

# CEMADEN

Centro Nacional de Monitoramento e  
Alertas de Desastres Naturais

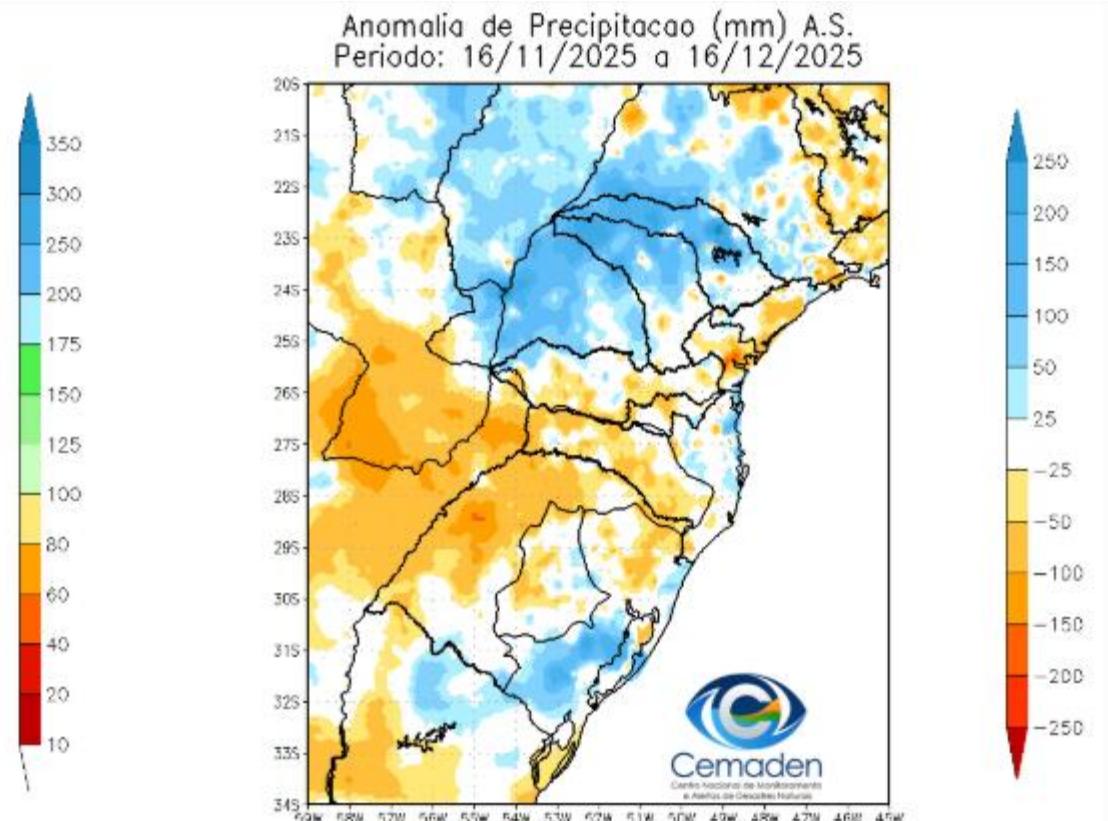
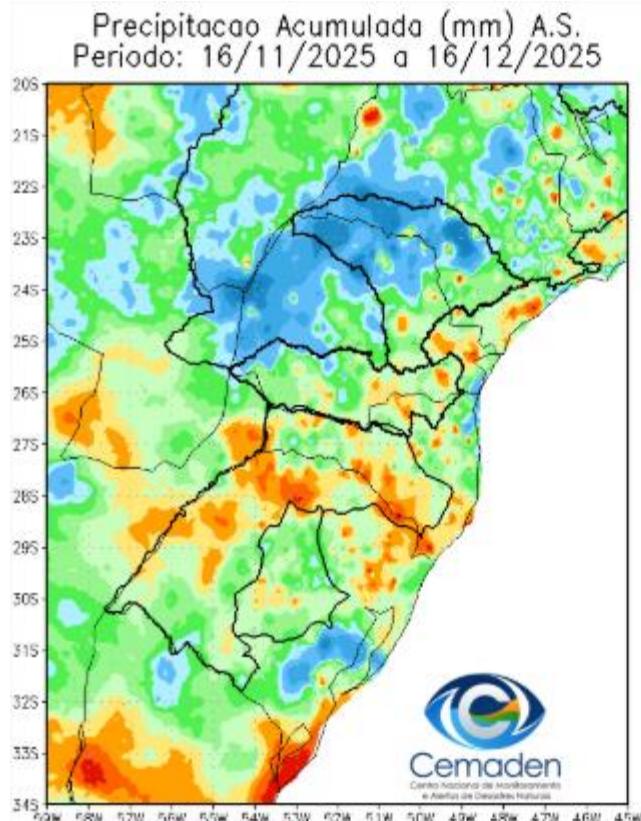


## Monitoramento e Previsões da situação hidrometeorológica na Região Sul

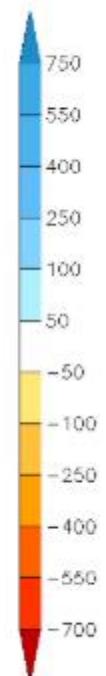
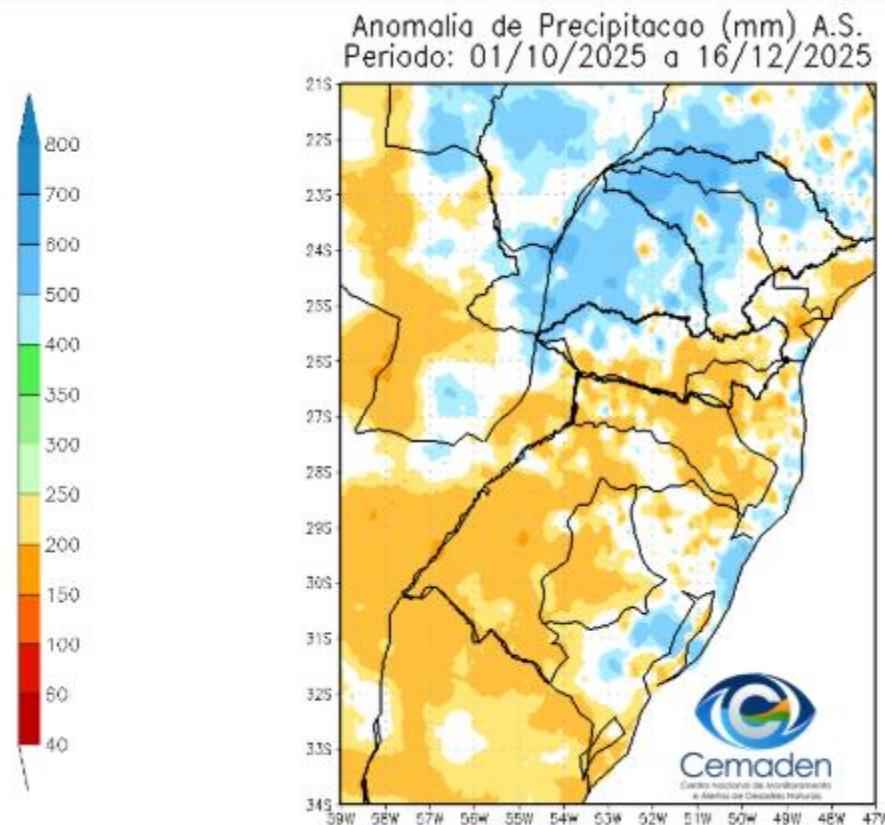
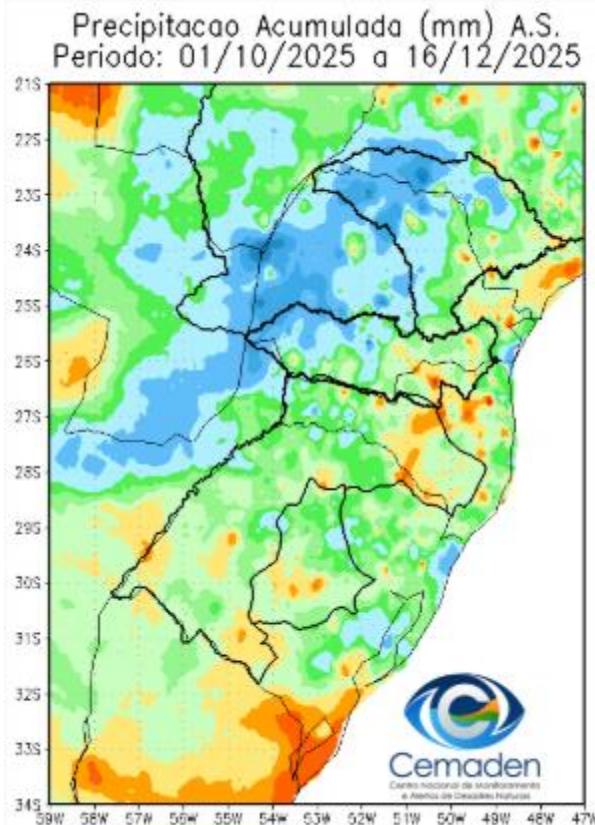
DEZEMBRO 2025



## Precipitação nos últimos 30 dias

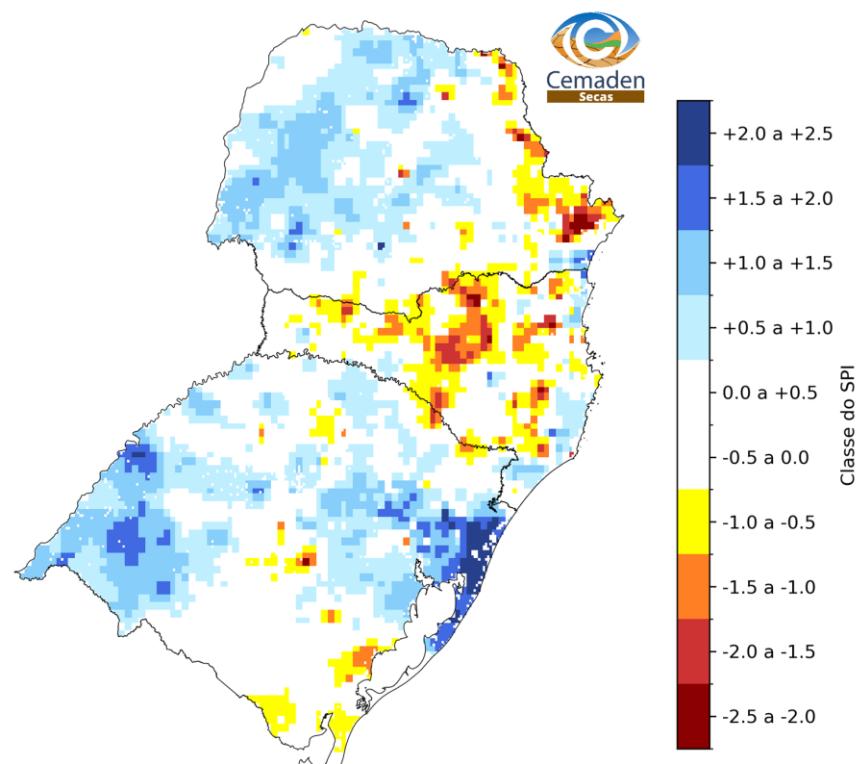


## Precipitação no Ano Hidrológico

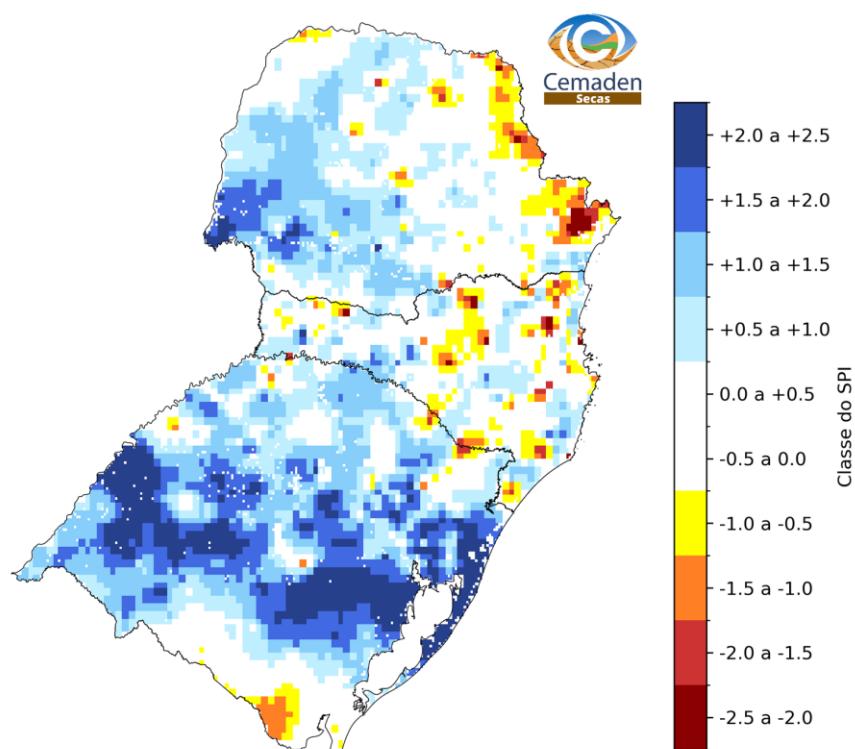


# SPI: NOVEMBRO 2025

## SPI-03



## SPI-06

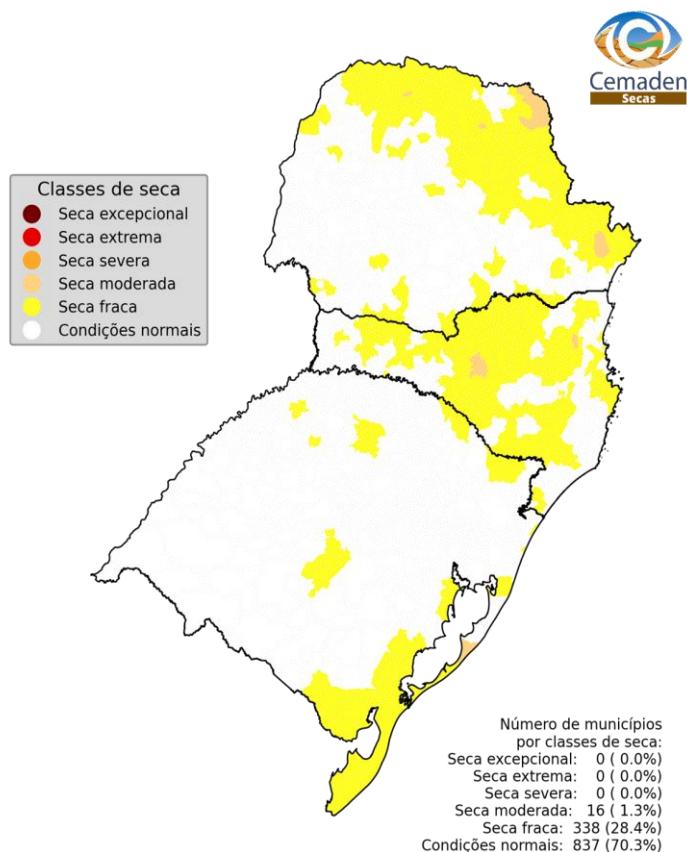


Índice Padronizado de Precipitação - 3 meses (SPI3)  
novembro 2025  
Fonte: Cemaden/MCTI

Índice Padronizado de Precipitação - 6 meses (SPI6)  
novembro 2025  
Fonte: Cemaden/MCTI

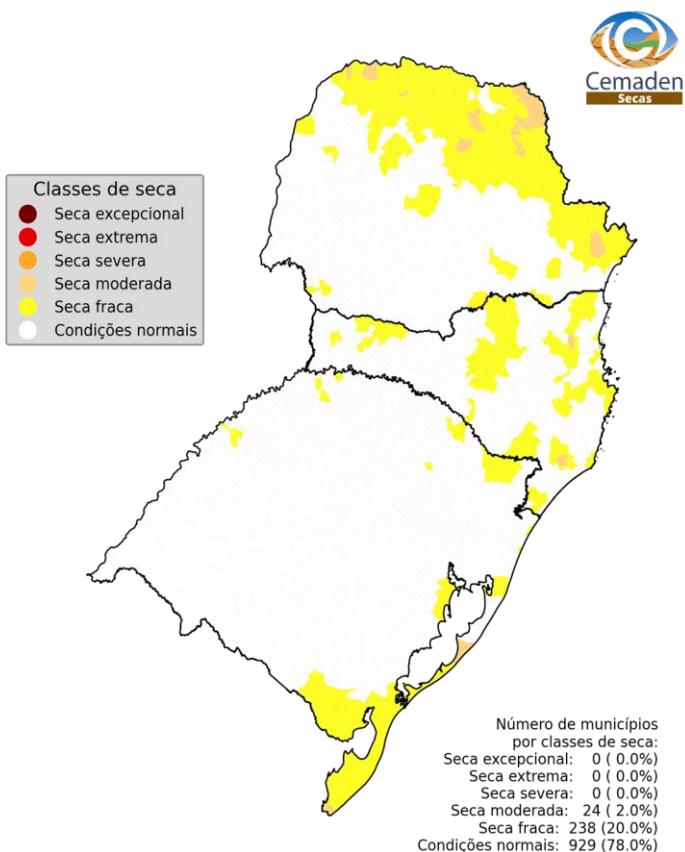
# ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

## IIS-03 OBSERVADO



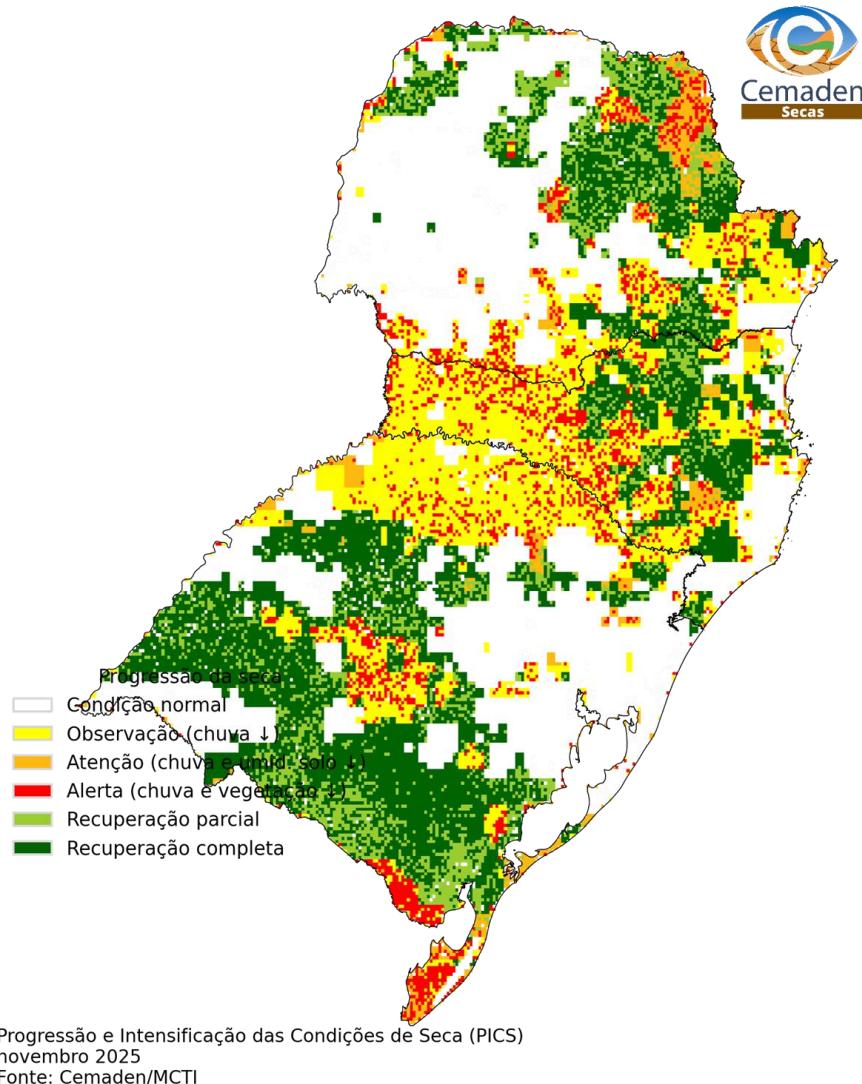
Índice Integrado de Seca - 3 meses (IIS3)  
novembro 2025  
Fonte: Cemaden/MCTI

## IIS-06 OBSERVADO



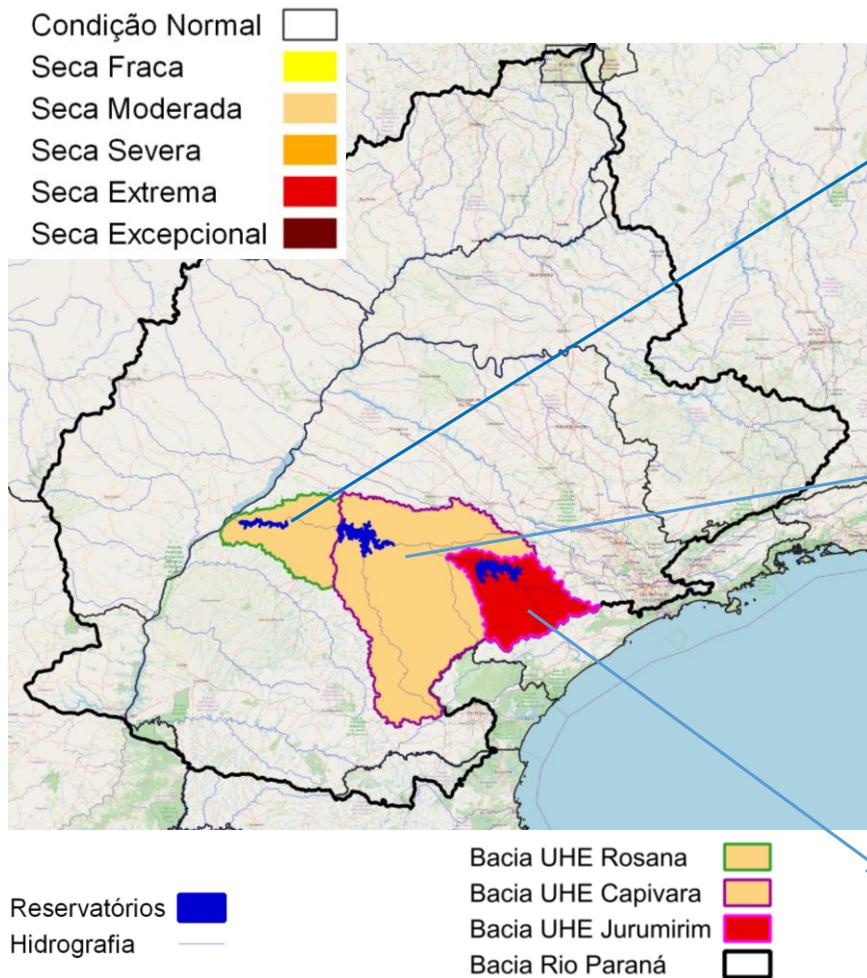
Índice Integrado de Seca - 6 meses (IIS6)  
novembro 2025  
Fonte: Cemaden/MCTI

## PROPAGAÇÃO INCREMENTAL DAS CONDIÇÕES DE SECA (PICS)

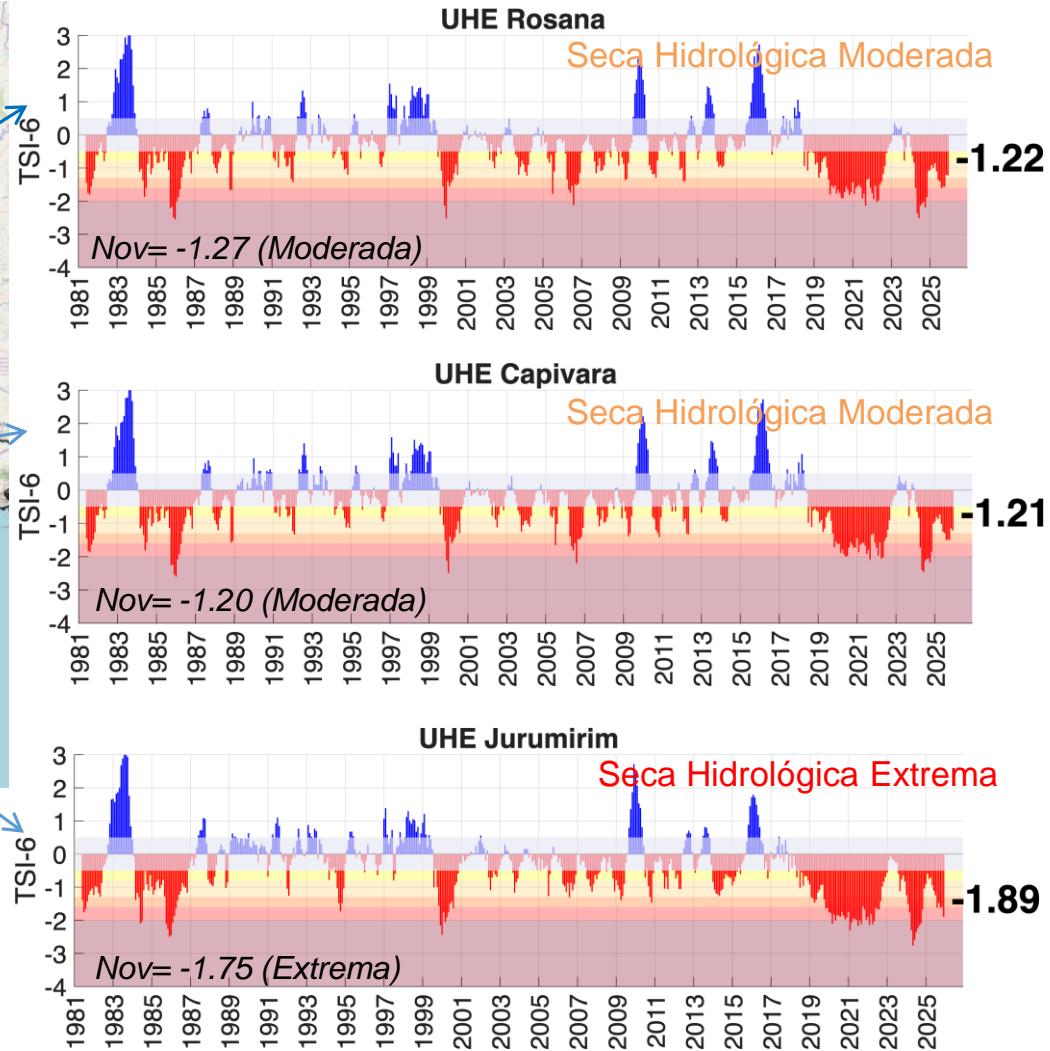


# BACIA DO RIO PARANAPANEMA

## Dez/25 - Parcial



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

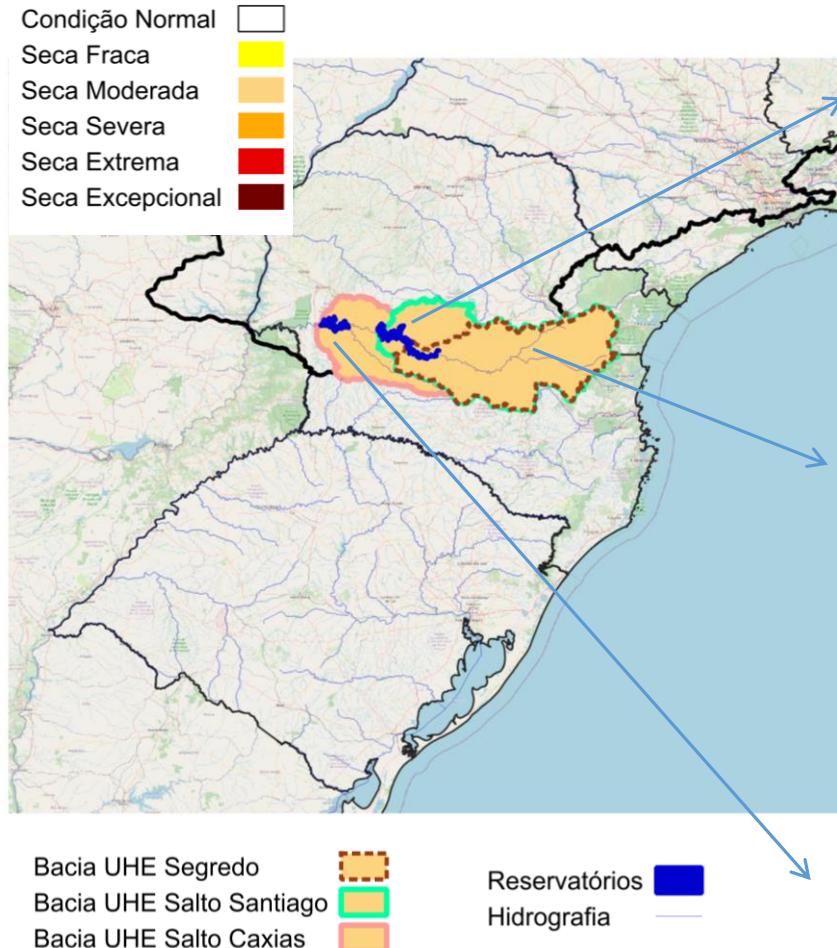


Fonte: CEMADEN/MCTI

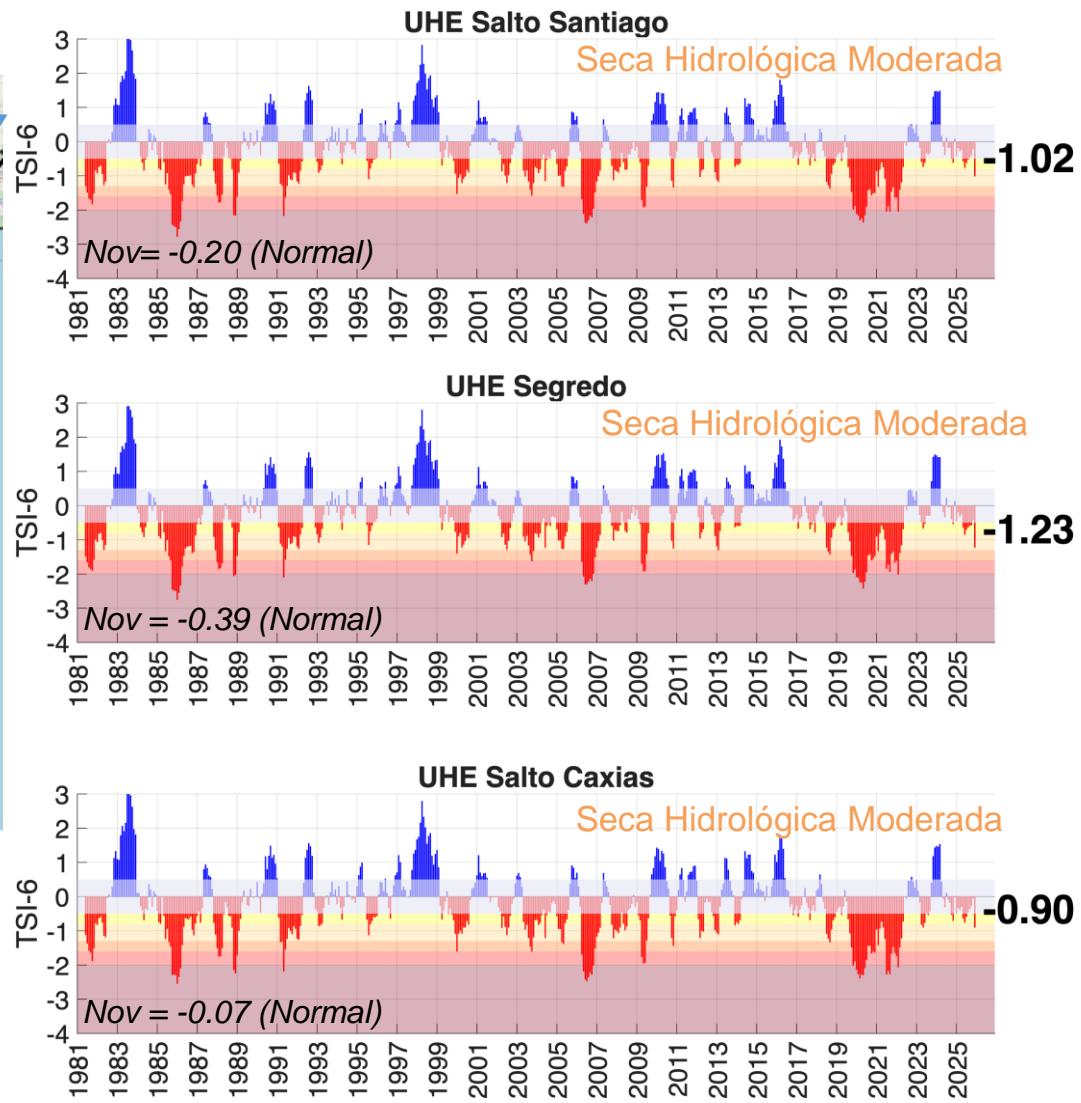
Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA) Período: Jan/1981 – Dez/2025

# BACIA DO RIO IGUAÇU

**Dez/25 - Parcial**



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

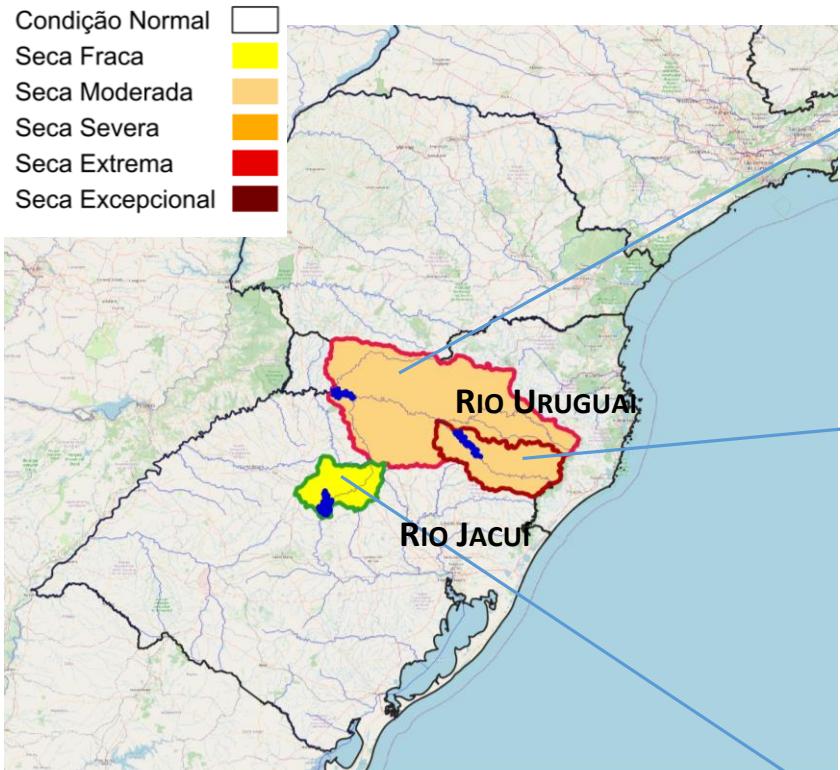


Fonte: CEMADEN/MCTI

Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA) Período: Jan/1981 – Dez/2025

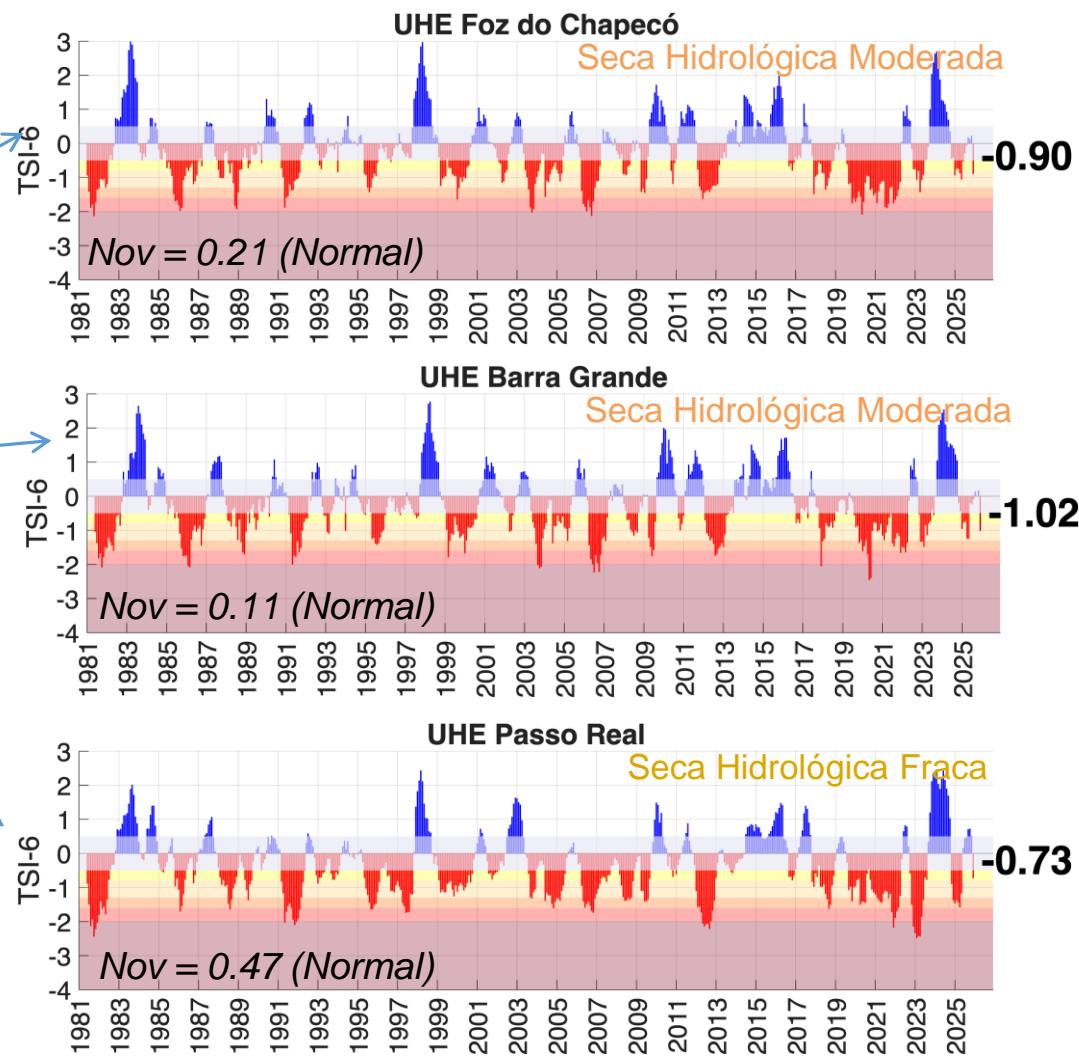
# BACIAS DOS RIOS URUGUAI E JACUÍ

## Dez/25 - Parcial



Bacia UHE Passo Real      Reservatórios  
Bacia UHE Barra Grande      Hidrografia  
Bacia UHE Foz Chapecó

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

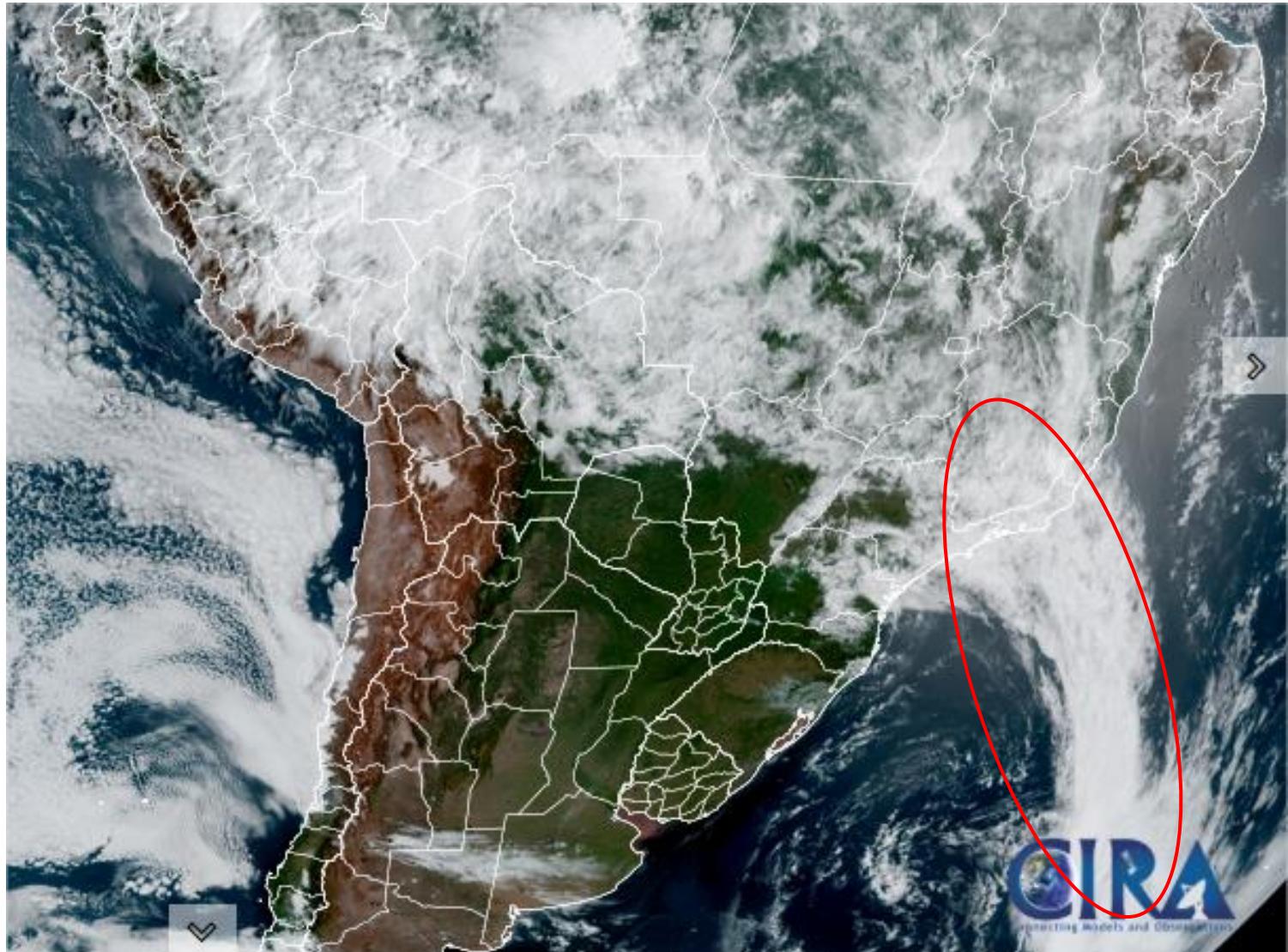


Fonte: CEMADEN/MCTI

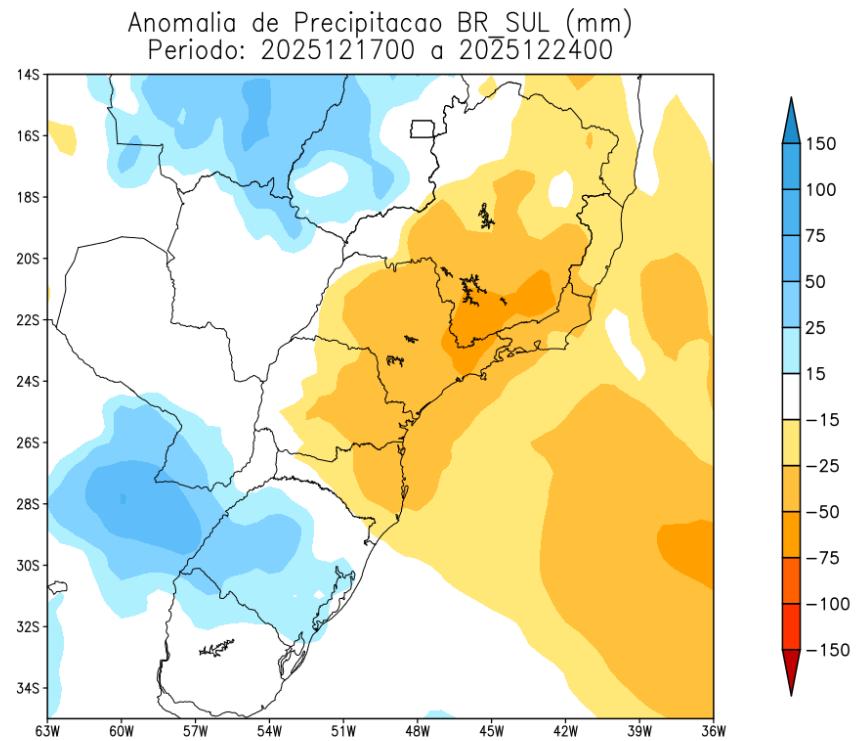
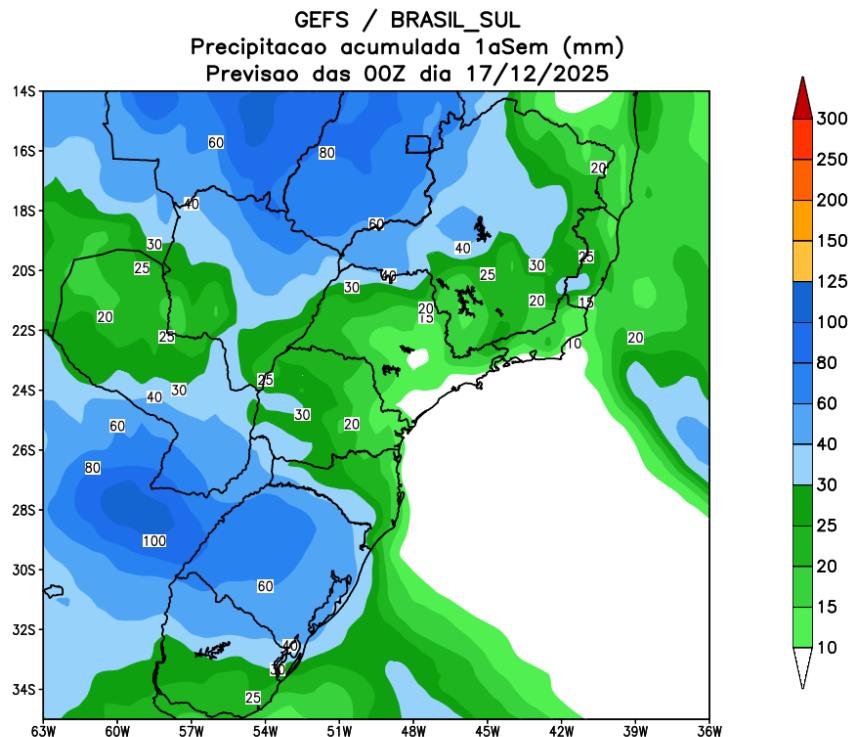
Dados: Precipitação (CHIRPS) e Vazão (ONS e

ANA) Período: Jan/1981 – Dez/2025

## Situação meteorológica atual

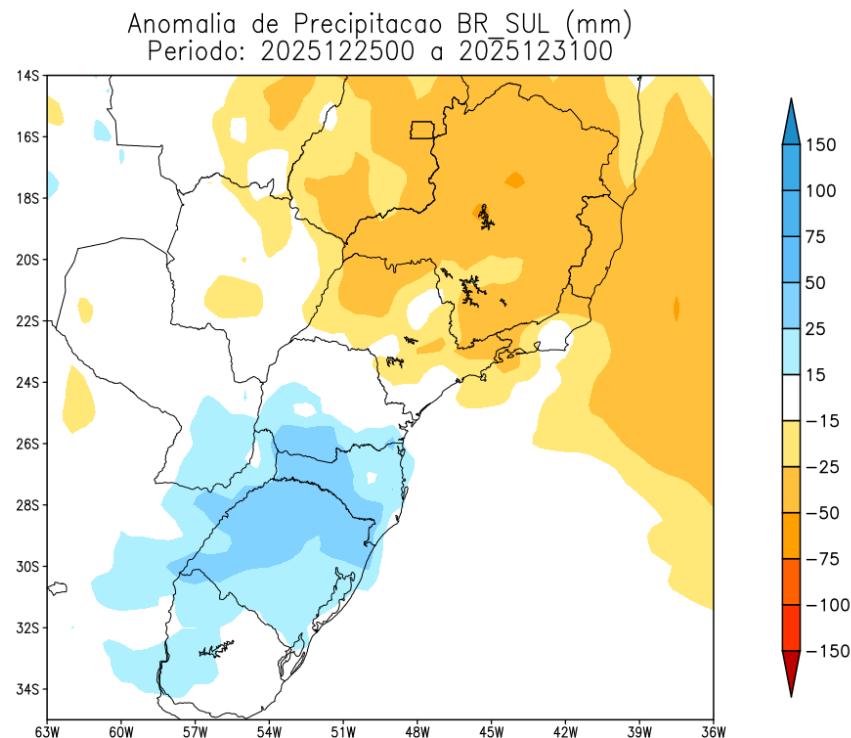
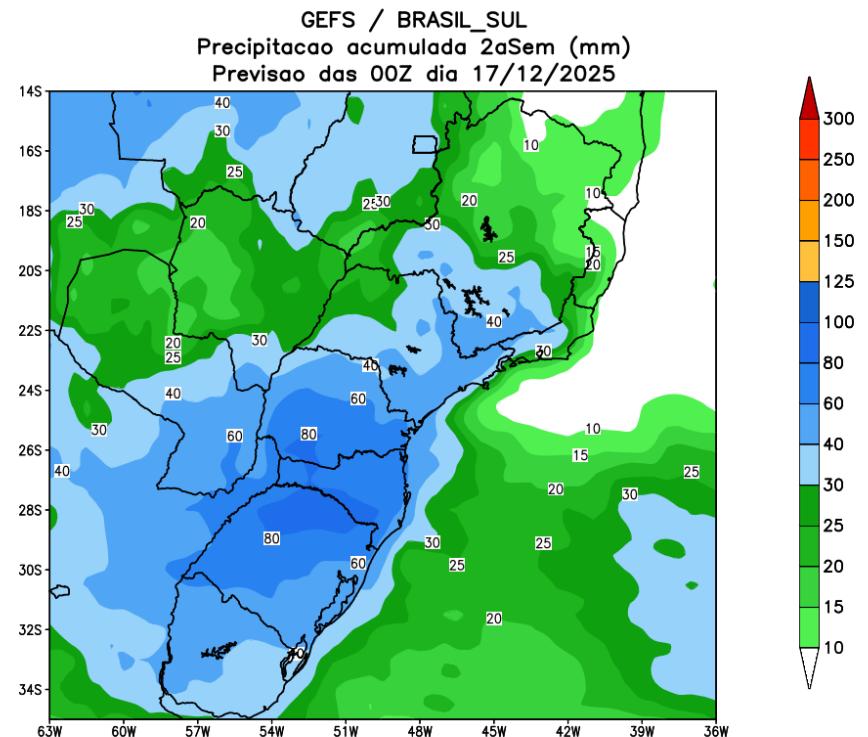


## Previsão de chuva próximos 7 dias



MODELO GEFS

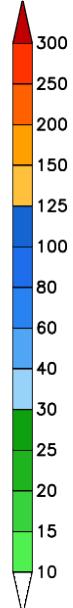
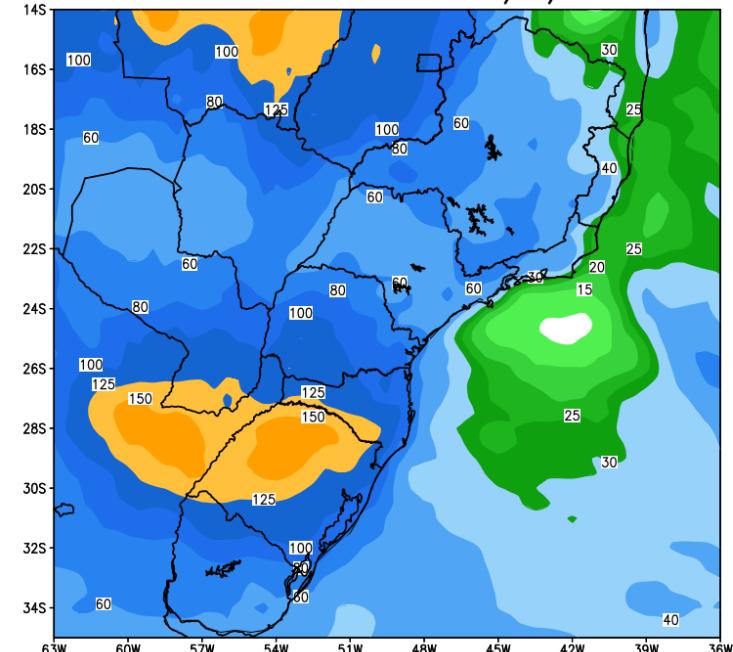
## Tendência para a segunda semana



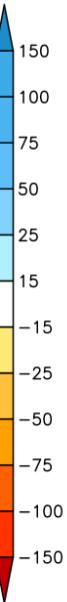
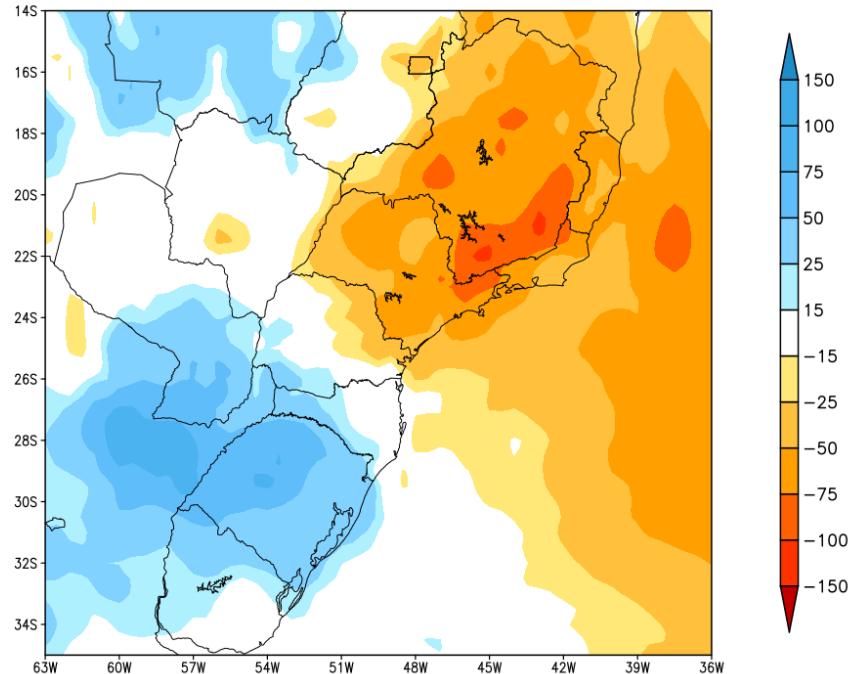
MODELO GEFS

## Próximas duas semanas

GEFS / BRASIL\_SUL  
Precipitacao acumulada 14dias (mm)  
Previsao das 00Z dia 17/12/2025



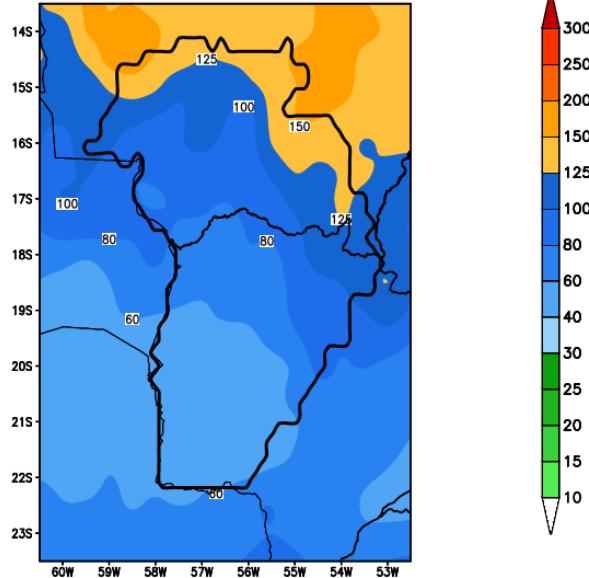
Anomalia de Precipitacao BR SUL (mm)  
Periodo: 2025121700 a 2025123100



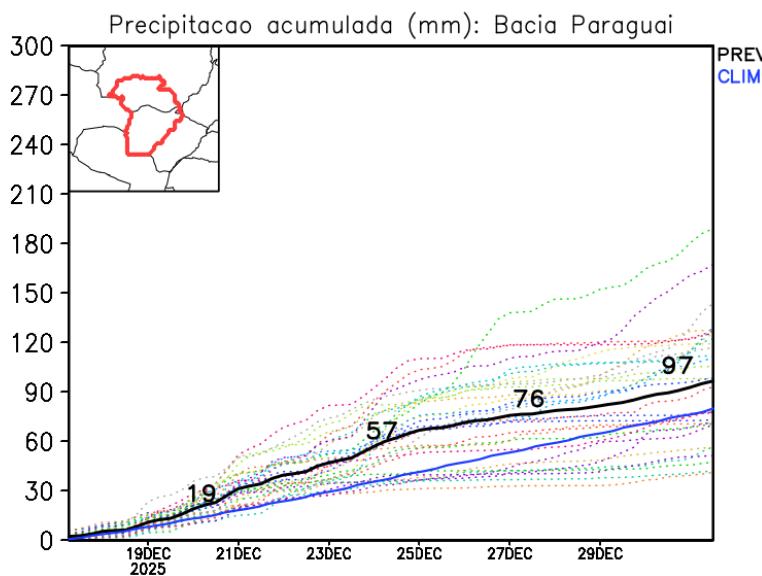
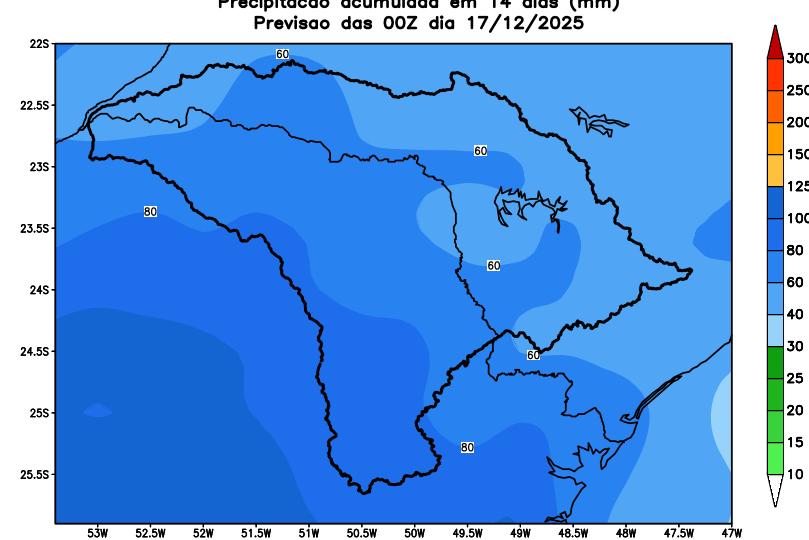
MODELO GEFS

# Previsão para as principais bacias

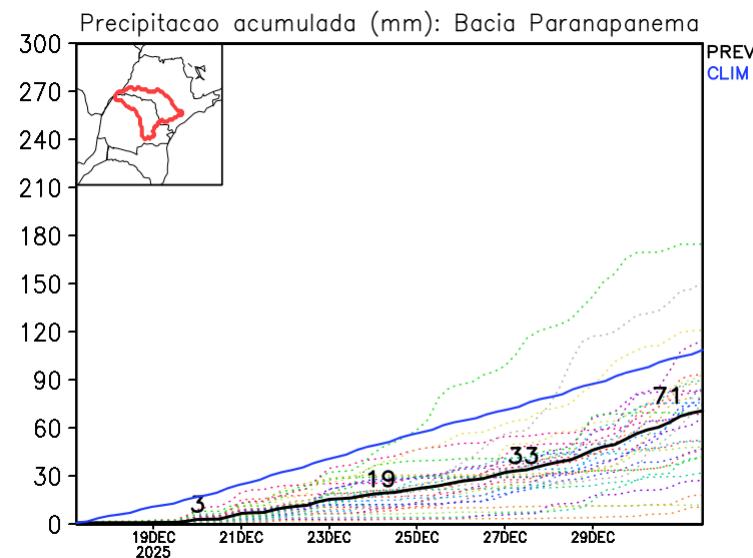
GEFS / Bacia do Rio Paraguai  
Precipitação acumulada em 15 dias (mm)  
Previsão das 00Z dia 17/12/2025



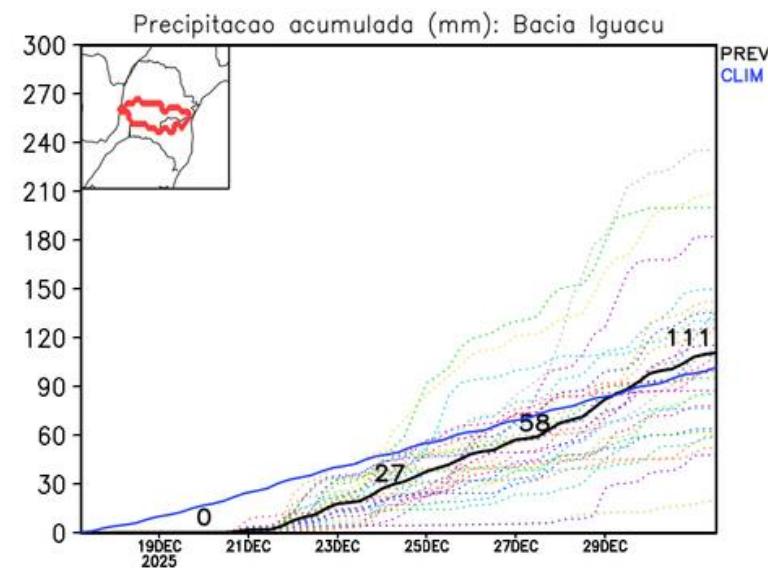
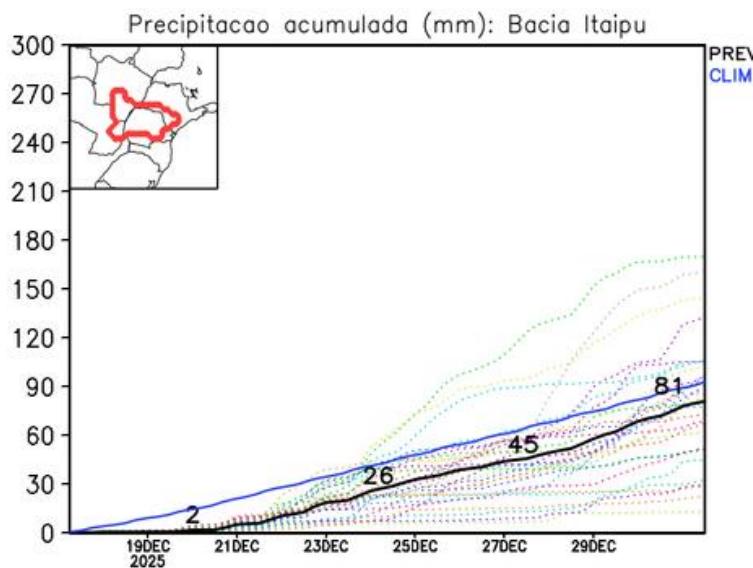
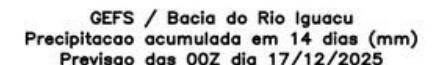
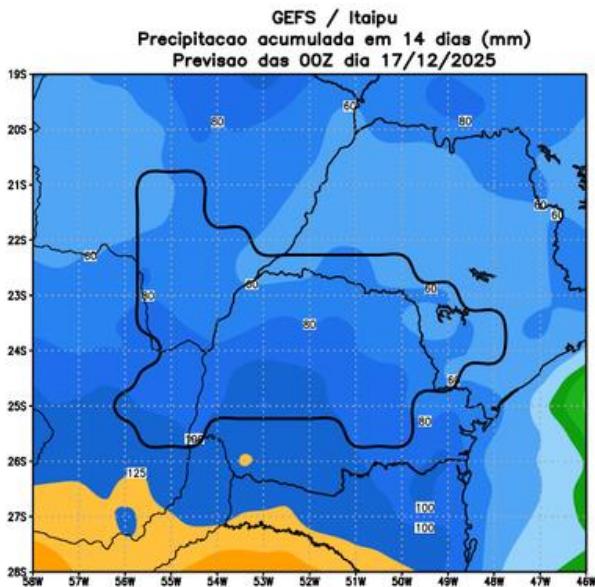
GEFS / Bacia do Rio Paranapanema  
Precipitação acumulada em 14 dias (mm)  
Previsão das 00Z dia 17/12/2025



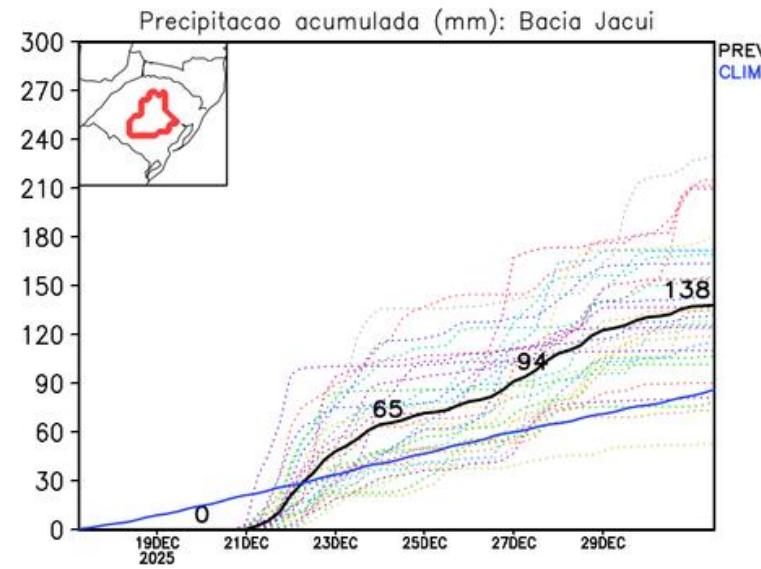
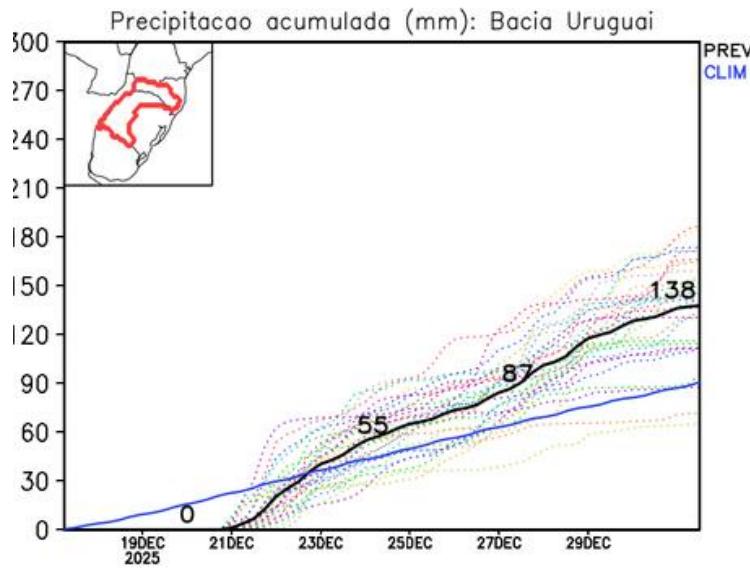
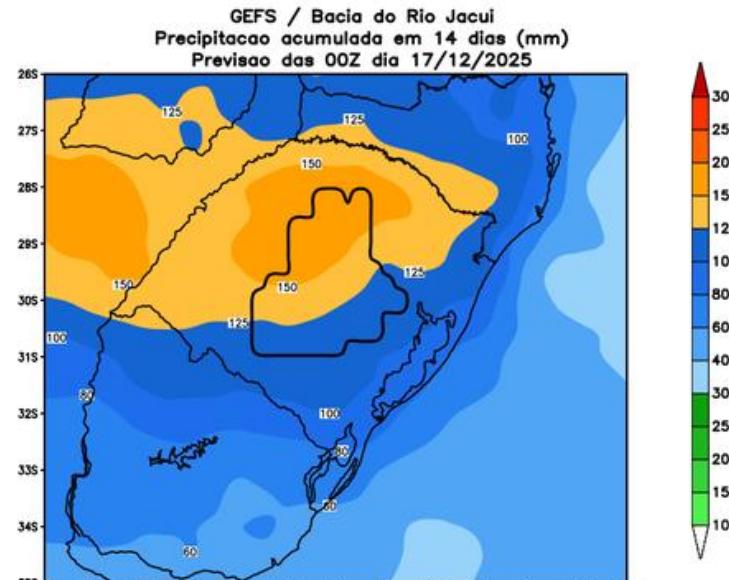
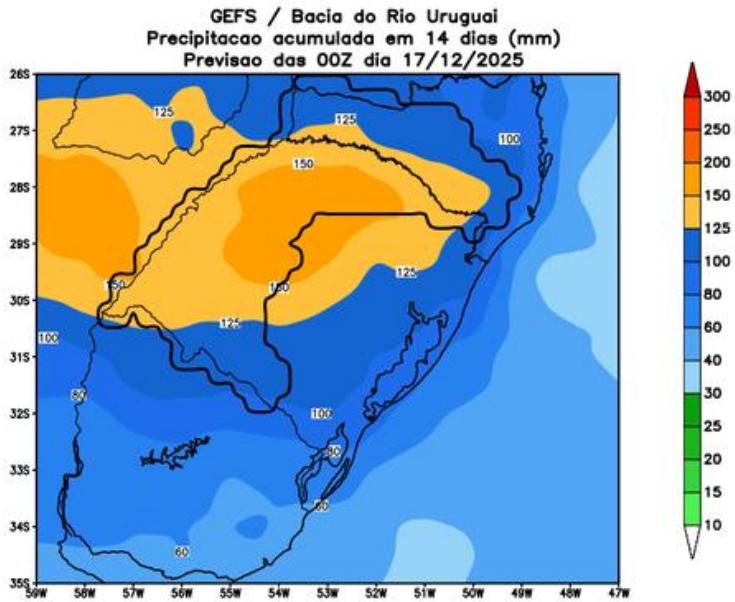
MODELO GEFS



# Previsão para as principais bacias



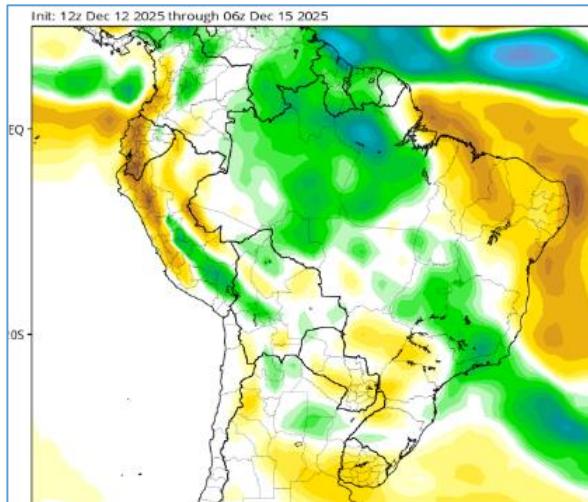
# Previsão para as principais bacias



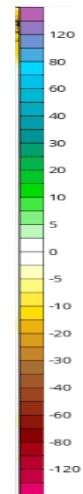
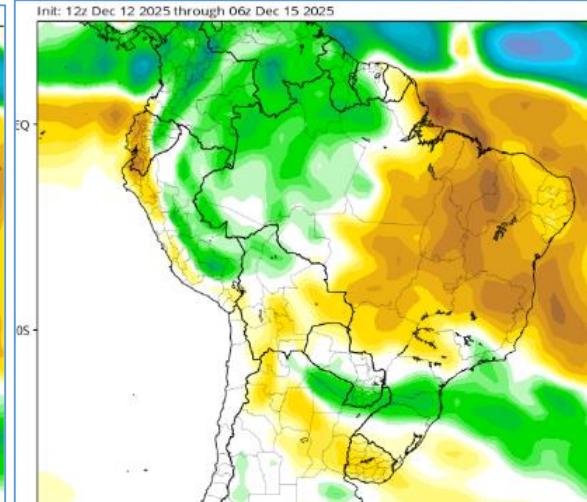
# Anomalia de Chuva 3a e 4a semanas

Modelo  
Americano  
CFS/NOAA

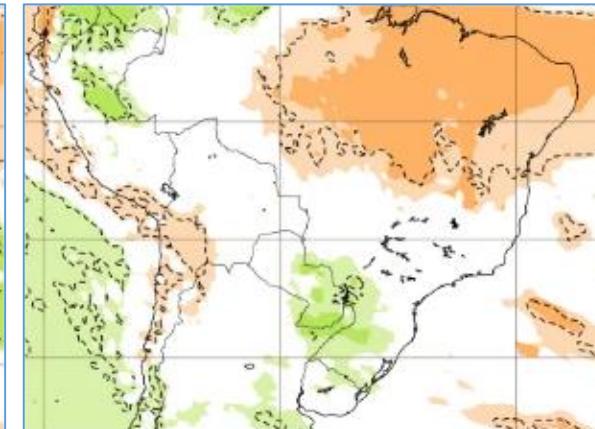
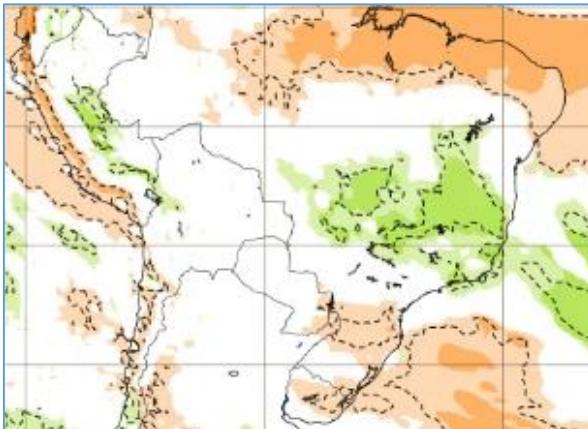
29 Dez – 06 Jan



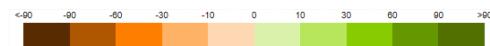
06-13 Jan



Modelo Europeu  
ECMWF



29 Dez – 06 Jan

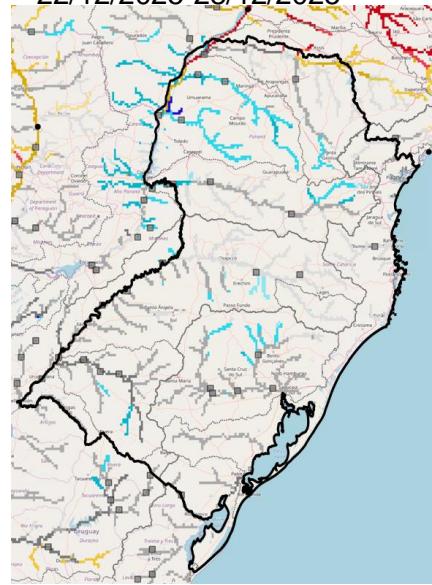


06-13 Jan

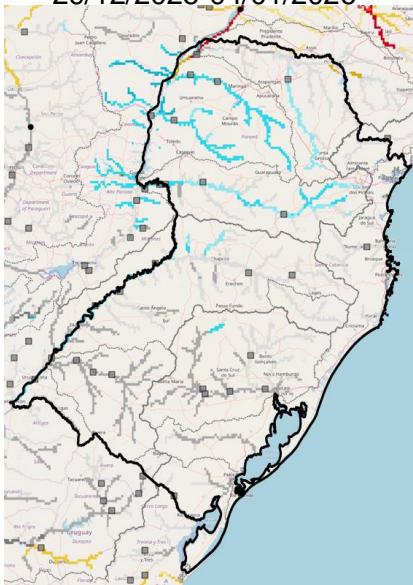
# Previsão Sub-sazonal (45 dias) para a Região Sul (Sistema Global de Previsão de Vazão - GloFAS)

Previsão: 22/12/2025 – 16/01/2026

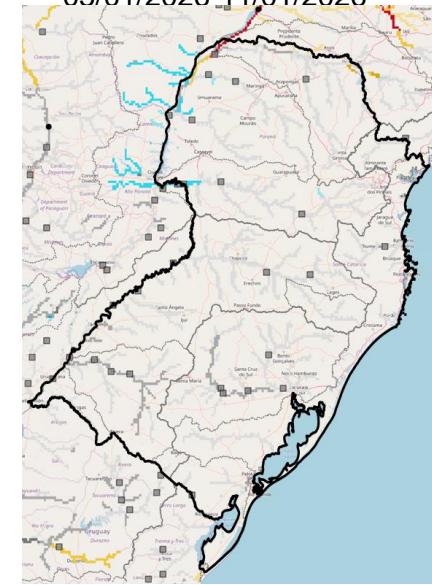
22/12/2025-28/12/2025



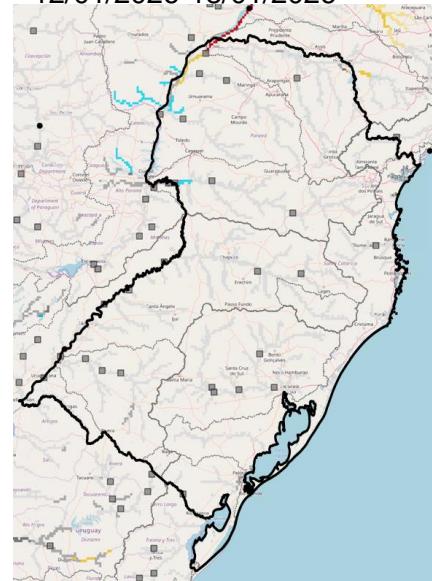
29/12/2025-04/01/2026



05/01/2026-11/01/2026



12/01/2026-18/01/2026



19/01/2026-26/01/2026



Região Sul



Bacias Hidrográficas

Categoria de anomalia  
de vazões (percentil)

Muito abaixo (1-10)

Baixa (0-10)

Média (10-20)

Alta (<20)

Abaixo (10-25)

Baixa (0-10)

Média (10-20)

Alta (<20)

Média (25-75)

Baixa (0-10)

Média (10-20)

Alta (<20)

Acima (75-90)

Baixa (0-10)

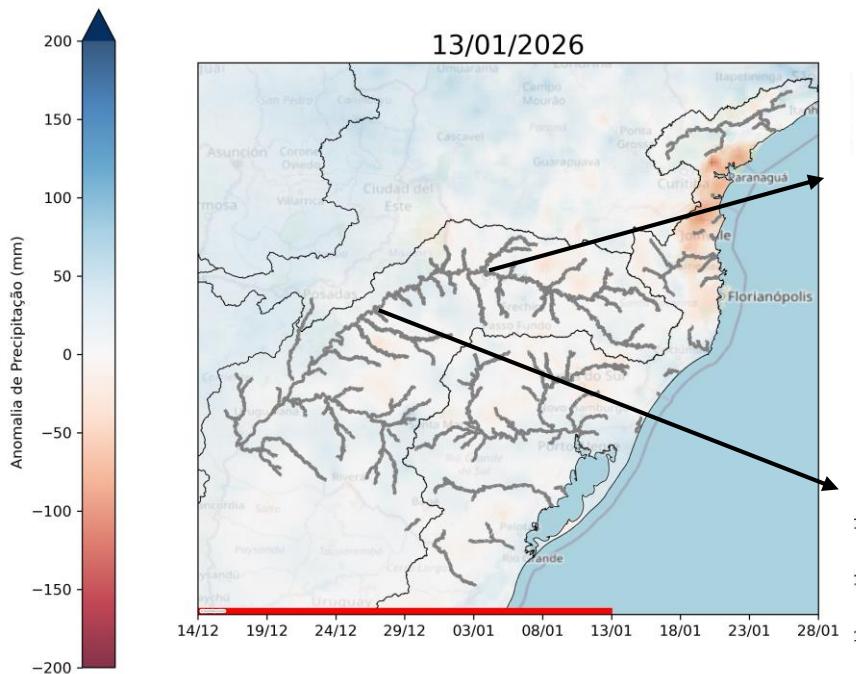
Média (10-20)

Alta (<20)

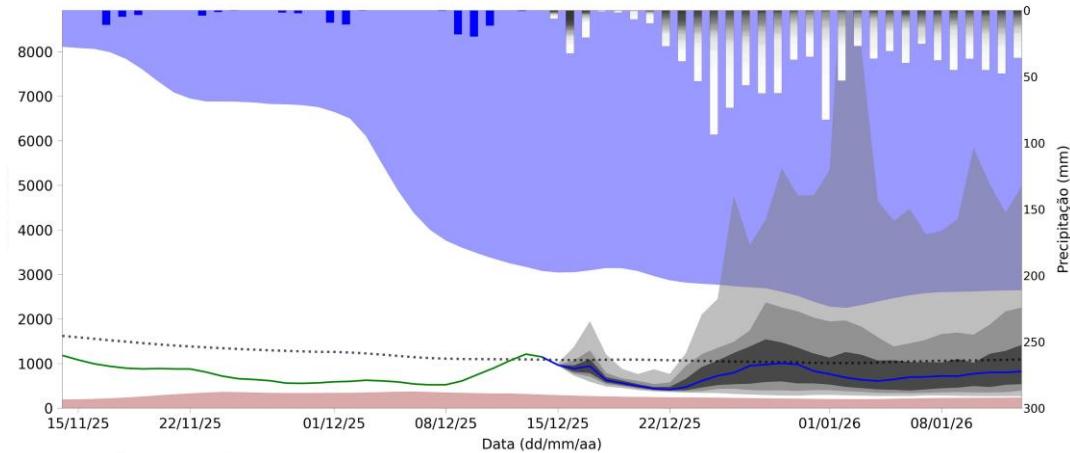
Muito acima (90-100)

## Previsão de vazão natural na Região Sul

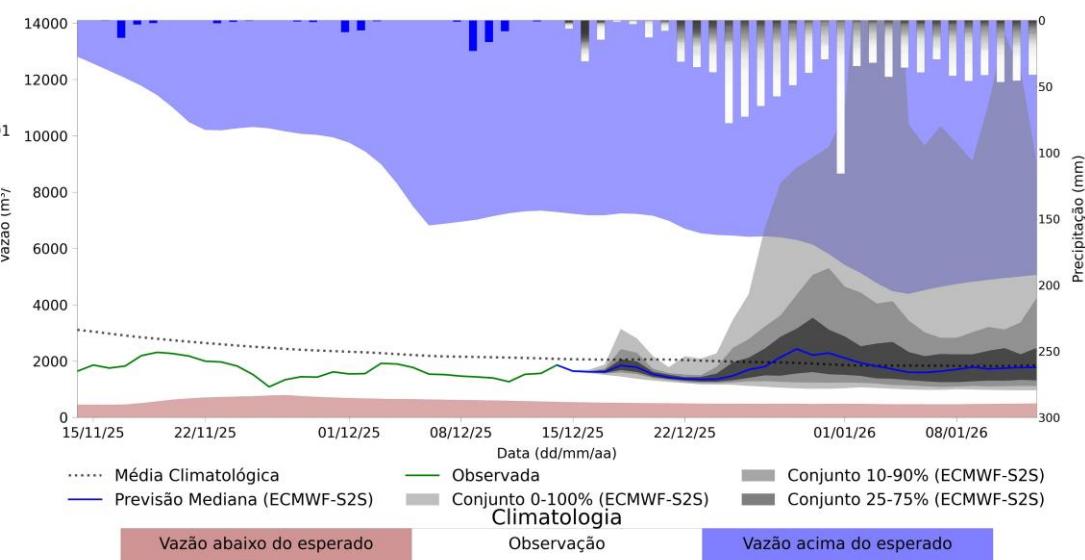
**PREVISÃO: 14/12/25 a 13/01/26**



### UHE Foz do Chapecó



### Porto Lucena - RS



Fonte: Meteorologia (INMET/MERGE);

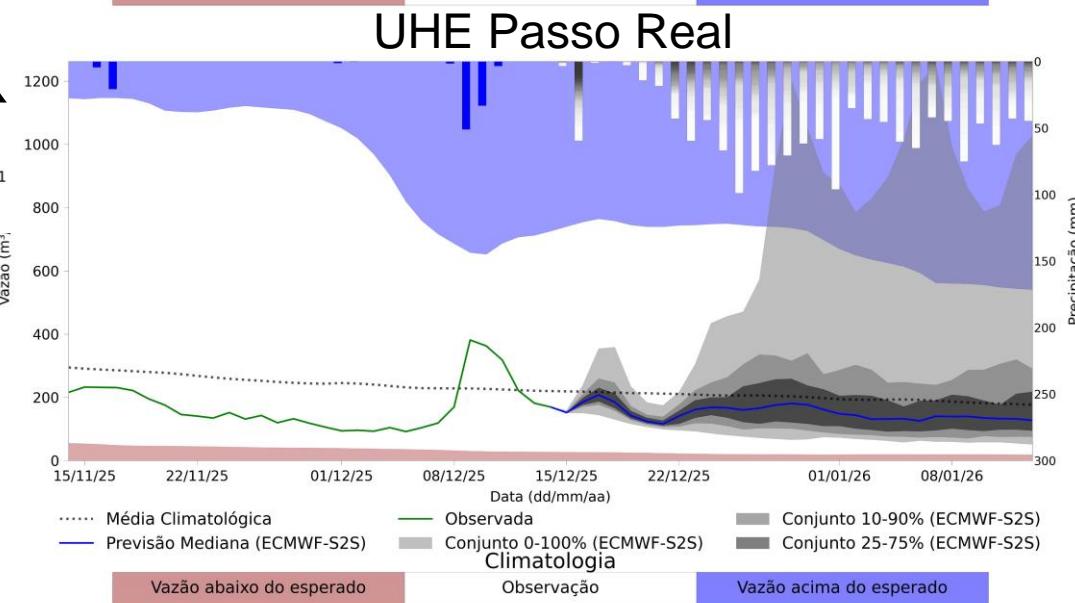
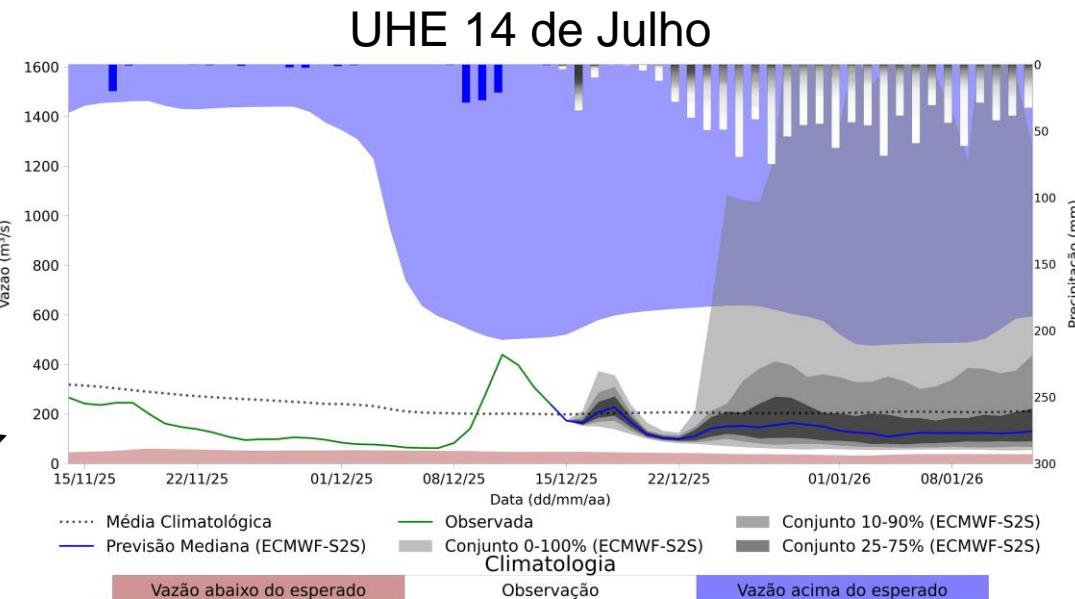
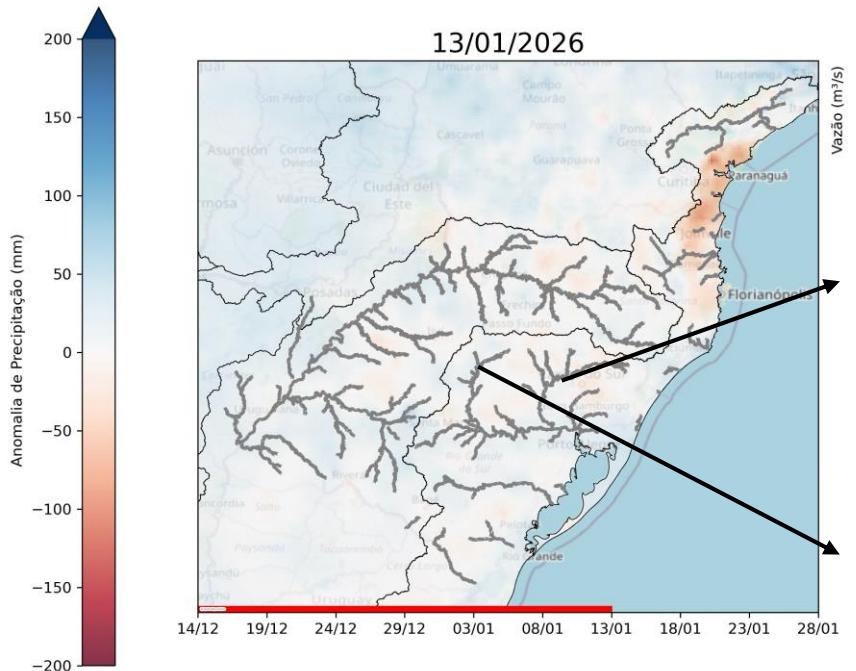
Vazão (ANA/ONS)

MLT: 2003-2024

Previsão Meteorológica: ECMWF

## Previsão de vazão natural na Região Sul

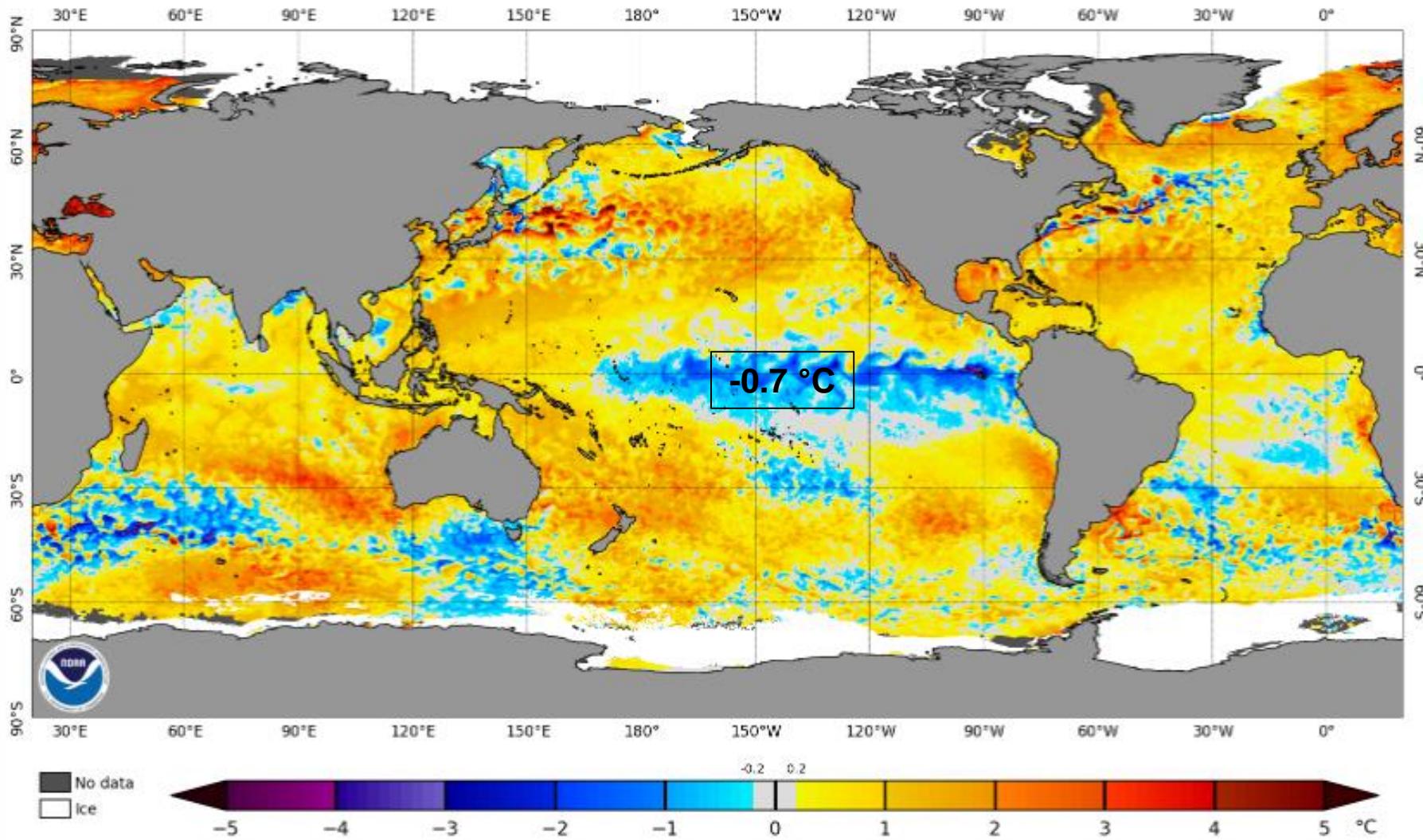
**PREVISÃO: 14/12/25 a 13/01/26**



Fonte: Meteorologia (INMET/MERGE);  
Vazão (ANA/ONS)  
MLT: 2003-2024  
Previsão Meteorológica: ECMWF

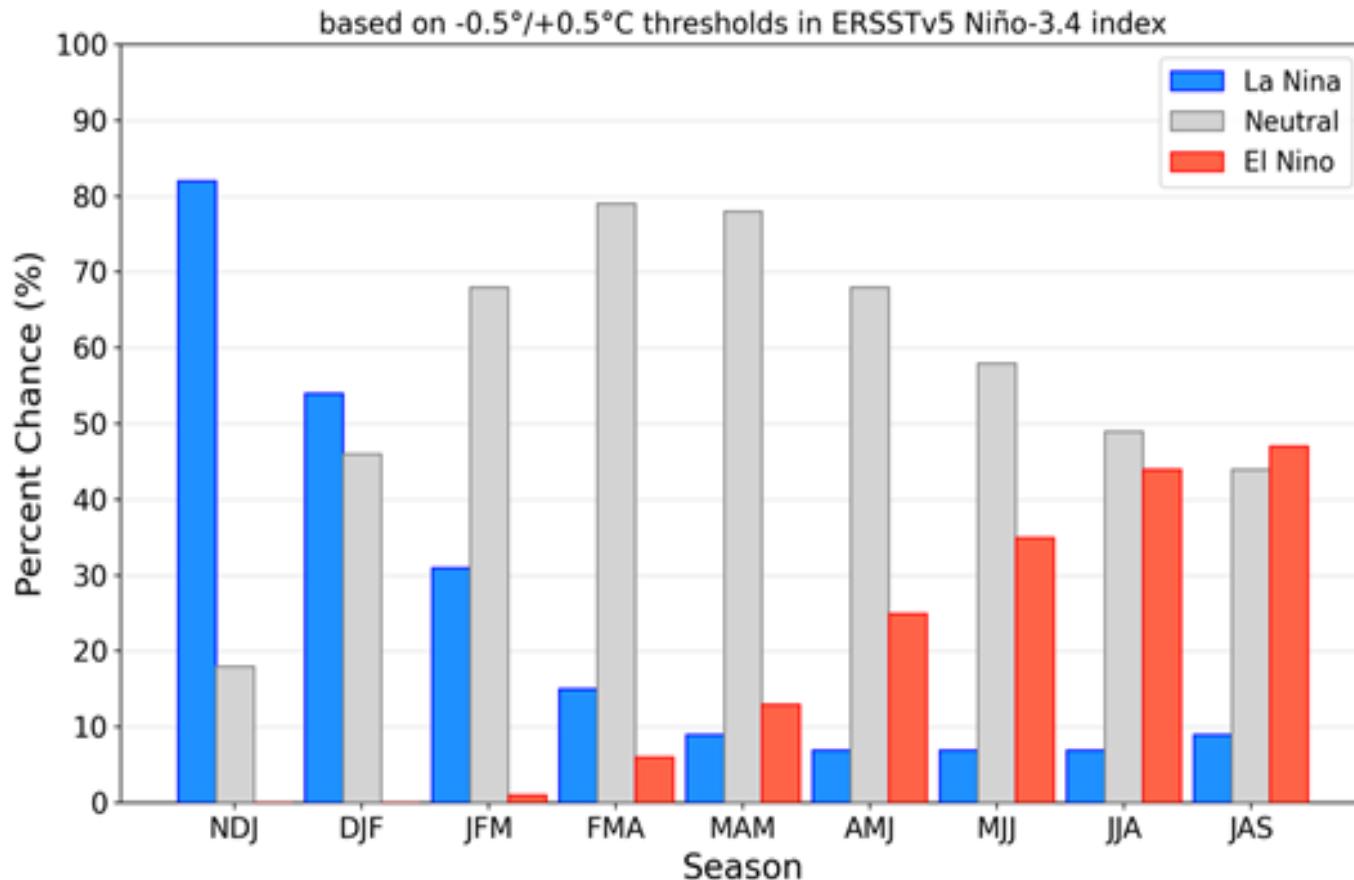
# Situação Oceânica Status La Niña

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 14 Dec 2025

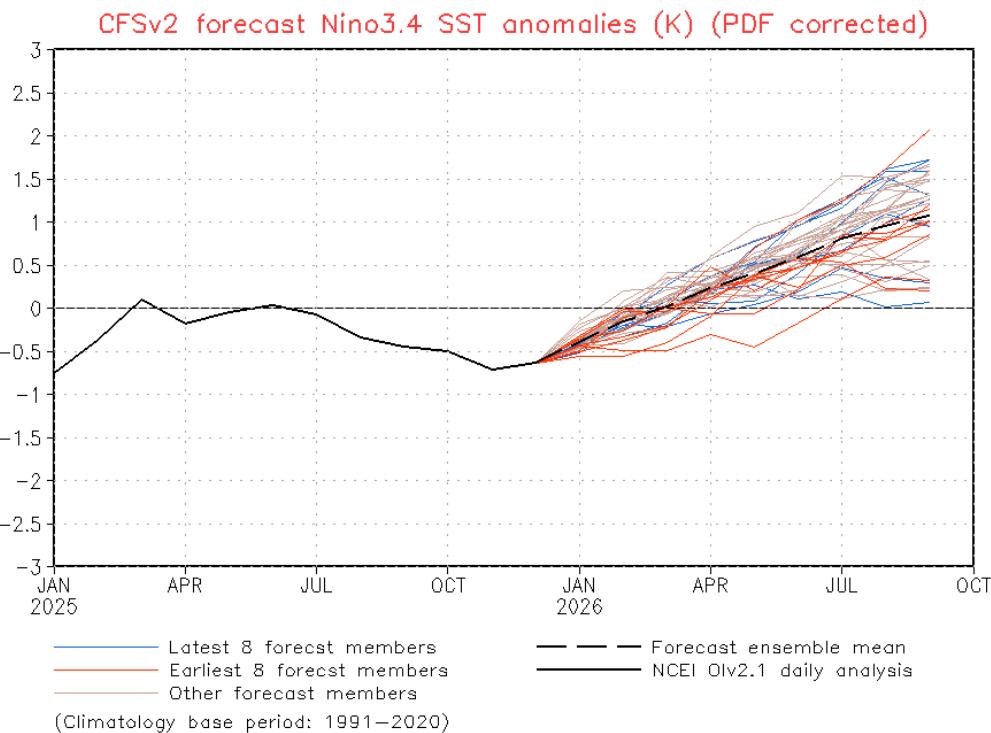
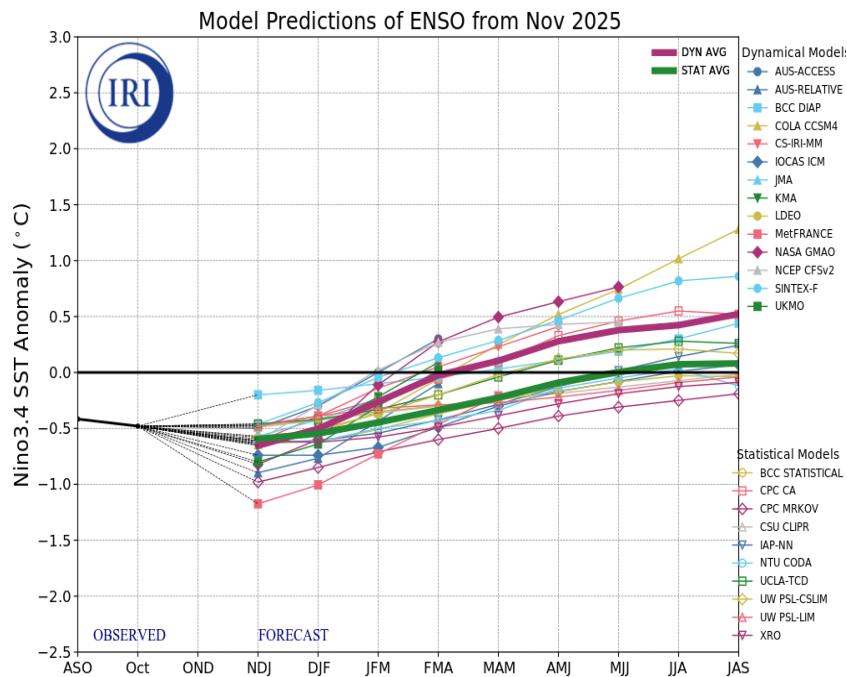


## Previsão do “ENSO”

### Official NOAA CPC ENSO Probabilities (issued December 2025)



## Previsão do “ENSO”



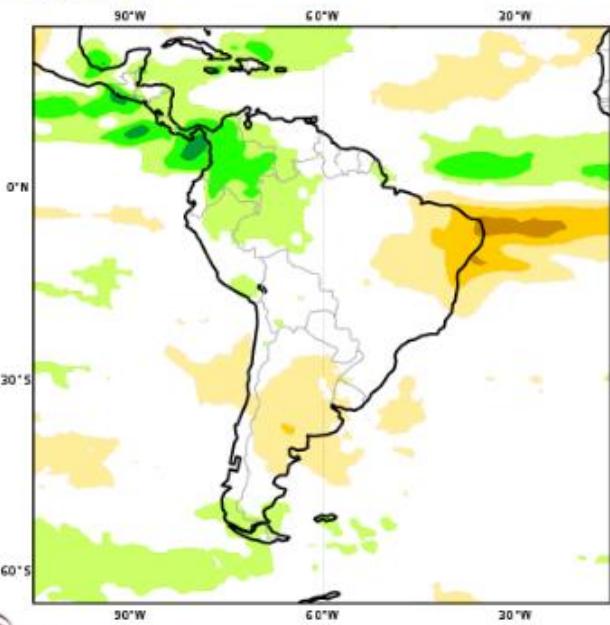
# Previsão Sazonal de Chuva Multi-Modelo

## Dezembro-Janeiro-Fevereiro

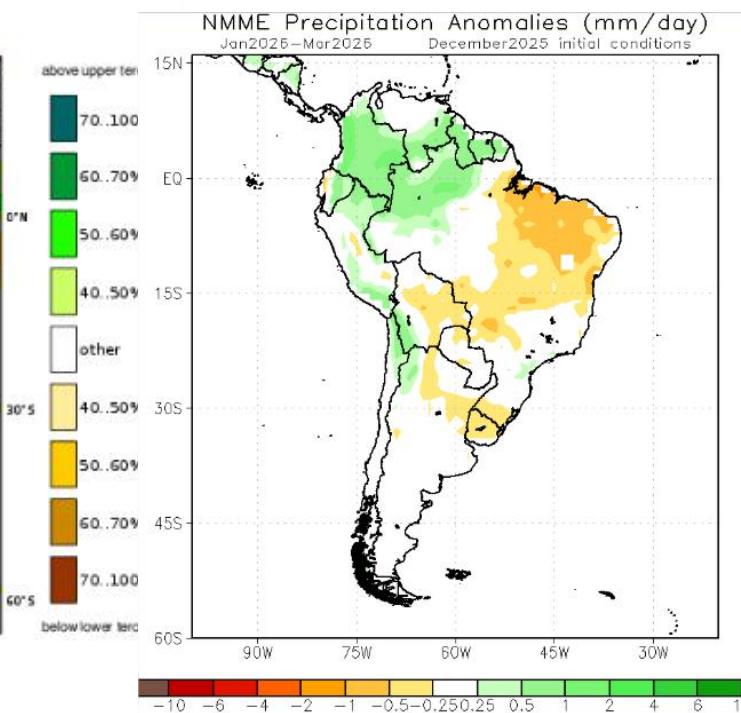
Prob(most likely category of precipitation)

Nominal forecast start: 01/12/25

Unweighted mean

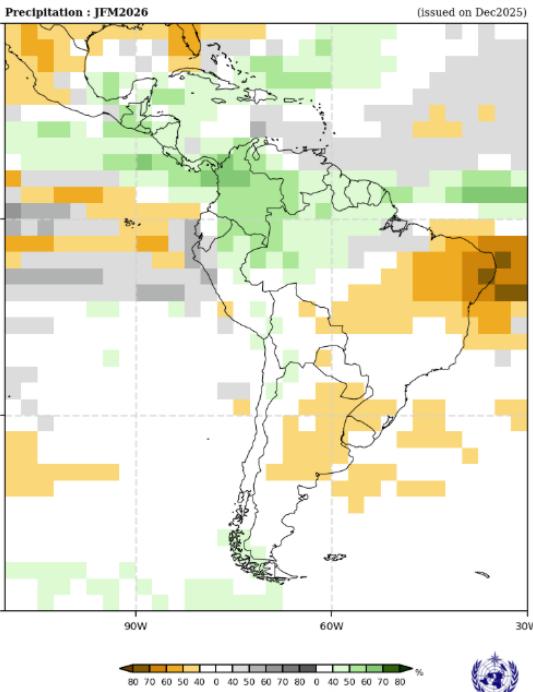


JFM 2026



Modelos “Europeus”

Modelos Norte Americanos



Modelos da WMO

