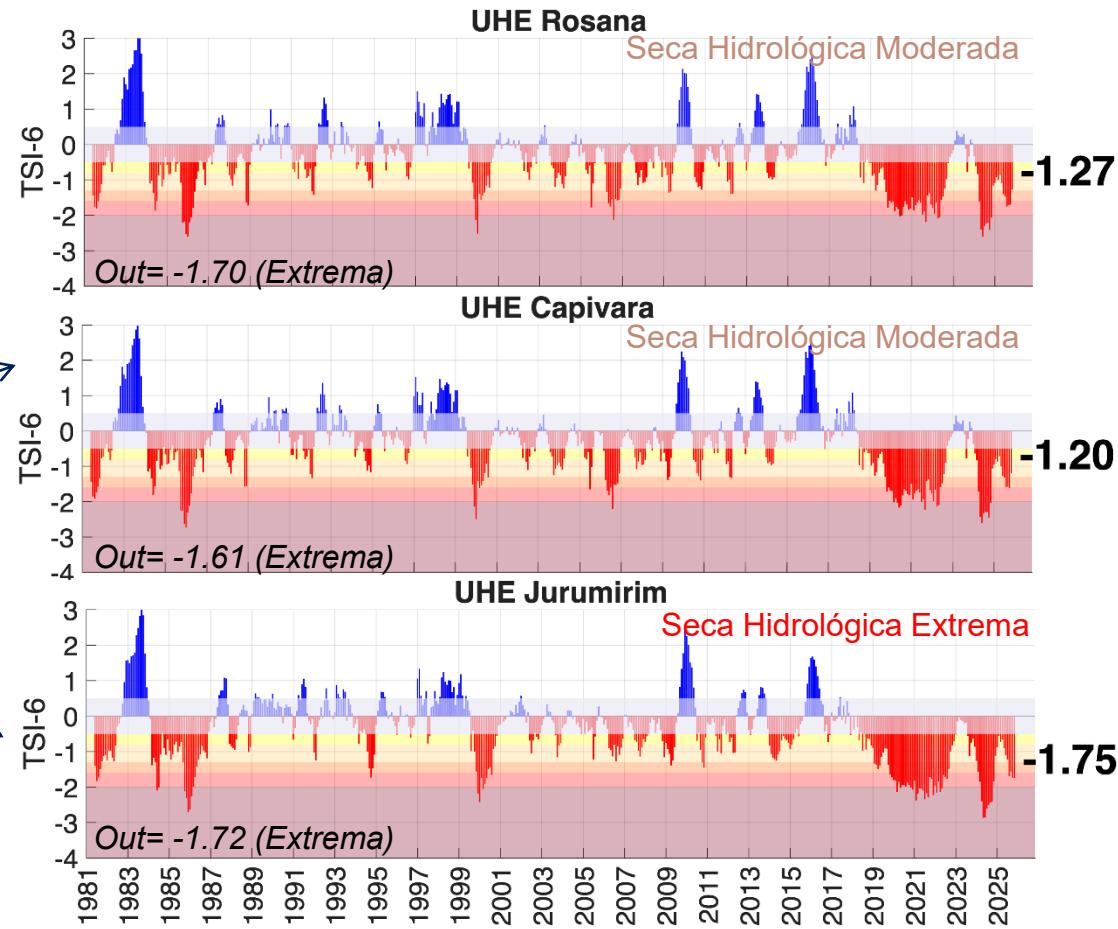
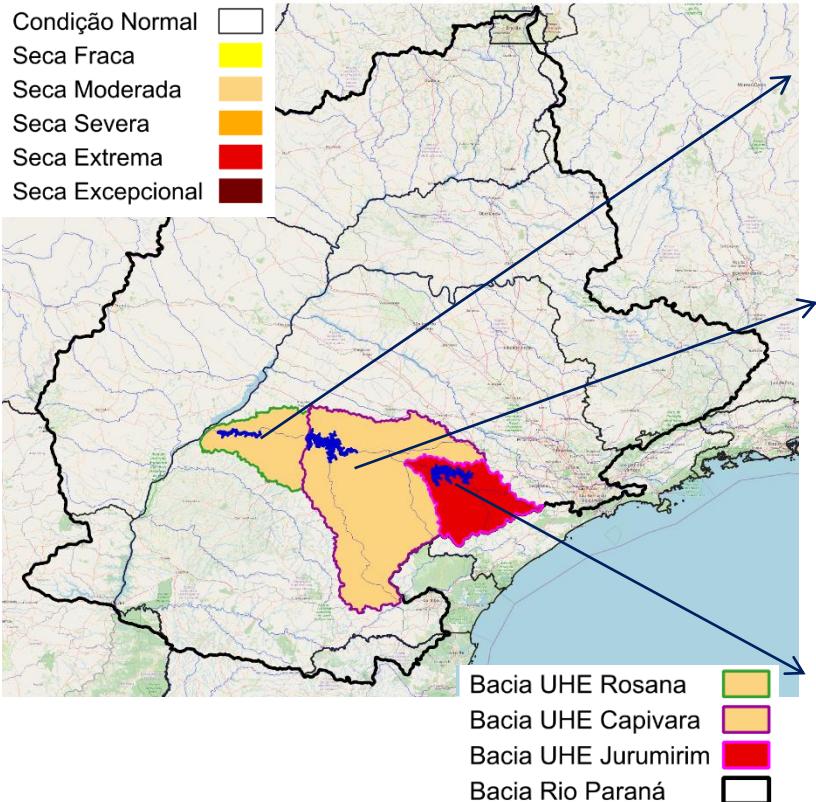


Progressão e Intensificação das Condições de Seca (PICS)
novembro 2025
Fonte: Cemaden/MCTI

Índice Bivariado de Seca (Precipitação-Vazão) - TSI

Escala de Longo Prazo: TSI-6 meses

Novembro/2025



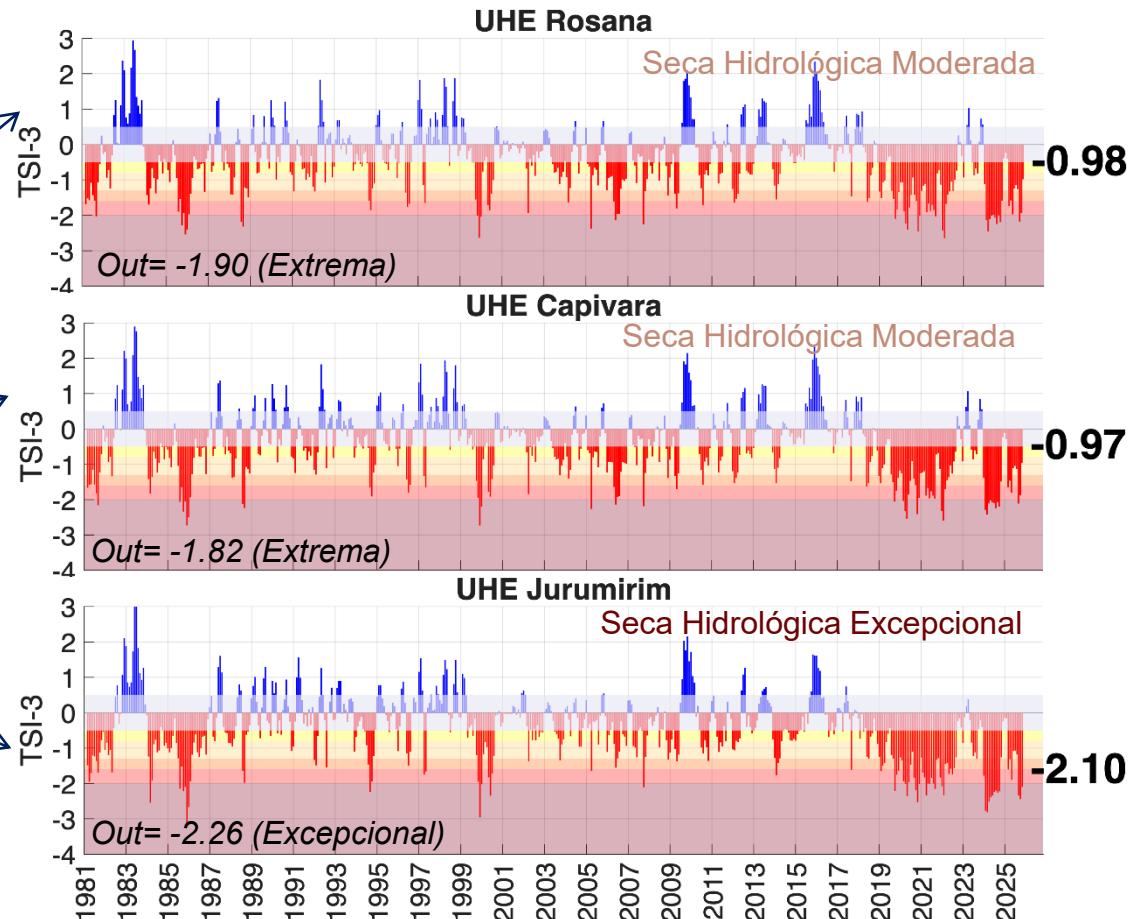
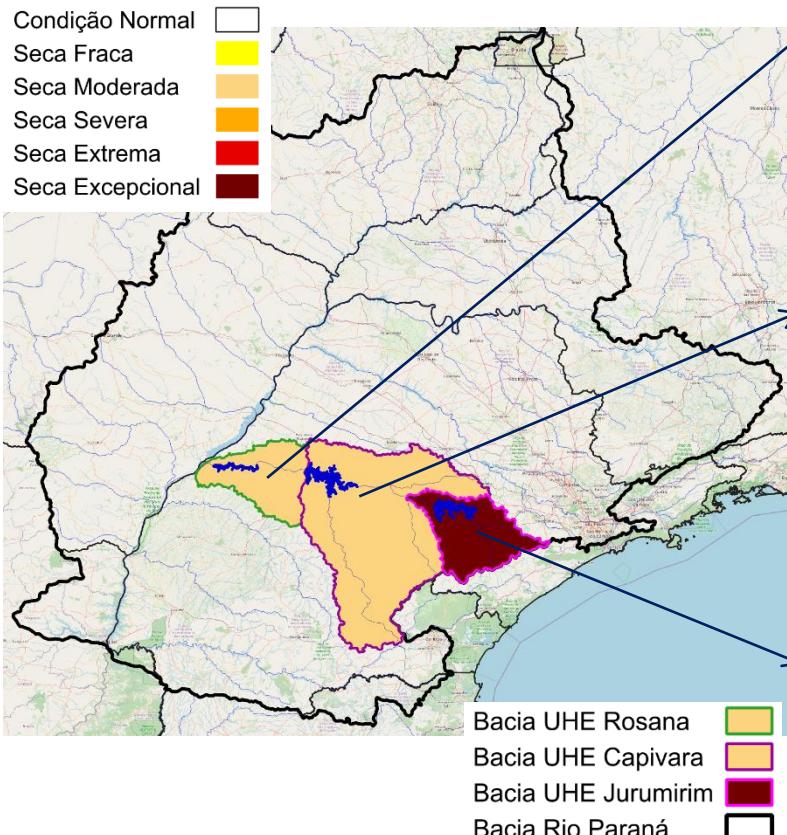
Fonte: CEMADEN

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

Índice Bivariado de Seca (Precipitação-Vazão) - TSI

Escala de Curto Prazo: TSI-3 meses

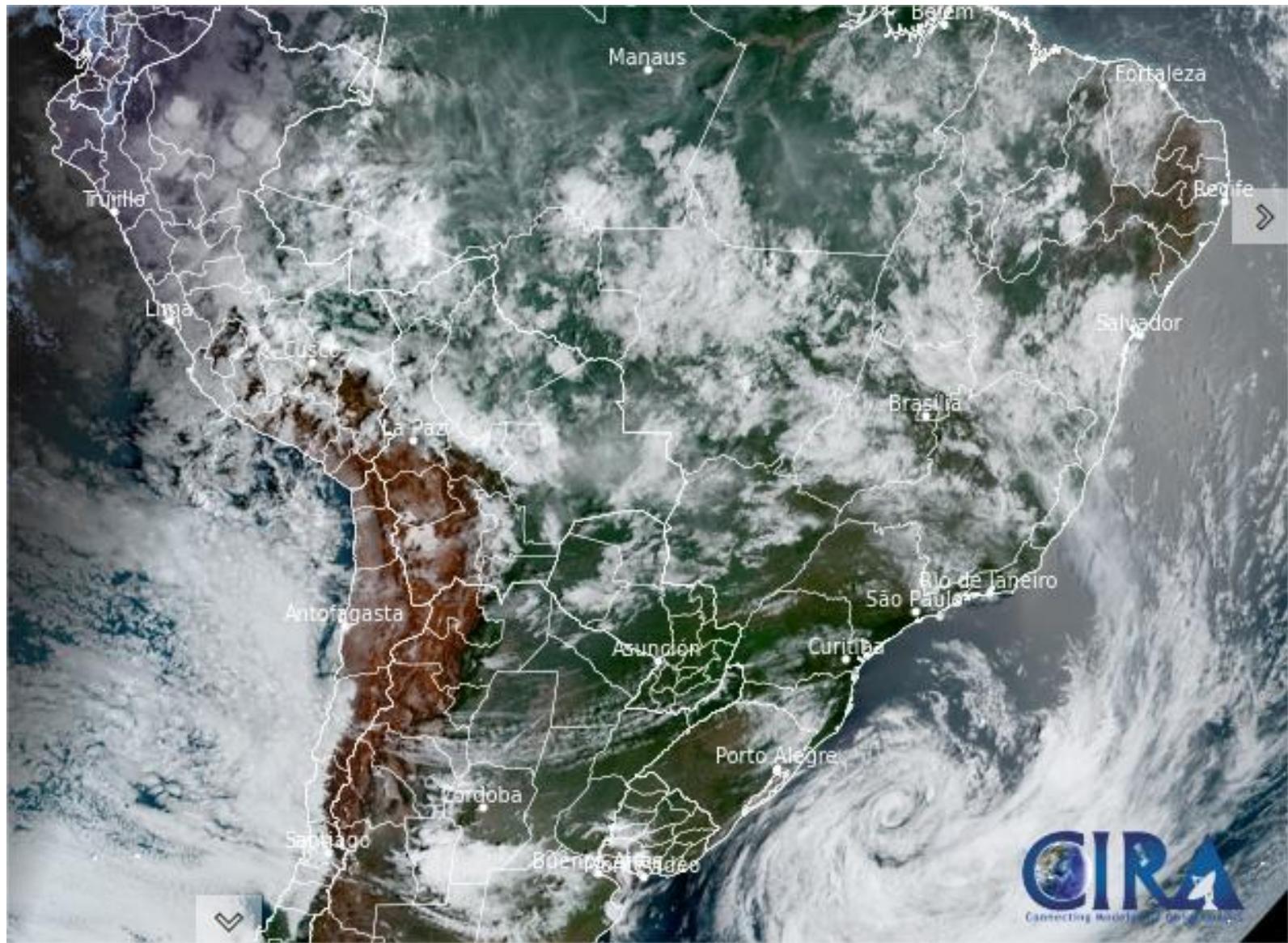
Novembro/2025



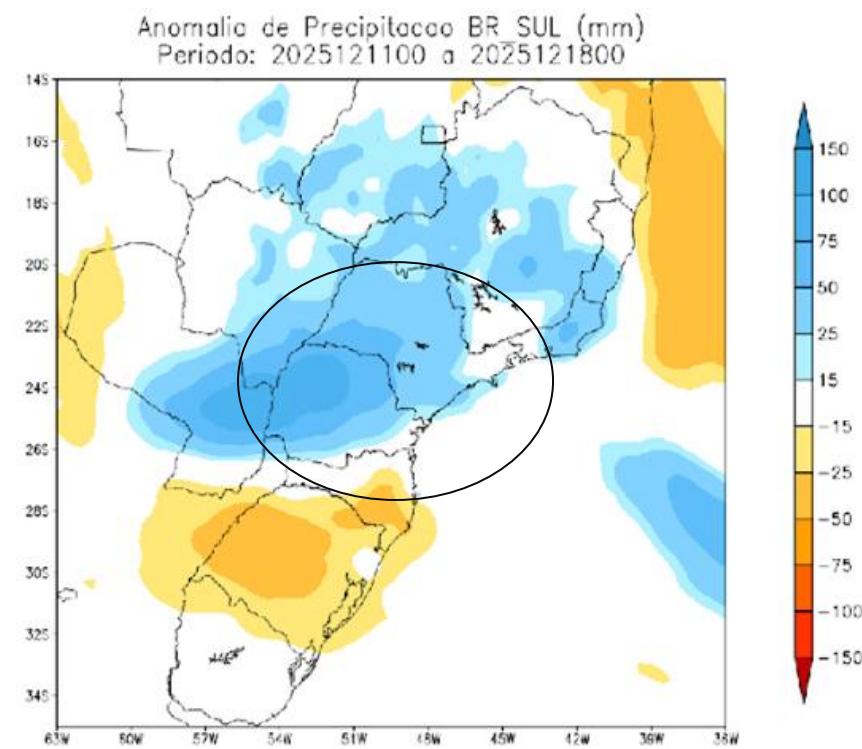
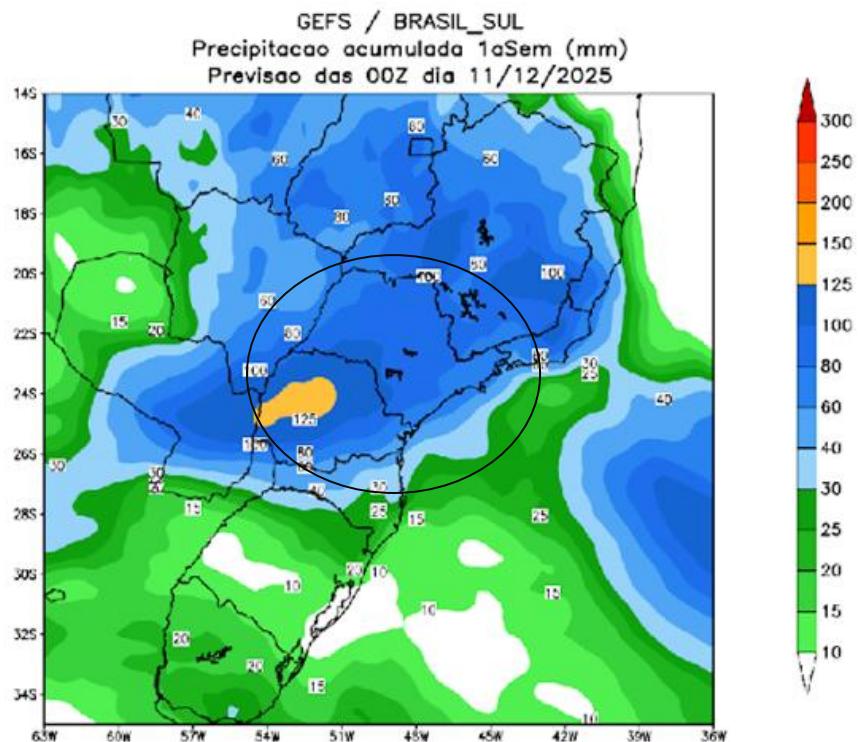
Fonte: CEMADEN

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

Situação meteorológica atual

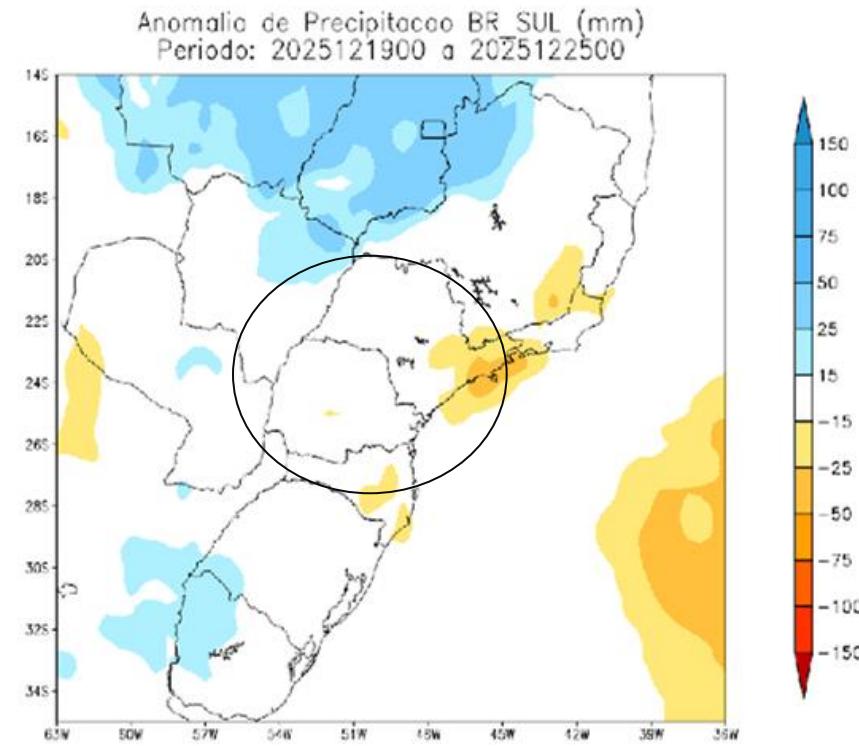
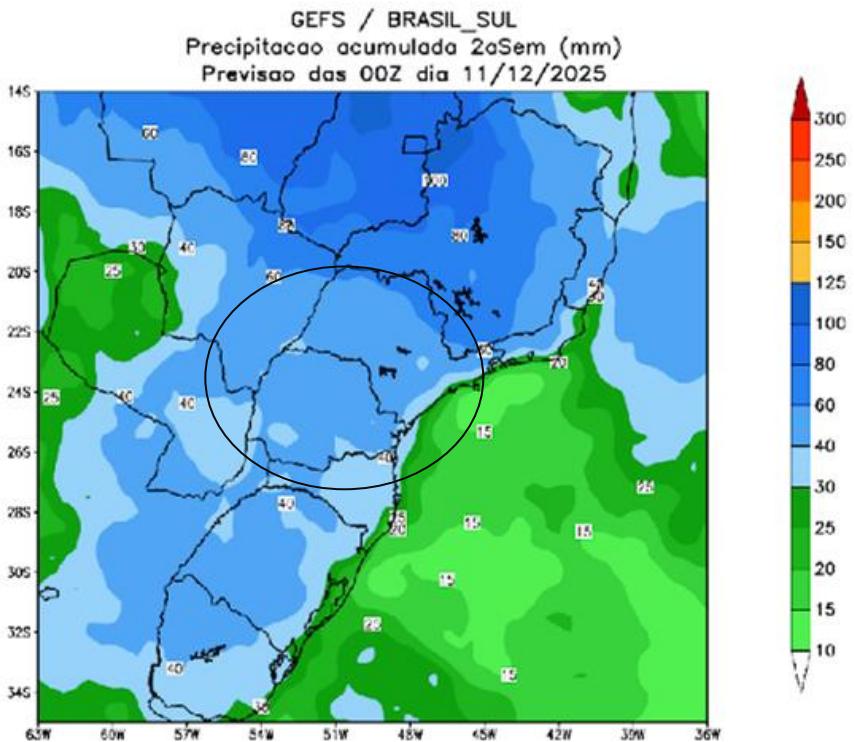


Previsão de chuva próximos 7 dias



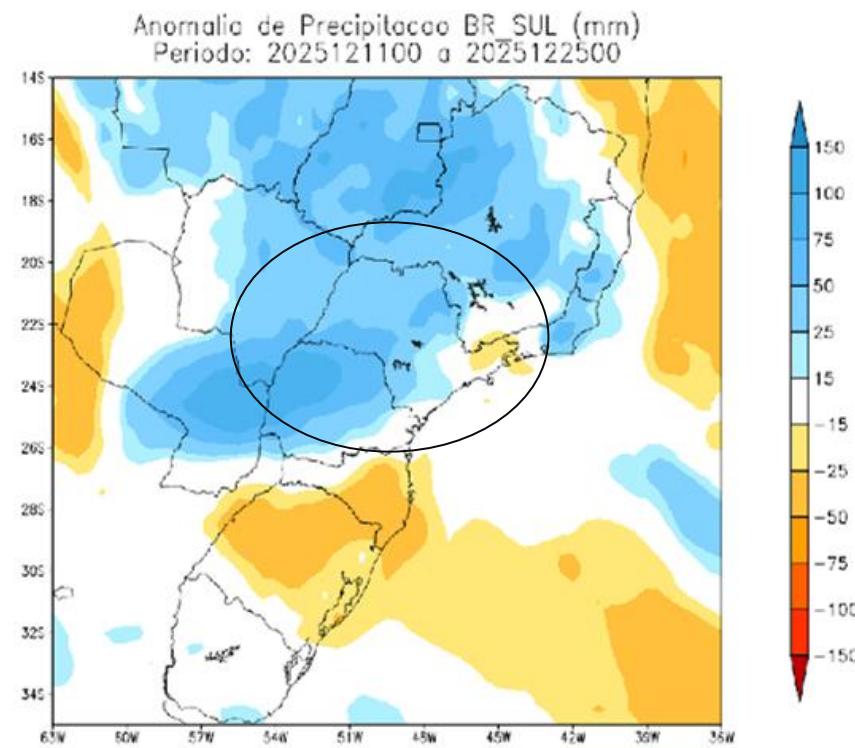
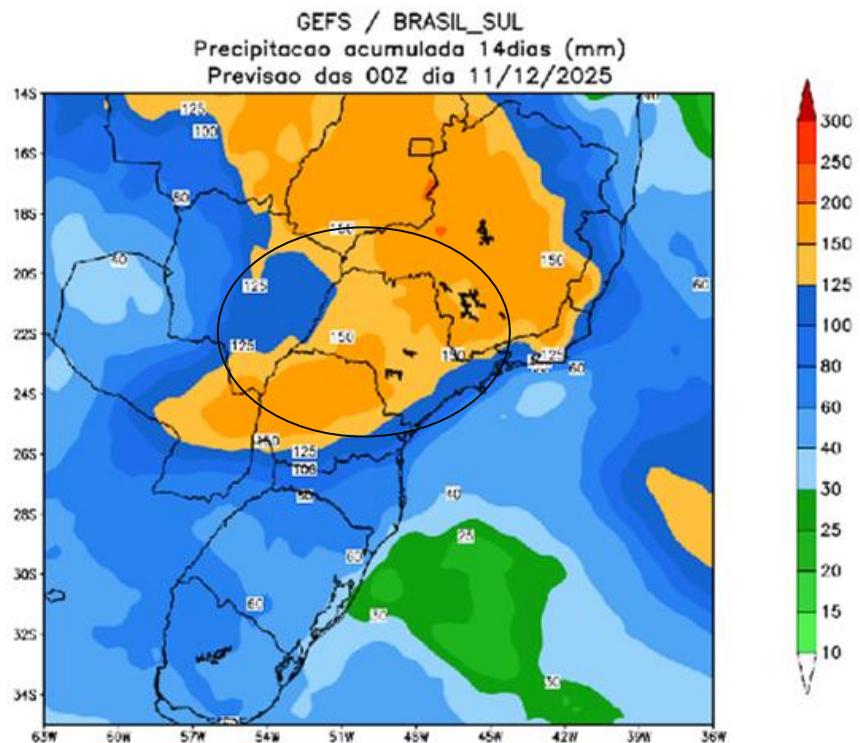
MODELO GEFS

Tendência para a segunda semana



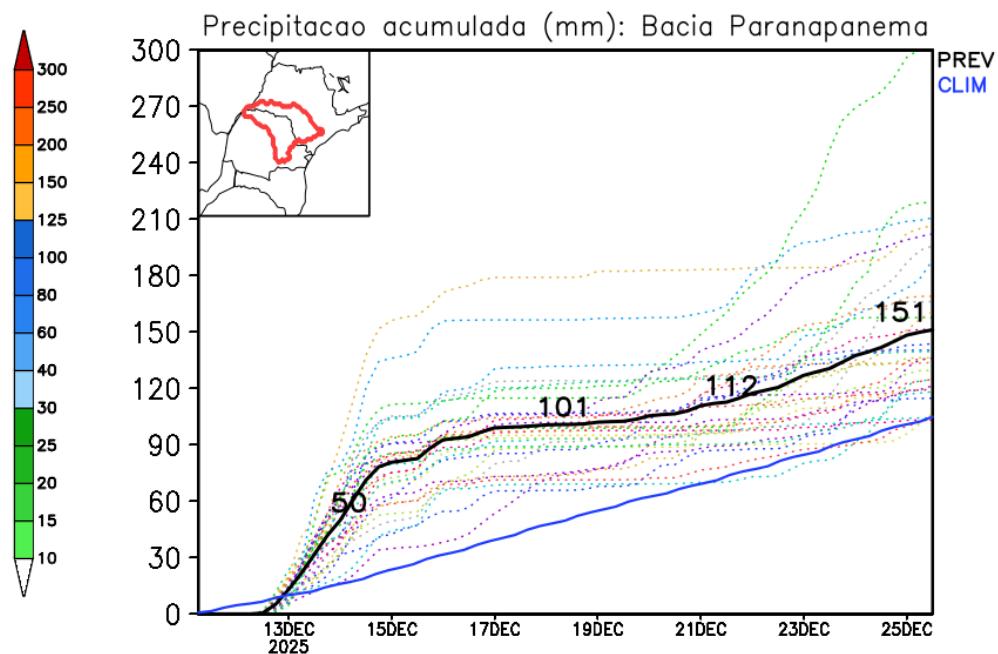
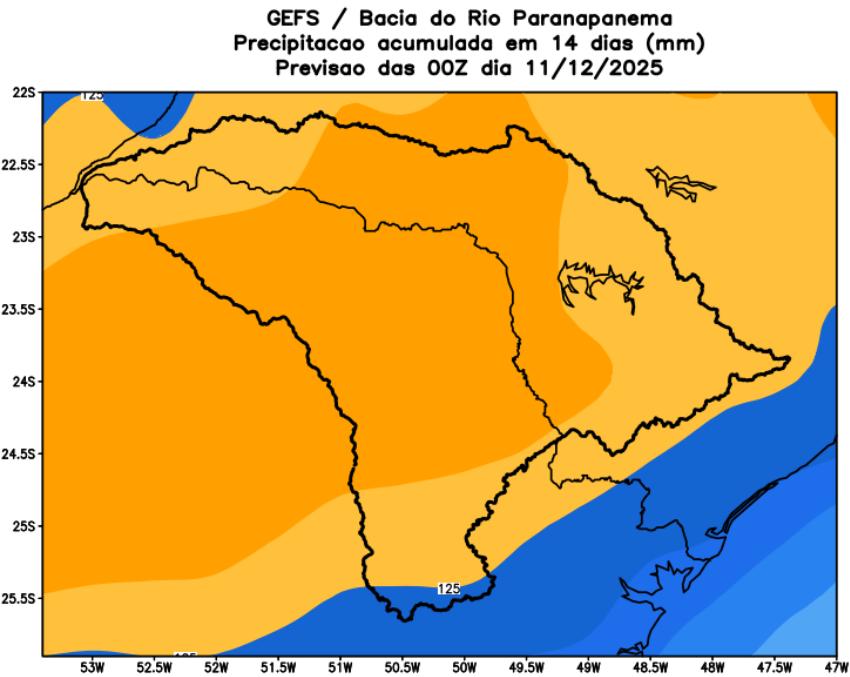
MODELO GEFS

Tendência para as duas próximas semanas



MODELO GEFS

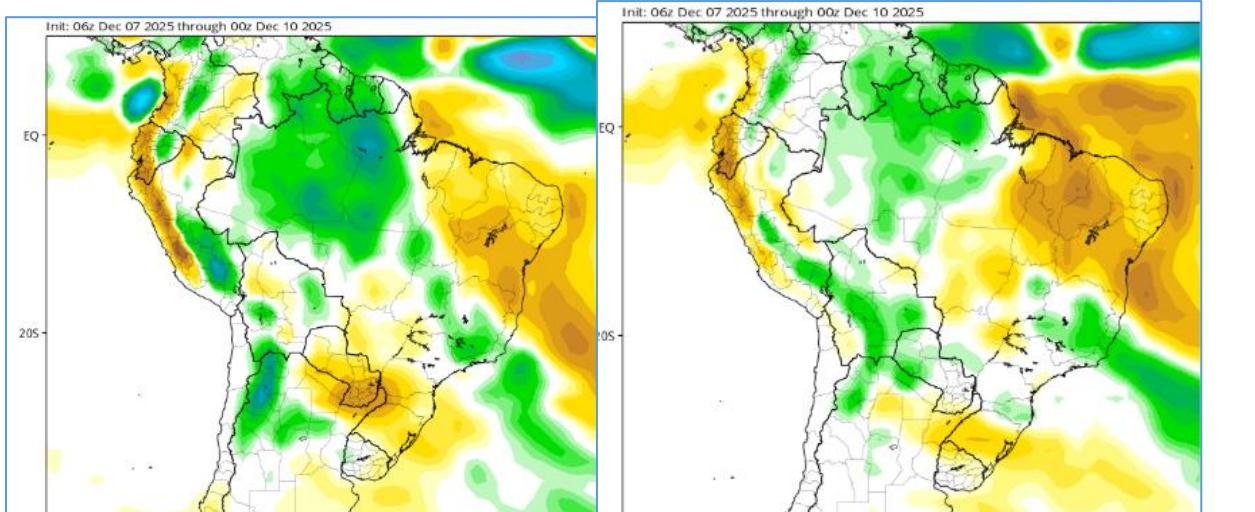
Previsão para a bacia do rio Paranapanema



Tendência 3a e 4a semanas

24-31 Dez

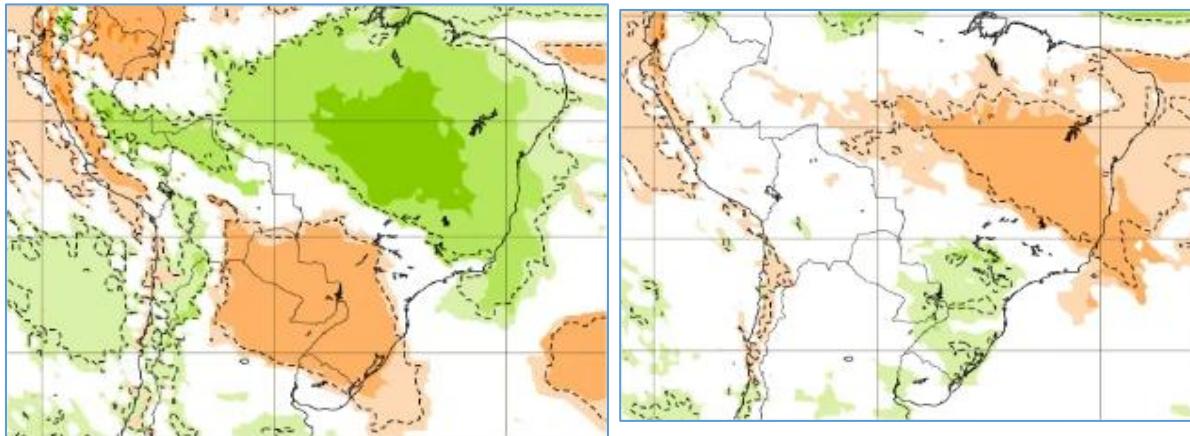
CFS/NOAA



31 Dez – 07 Jan

-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120

ECMWF



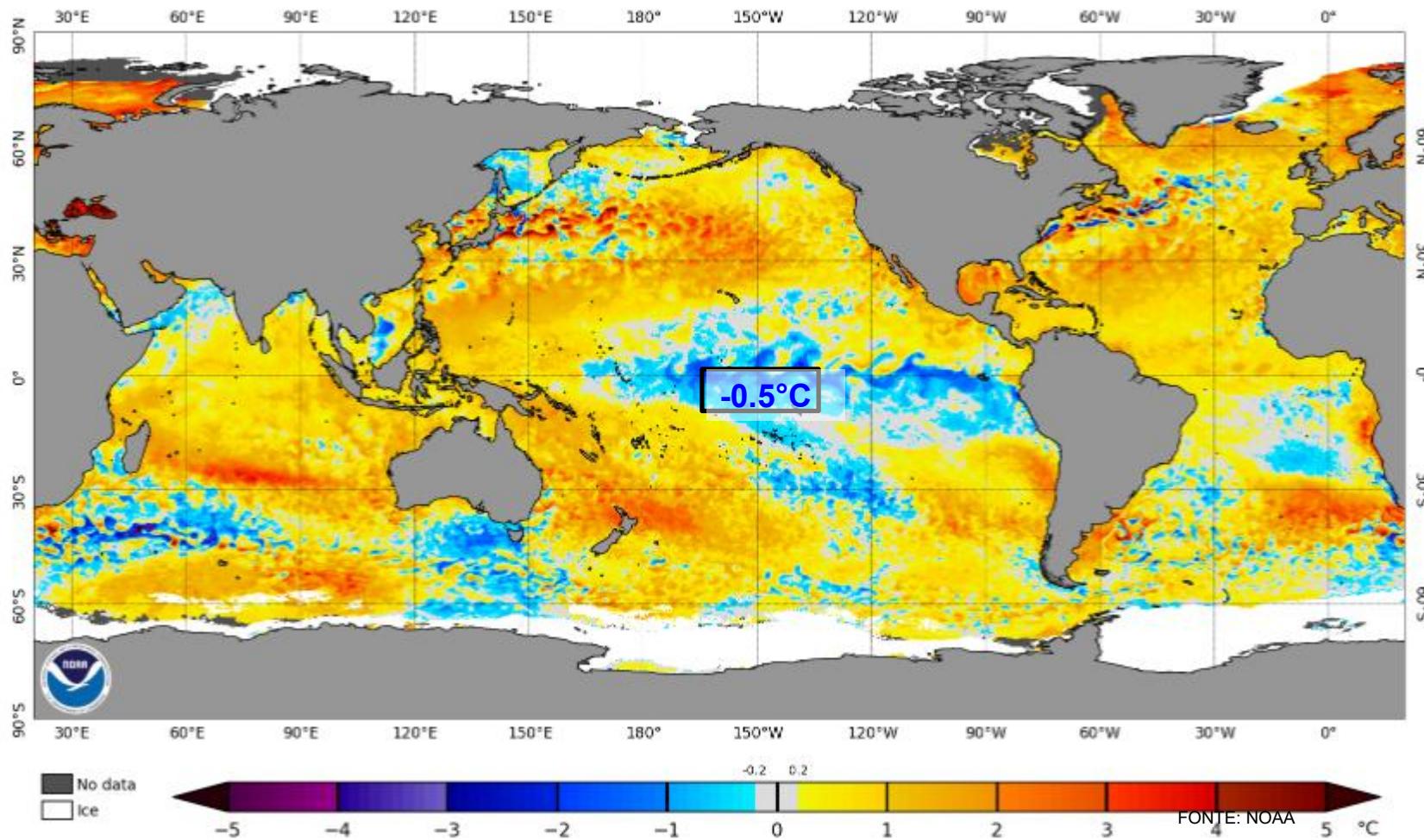
22-29 Dez

29 Dez – 05 Jan



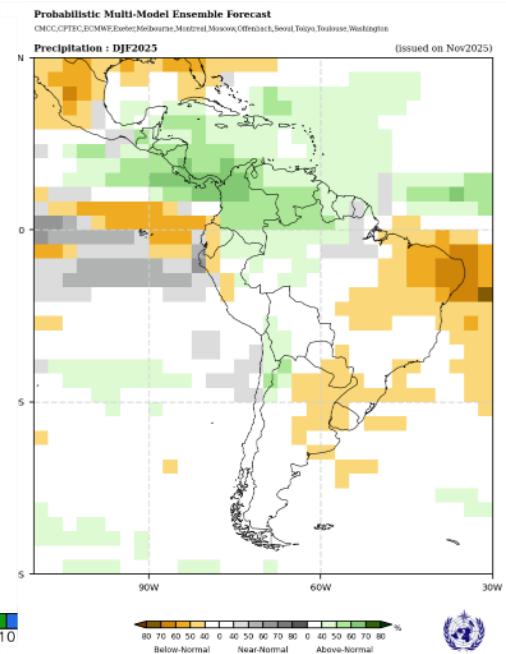
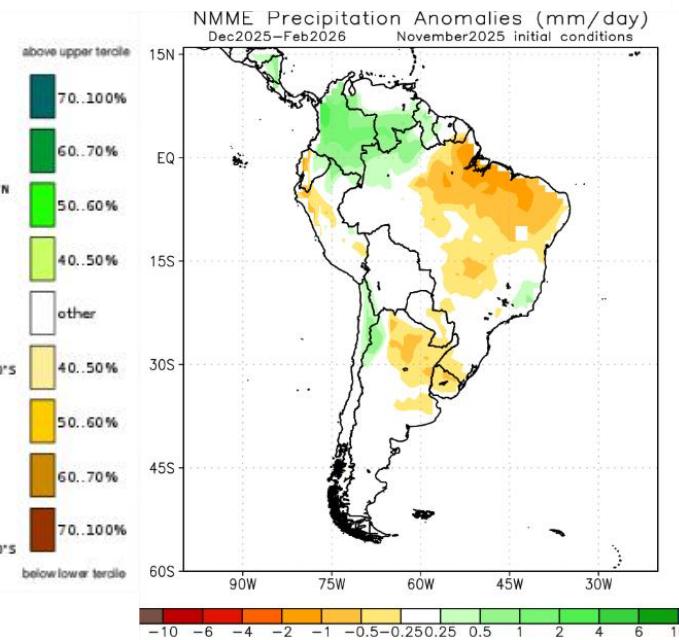
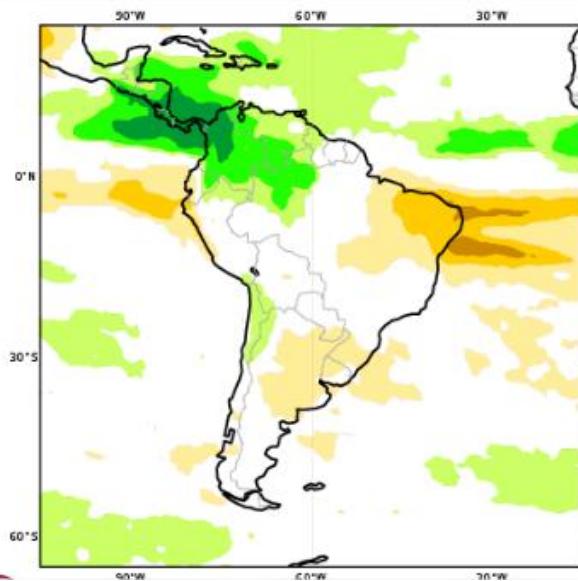
Status Atual: [La Niña](#)

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 8 Dec 2025



Previsão Sazonal de Chuva Multi-Modelo

Dezembro-Janeiro-Fevereiro



Modelos Europeus

Modelos Norte Americanos

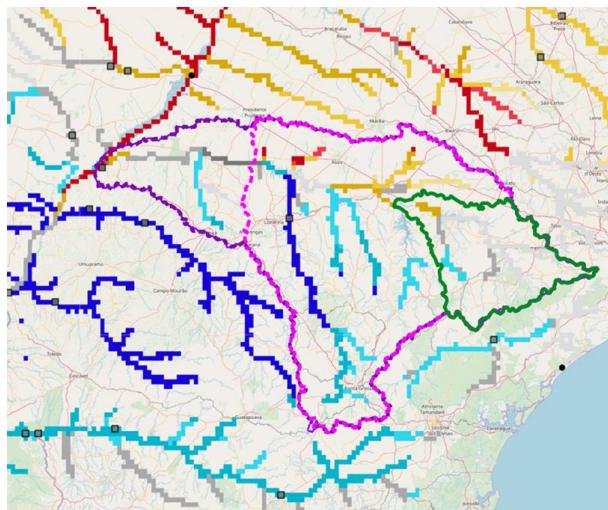
Modelos da WMO



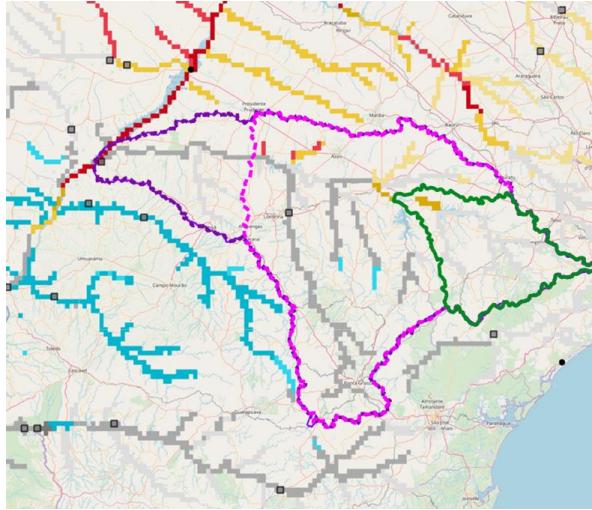
Previsão Sub-sazonal (45 dias) para a Bacia do Rio Paranapanema (Sistema Global de Previsão de Vazão - GloFAS)

Previsão: 15/12/2025 – 19/01/2026

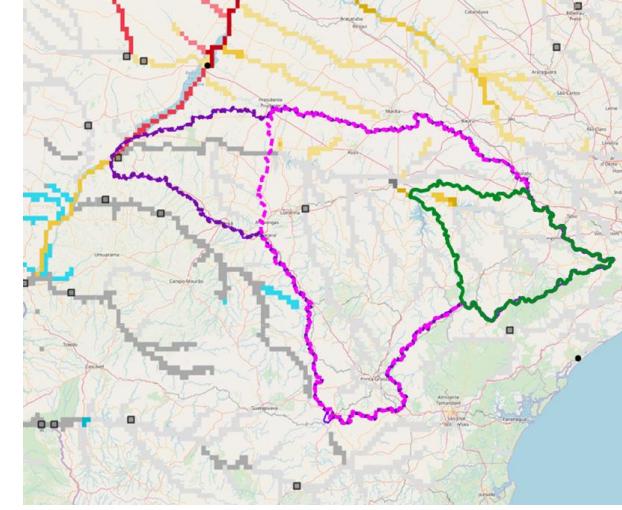
15/12/2025-22/12/2025



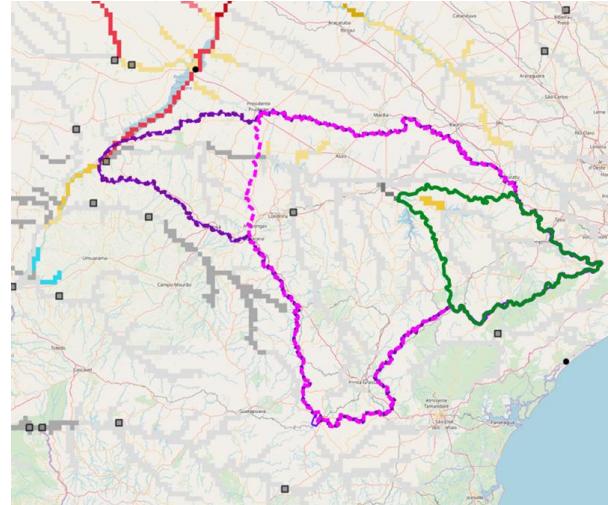
23/12/2025-29/12/2025



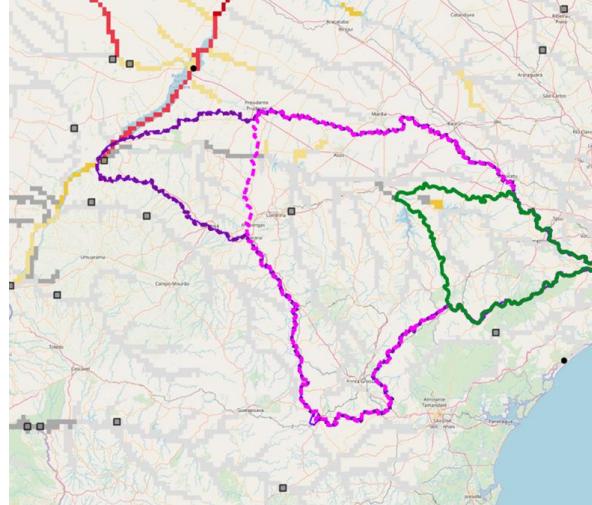
30/12/2025-05/01/2026



06/01/2026-12/01/2026



13/01/2026-19/01/2026



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/>