



# CEMADEN

Centro Nacional de Monitoramento e  
Alertas de Desastres Naturais

Monitoramento, Impactos,  
Previsões e Projeções

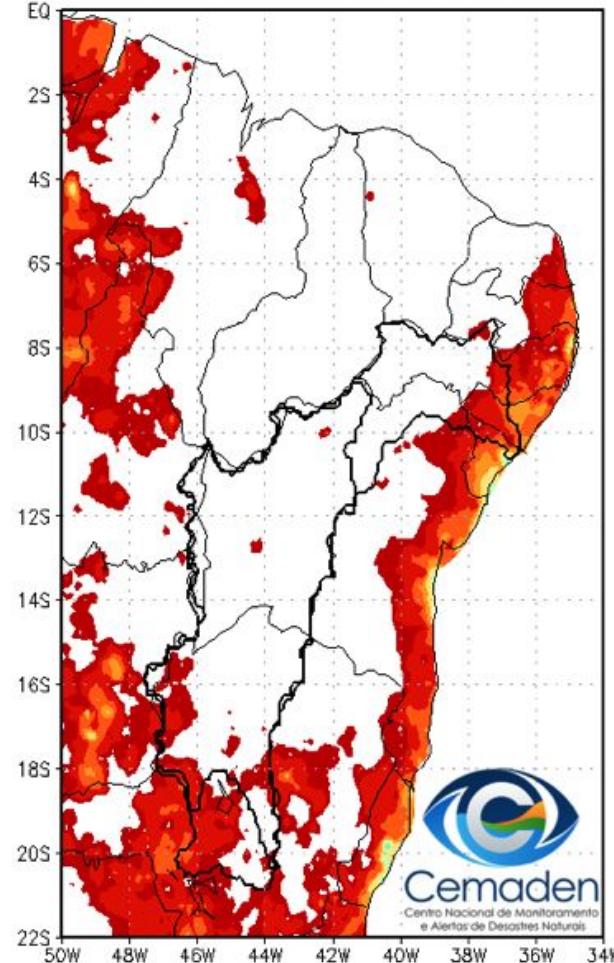
Bacia do Rio São Francisco

07 de outubro de 2025

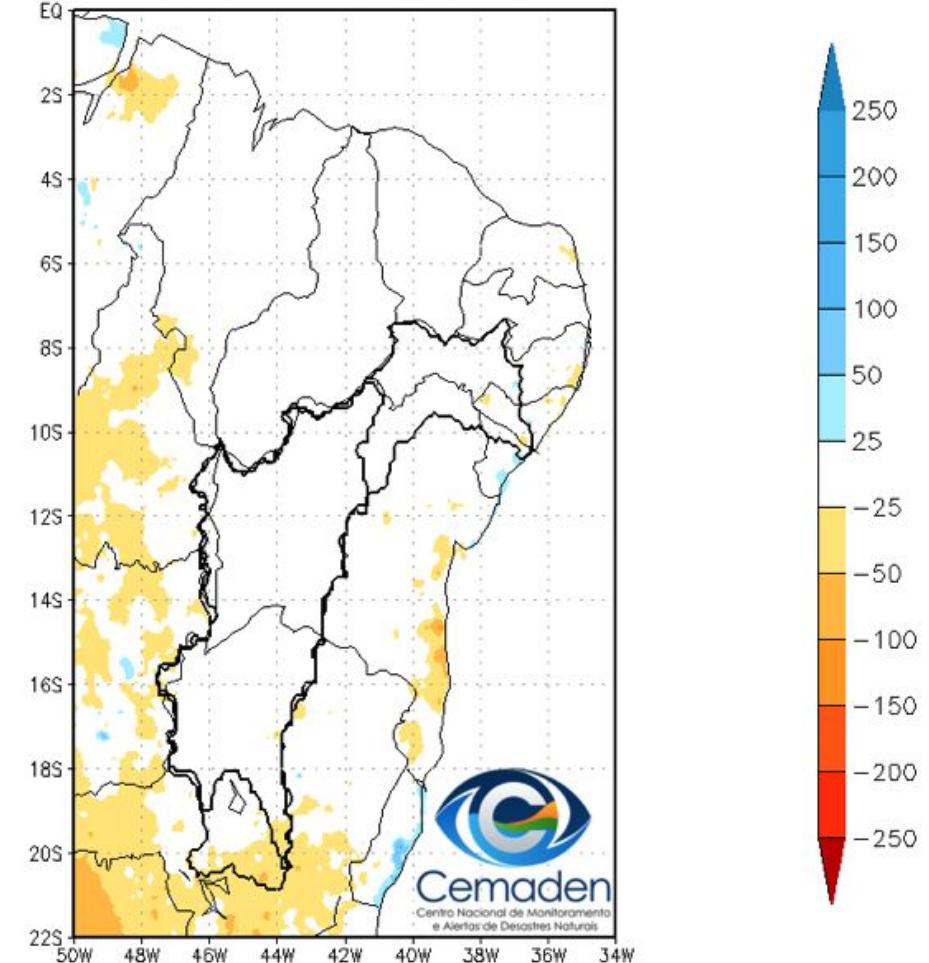


## Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Periodo: 06/09/2025 a 06/10/2025

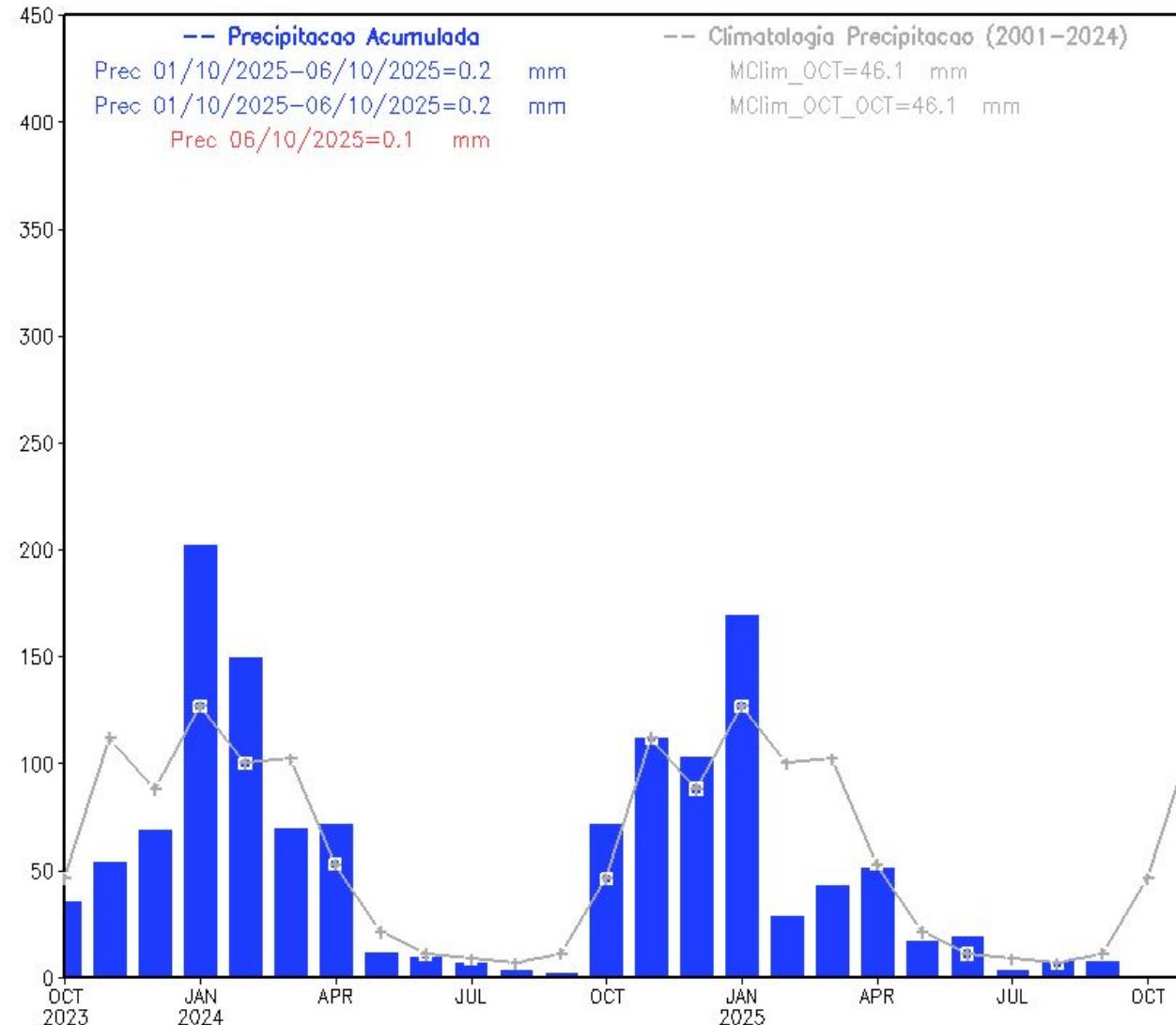


Anomalia de Precipitacao (mm) A.S.  
Periodo: 06/09/2025 a 06/10/2025

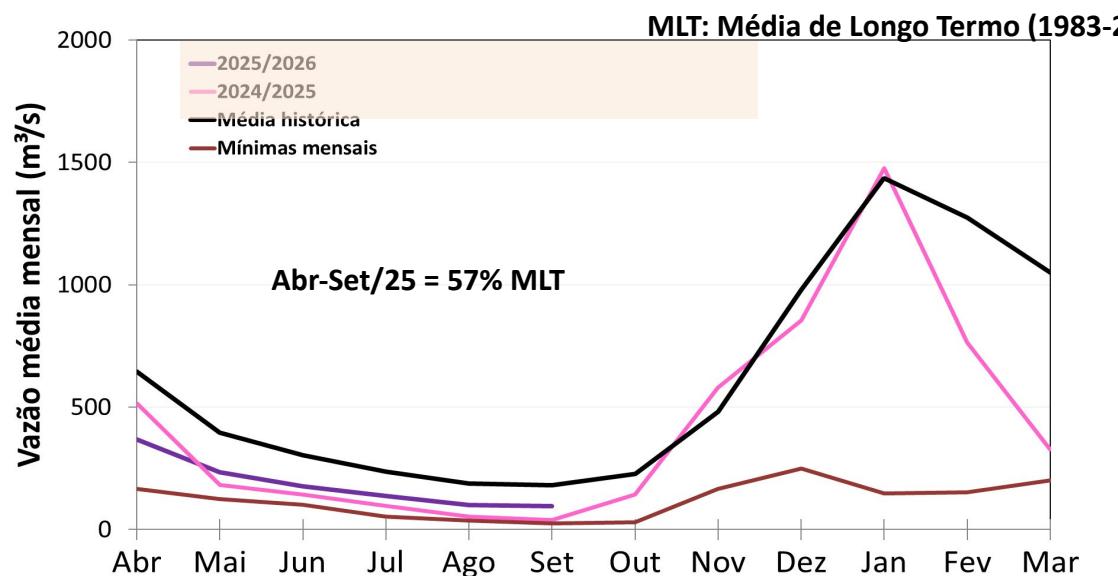
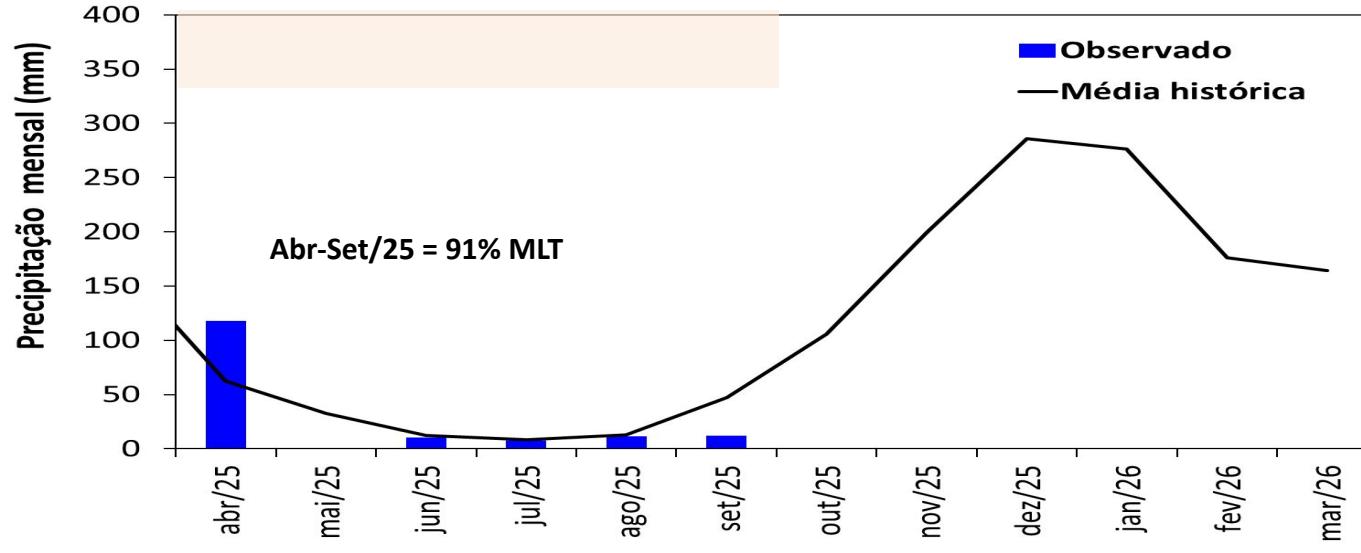


## Chuva dos últimos dois anos

Precipitacao Bacia do Rio Sao\_Francisco  
desde OCT 2023



# Monitoramento UHE Três Marias



Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

## Precipitação

### Estação Chuvosa - Out a Mar - 1208 mm

2023/2024: 1057 mm (87% da MLT)

2024/2025: 1124 mm (93% da MLT)

### Estação Seca - Abr a Set - 175 mm

2024: 57 mm (32% da MLT)

2025: 160 mm (91% MLT)

Set/25\*: 11 mm (89% da MLT)

Out/25\*: 0 mm (MLT = 106 mm)

\*Até 05/10/2025

## Vazão

### Estação Chuvosa - Out a Mar - 908 m<sup>3</sup>/s

2023/2024: 408 m<sup>3</sup>/s (45% da MLT)

2024/2025: 691 m<sup>3</sup>/s (76% da MLT)

### Estação Seca - Abr a Set - 325 m<sup>3</sup>/s

2024: 172 m<sup>3</sup>/s (53% da MLT)

2025: 185 m<sup>3</sup>/s (57% da MLT)

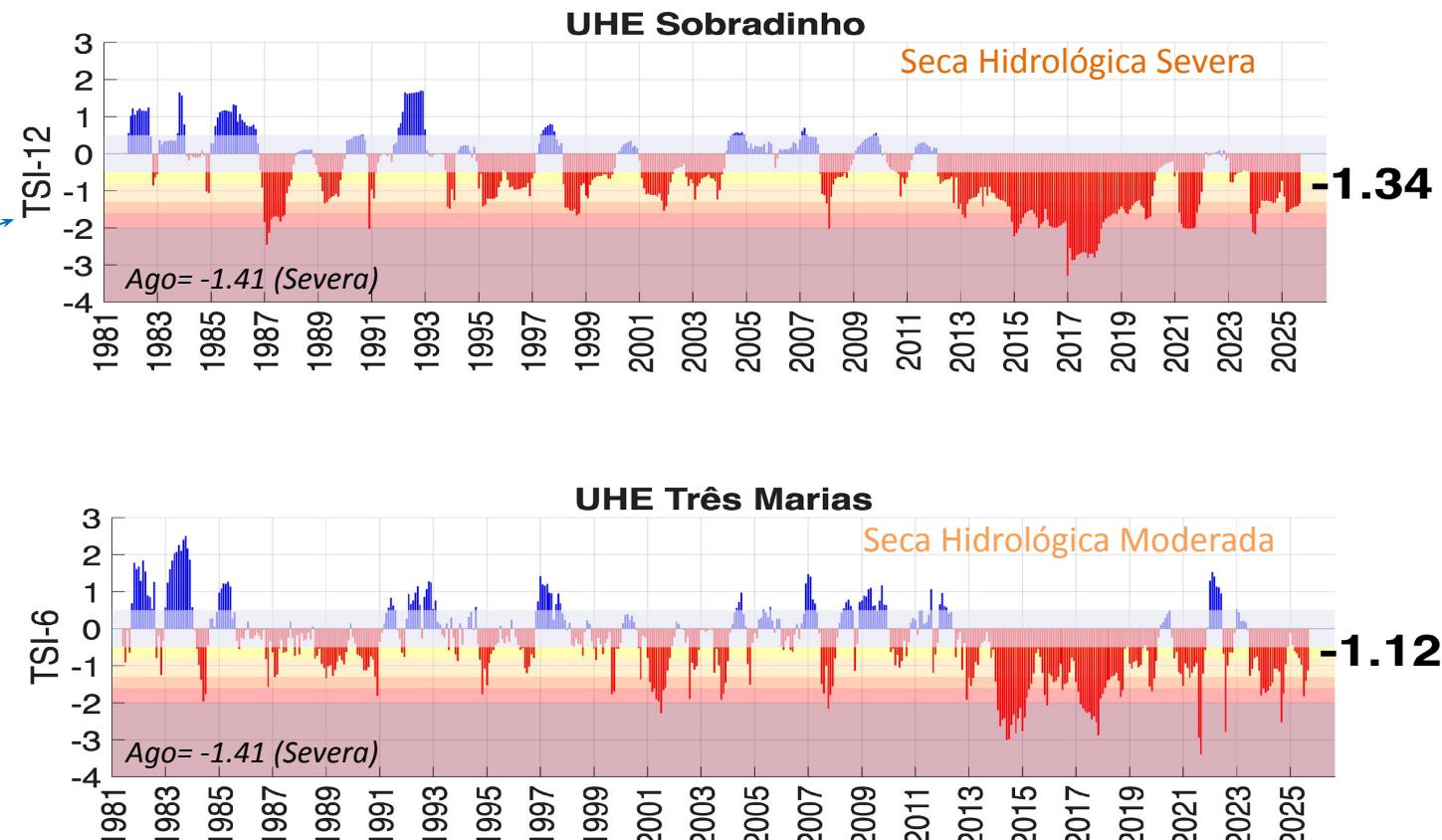
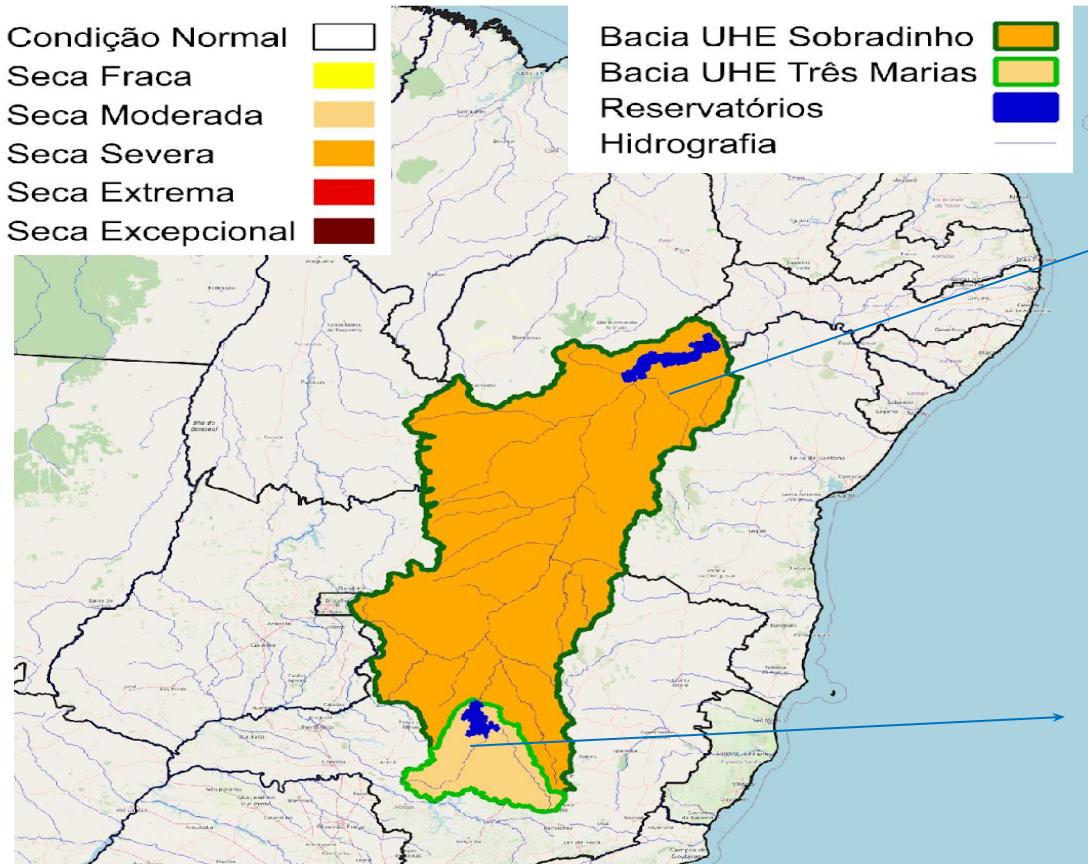
Set/25: 96 m<sup>3</sup>/s (53% da MLT)

05/Out/25: 93 m<sup>3</sup>/s (51% da MLT)

# Monitoramento UHE Três Marias e Sobradinho

## Índice Bivariado de Seca (Chuva-Vazão) – TSI: Longo Prazo

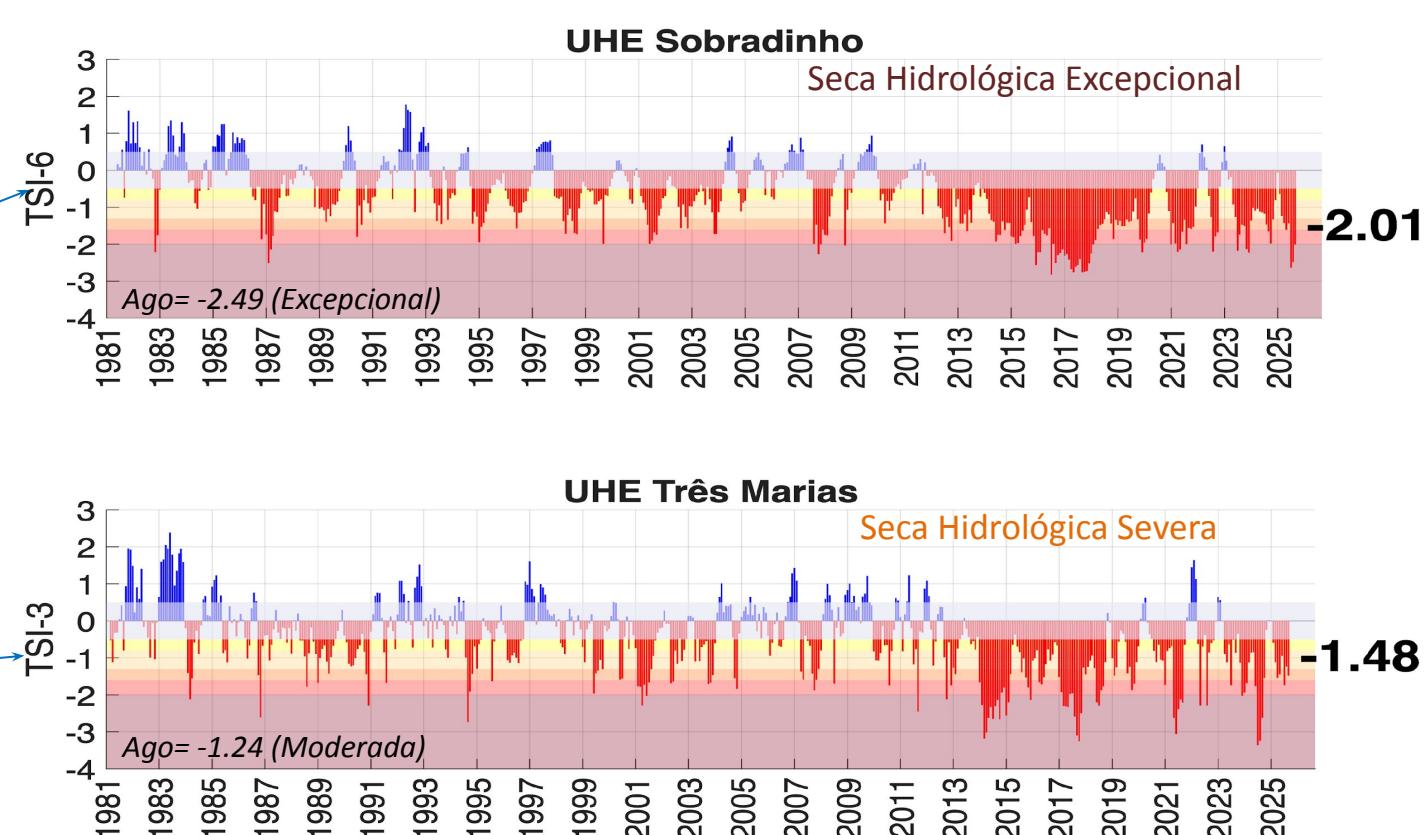
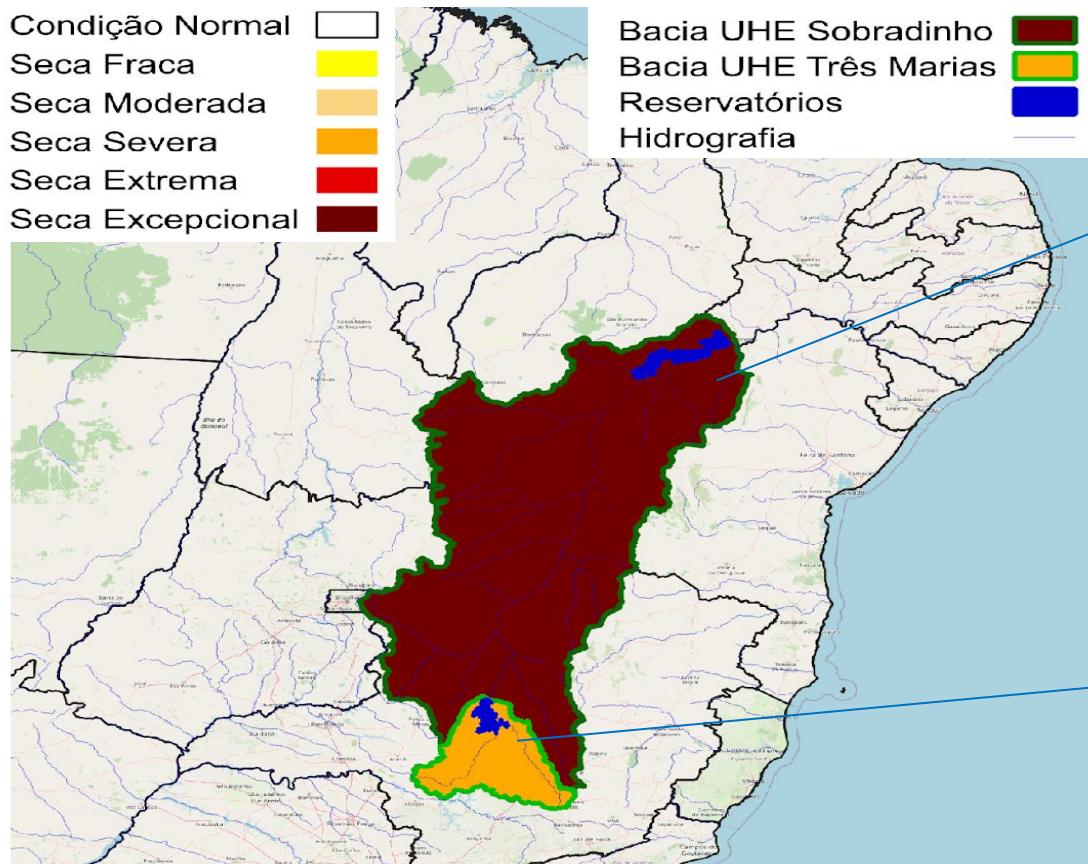
**Setembro/2025**



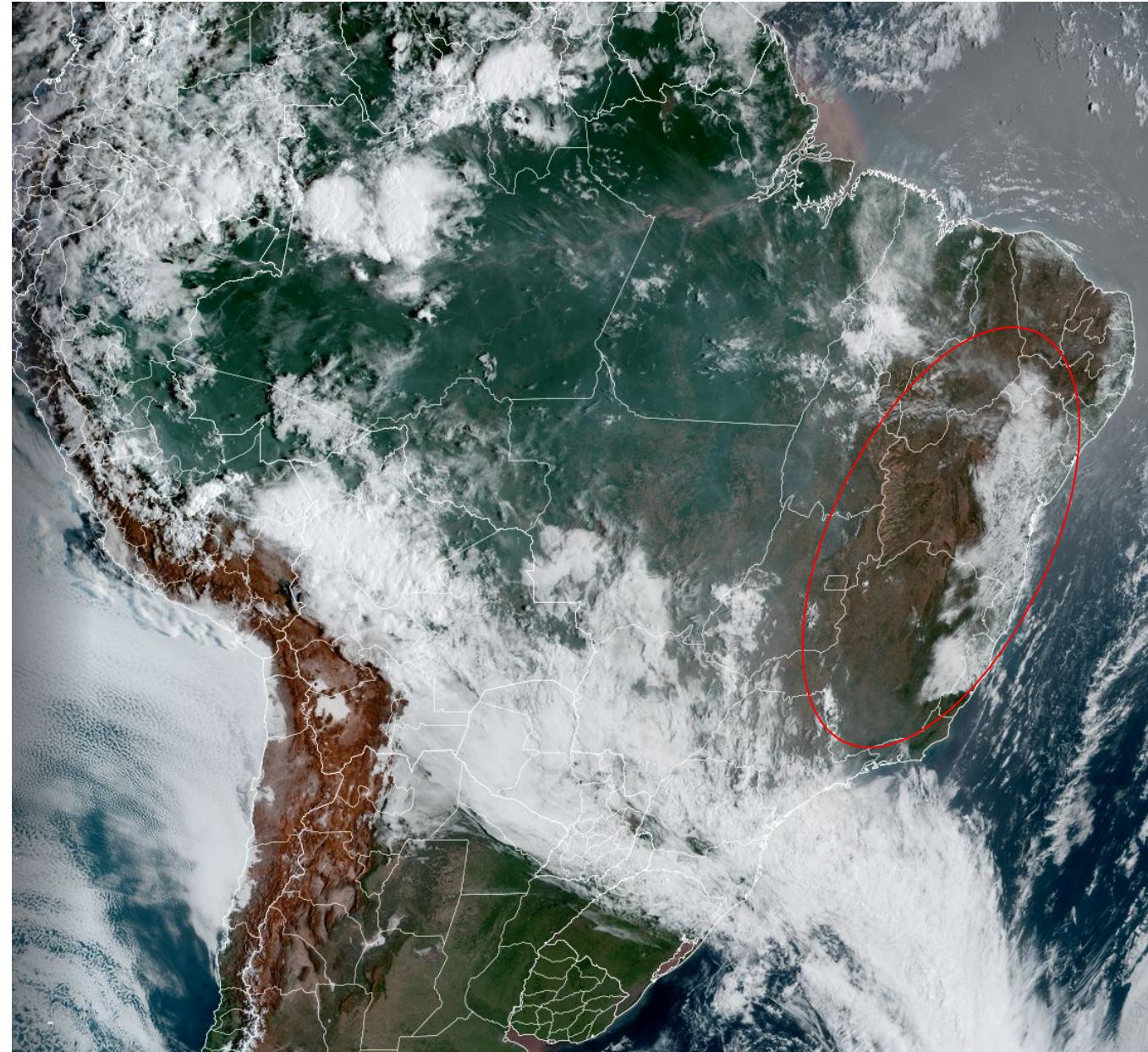
# Monitoramento UHE Três Marias e Sobradinho

## Índice Bivariado de Seca (Chuva-Vazão) – TSI: Curto Prazo

**Setembro/2025**

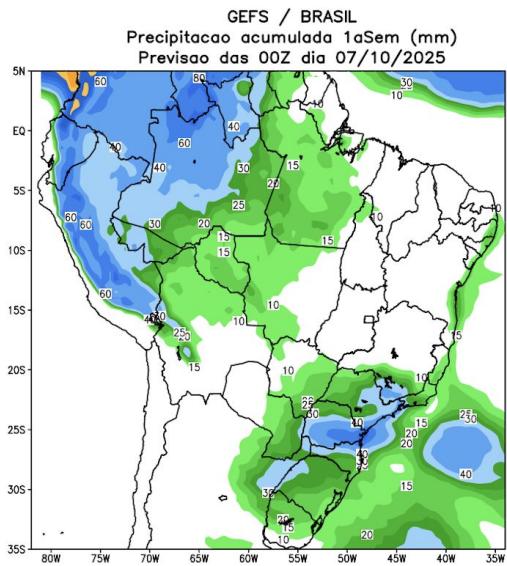


## Situação meteorológica atual

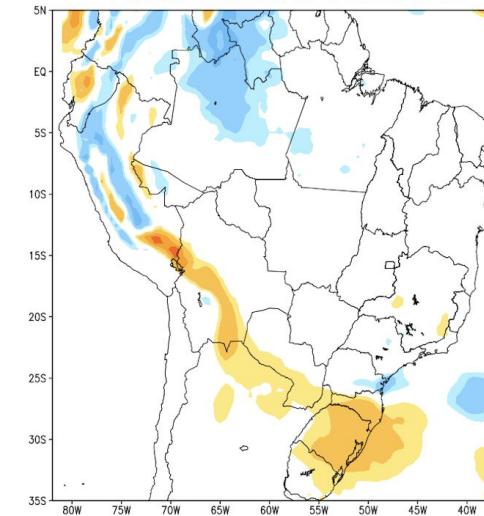


# Previsão de chuva: 2 semanas

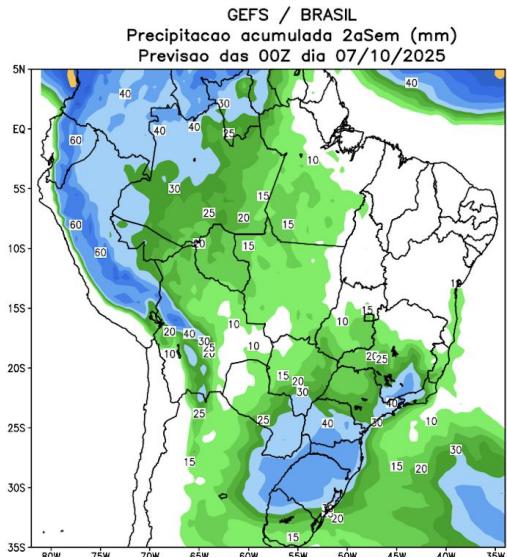
Semana 1



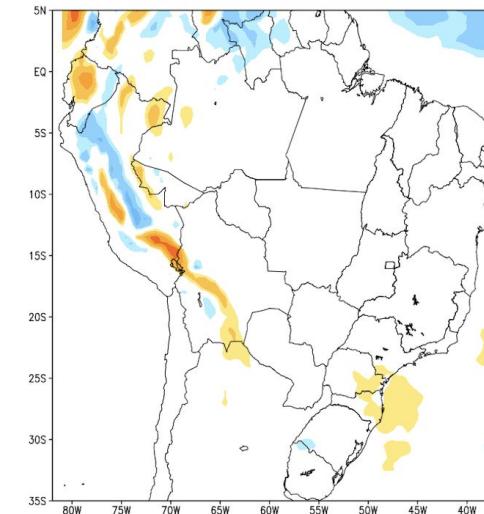
Anomalia de Precipitacao BR (mm)  
Periodo: 2025100700 a 2025101400



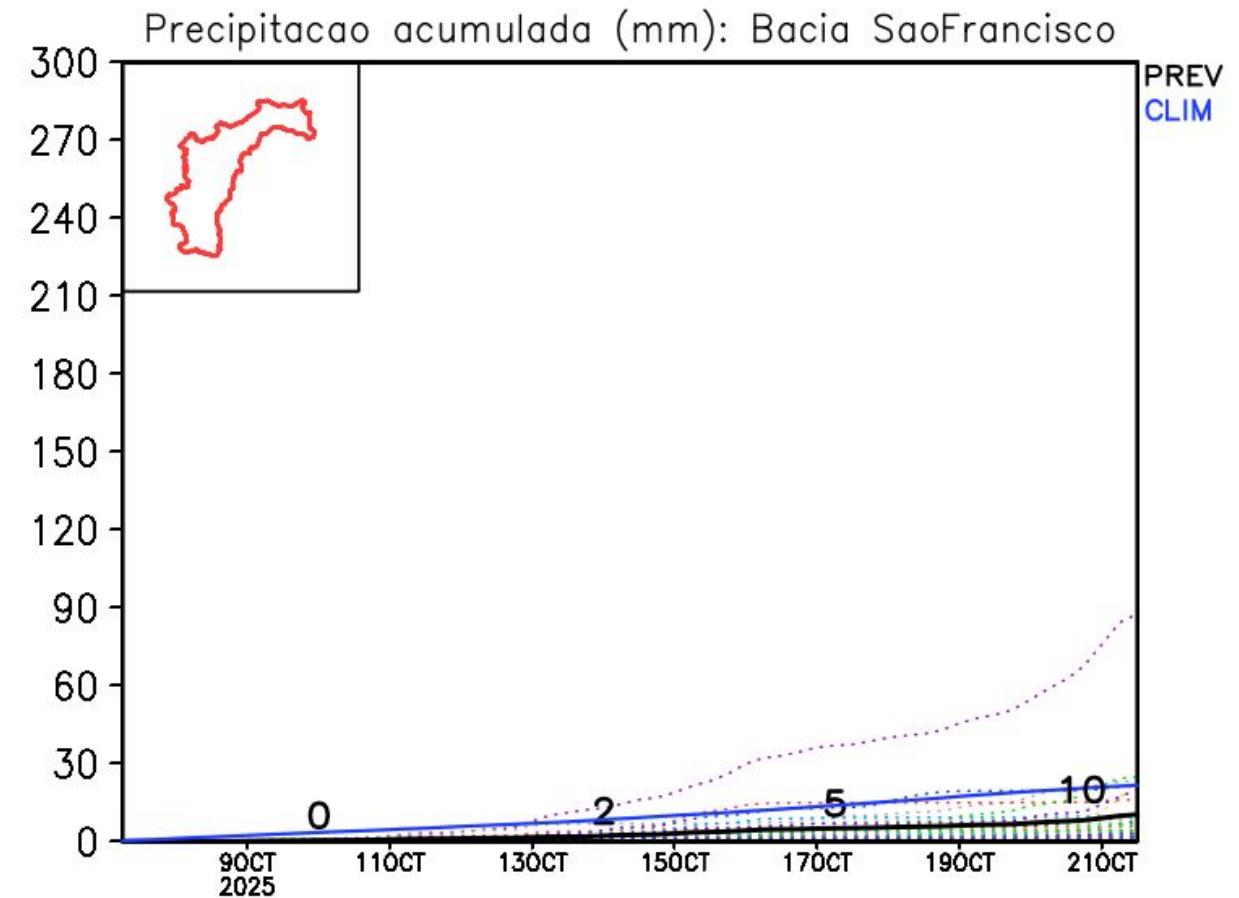
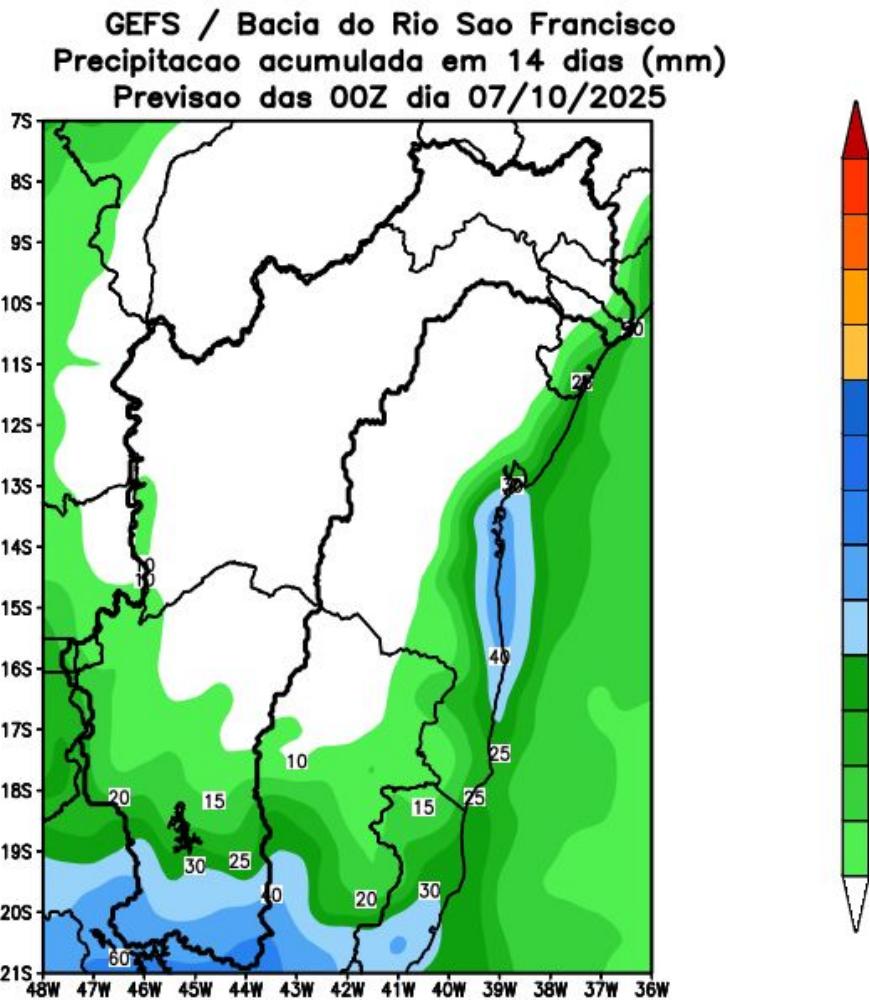
Semana 2



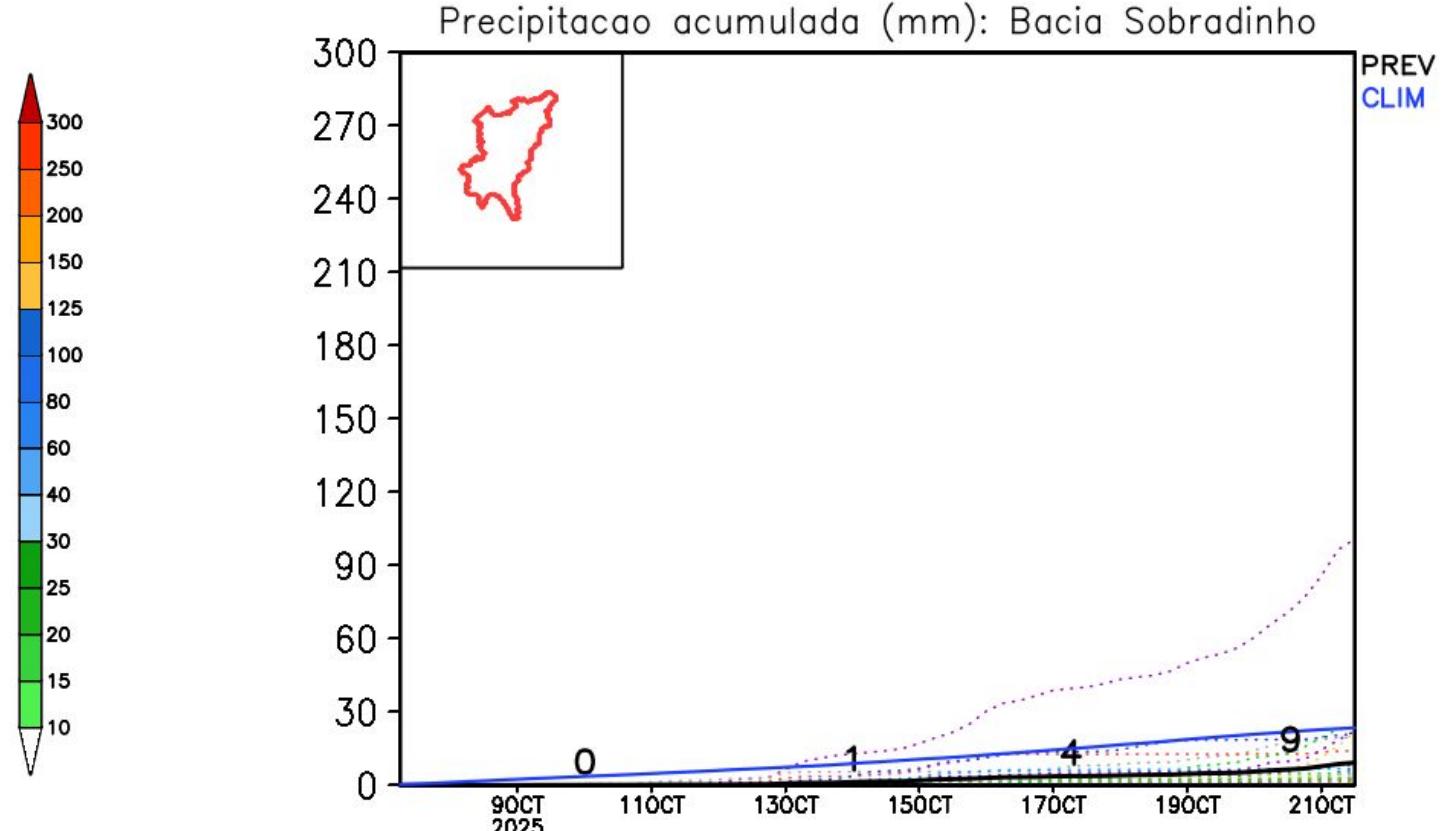
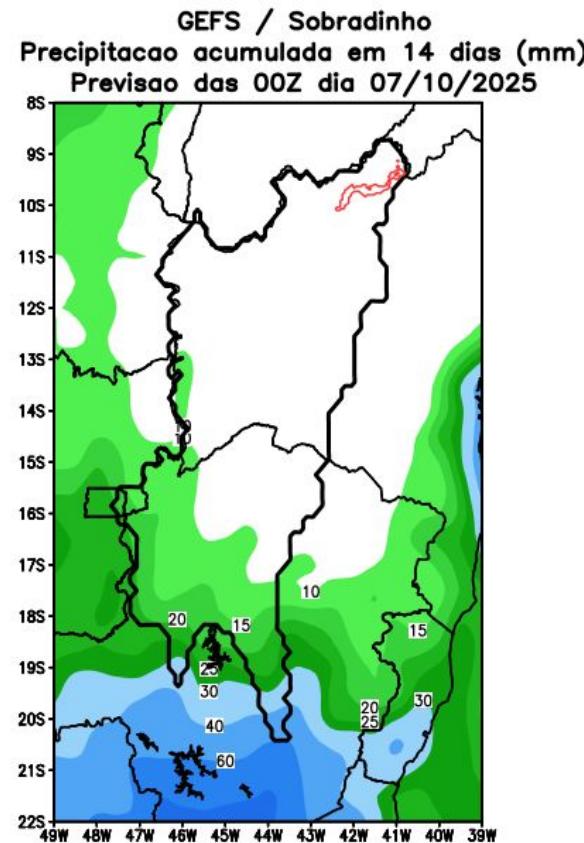
Anomalia de Precipitacao BR (mm)  
Periodo: 2025101500 a 2025102100



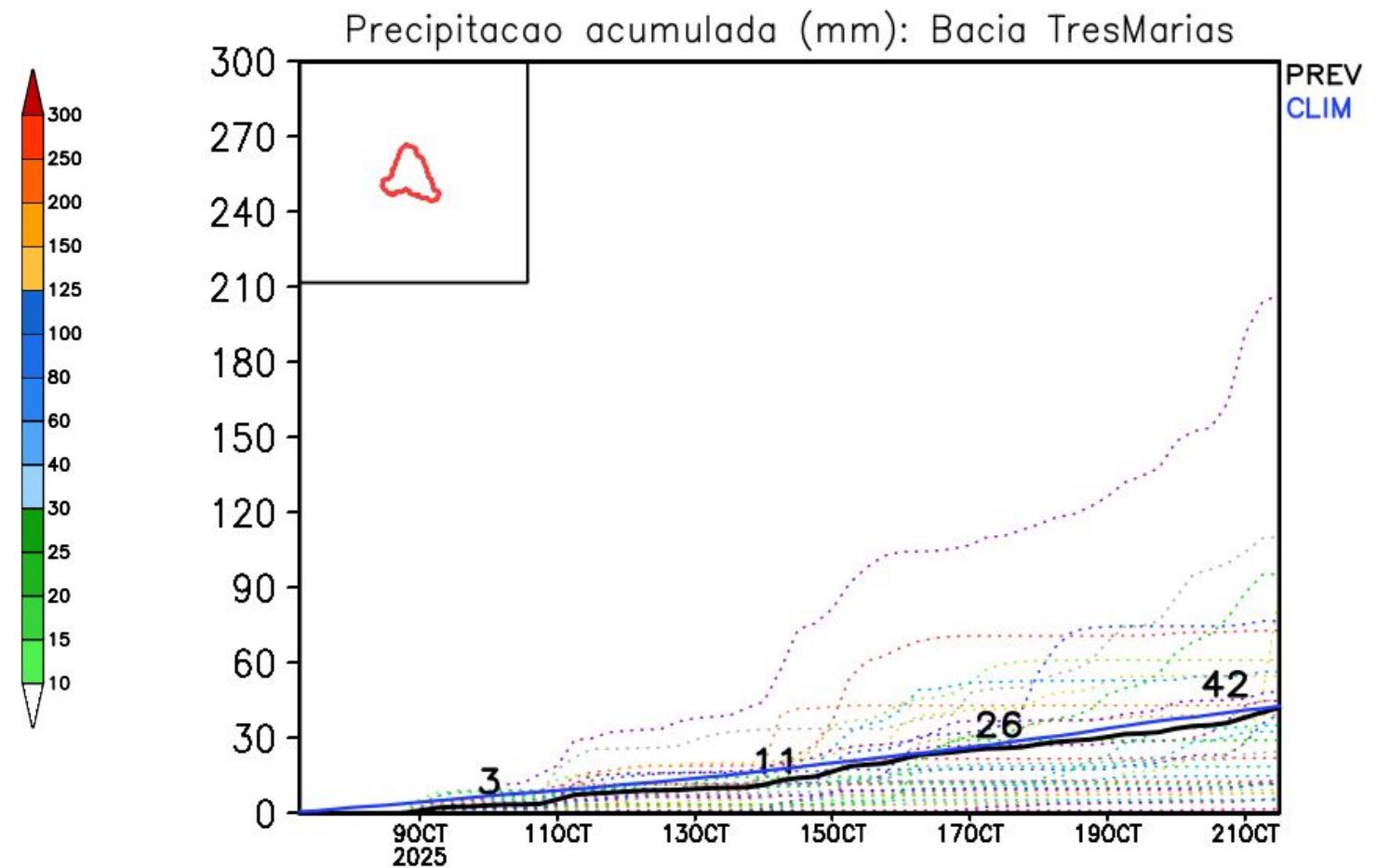
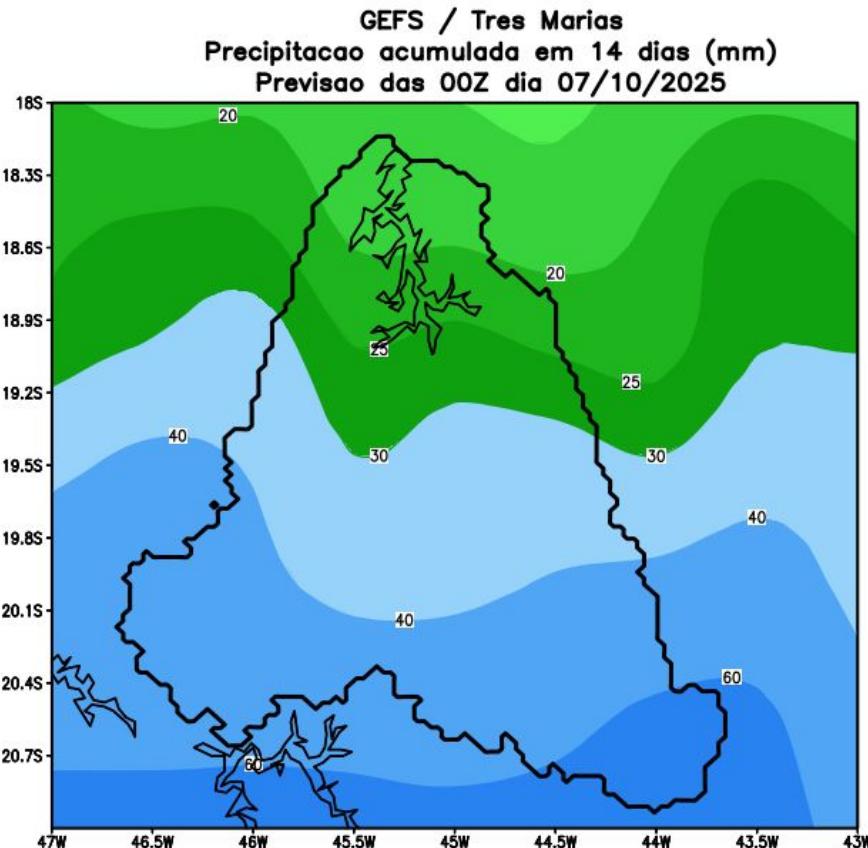
## Bacia do rio São Francisco



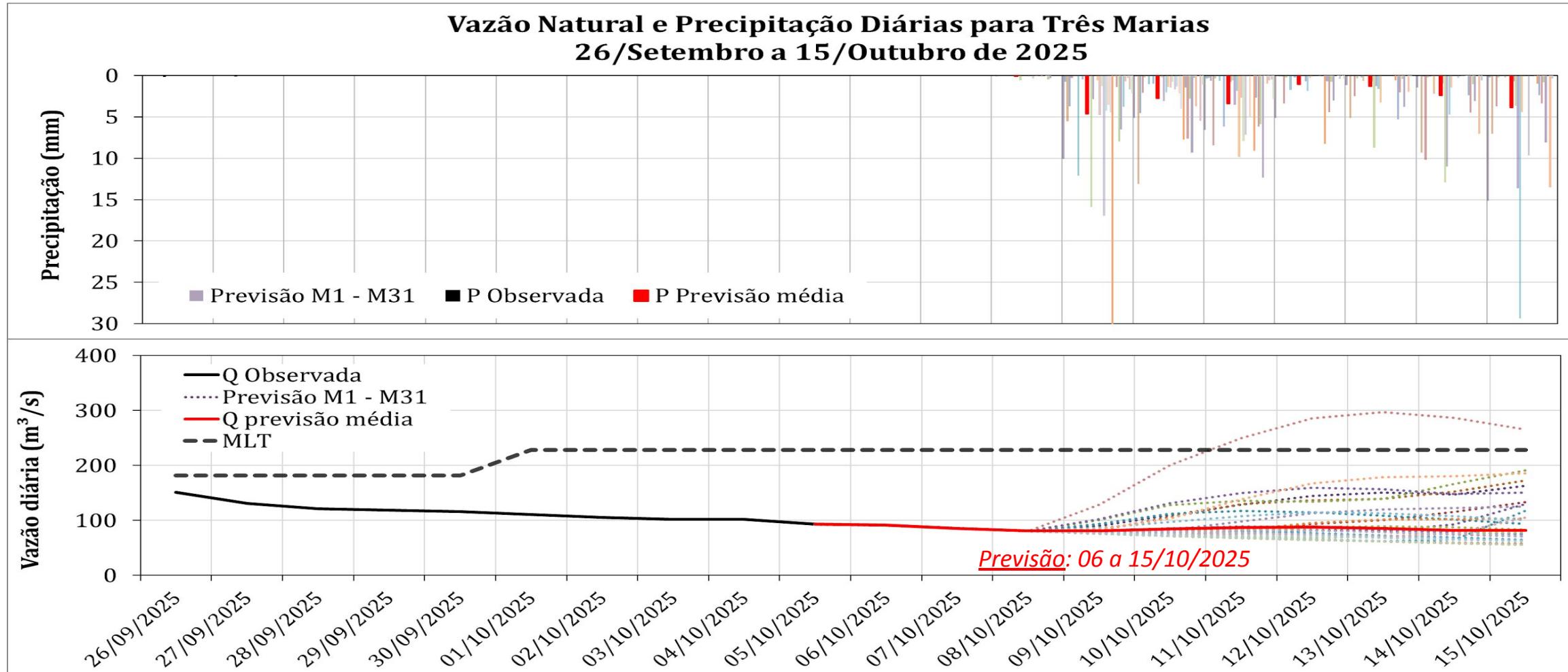
## Bacia de Sobradinho



## Bacia de Três Marias



# UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)



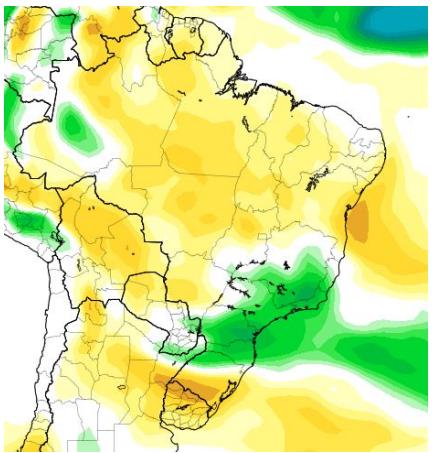
**Previsão média para  
os próximos 10 dias: 85 m<sup>3</sup>/s**

**37% da MLT de Outubro**

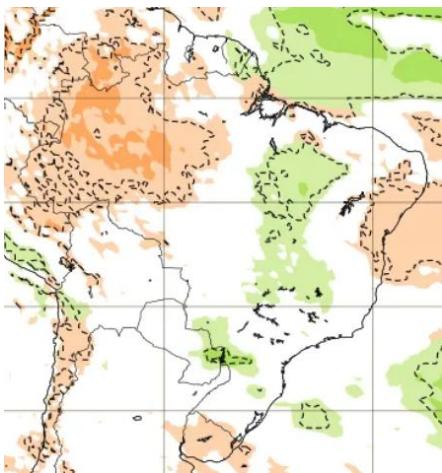
## Tendência 3a e 4a semanas

Americano  
CFS/NOAA

20-26 OUTUBRO

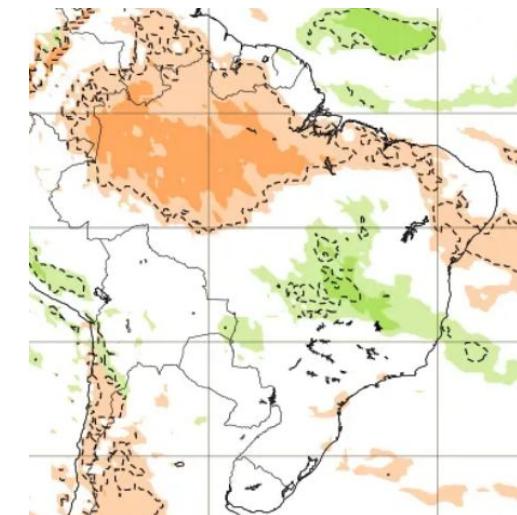
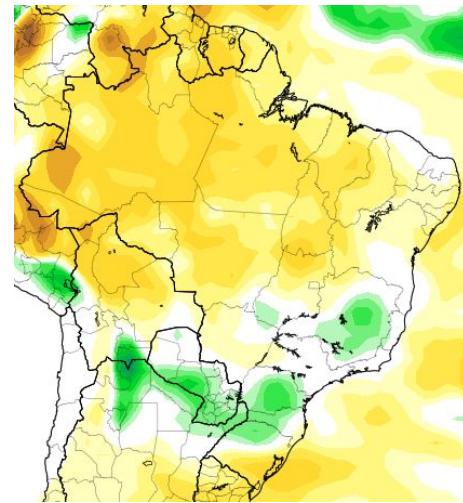


Europeu  
ECMWF



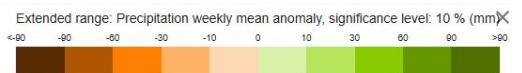
20-26 OUTUBRO

27-02 NOVEMBRO



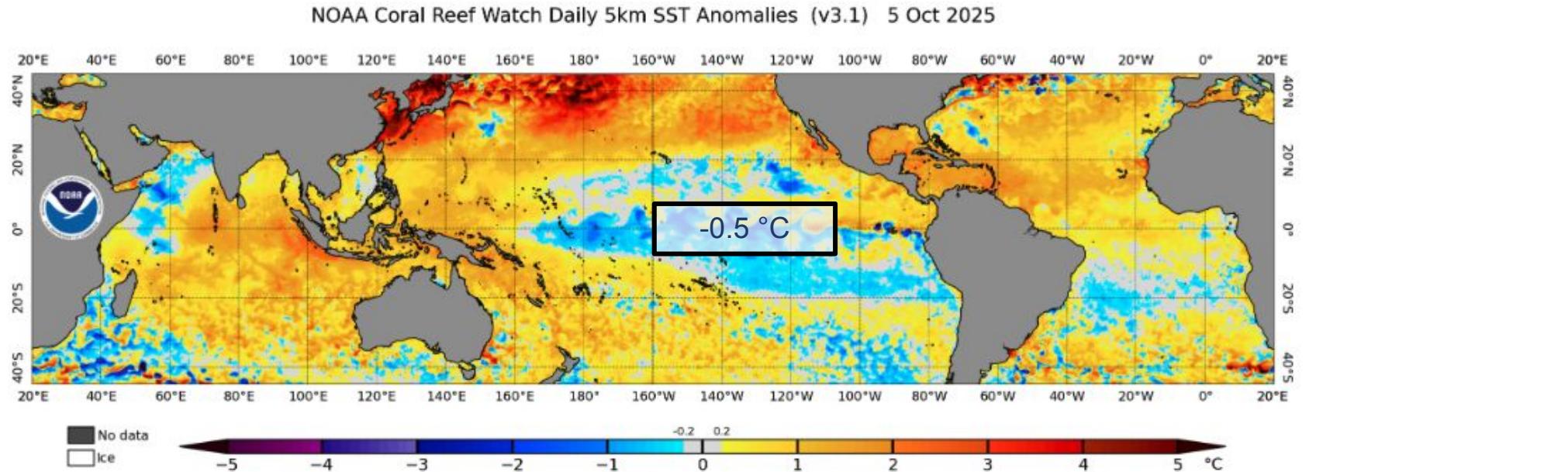
27-02 NOVEMBRO

Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)  
<-60 -60 -60 -30 -10 0 10 30 60 60 >60

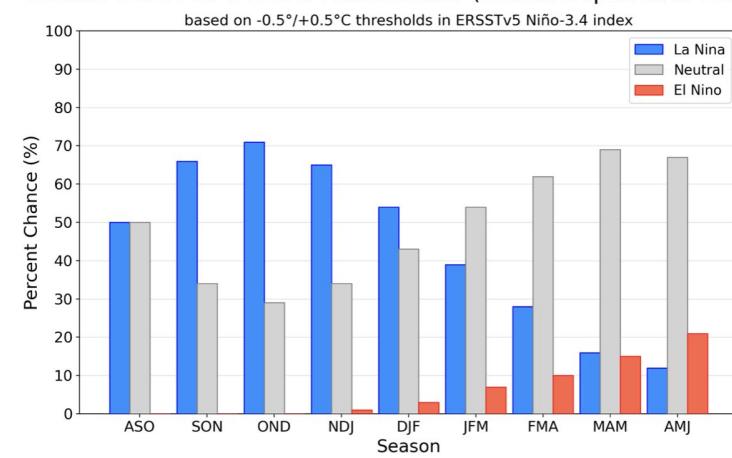


120  
60  
30  
10  
5  
0  
-5  
-10  
-30  
-40  
-60  
-80  
-120

# Status Atual: Neutro - La Niña Watch



Official NOAA CPC ENSO Probabilities (issued September 2025)

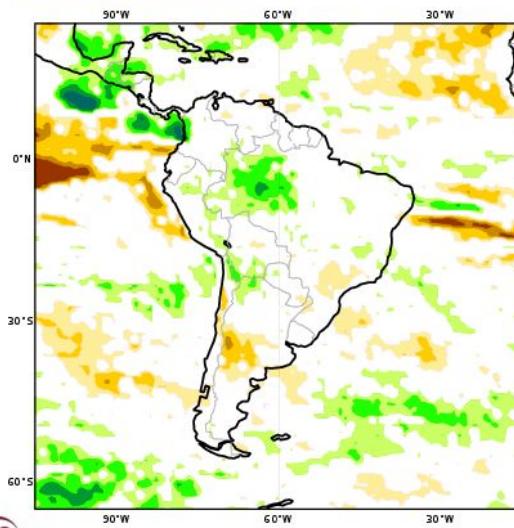


# Previsão Sazonal

## Anomalia de Chuva

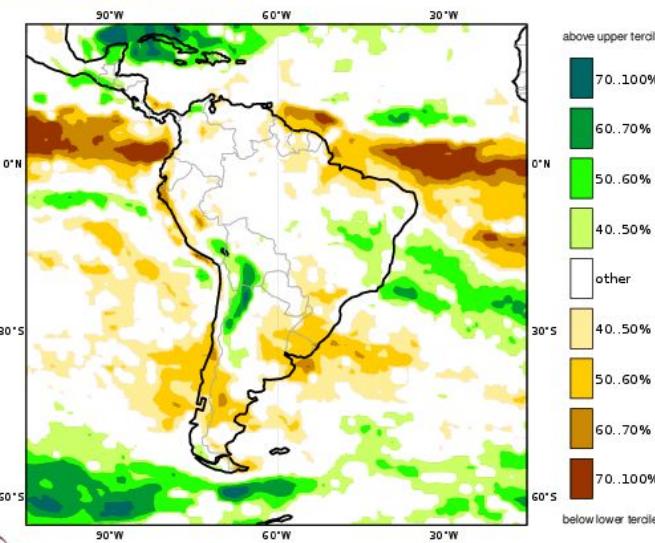
### outubro-novembro-dezembro

C3S: ECMWF contribution  
Prob(most likely category of precipitation)  
Nominal forecast start: 01/09/25  
Ensemble size = 51, climate size = 600



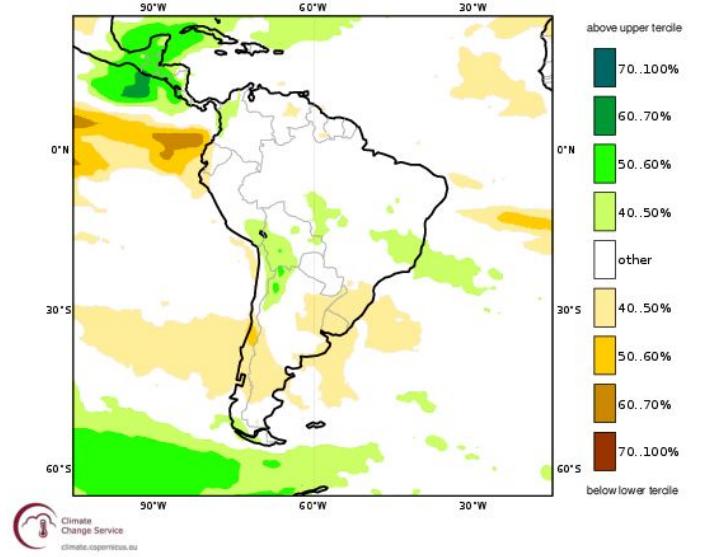
OND 2025

C3S: NCEP contribution  
Prob(most likely category of precipitation)  
Nominal forecast start: 01/09/25  
Ensemble size = 52, climate size = 384



OND 2025

C3S multi-system seasonal forecast  
Prob(most likely category of precipitation)  
Nominal forecast start: 01/09/25  
Unweighted mean



OND 2025

Modelo do Centro Europeu

Modelo dos EUA

Combinação de vários países

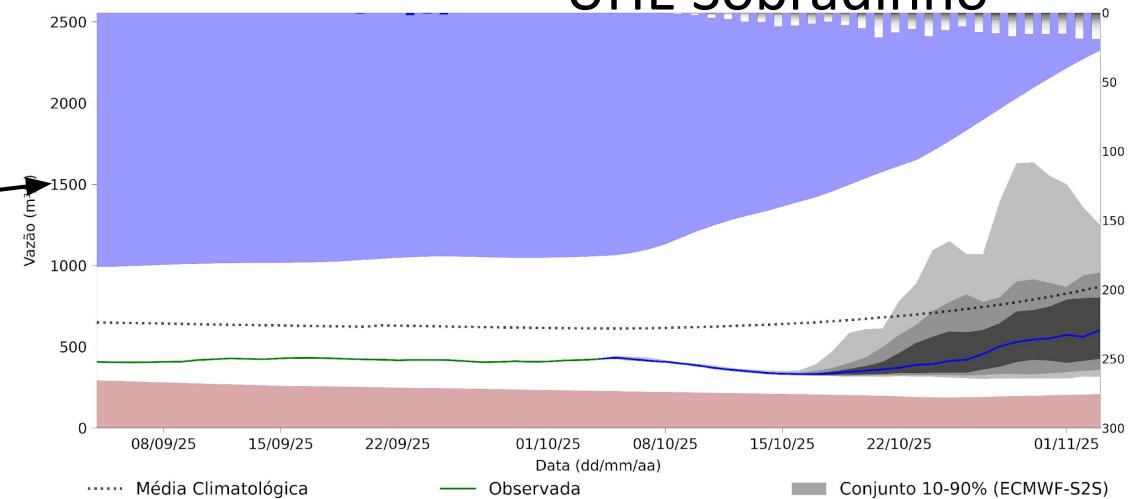
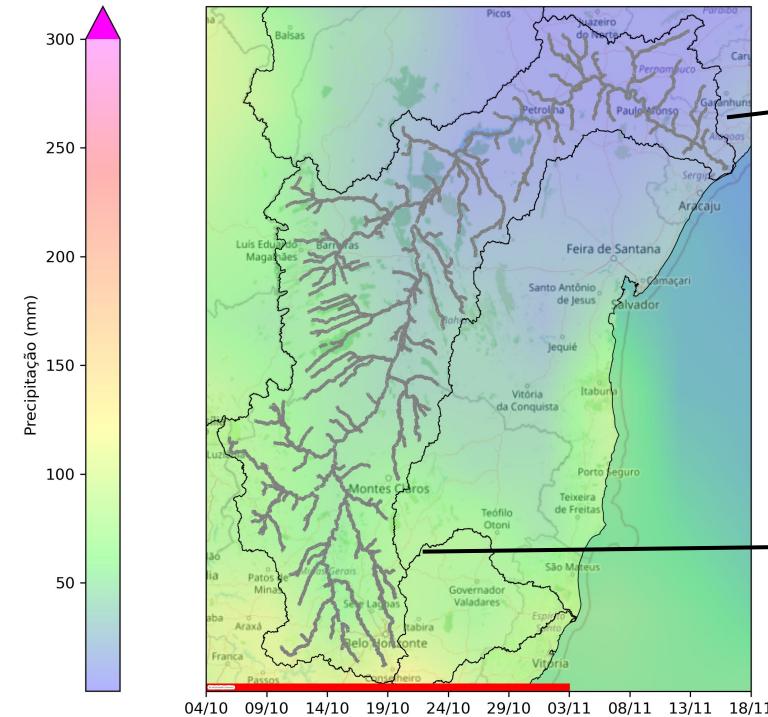


# Previsão de vazão natural na Bacia Rio São Francisco (Modelo hidrológico MHD)

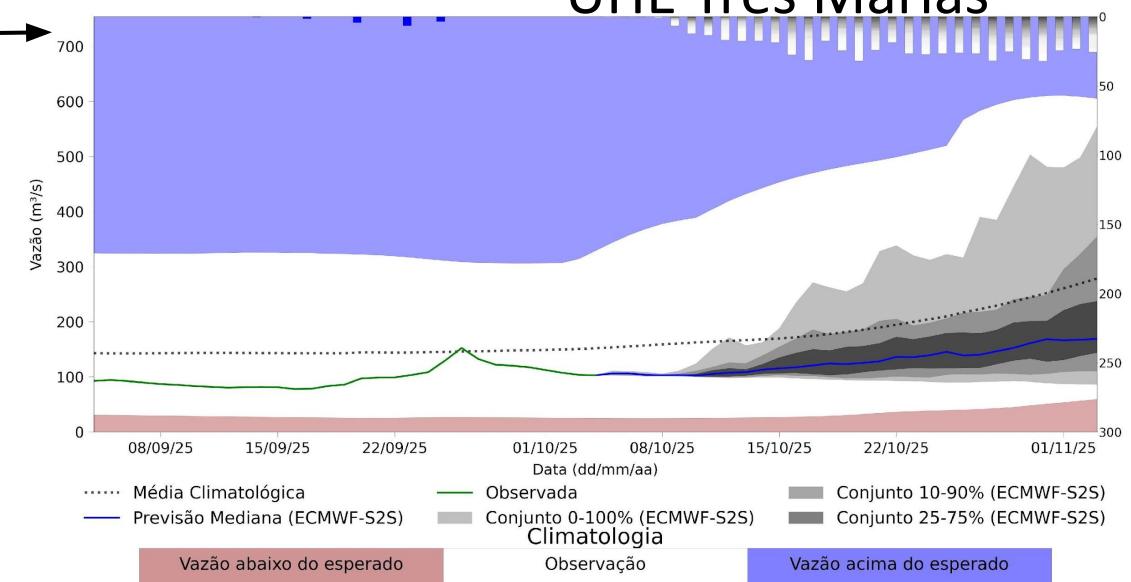
UHE Sobradinho

Previsão: 04/10/2025 a 03/11/2025

03/11/2025



UHE Três Marias



Fonte: Meteorologia (INMET/MERGE); Vazão

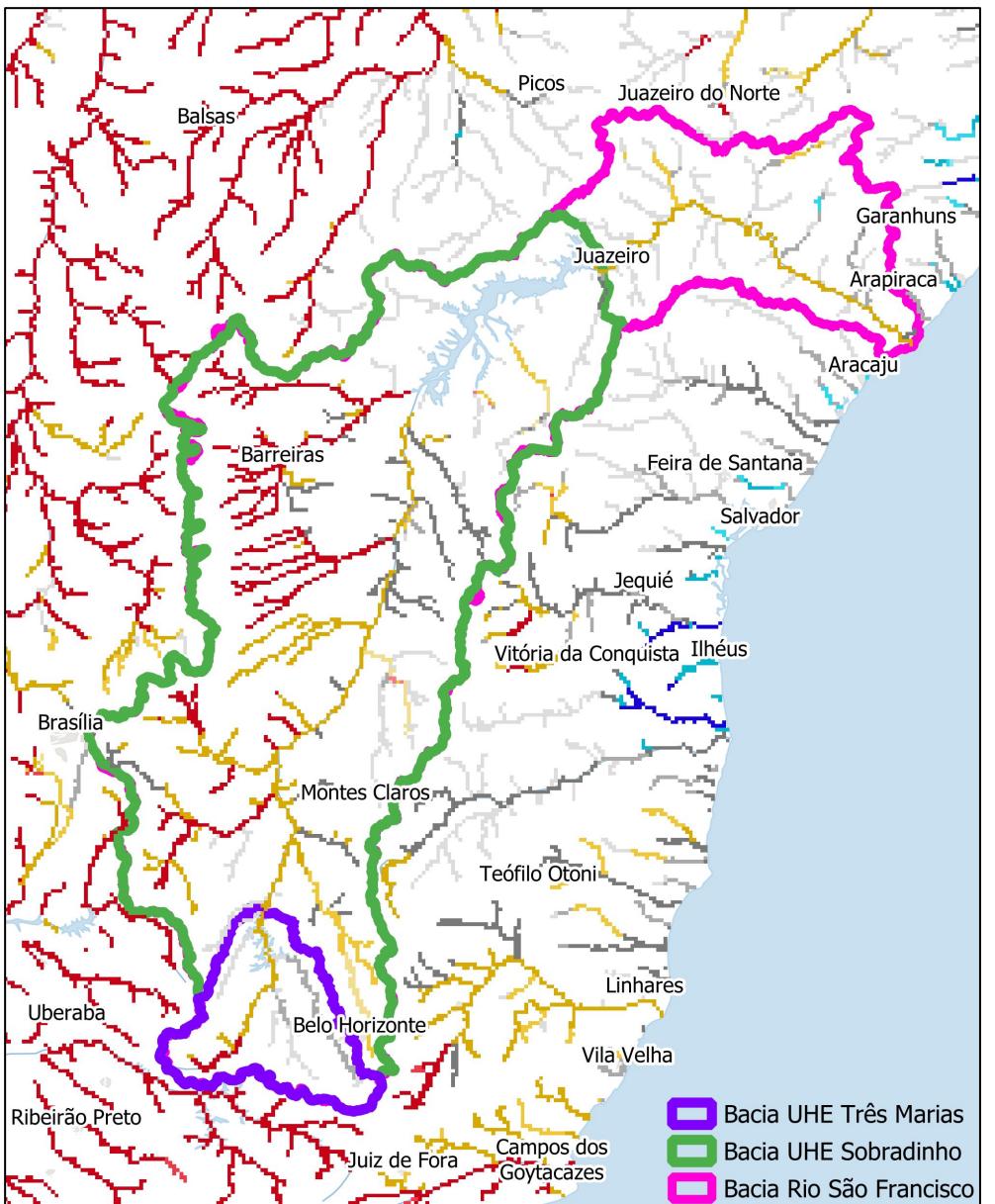
(ANA/ONS)

MLT: 1993-2024

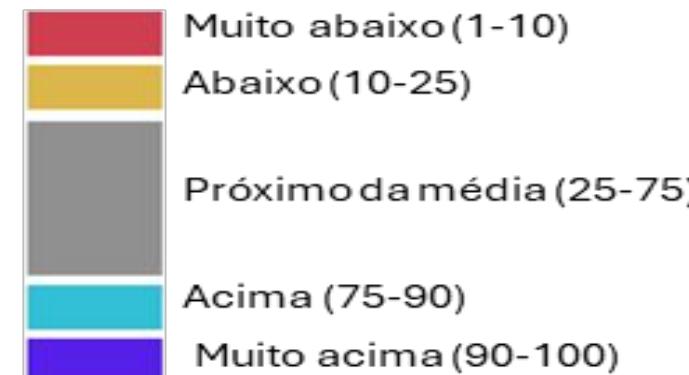
Previsão Meteorológica: ECMWF-S2S

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

Previsão: 06/10/2025 – 17/11/2025

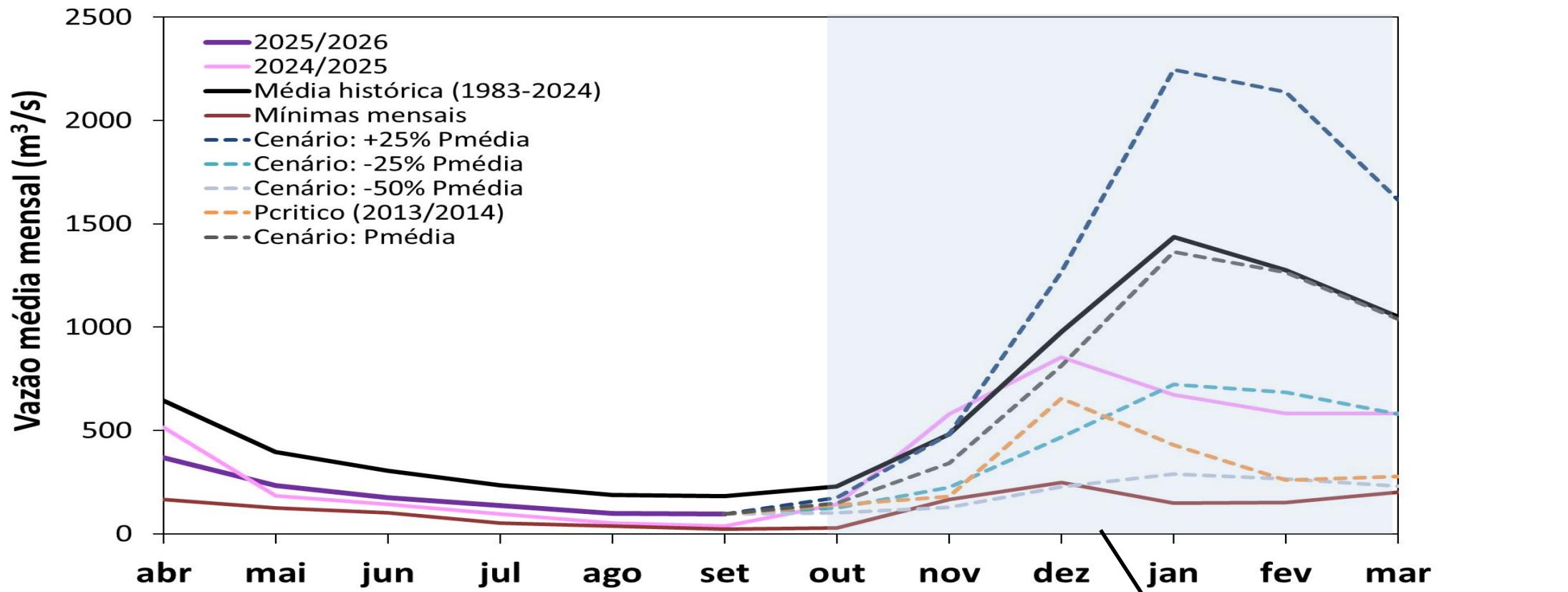


## Categoría de anomalia para as vazões (percentil)



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

# Três Marias: Projeção de Vazão (Modelo hidrológico PDM-CEMADEN)



Out-Mar (Meses Chuvosos)  
MLT: 908  $m^3/s$

Vazão	% MLT
1146 $m^3/s$	126%
724 $m^3/s$	80%
414 $m^3/s$	46%
292 $m^3/s$	32%