



CEMADEN

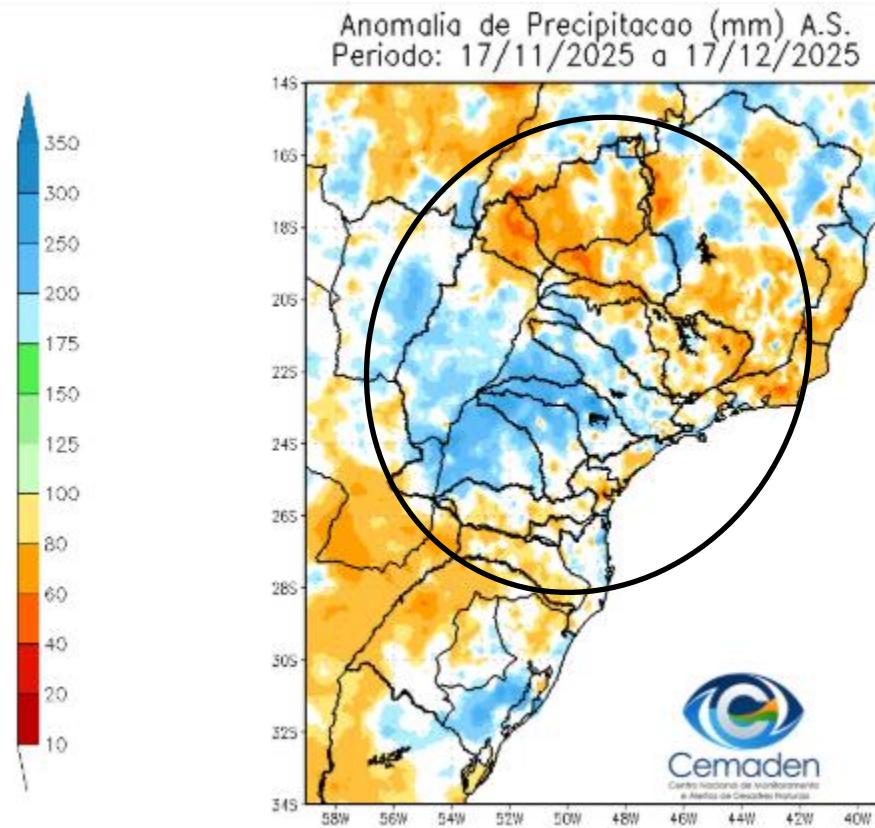
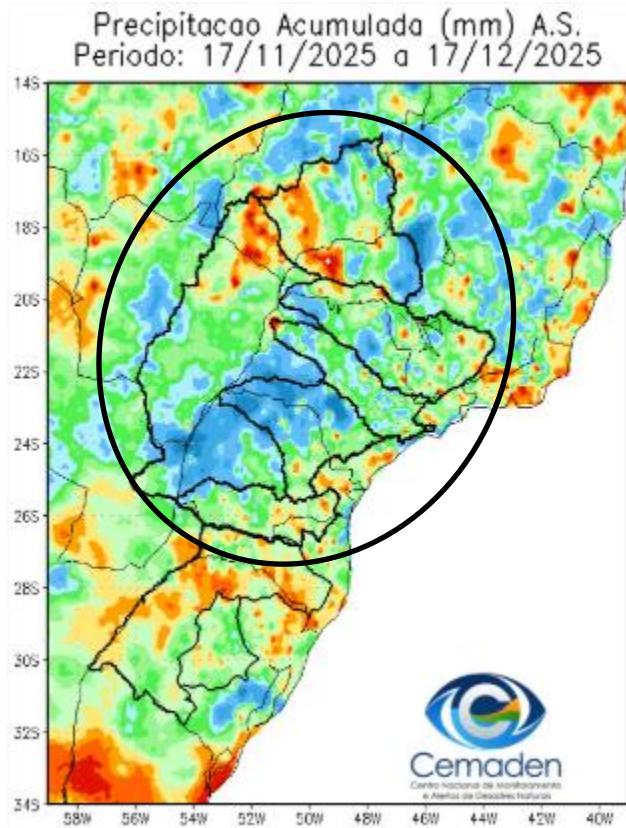
Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

Monitoramento e Previsões
para a
Bacia do rio Paraná

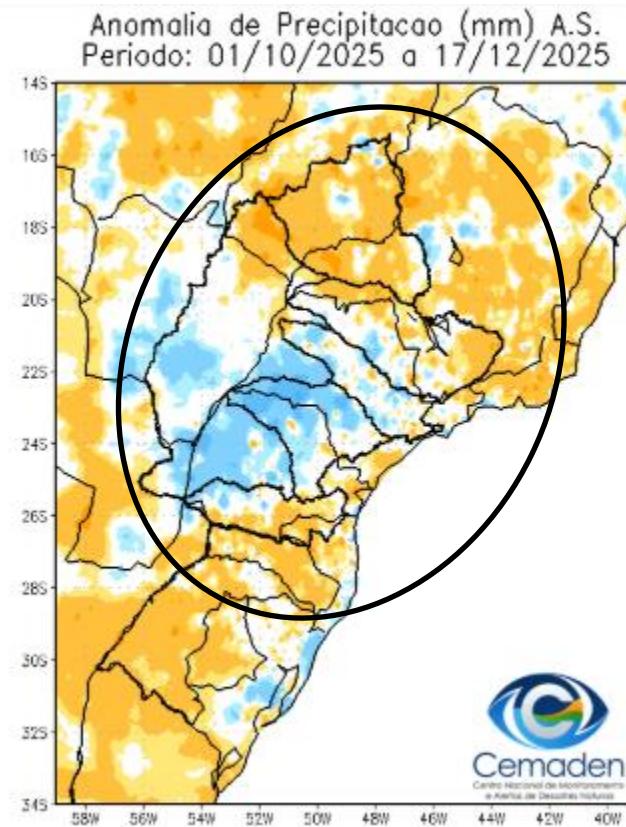
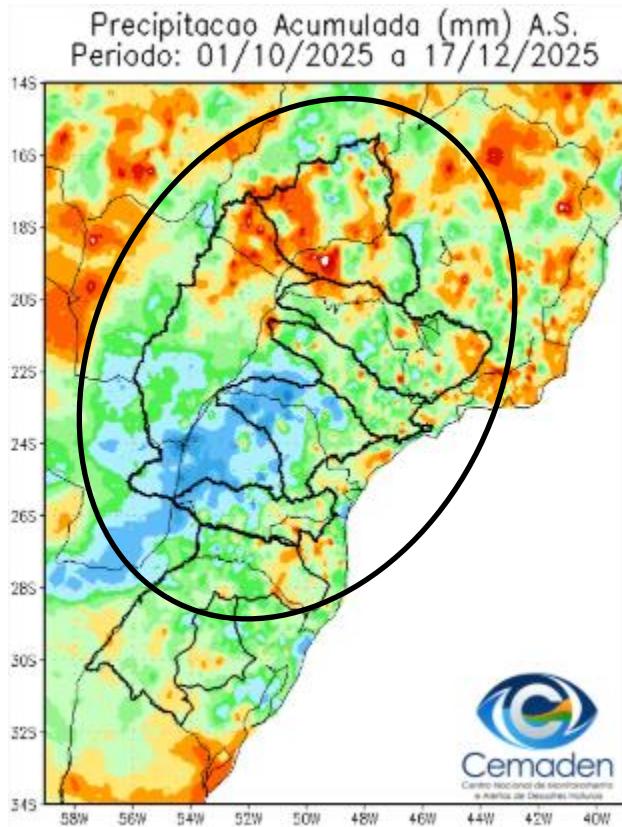
Dezembro de 2025



Precipitação acumulada nos últimos 30 dias

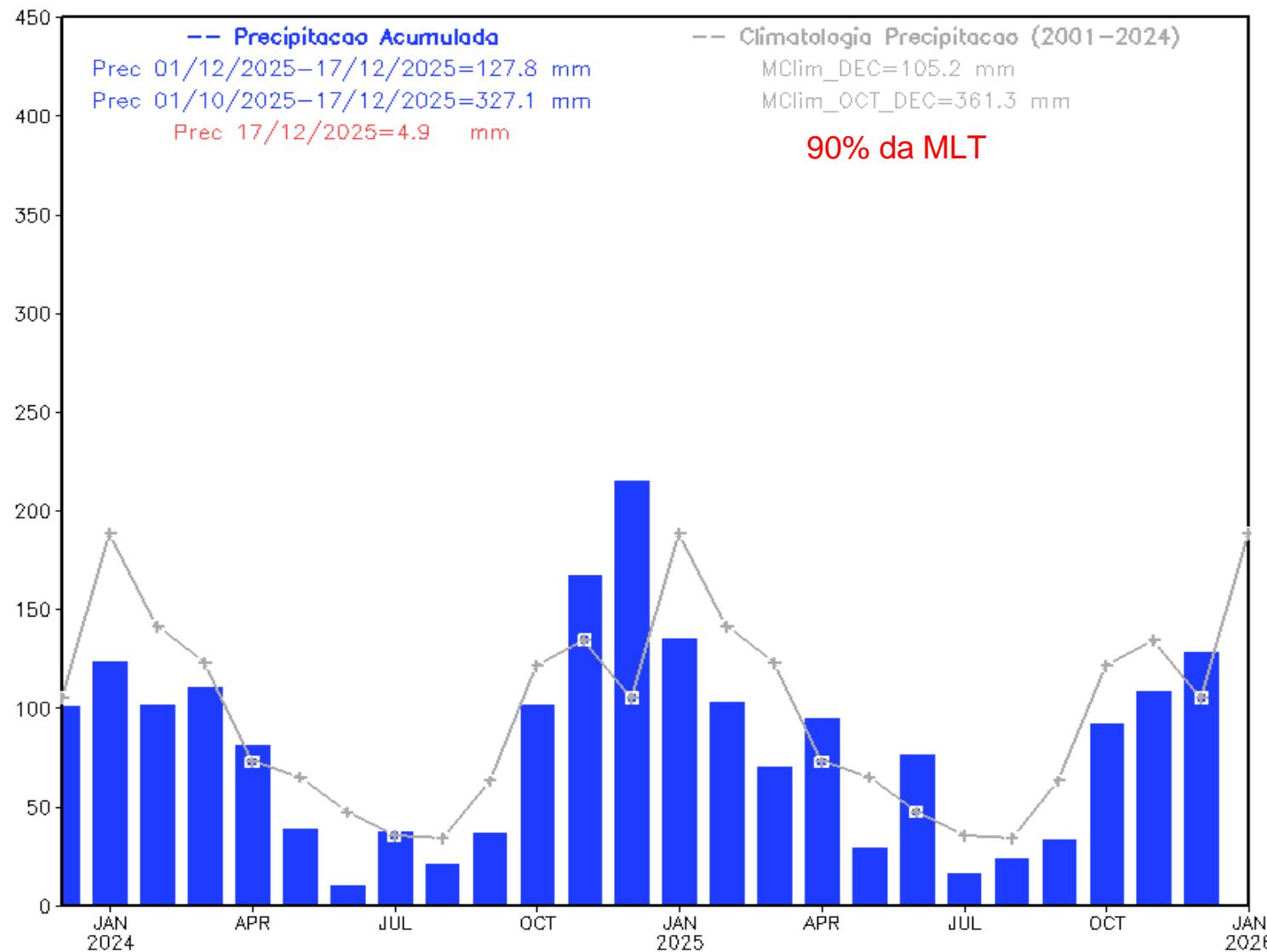


Precipitação acumulada no ano hidrológico

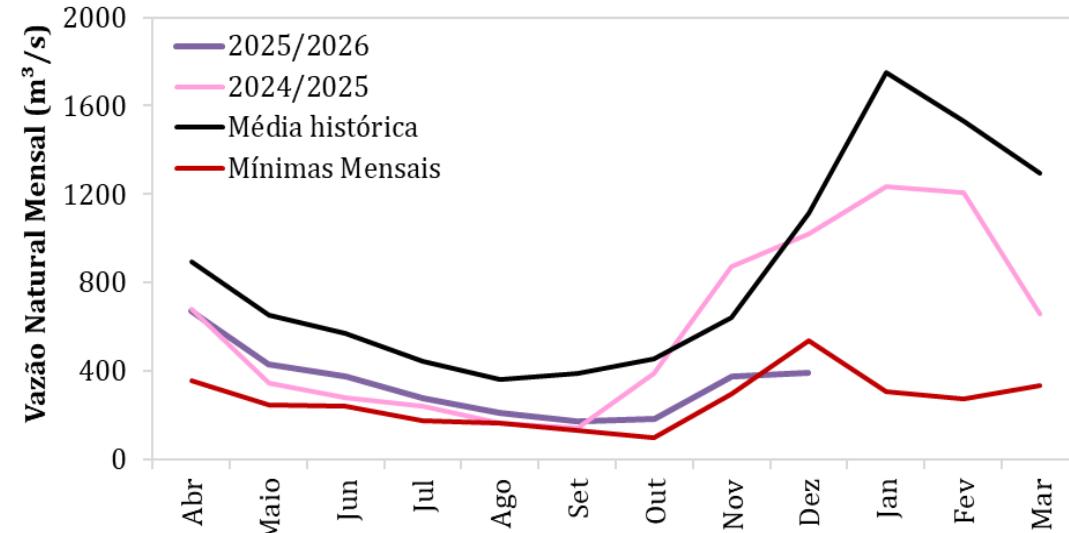
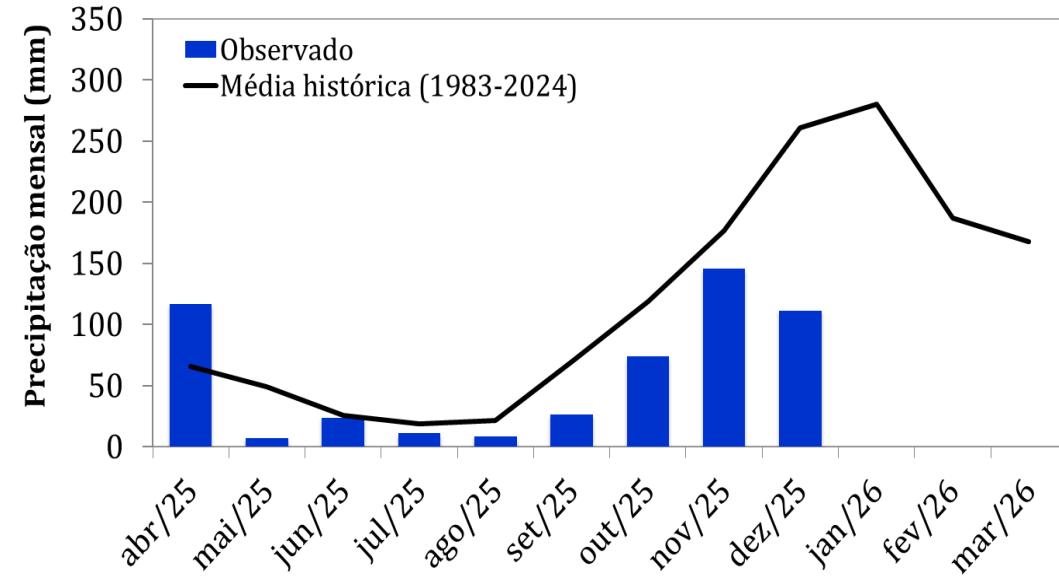


Precipitação acumulada nos últimos 24 meses

Precipitação Bacia do Rio Paraná desde DEC 2023



Monitoramento UHE Furnas



Média de Longo Término – MLT = 1983-

Precipitação

Estação Chuvosa - Out a Mar – 1192 mm
2024/2025: 1148 mm (**96% da MLT**)
2025/2026*: 331 mm (**65% da MLT PARCIAL**)

Estação Seca - Abr a Set – 250 mm

2024: 102 mm (**41% da MLT**)
2025: 193 mm (**77% da MLT**)

Nov/2025: 146 mm (**82% da MLT**)

Dez/2025*: 111 mm (**82% da MLT PARCIAL**)

*Até 16/12/2025

Vazão

Estação Chuvosa - Out a Mar – 1130 m³/s
2024/2025: 897 m³/s (**79% da MLT**)
2025/2026**: 315 m³/s (**28% da MLT**)

Estação Seca - Abr a Set – 551 m³/s

2024: 309 m³/s (**56% da MLT**)
2025: 356 m³/s (**65% da MLT**)

Nov/25: 373 m³/s (**58% da MLT**)

Dez/25**: 389 m³/s (**35% da MLT**)

16/Dez/25: 570 m³/s (**51% da MLT**)

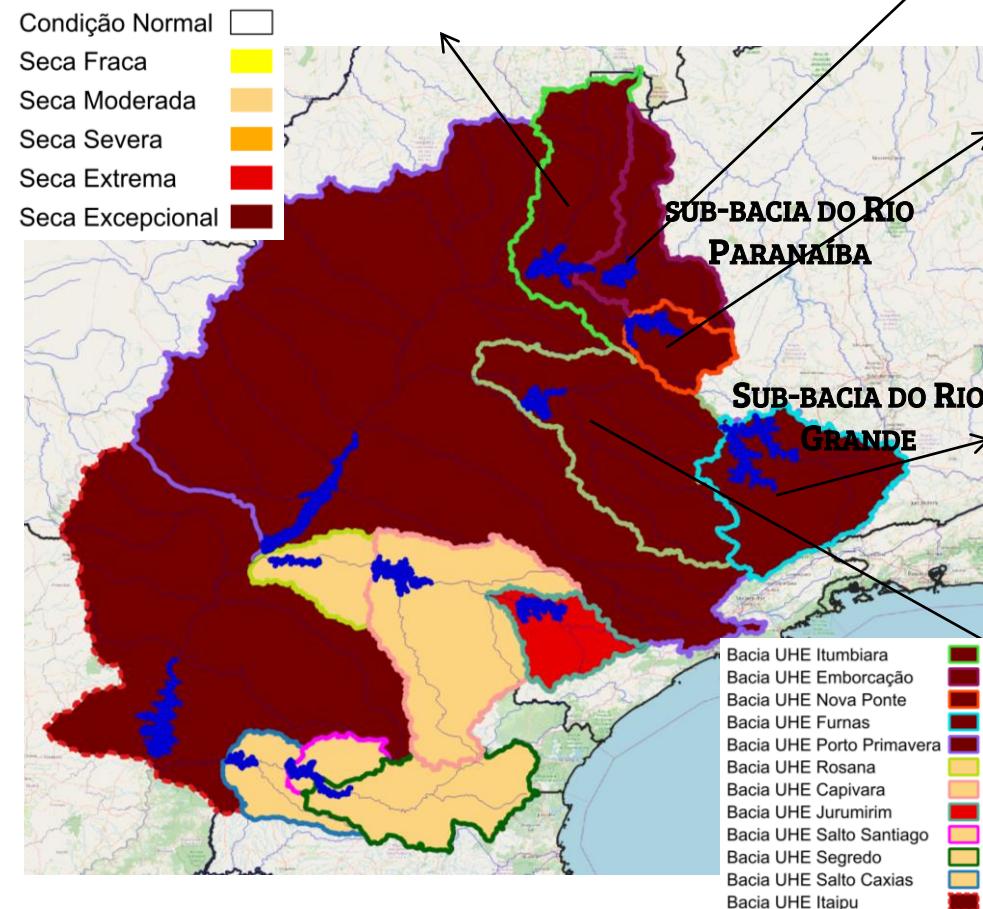
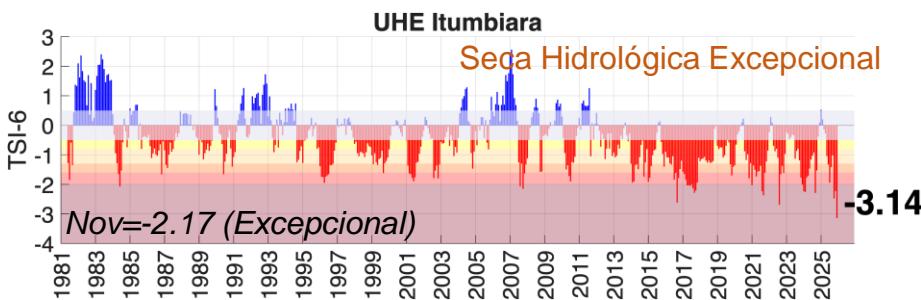
**Até 16/12/2025

Dados de precipitação: INMET, ANA, CEMADEN

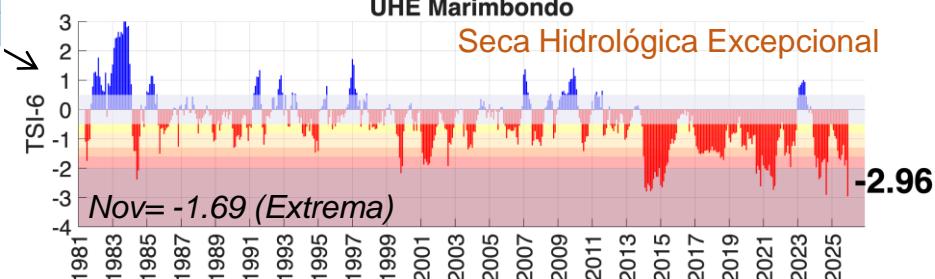
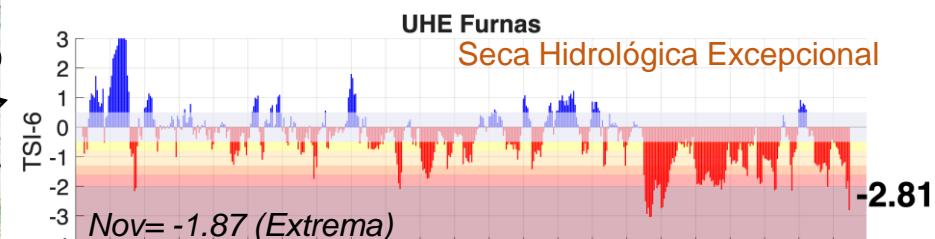
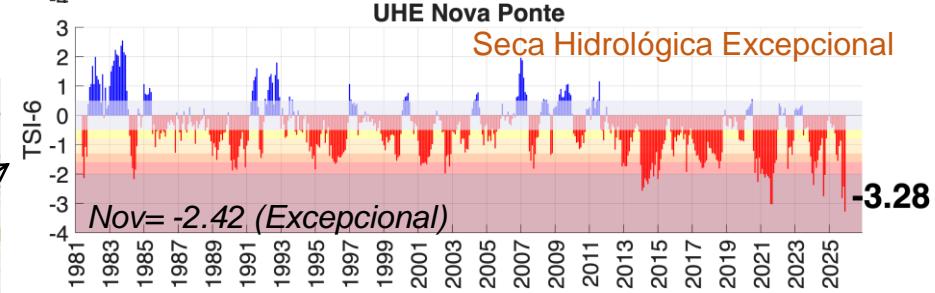
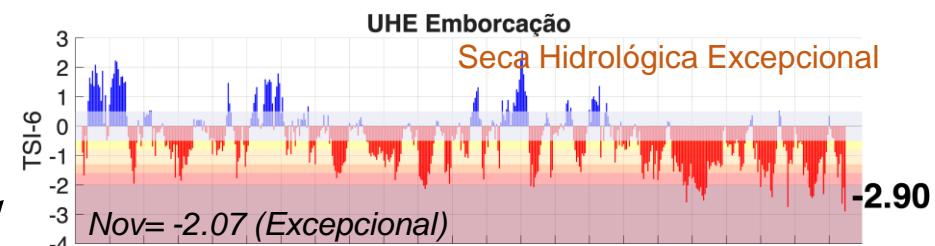
Dados de vazão: ONS e ANA

BACIA DO RIO PARANÁ

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

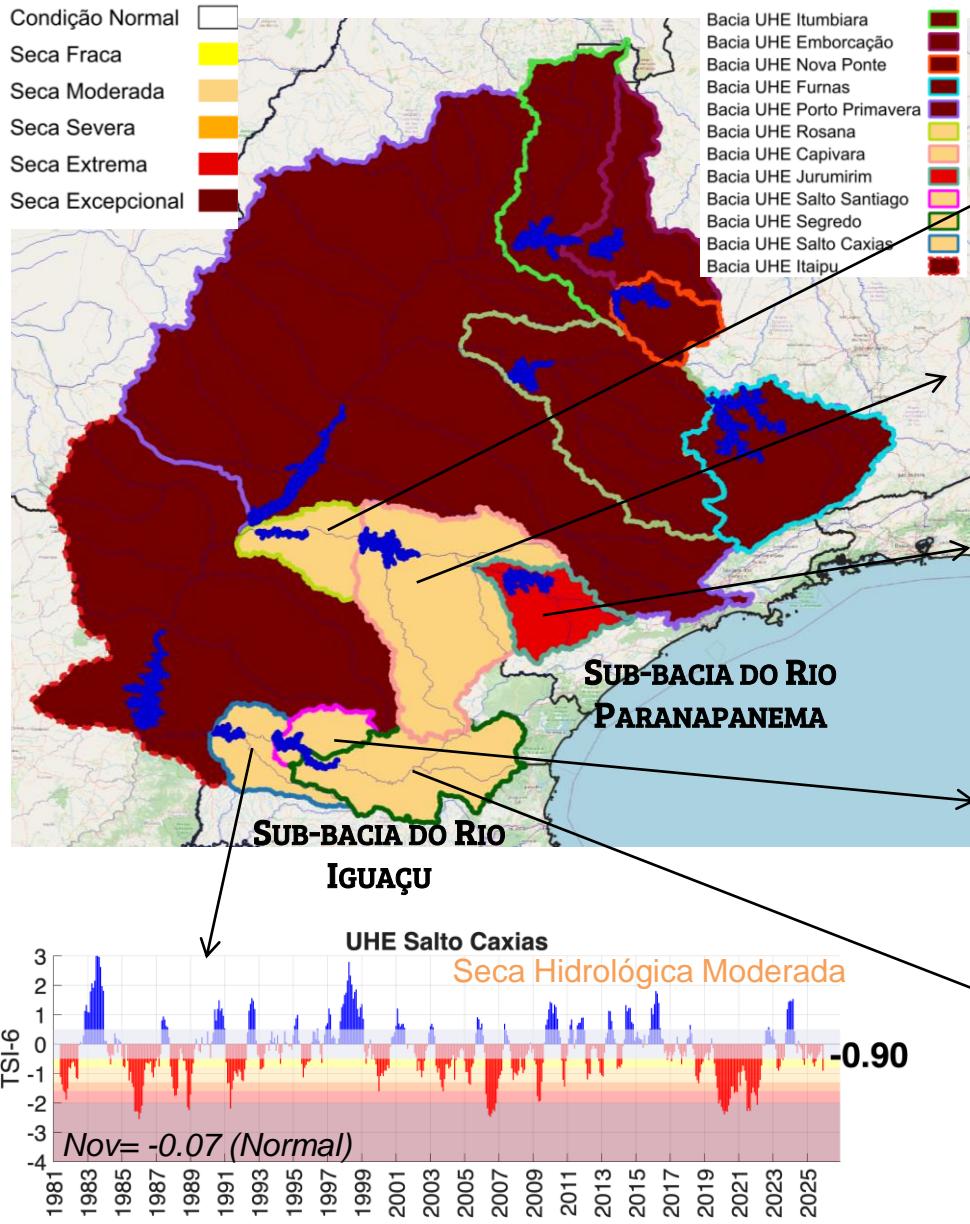


Dez/25 - Parcial

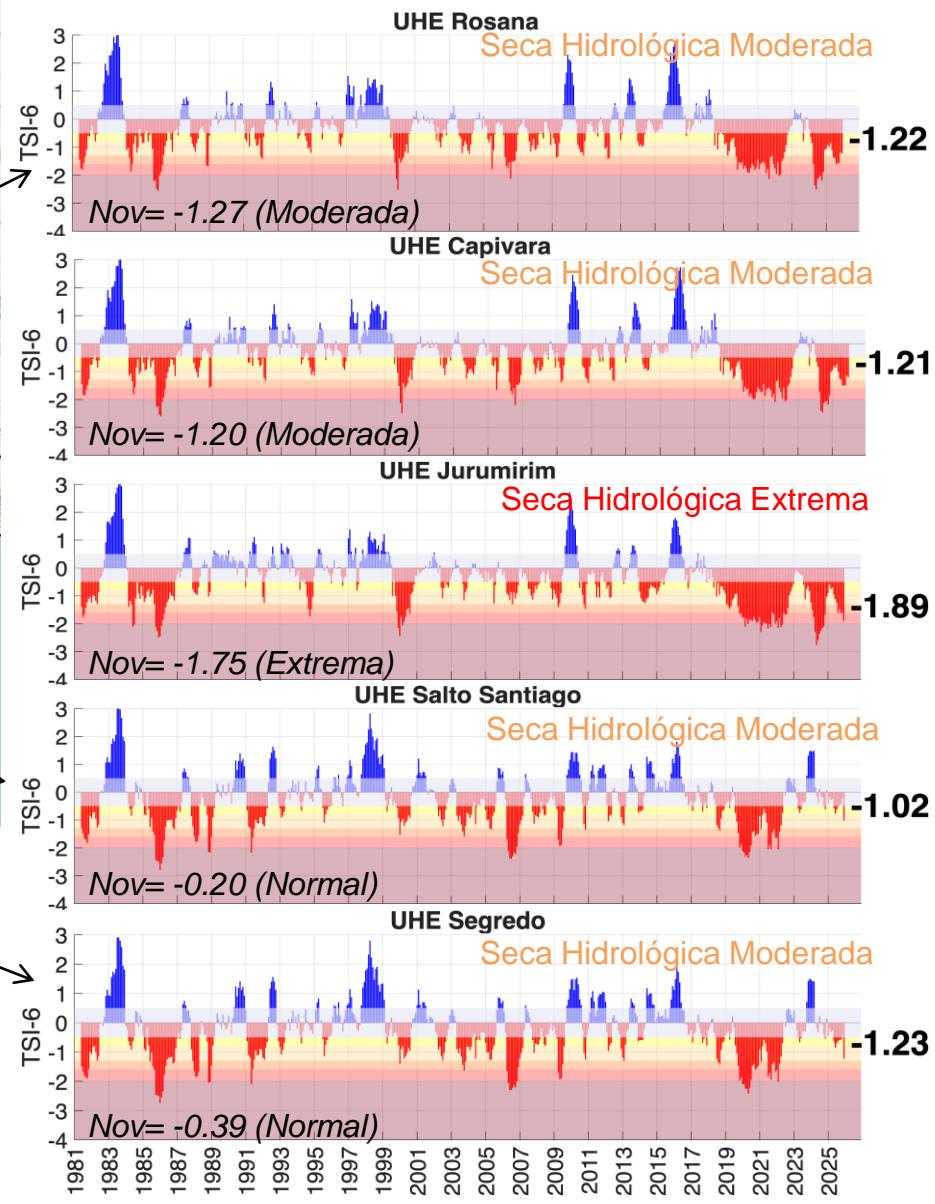


BACIA DO RIO PARANÁ

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

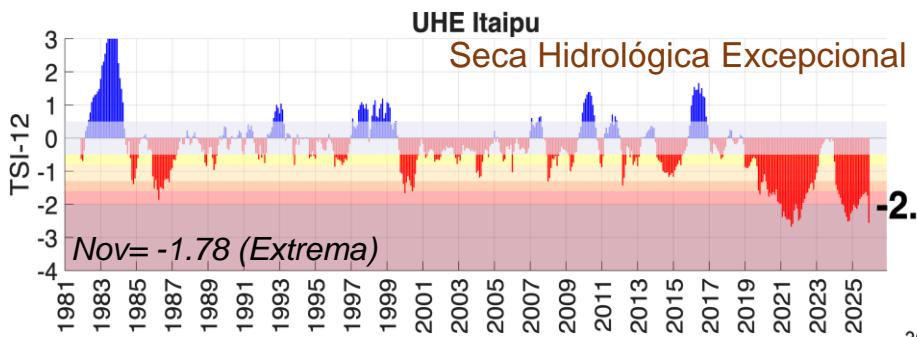
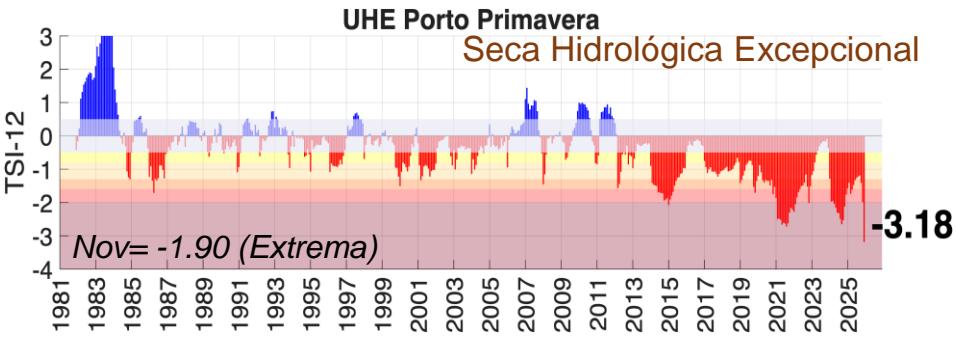


Dez/25 - Parcial

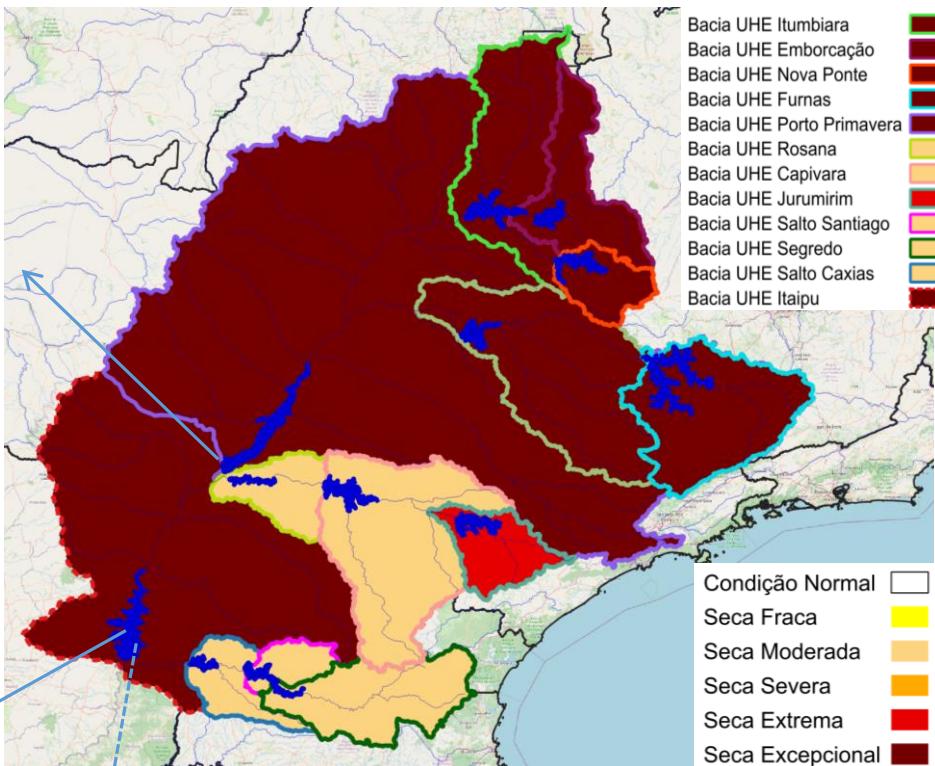


BACIA DO RIO PARANÁ

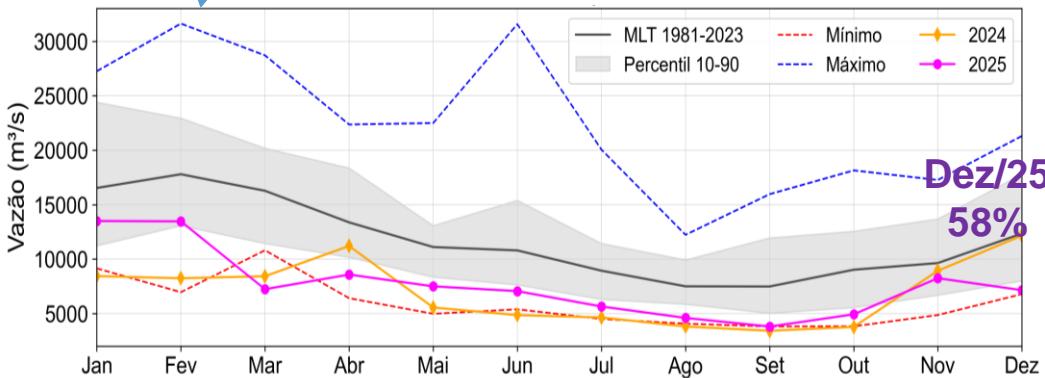
Índice de Seca Bivariado (Chuva-Vazão) – TSI 12



Dez/25 - Parcial



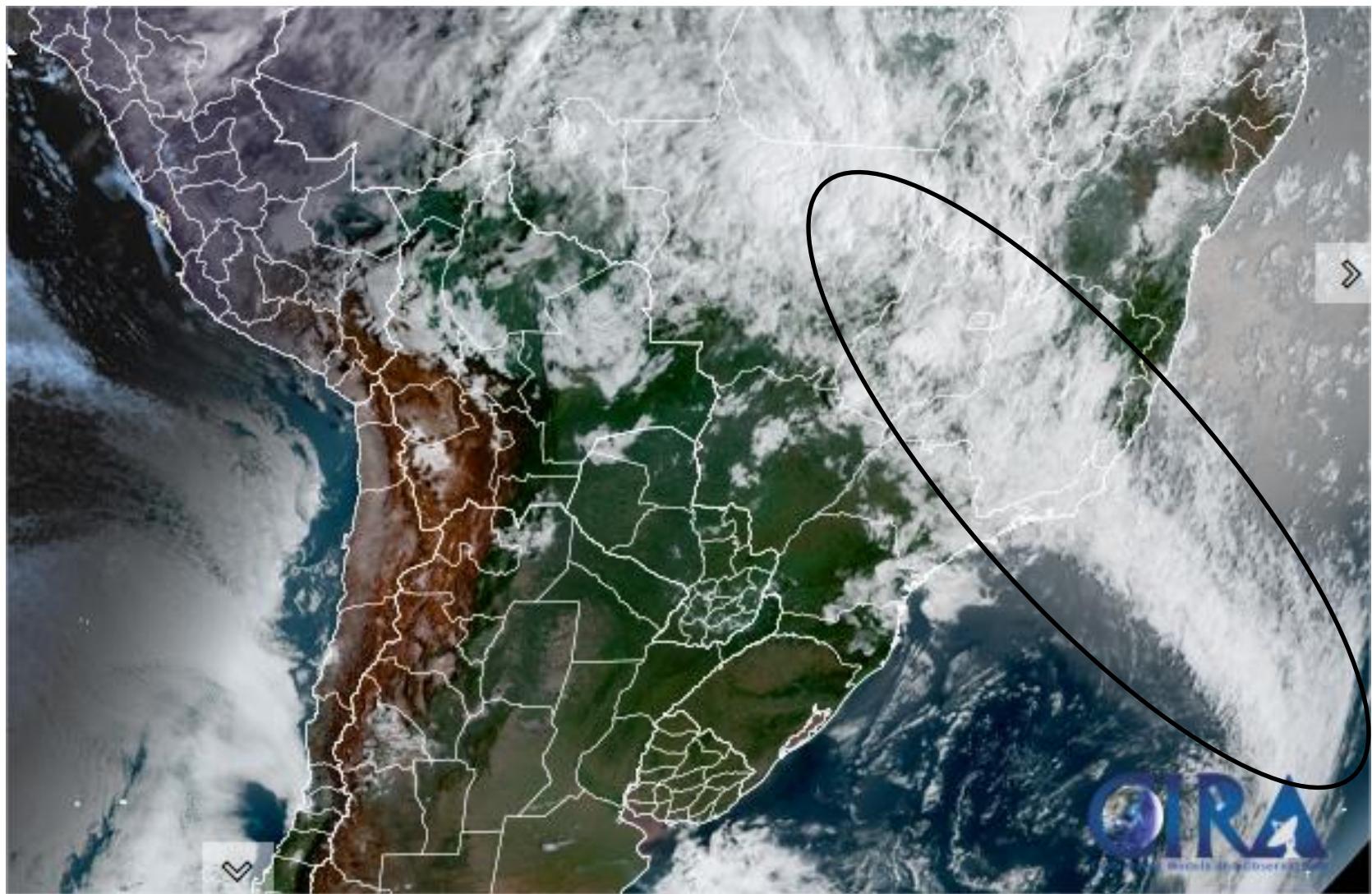
VAZÃO NATURAL - ITAIPU



Fonte: CEMADEN/MCTI

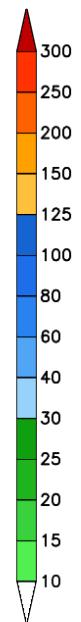
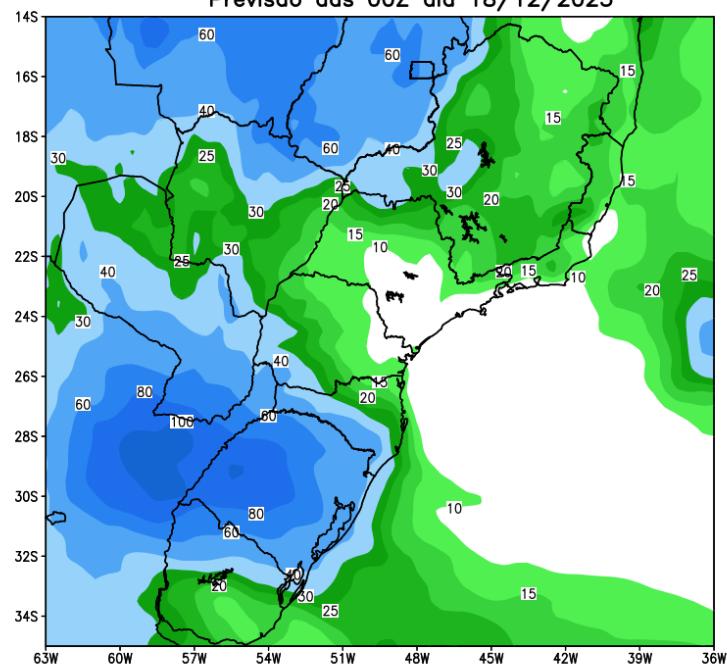
Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA) Período: Jan/1981 – Dez/2025

Situação meteorológica atual

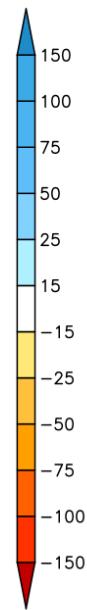
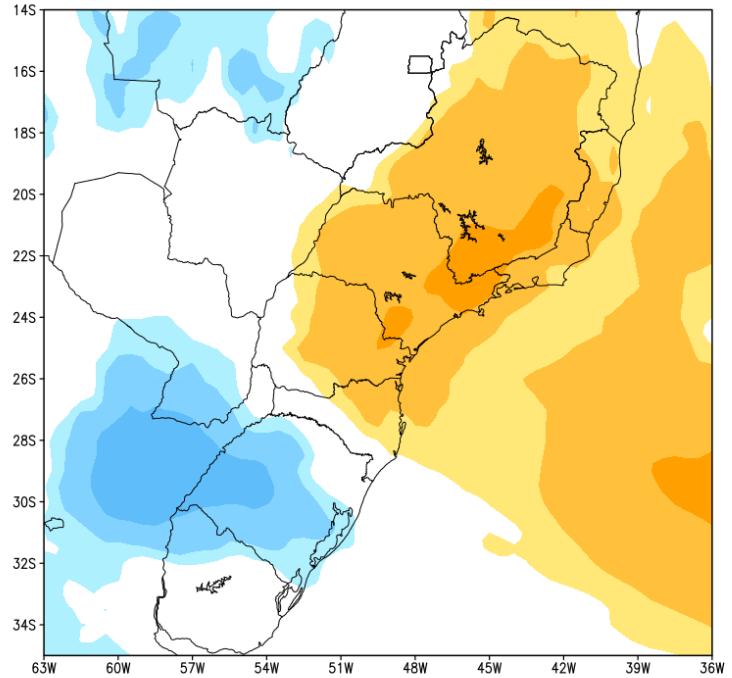


Previsão de chuva para os próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 18/12/2025

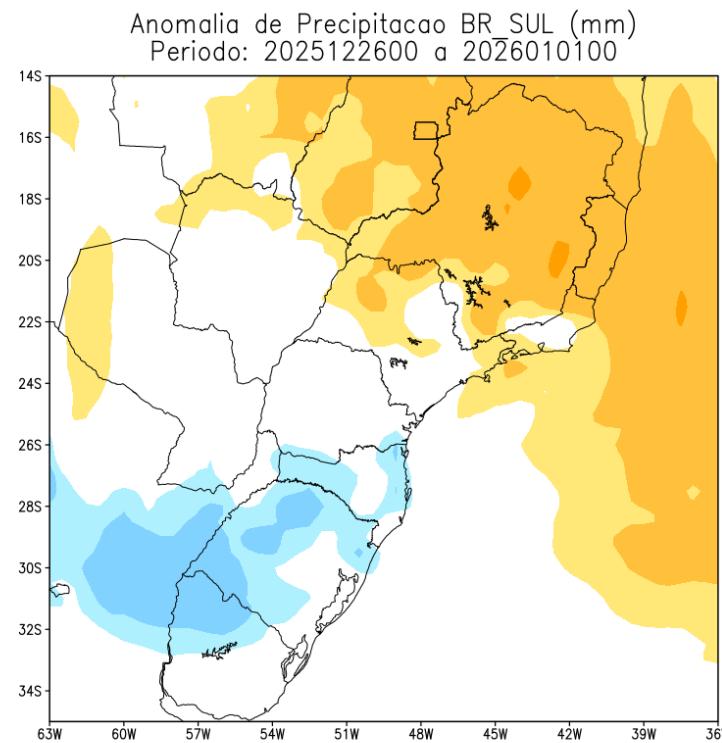
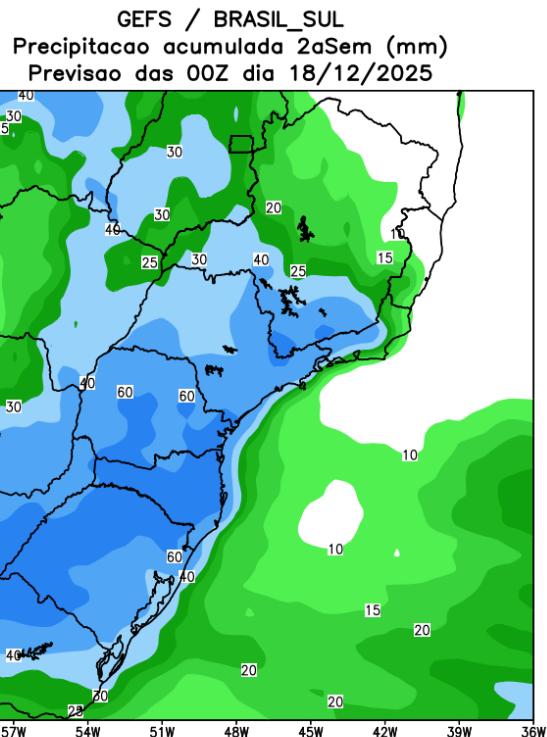


Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2025121800 a 2025122500



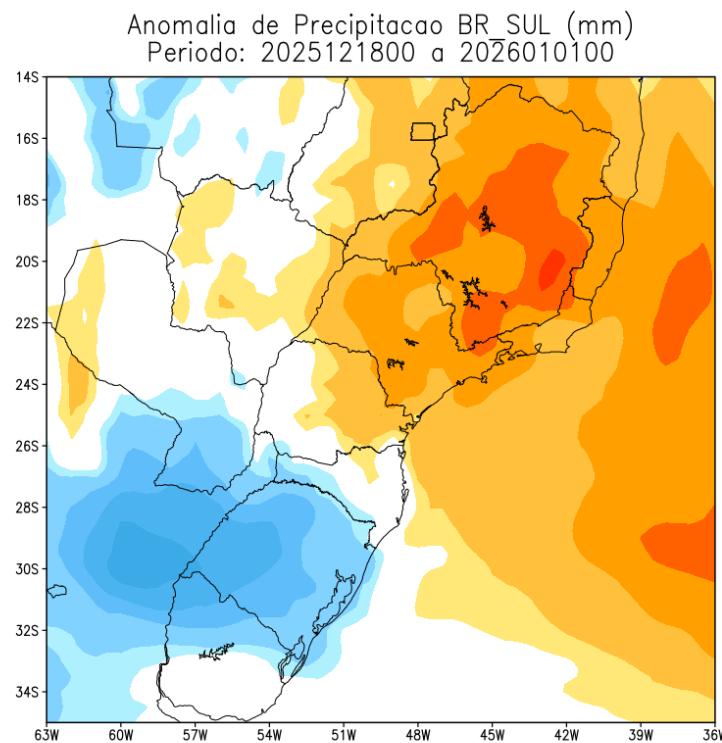
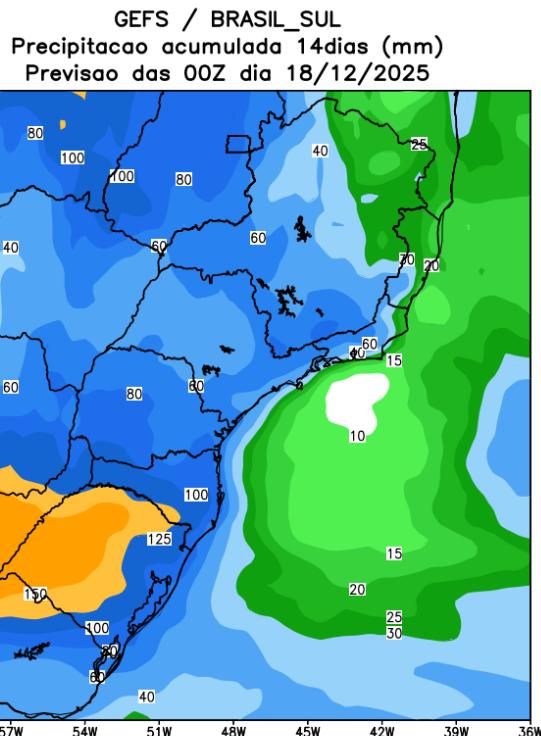
Fonte: GEFS/NOAA

Tendência para a 2ª Semana



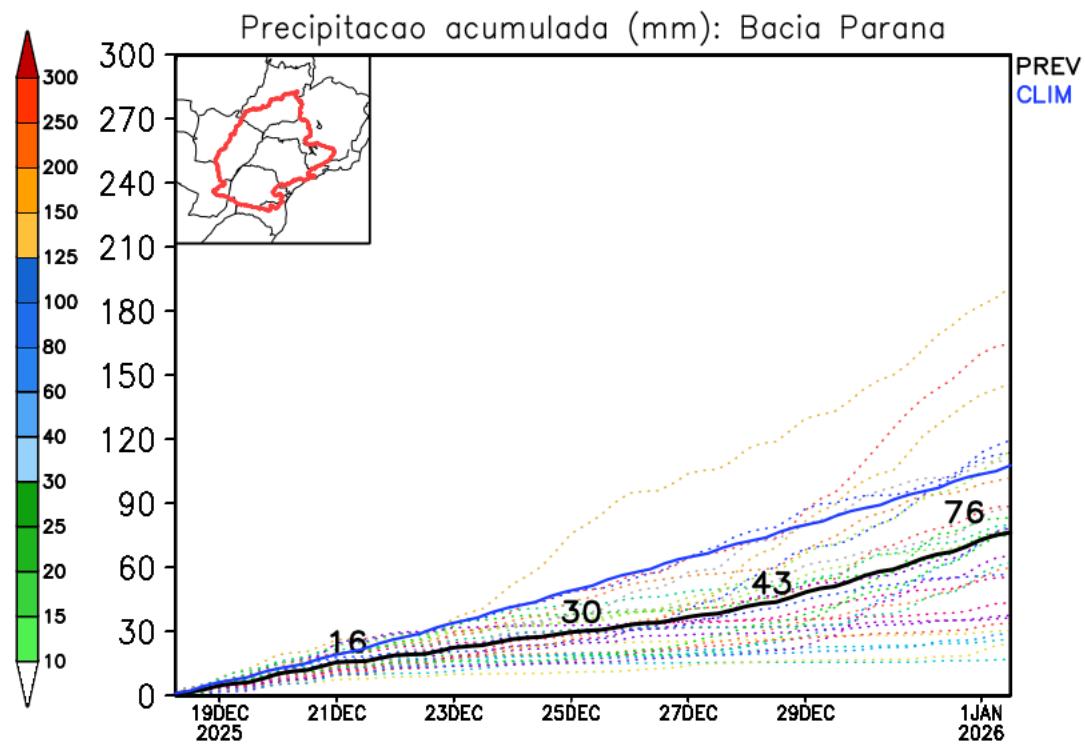
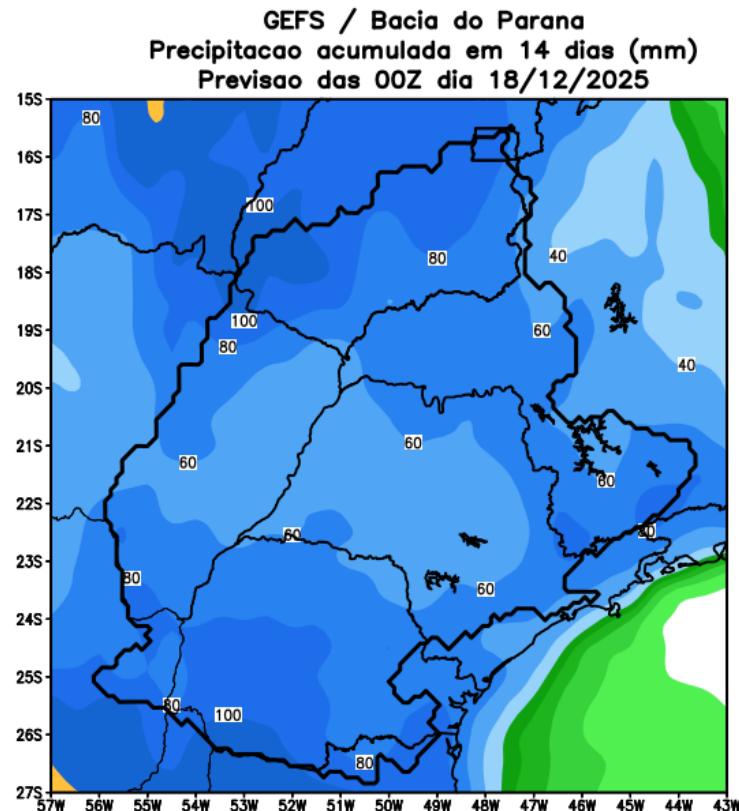
Fonte: GEFS/NOAA

Acumulado para as duas próximas semanas



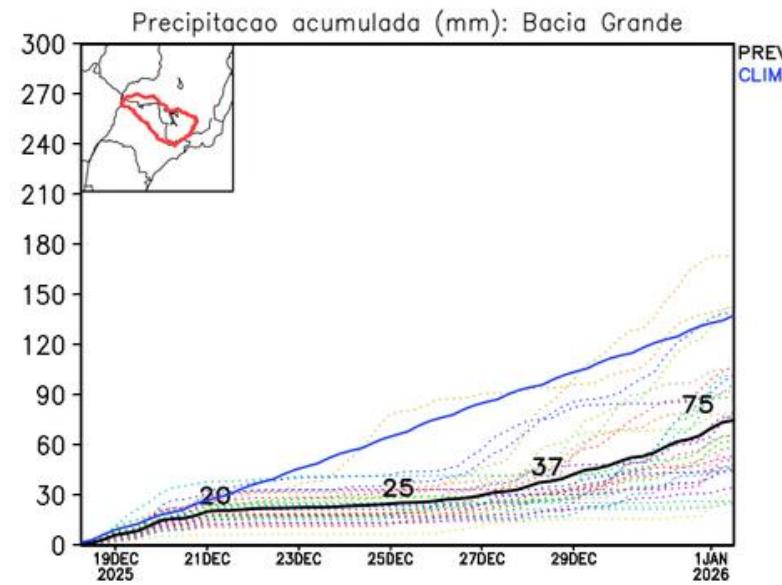
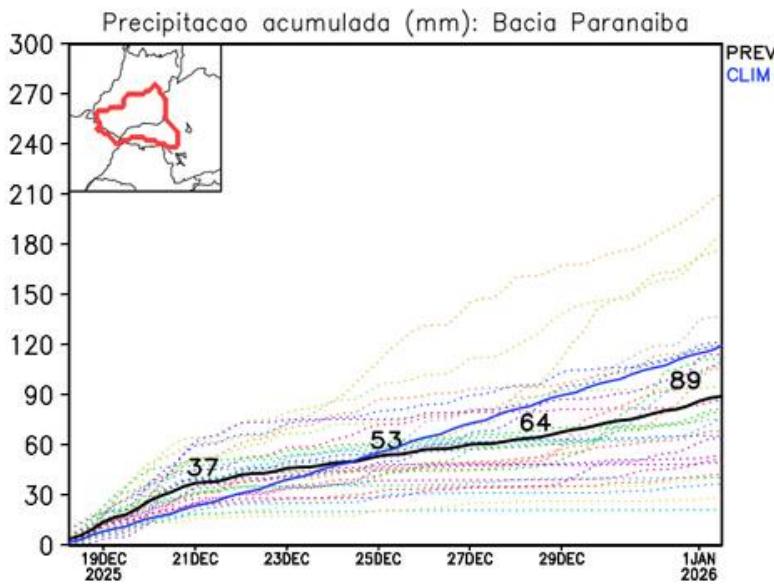
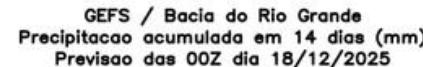
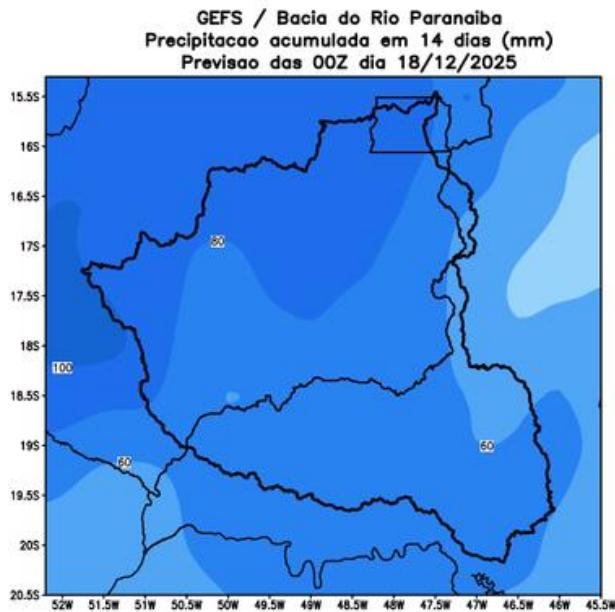
Fonte: GEFS/NOAA

Previsão de chuva para os próximos 14 dias

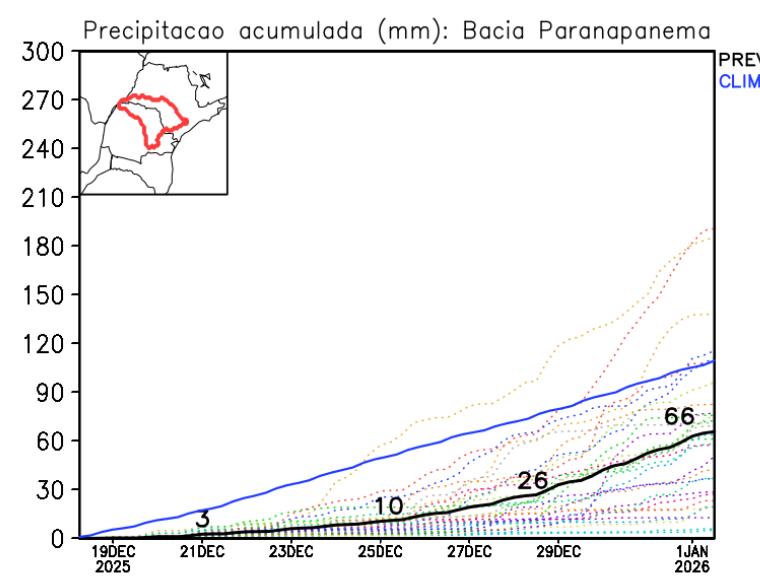
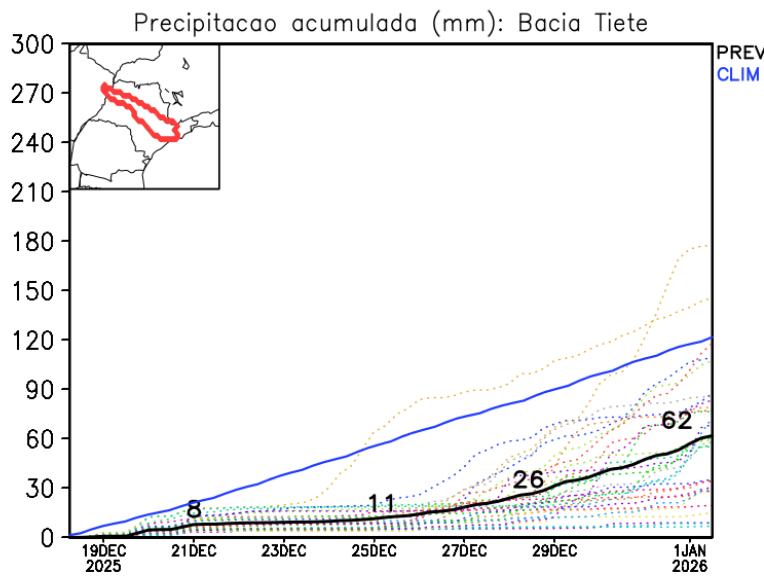
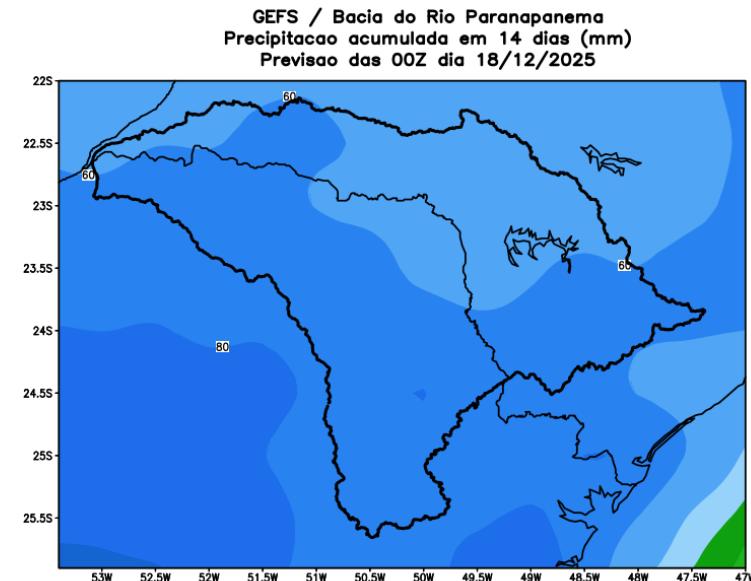
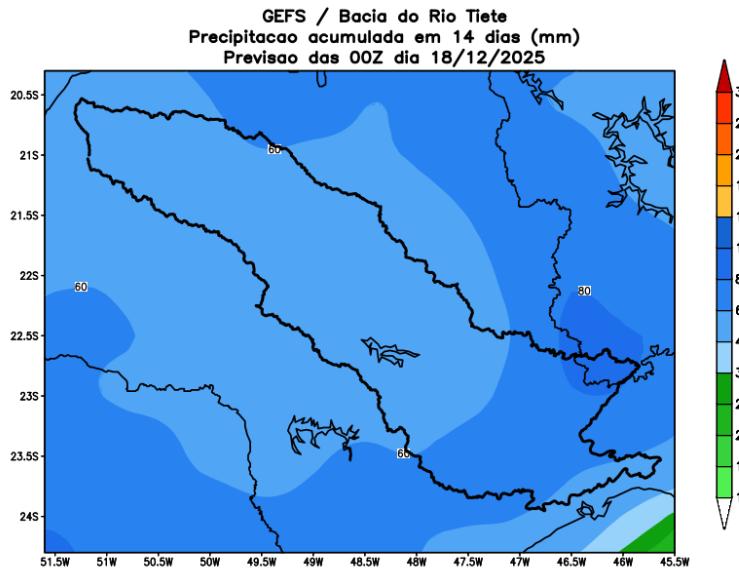


Fonte: GEFS/NOAA

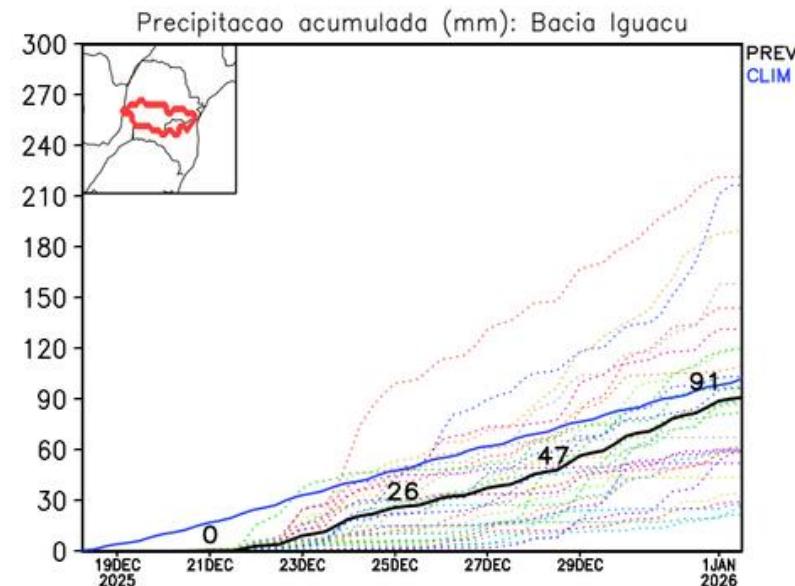
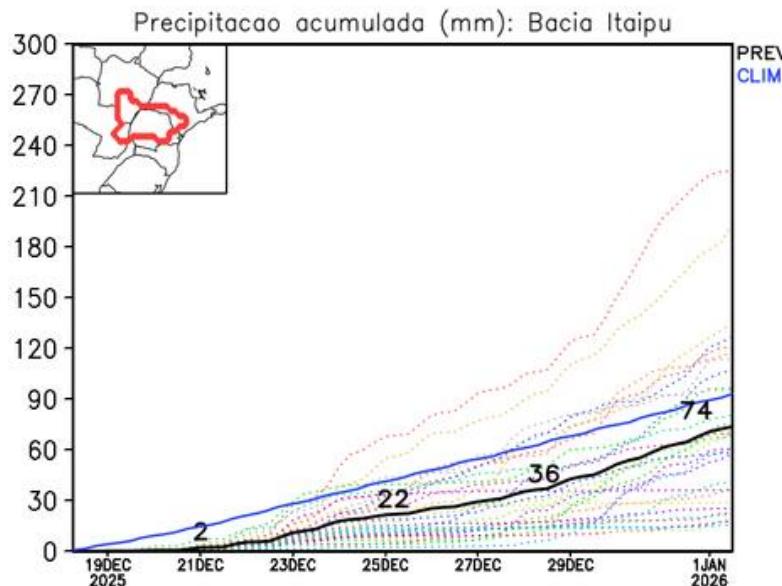
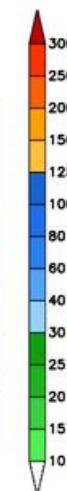
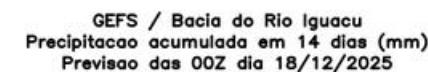
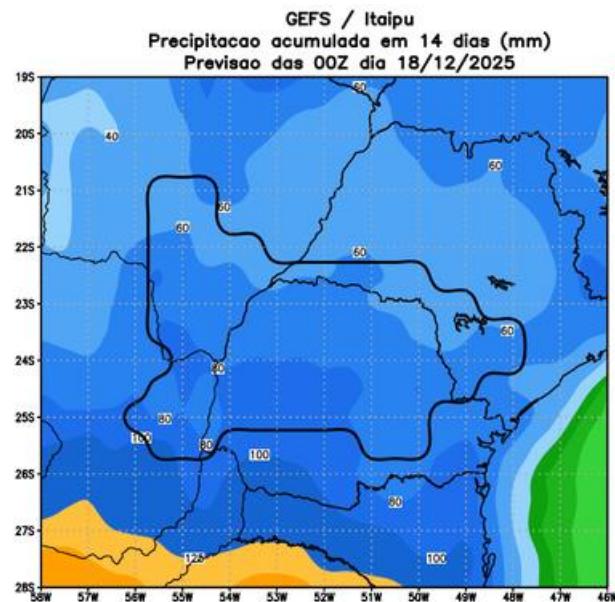
Bacia do rios Paranaíba e Grande



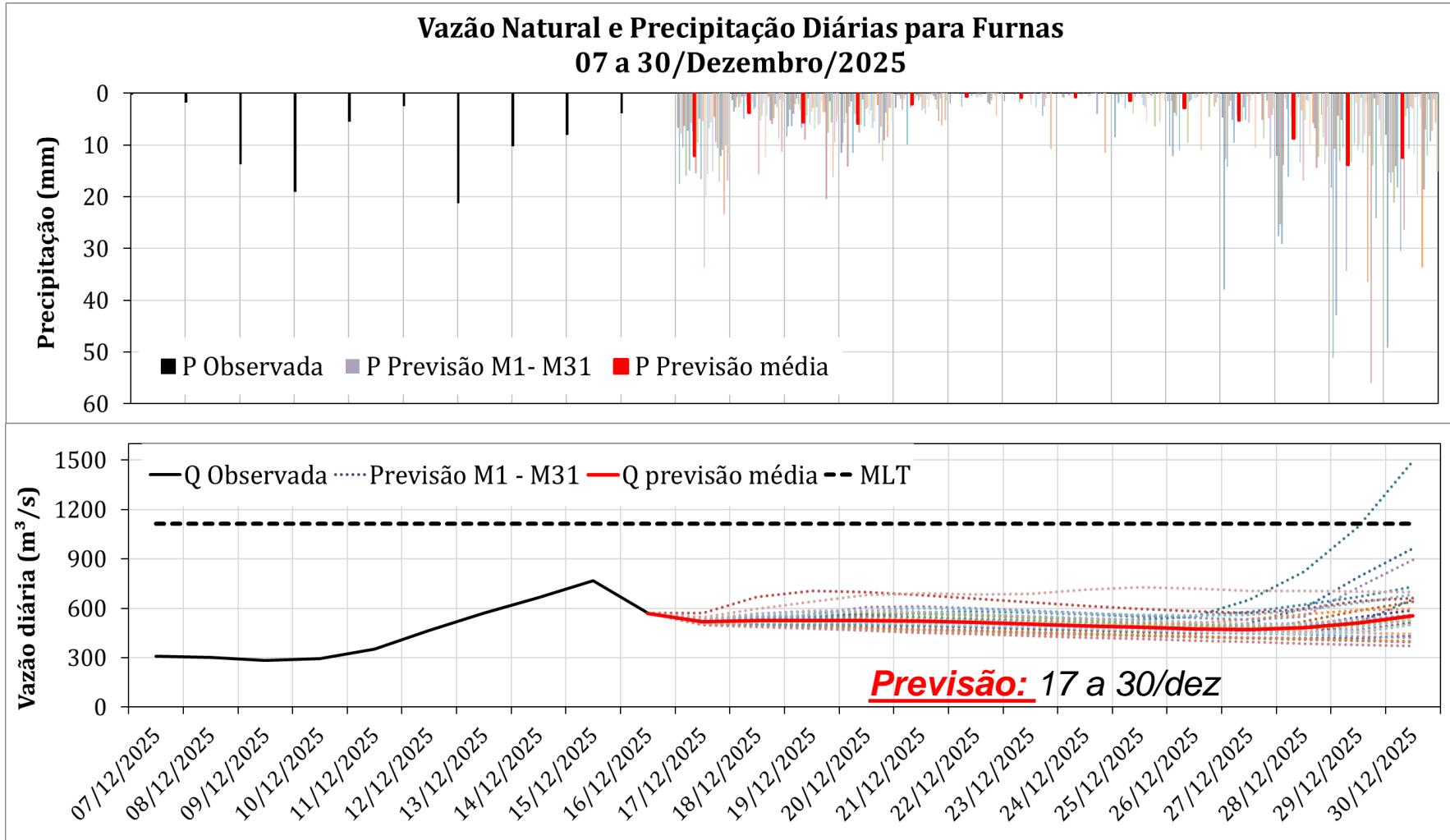
Bacia do rios Tietê e Paranapanema



Bacia do Itaipu e Iguaçu



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



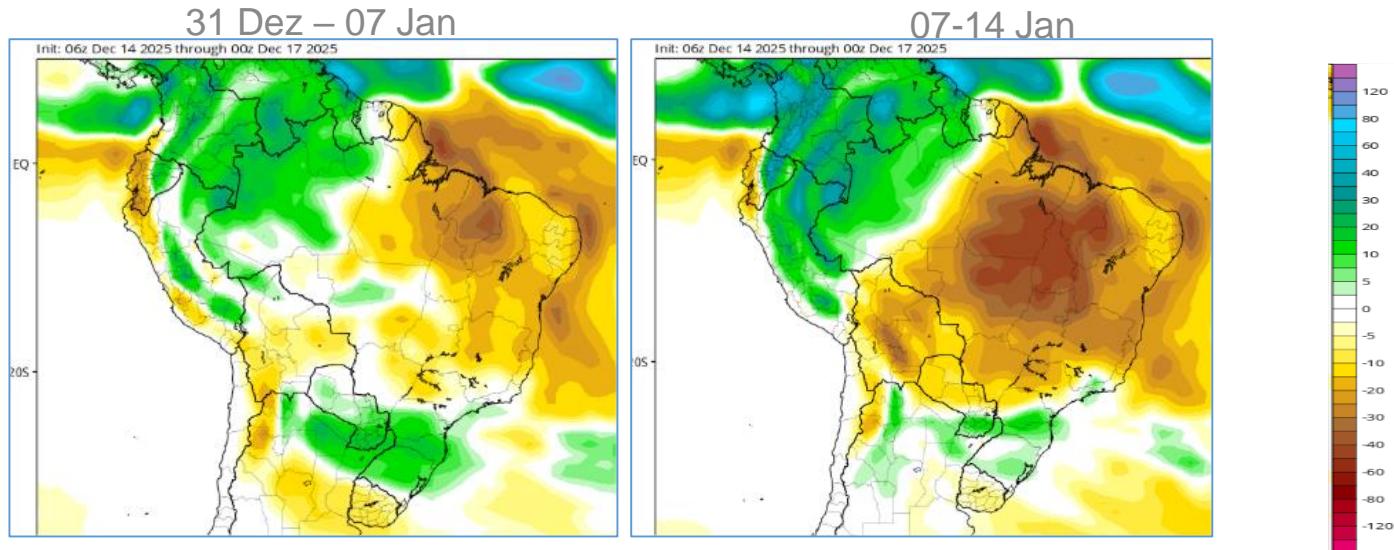
Previsão média para os
próximos 14 dias: 508 m^3/s



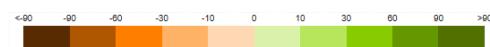
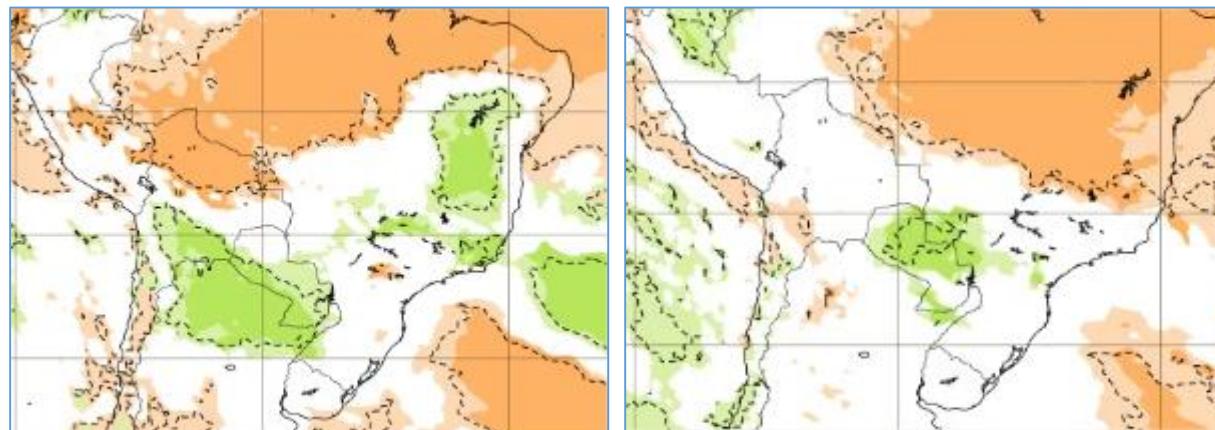
46% MLT Dezembro

Anomalia de Chuva 3a e 4a semanas

Modelo
Americano
CFS/NOAA

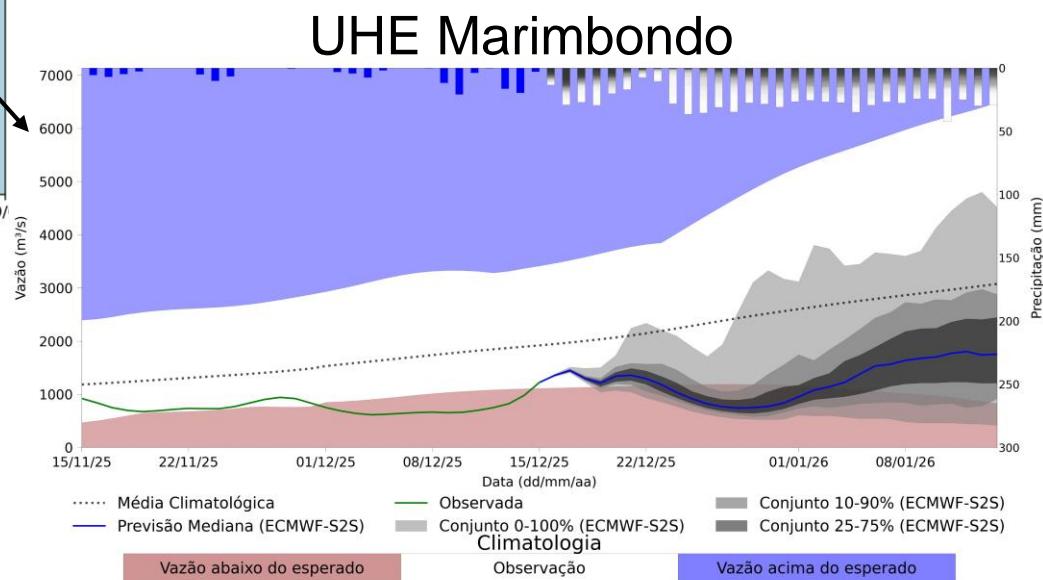
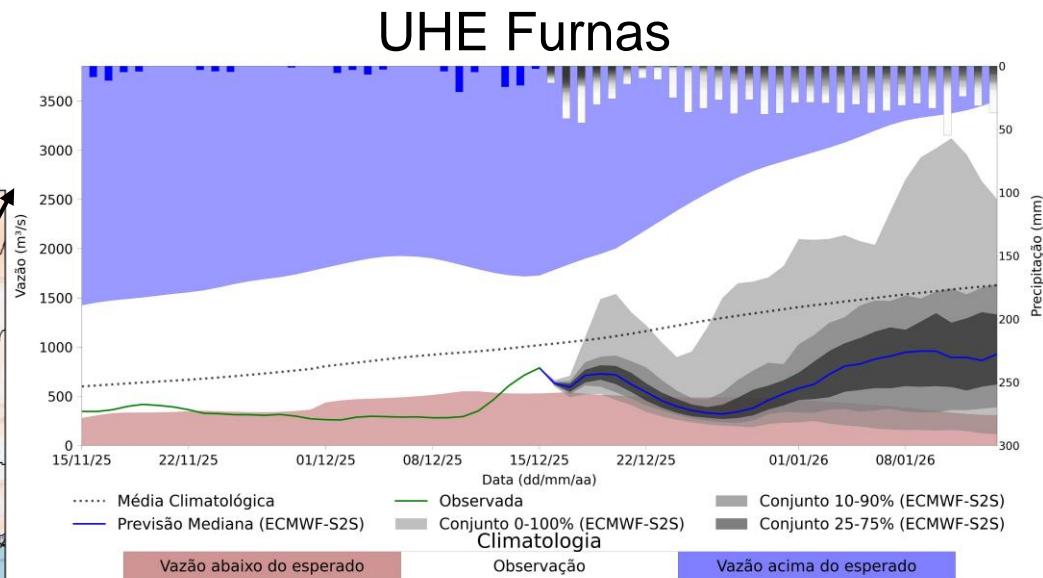
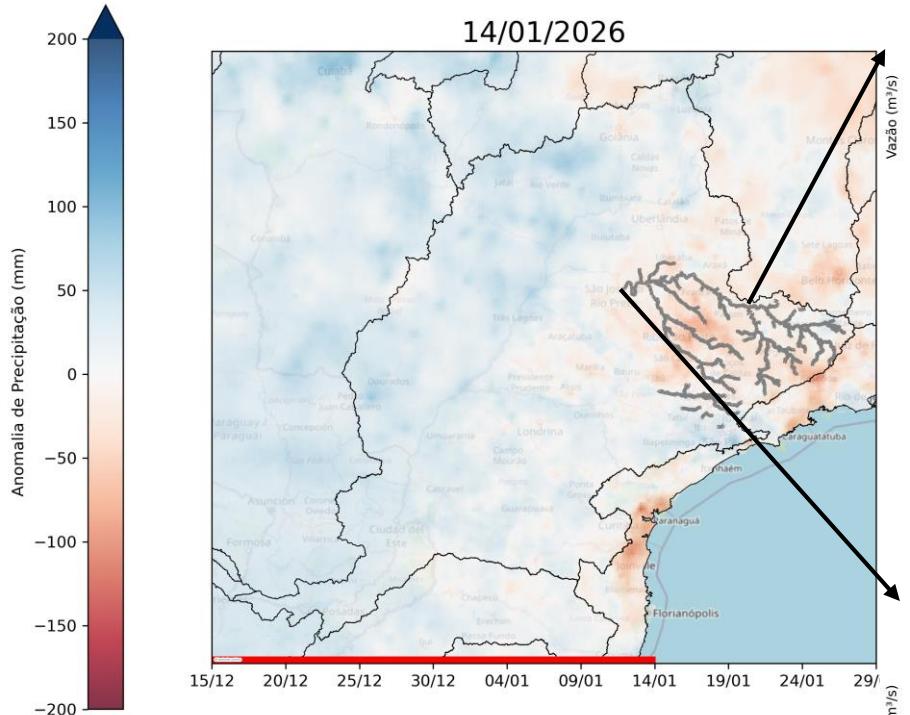


Modelo Europeu
ECMWF



Previsão de vazão natural na Bacia do Rio Grande

PREVISÃO: 15/12/25 a 14/01/26



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

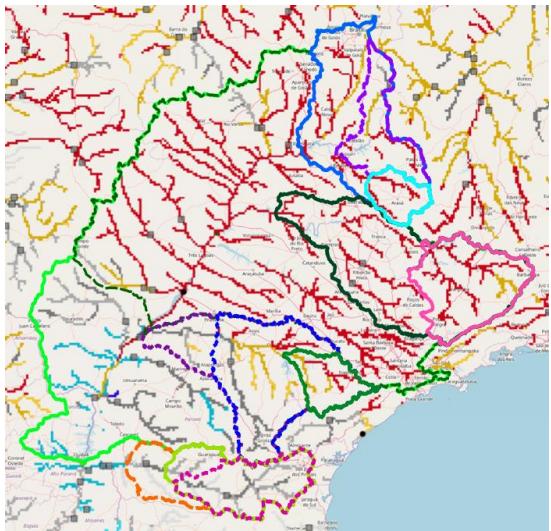
MLT: 1993-2024

Previsão Meteorológica: ECMWF-S2S

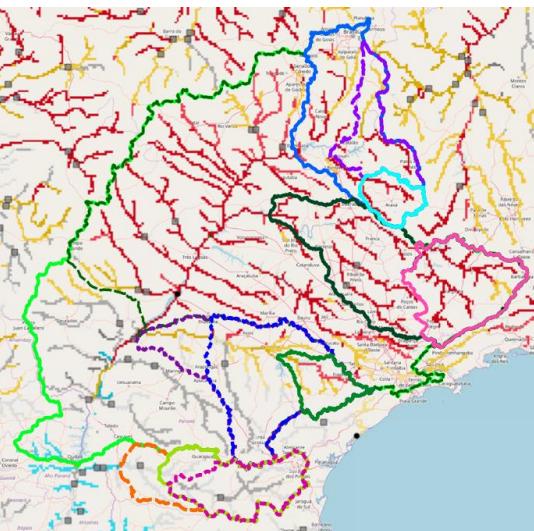
Previsão Sub-sazonal (45 dias) para a Bacia do Rio Paraná (Sistema Global de Previsão de Vazão - GloFAS)

Previsão: 22/12/2025 – 25/01/2026

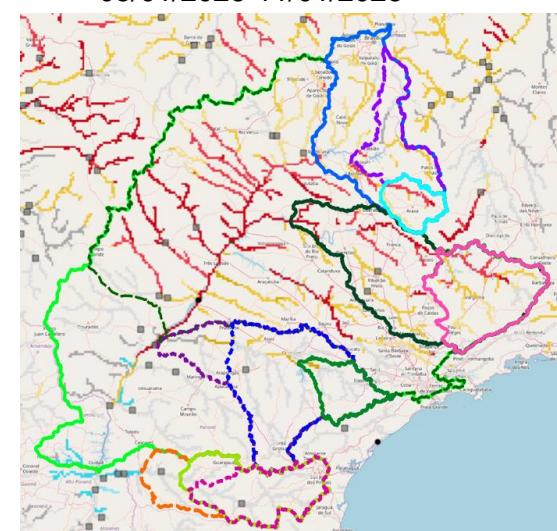
22/12/2025-28/12/2025



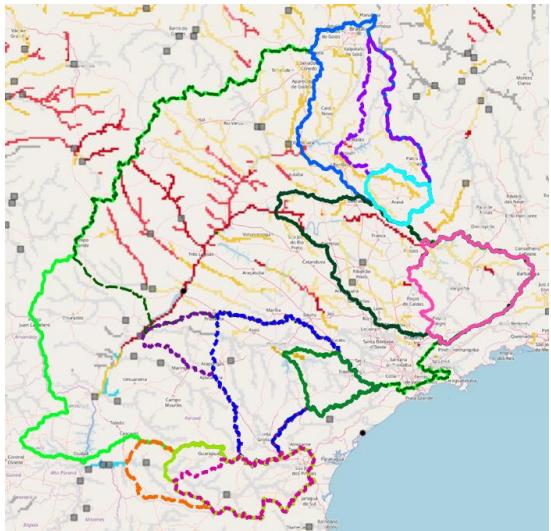
29/12/2025-04/01/2026



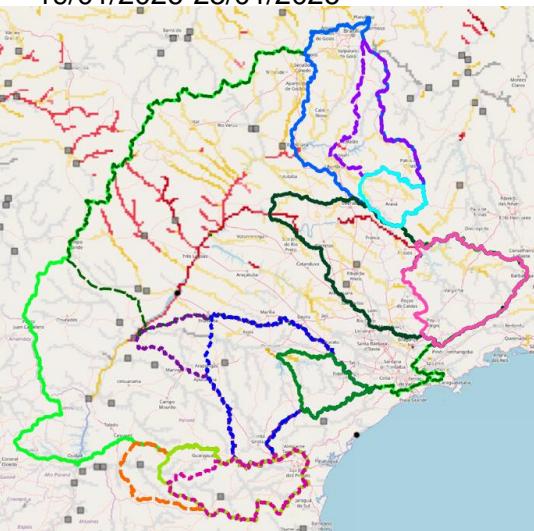
05/01/2026-11/01/2026



12/01/2026-18/01/2026



19/01/2026-25/01/2026



- █ 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)

Categoria de incerteza

Baixa (0-10) Média (10-20) Alta (<20)

Baixa (0-10) Média (10-20) Alta (<20)

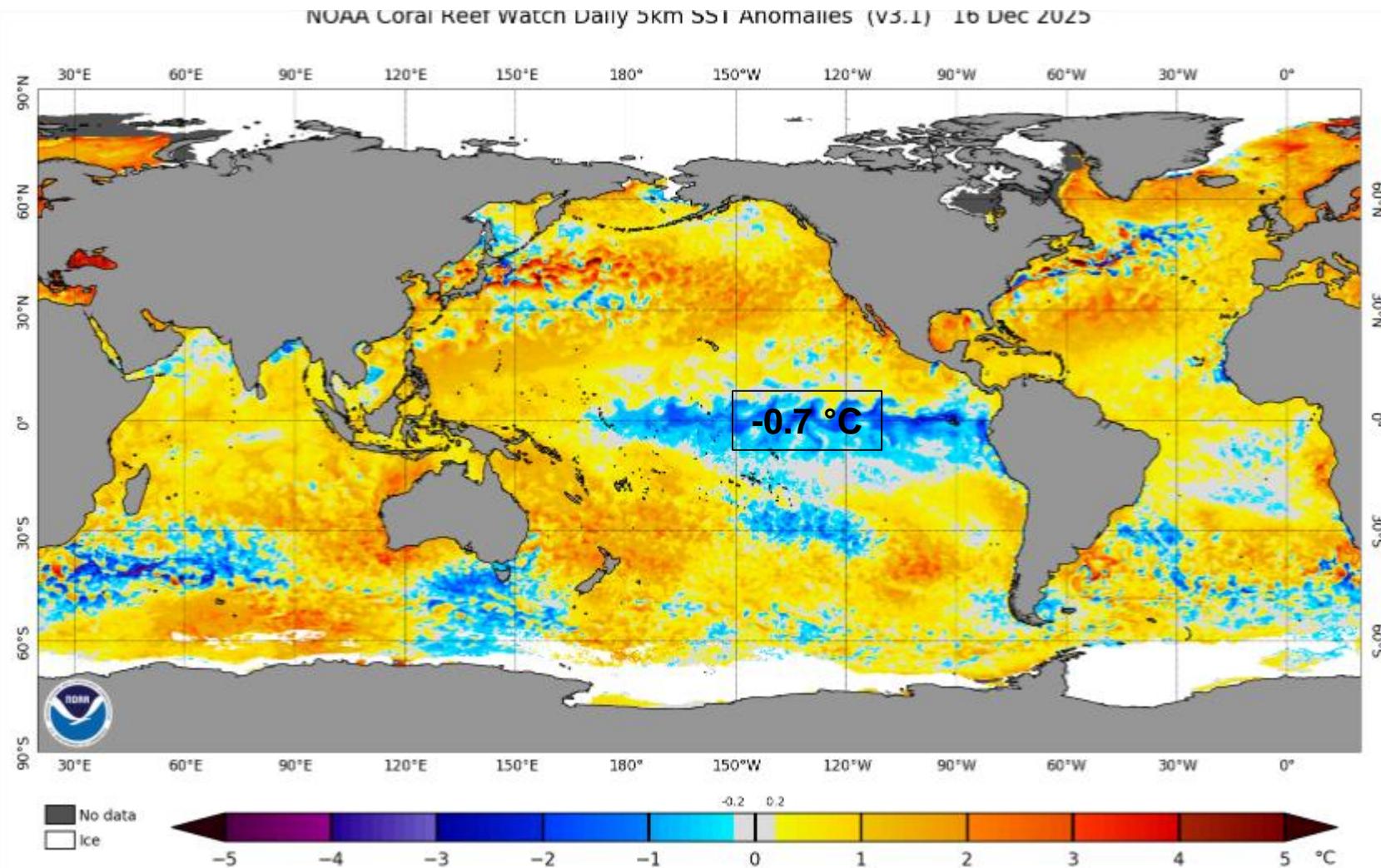
Acima (75-90)

Muito acima (90-100)

Fonte: Previsão Meteorológica: ECMWF

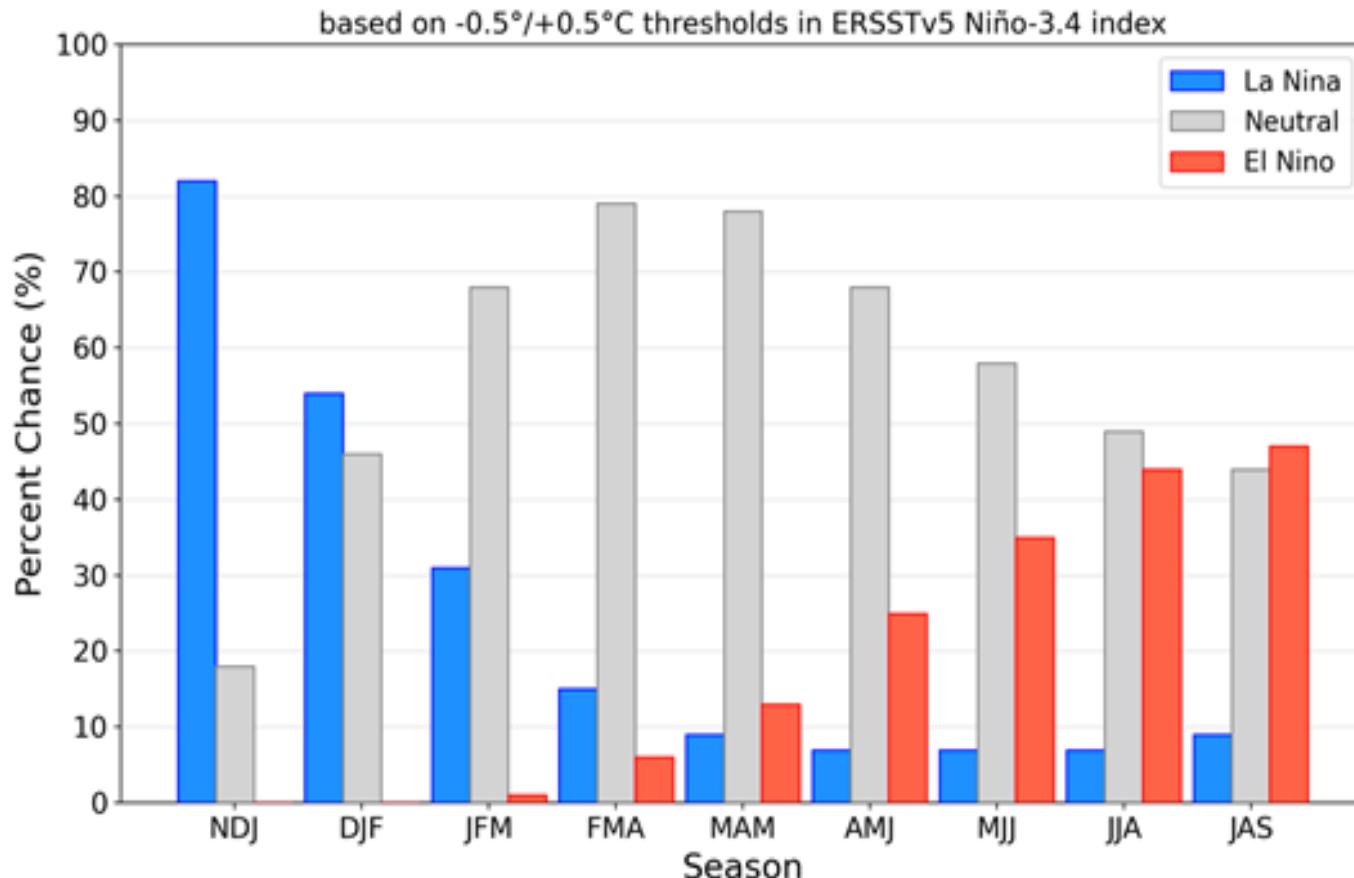
Previsão de vazão: Lisflood/GloFAS Forecast
<https://www.globalfloods.eu/glofas-forecasting/>

Situação Oceânica Status La Niña

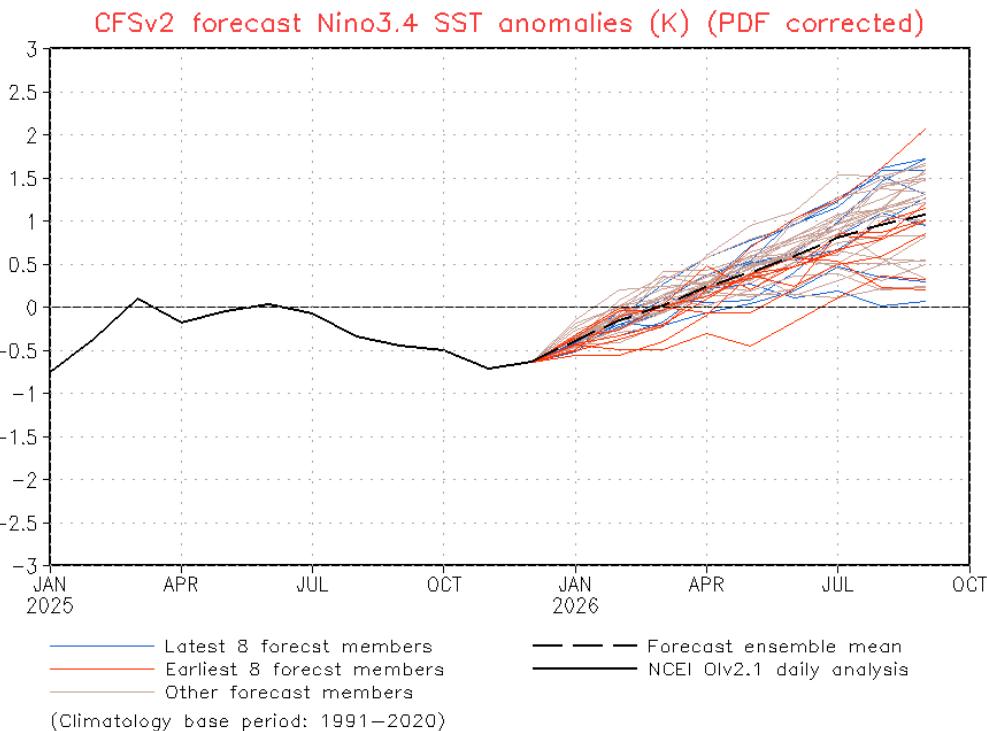
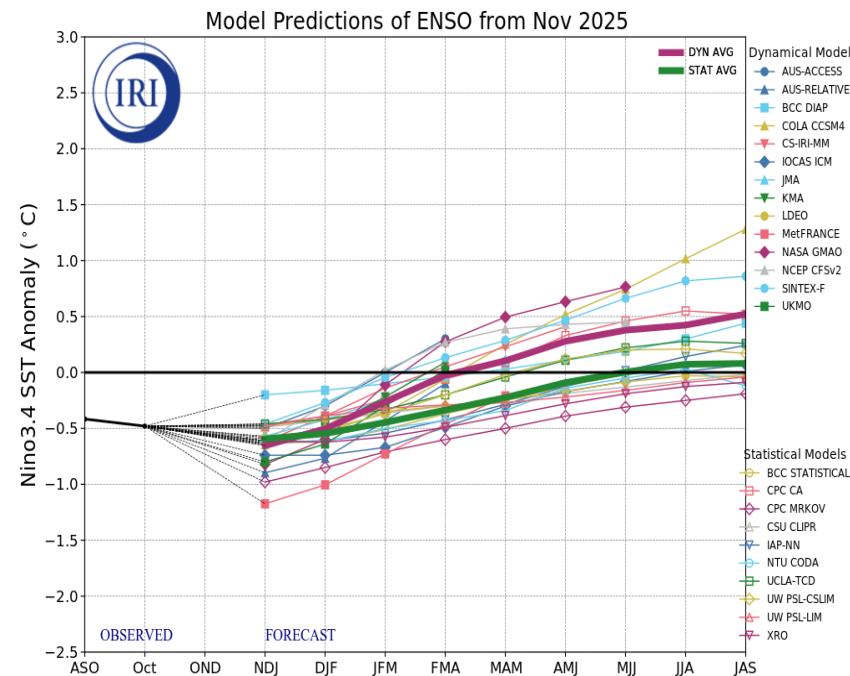


Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued December 2025)



Previsão do “ENSO”



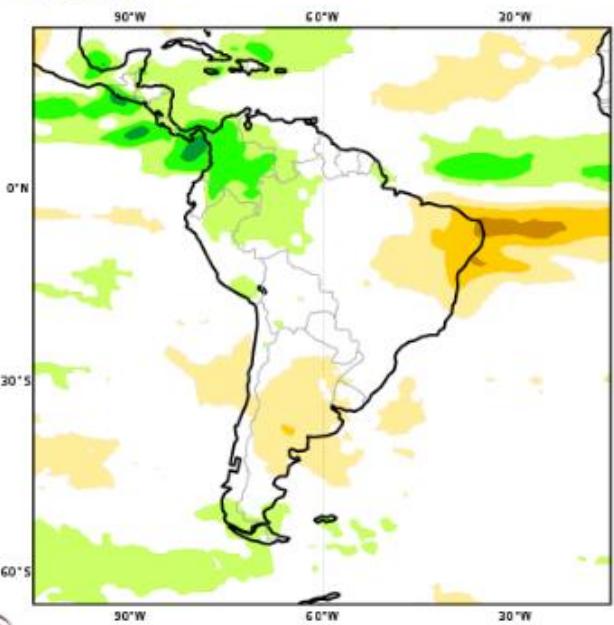
Previsão Sazonal de Chuva Multi-Modelo

Dezembro-Janeiro-Fevereiro

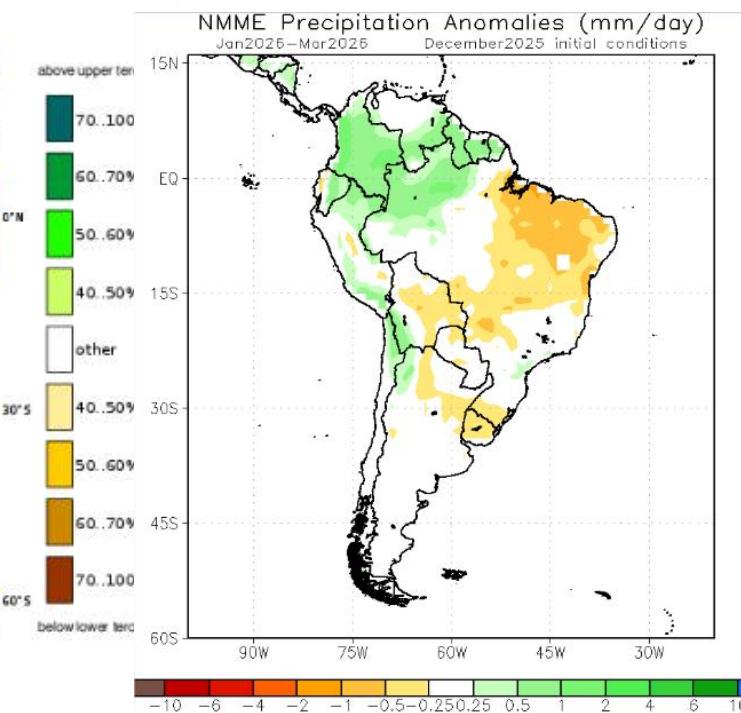
Prob(most likely category of precipitation)

Nominal forecast start: 01/12/25

Unweighted mean

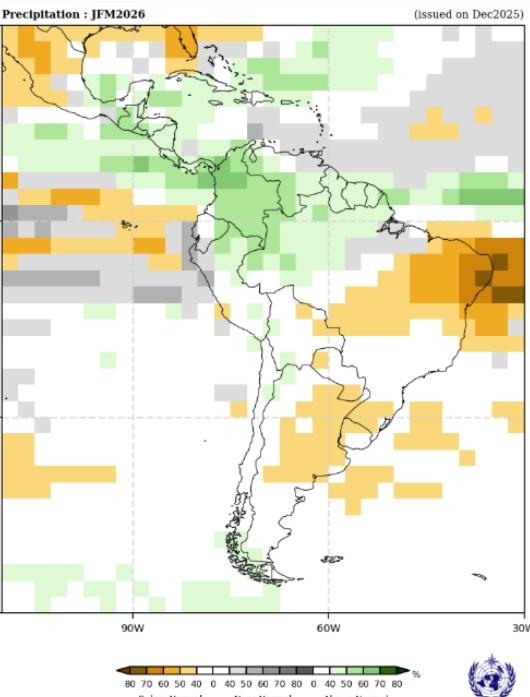


JFM 2026



Modelos "Europeus"

Modelos Norte Americanos



Modelos da WMO



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

