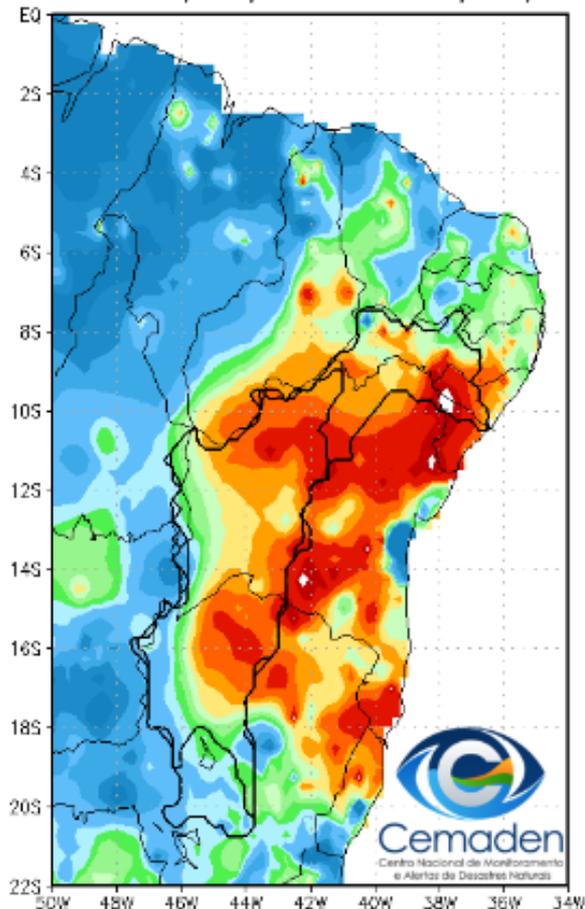


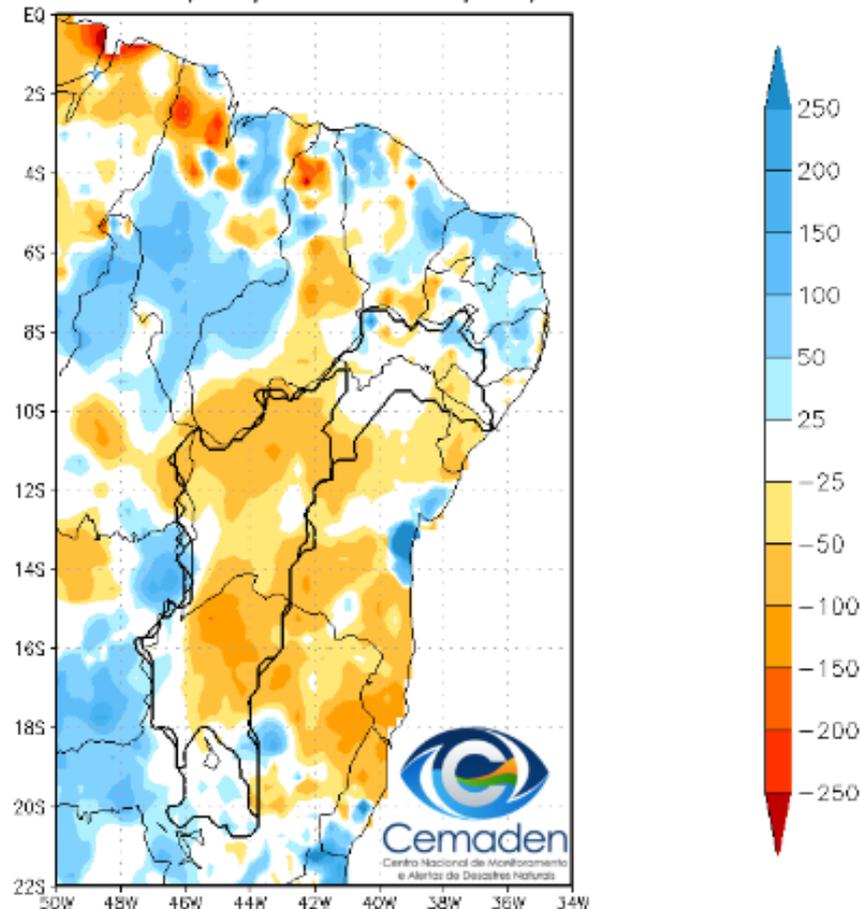
# Monitoramento, Previsões e Projeções para a Bacia do Rio São Francisco

## Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Período: 02/03/2024 a 01/04/2024

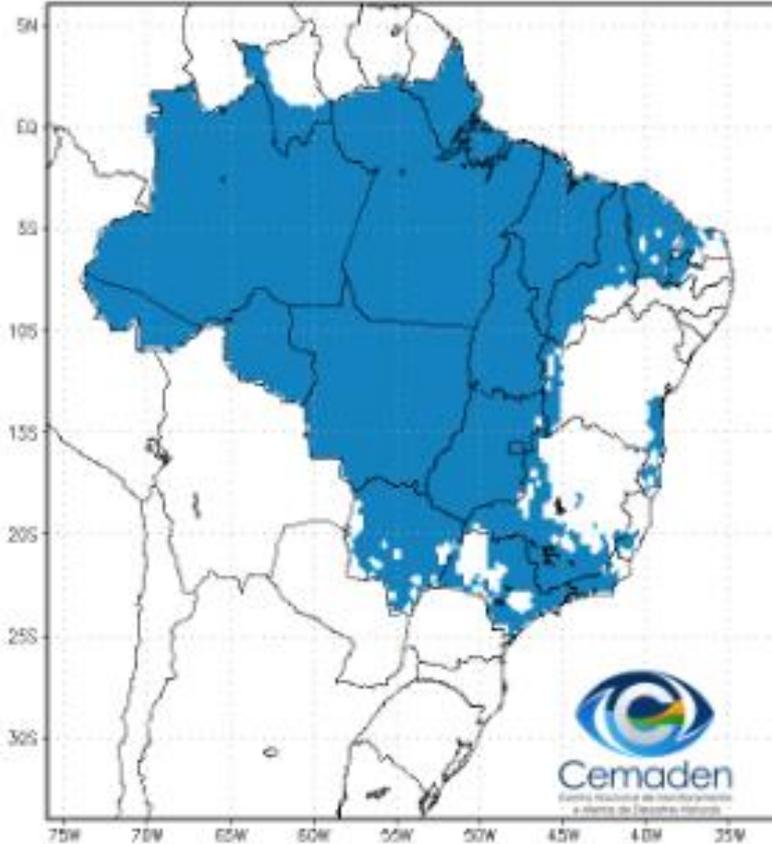


Anomalia de Precipitacao (mm) A.S.  
Período: 02/03/2024 a 01/04/2024

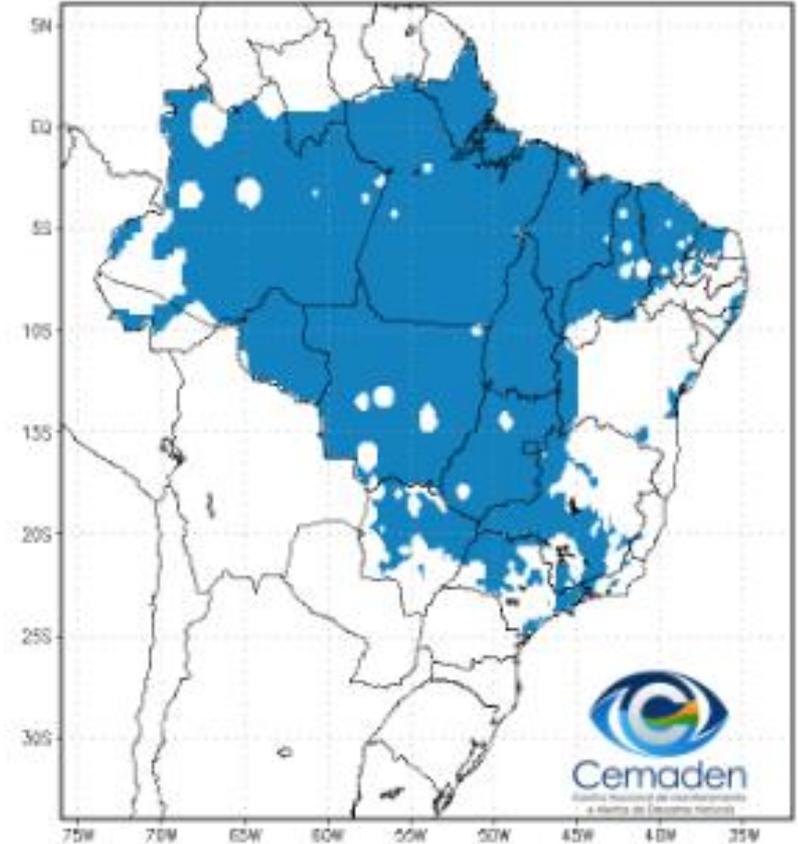


## Situação da Estação Chuvosa

Climatologia da Precipitação (1999–2023)  
Inferior 2 mm/dia por 4 de 5 dias Período: 01/04

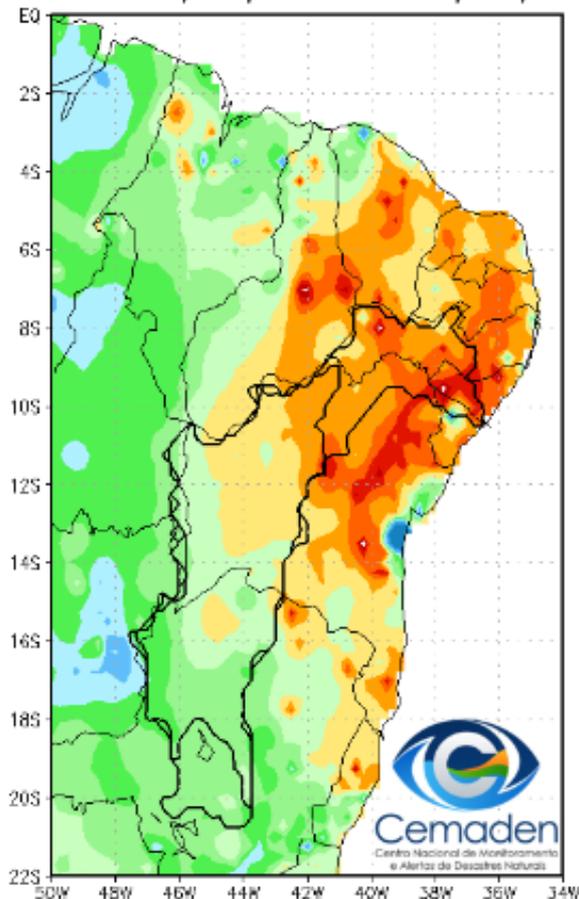


Precipitação Inferior 2 mm/dia por 4 de 5 dias  
Período: 01/04/2024

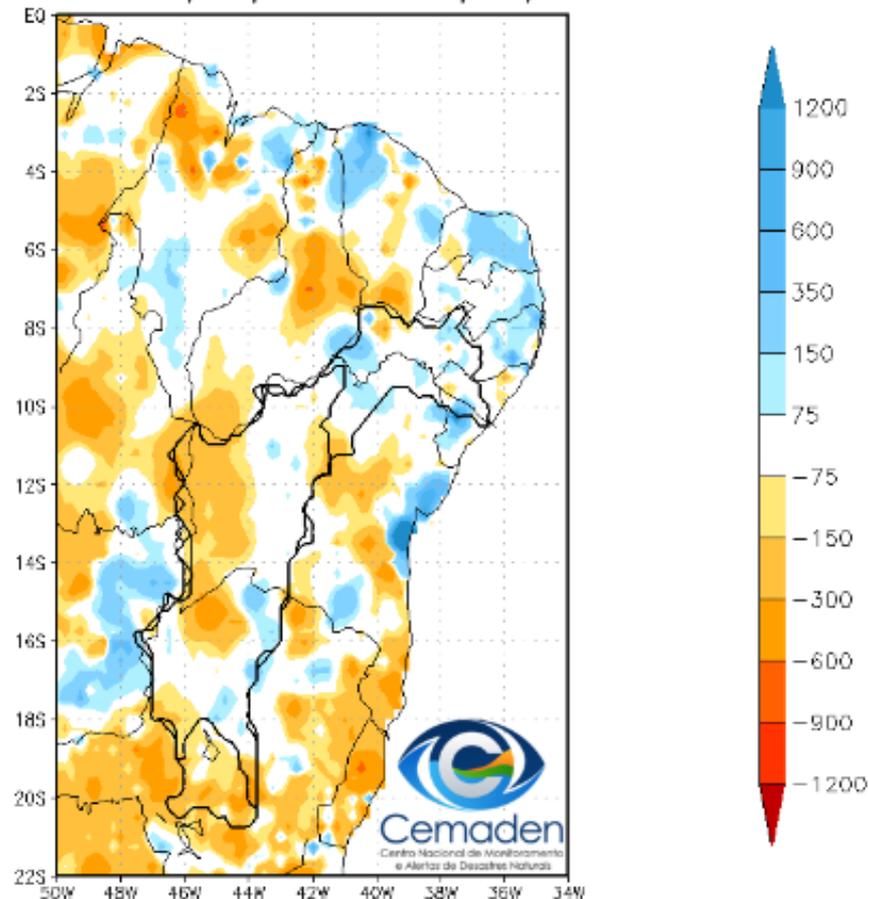


## Chuva no Ano Hidrológico - desde 01/10/2023

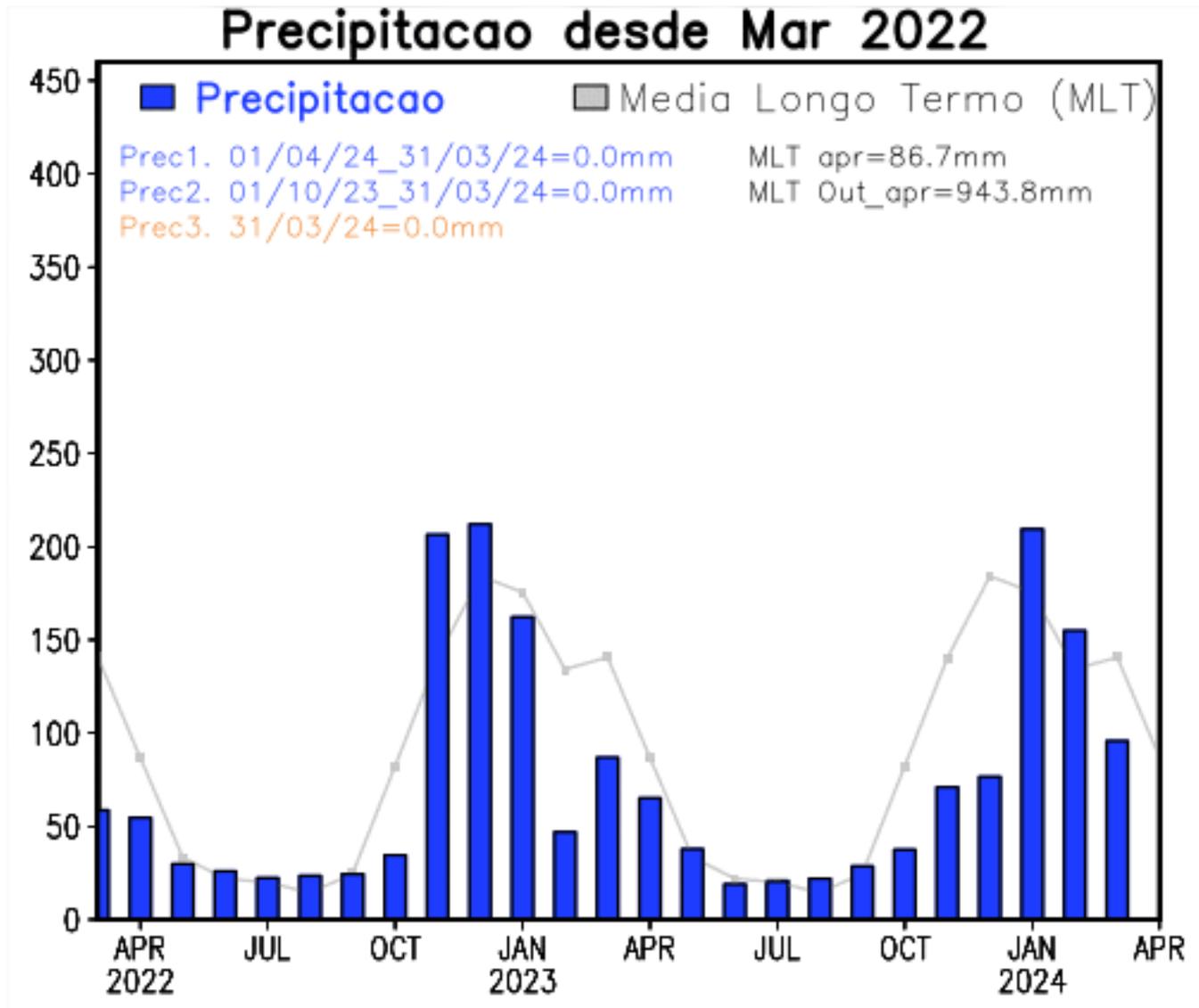
Precipitacao Acumulada (mm) A.S.  
Período: 01/10/2023 a 01/04/2024



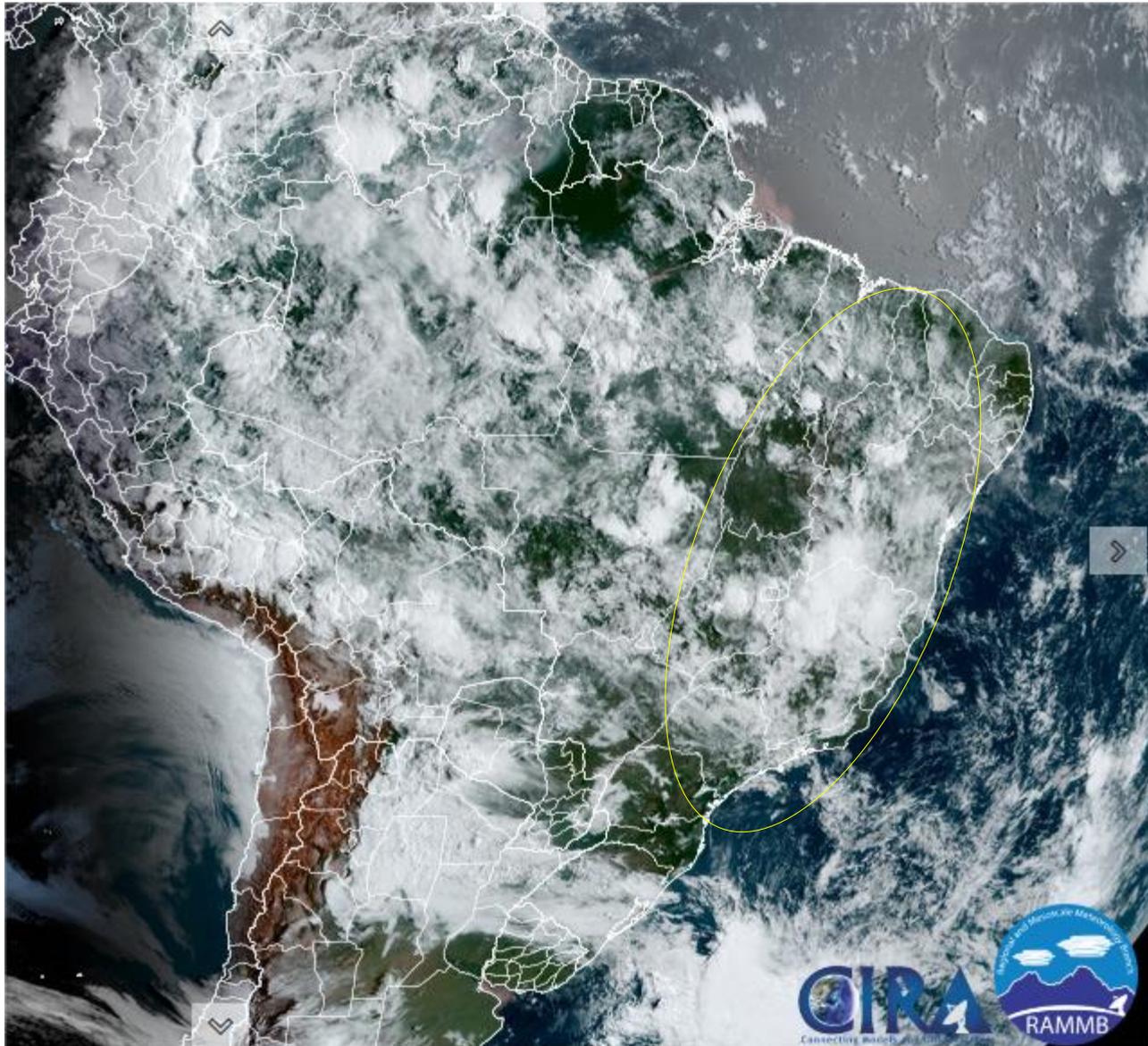
Anomalia de Precipitacao (mm) A.S.  
Período: 01/10/2023 a 01/04/2024



# Bacia do rio São Francisco

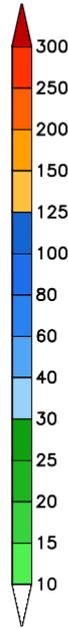
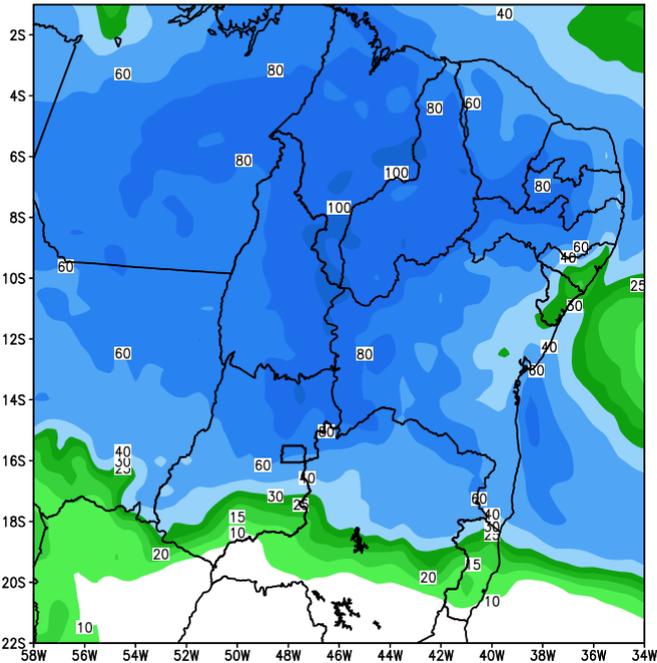


# Situação meteorológica atual

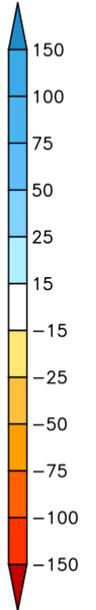
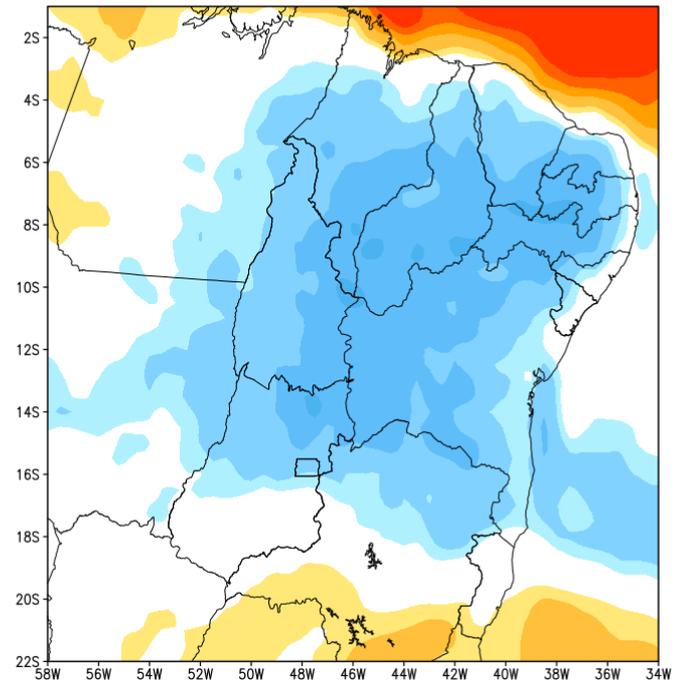


# Previsão de chuva próximos 7 dias

GEFS / BRASIL\_NE  
Precipitacao acumulada 1aSem (mm)  
Previsao das 00Z dia 02/04/2024



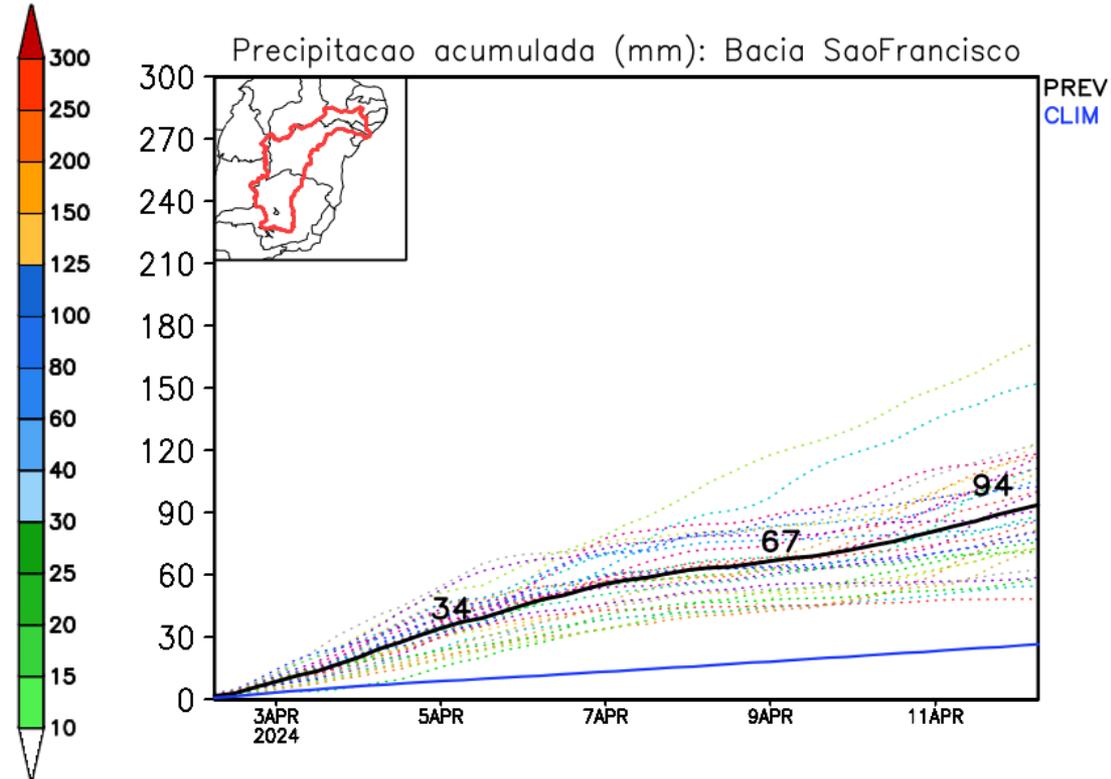
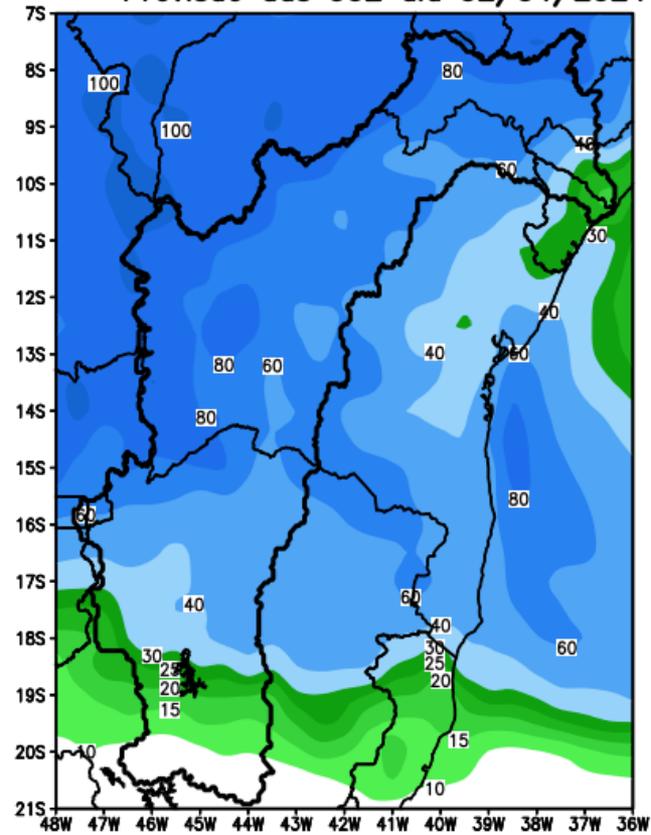
Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2024040200 a 2024040900



Fonte: GEFS/NOAA

# Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 02/04/2024

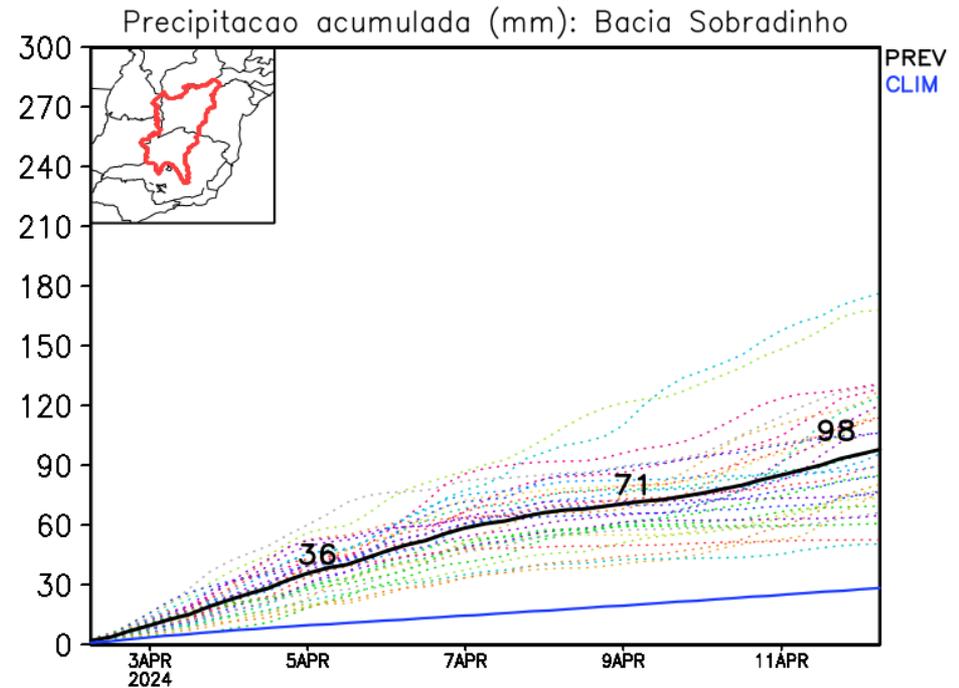
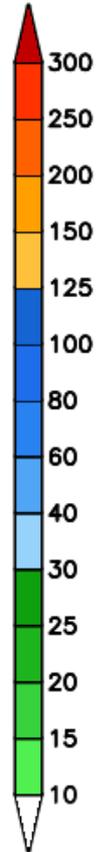
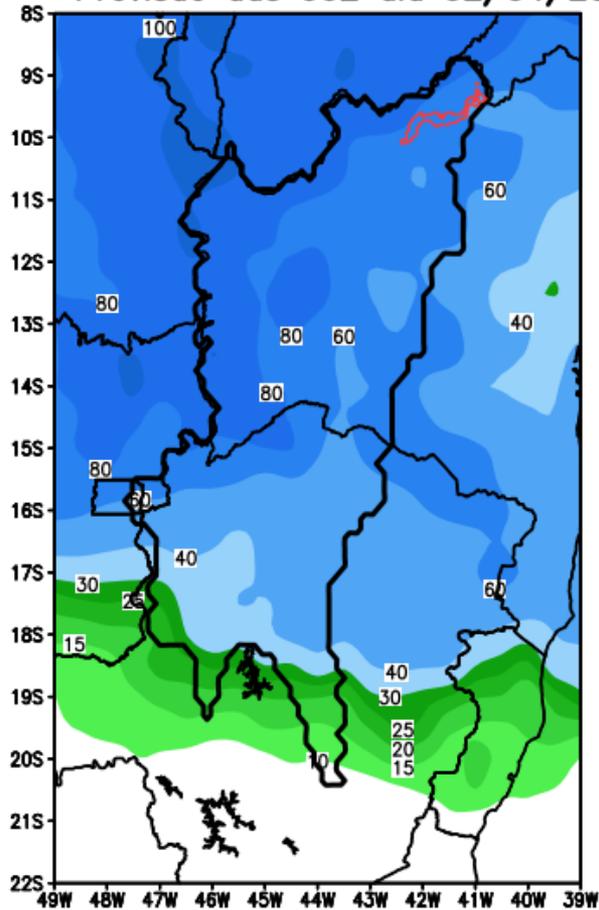


# Bacia de Sobradinho

GEFS / Sobradinho

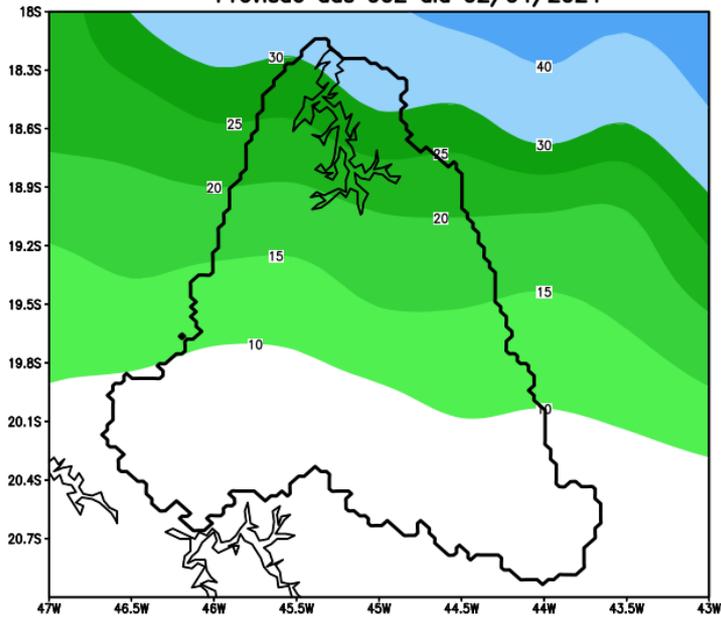
Precipitacao acumulada em 7 dias (mm)

Previsao das 00Z dia 02/04/2024

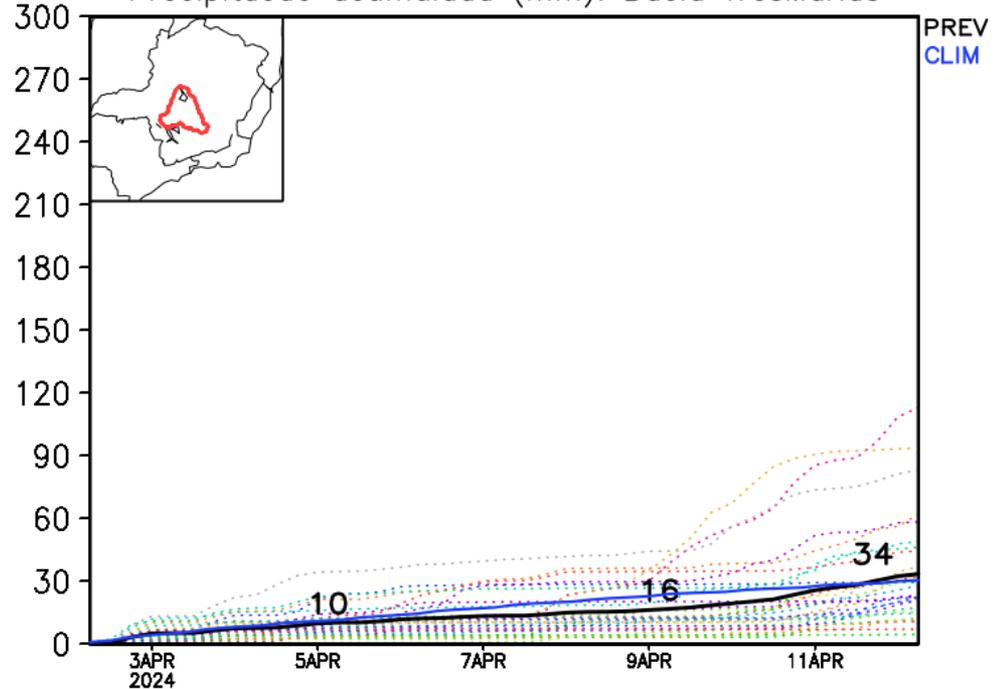


# Bacia de Três Marias

GEFS / Tres Marias  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 02/04/2024



Precipitacao acumulada (mm): Bacia TresMarias



# Monitoramento UHE Três Marias

## Precipitação

### Estação Chuvosa - Out a Mar - 1205 mm

2022/2023: 1288 mm (107% da MLT)

2023/2024\*: 1057 mm (88% da MLT)

### Estação Seca - Abr a Set - 178 mm

2022: 116 mm (65% da MLT)

2023: 142 mm (79% da MLT)

**Mar/24\*:** 215 mm (132% da MLT)

\*Até 31/03/2024

## Vazão

### Estação Chuvosa - Nov a Abr - 986 m<sup>3</sup>/s

2022/2023: 1029 m<sup>3</sup>/s (104% da MLT)

2023/2024\*: 466 m<sup>3</sup>/s (47% da MLT)

### Estação Seca - Maio a Out - 259 m<sup>3</sup>/s

2022: 250 m<sup>3</sup>/s (96% da MLT)

2023: 211 m<sup>3</sup>/s (82% da MLT)

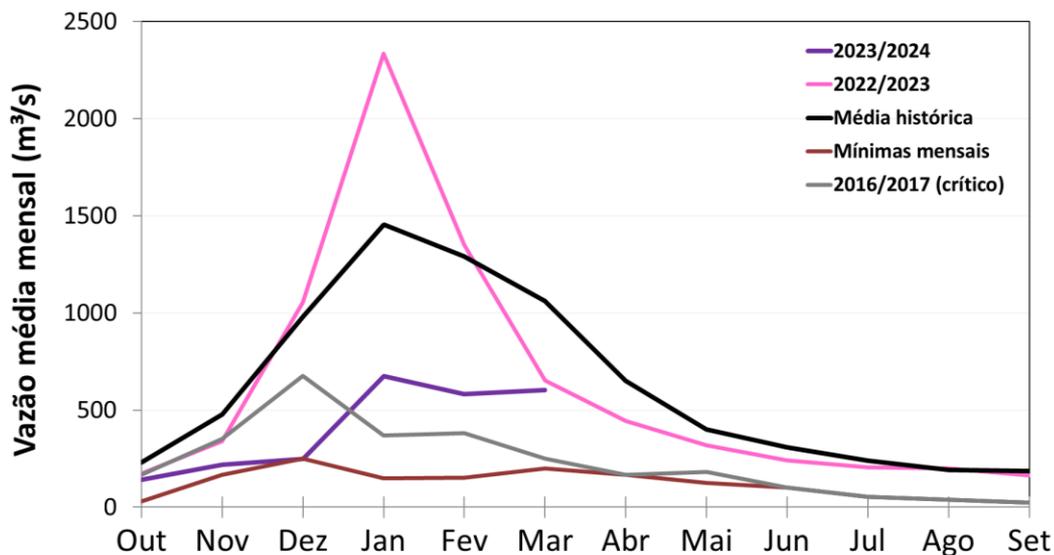
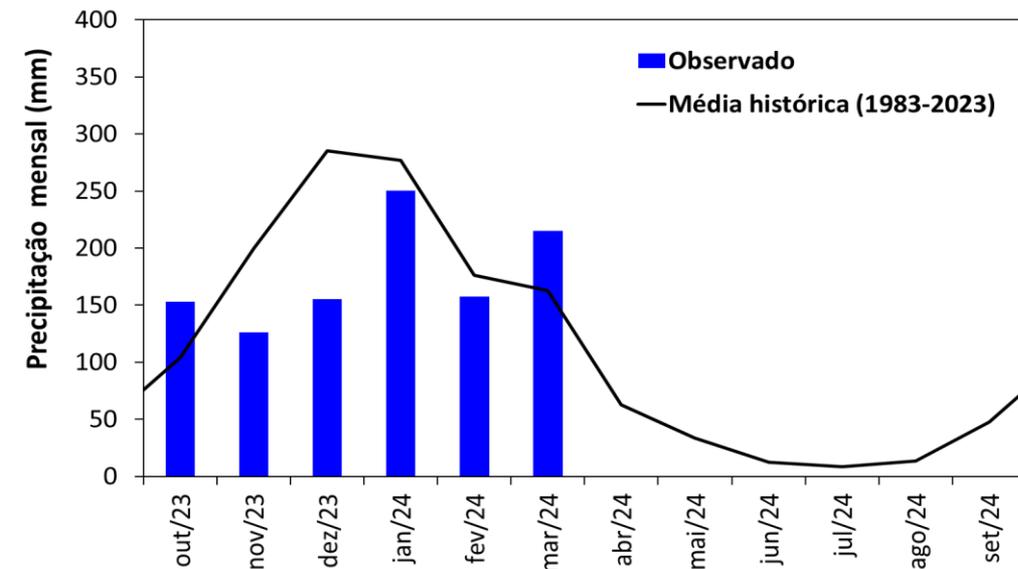
**Mar/24:** 603 m<sup>3</sup>/s (57% da MLT)

**31/Mar/24:** 1181 m<sup>3</sup>/s (111% da MLT)

\*Até 31/03/2024

Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

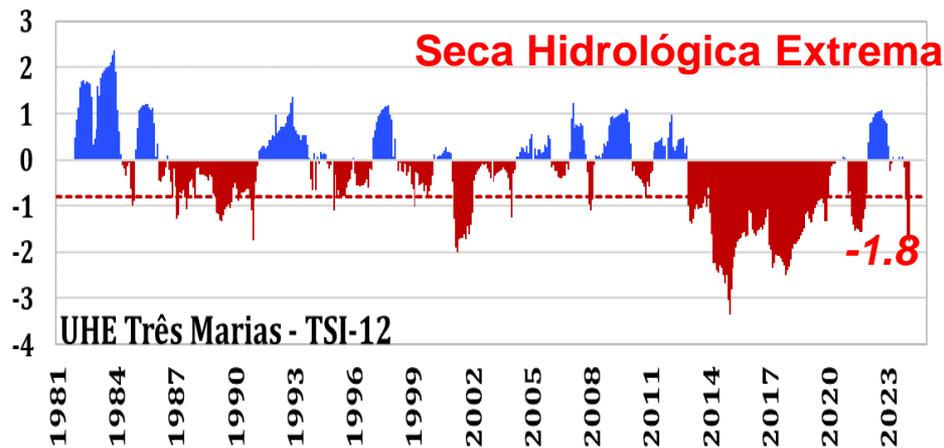


**MLT: Média de Longo Termo (1983-2023)**

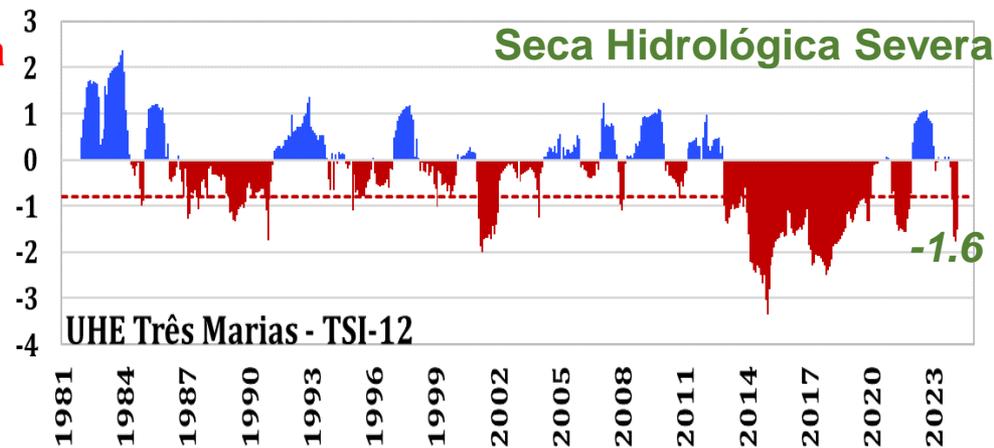
# Monitoramento UHE Três Marias

## Índice Padronizado Bivariado (Chuva-Vazão) - TSI-12

Fevereiro/2024



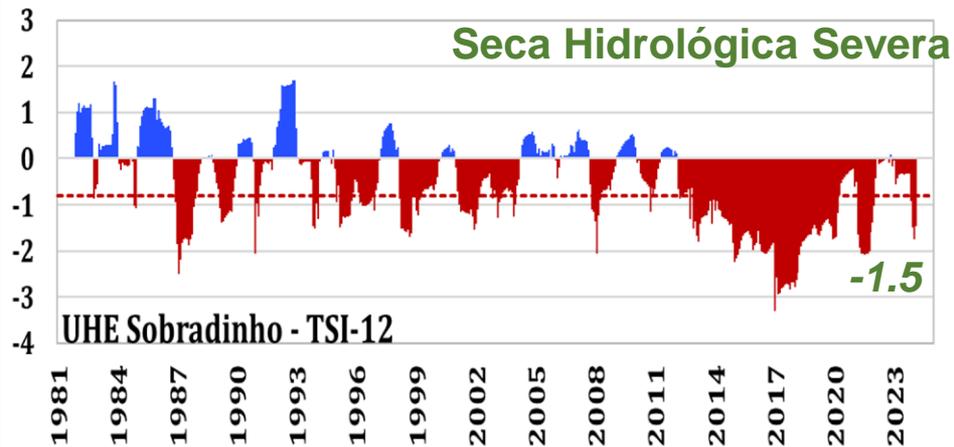
Março/2024



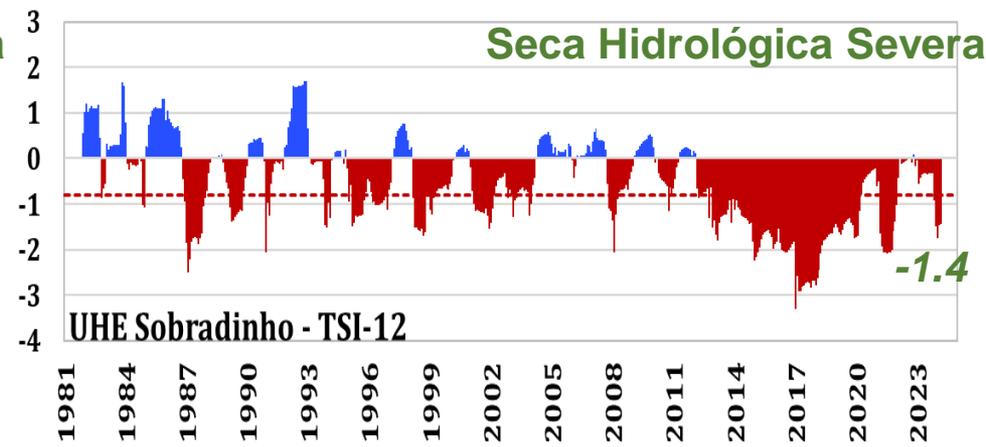
# Monitoramento UHE Sobradinho

## Índice Padronizado Bivariado (Chuva-Vazão) - TSI-12

### Fevereiro/2024

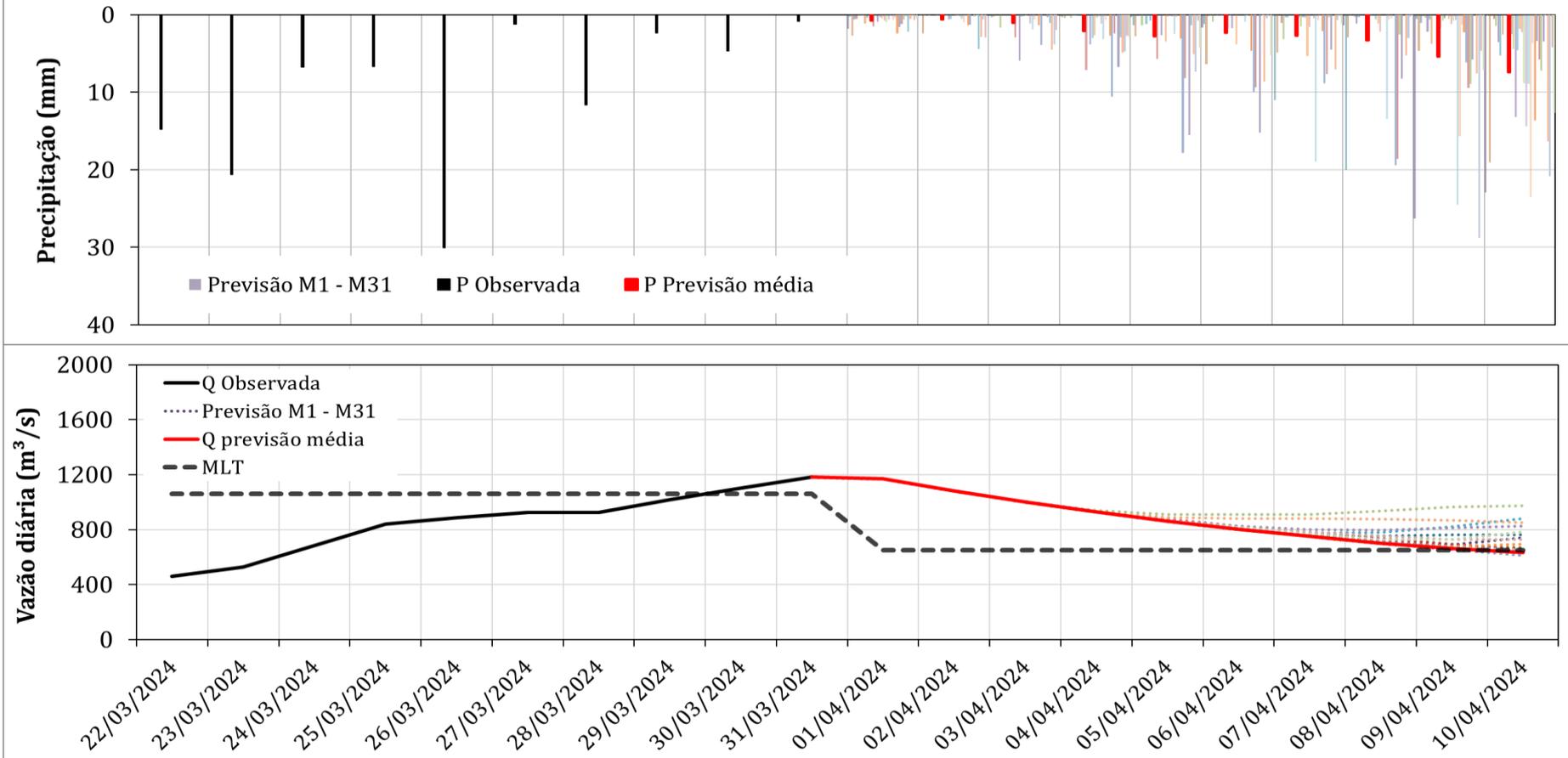


### Março/2024



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

Vazão Natural e Precipitação Diárias para Três Marias  
22/Março a 10/Abril/2024



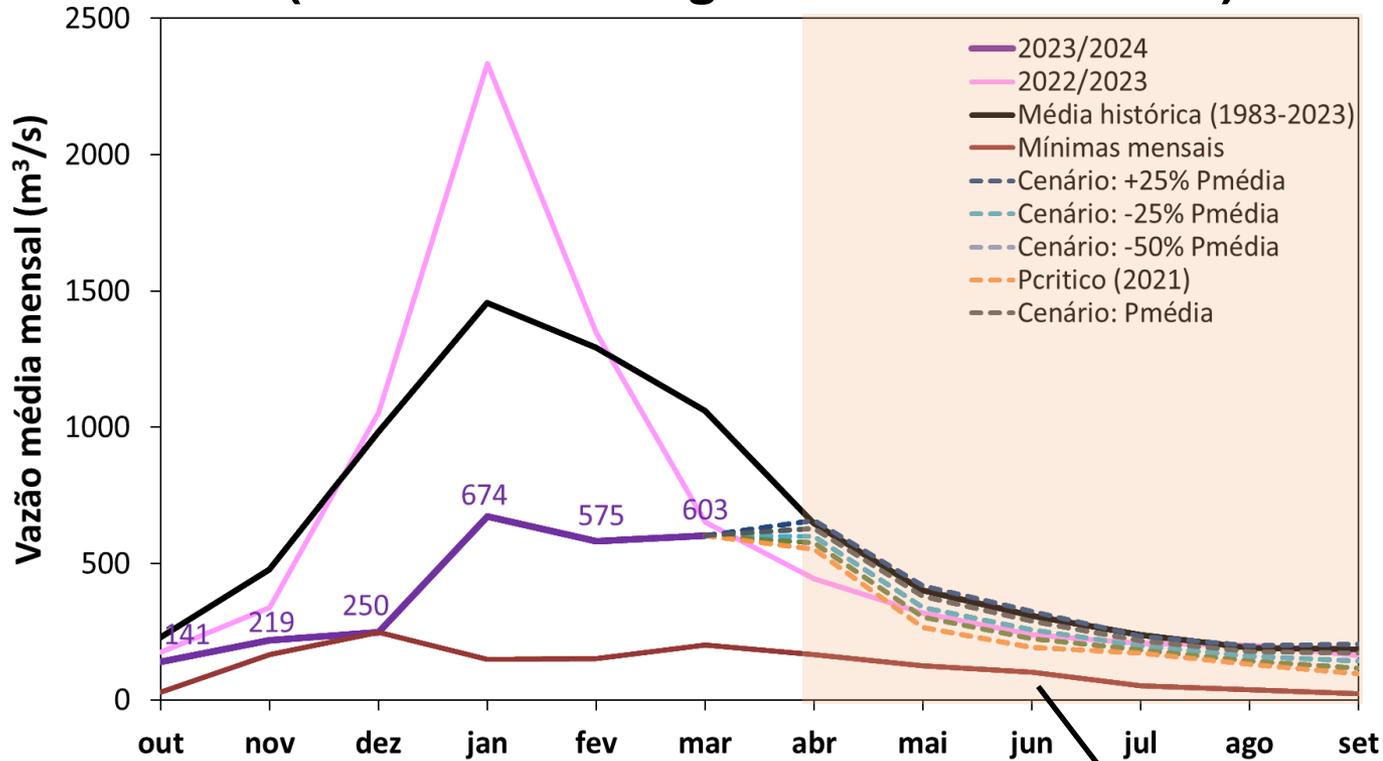
Dados **observados de precipitação** (barras pretas) para o período 22 a 31/03 e **previsão** para o período de 01 a 10/04/24.  
Dados **observados de vazão** (linha preta) para o período 22 a 31/03 e **previsão** para o período de 01 a 10/04/24.

As barras coloridas correspondem às previsões da chuva para os 31 membros GEFS/NOAA e à média destes membros.

As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: **845 m³/s**  
130% da MLT de Abril (649 m³/s)

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



**Abr-Set (Meses secos)**

**MLT: 329 m³/s**

Vazão	% MLT
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340 m³/s	103%
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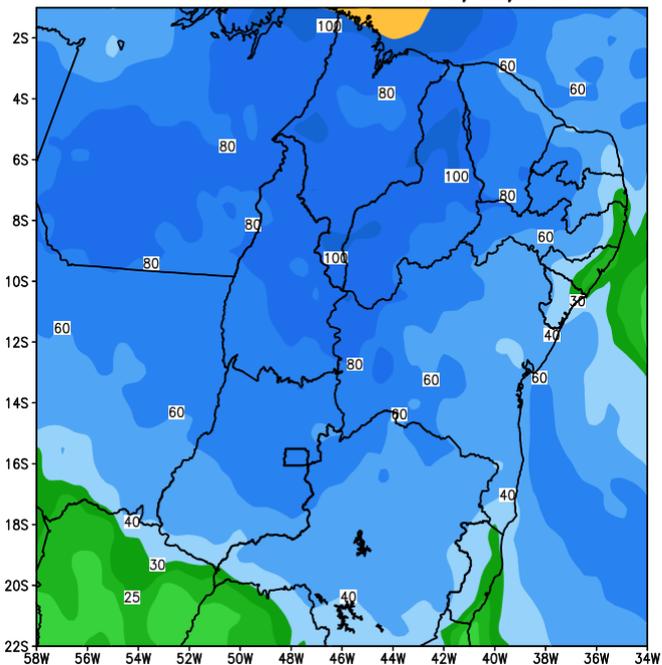
311 m³/s	95%
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284 m³/s	86%
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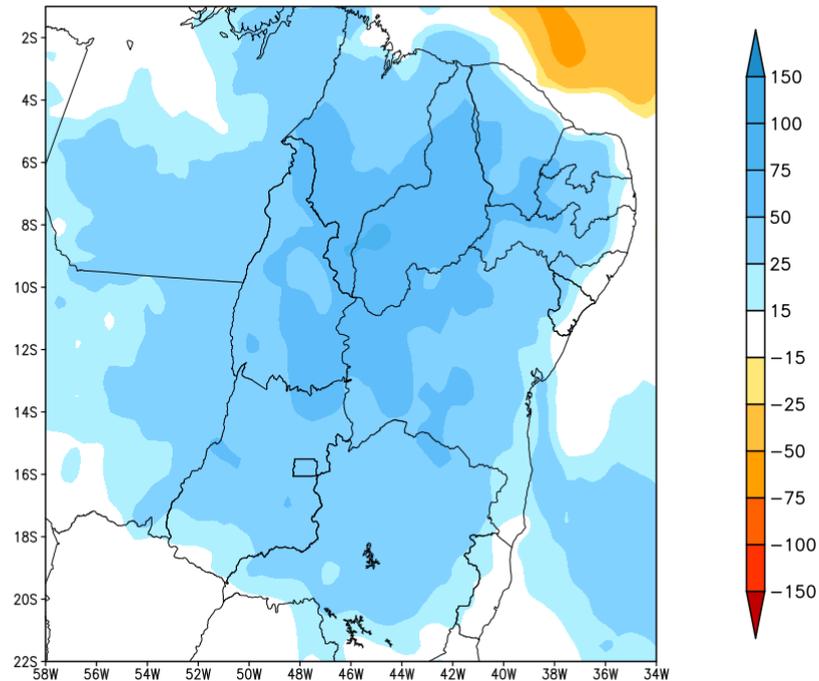
235 m³/s	71%
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# Tendência para a 2a semana

GEFS / BRASIL\_NE  
Precipitacao acumulada 2aSem (mm)  
Previsao das 00Z dia 02/04/2024



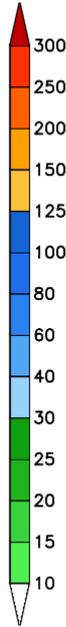
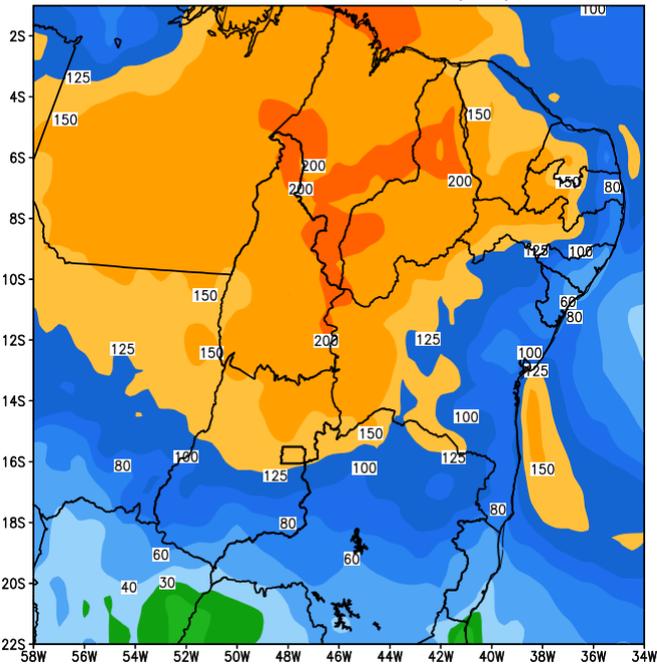
Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2024041000 a 2024041600



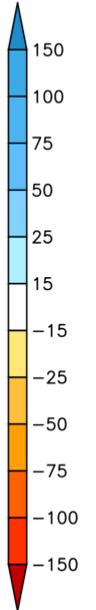
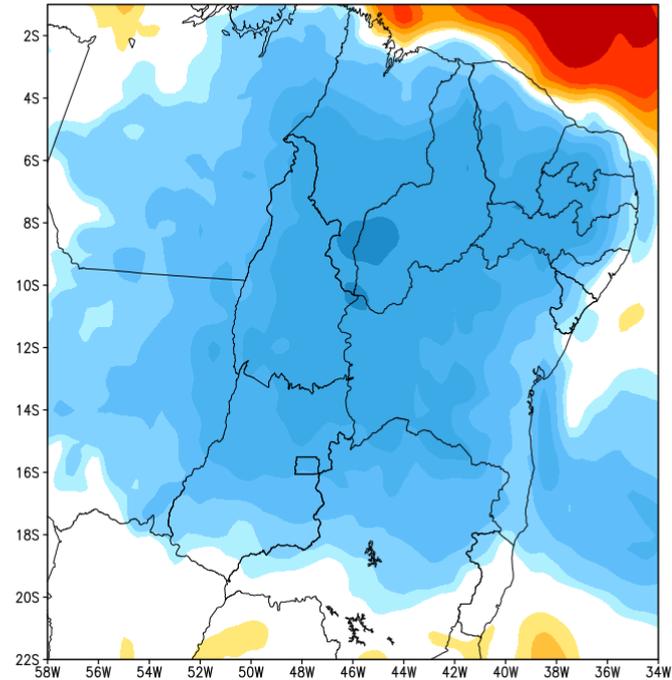
Modelo GFS/NOAA

# Tendência para as duas próximas semanas

GEFS / BRASIL\_NE  
Precipitacao acumulada 14dias (mm)  
Previsao das 00Z dia 02/04/2024



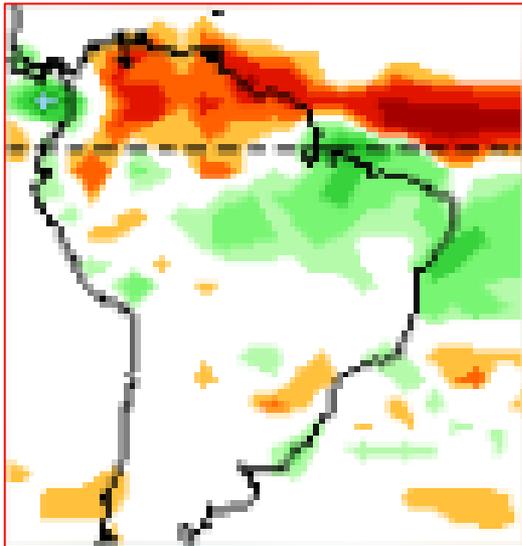
Anomalia de Precipitacao BR NE (mm)  
Periodo: 2024040200 a 2024041600



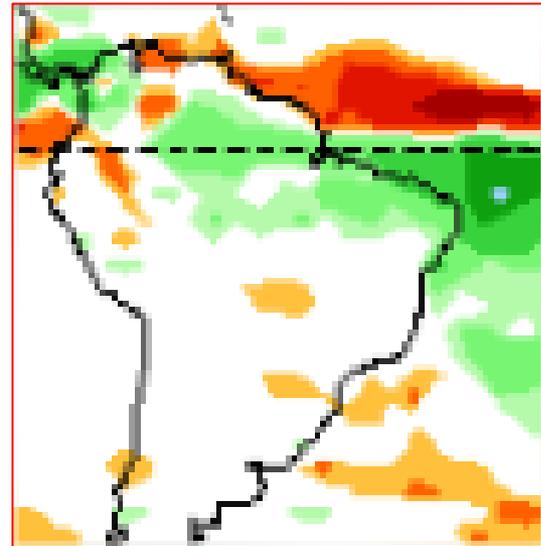
Modelo GFS/NOAA

## Tendência 3a e 4a semanas

15-21 ABR

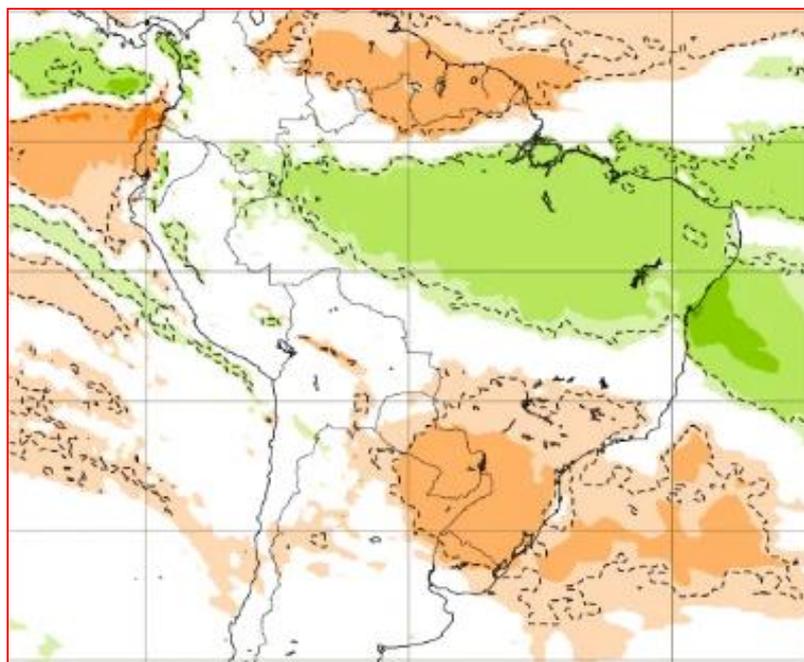


22-28 ABR

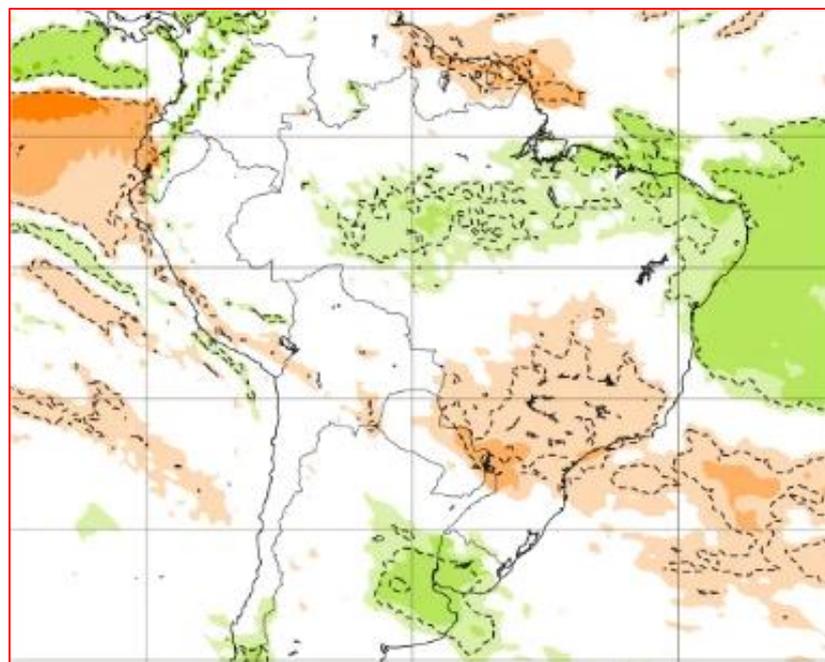


# Tendência para 3ª e 4ª semanas

15-22 ABR

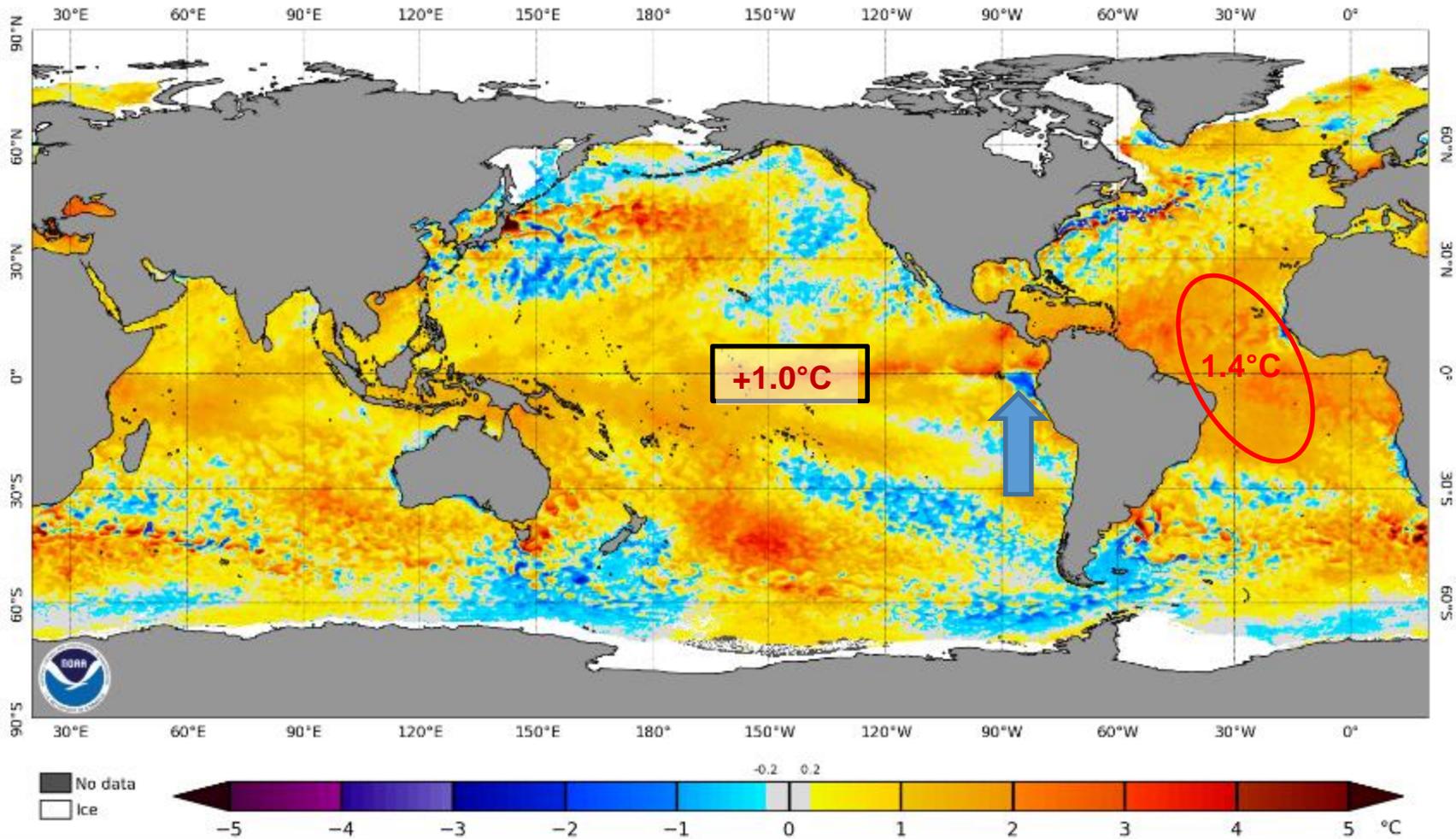


22-29 ABR

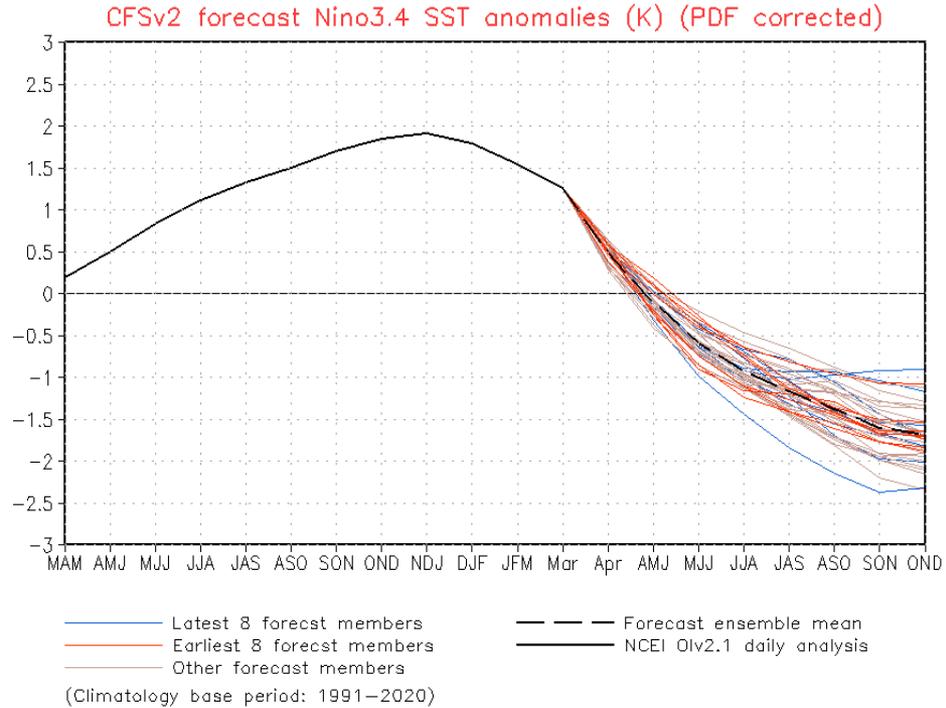
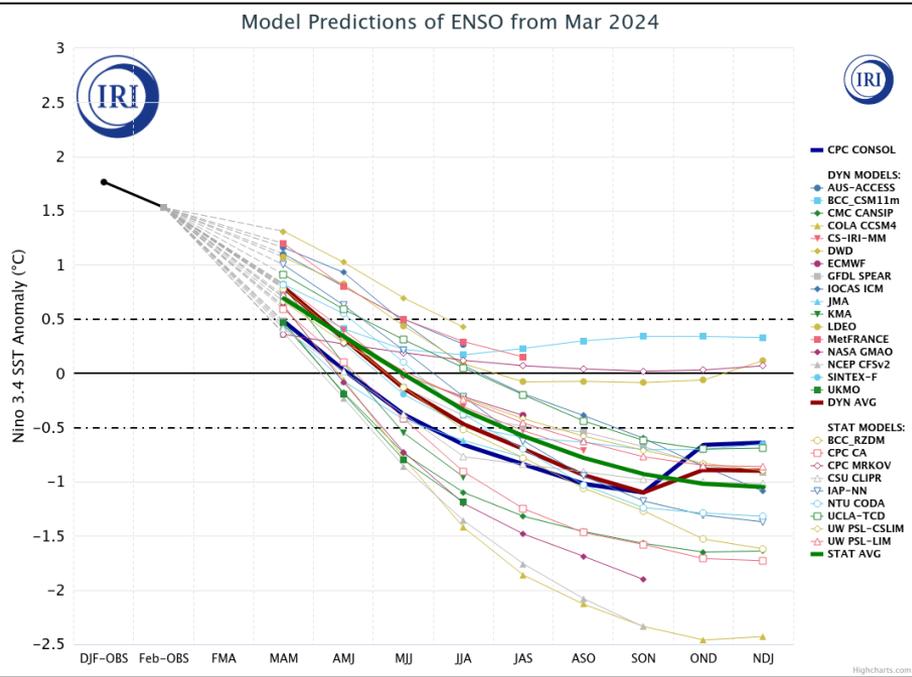


# Status Atual: **El Niño/ La Niña Watch**

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 30 Mar 2024



# Previsão do “ENSO”

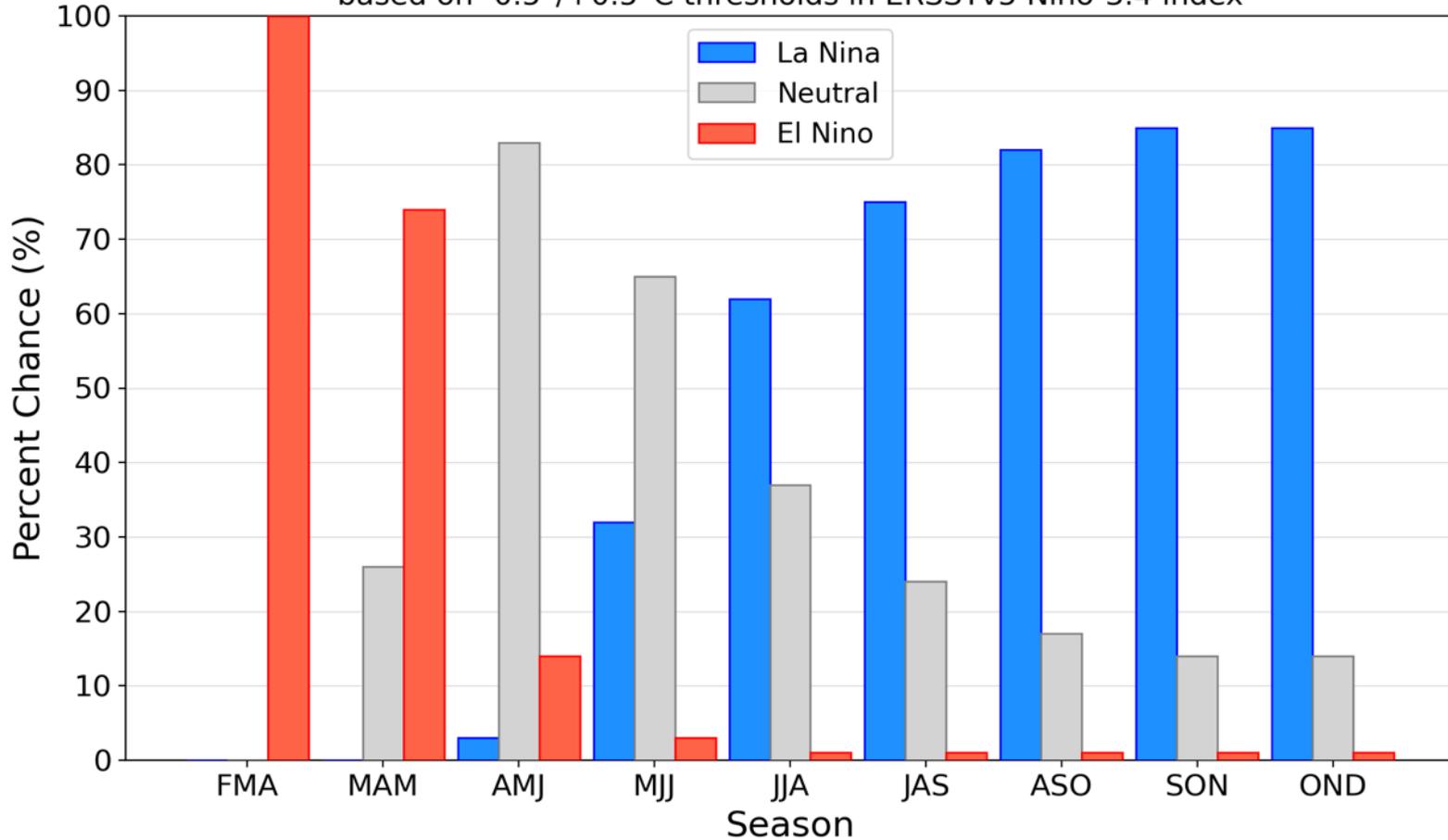


Atualizado 01 de Abril

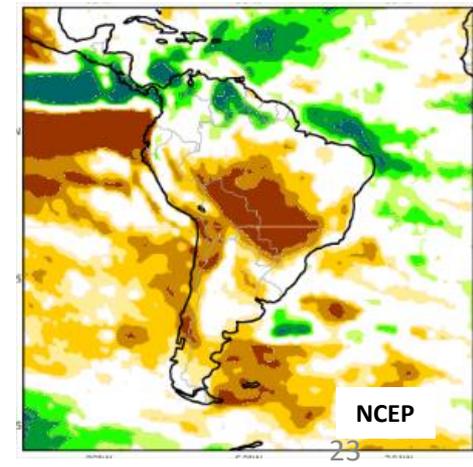
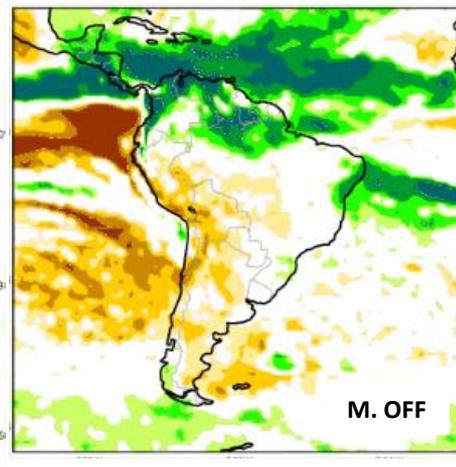
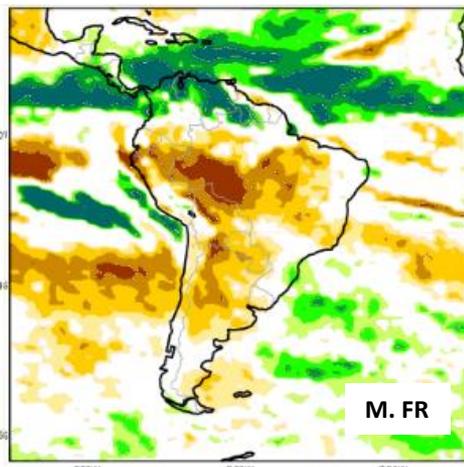
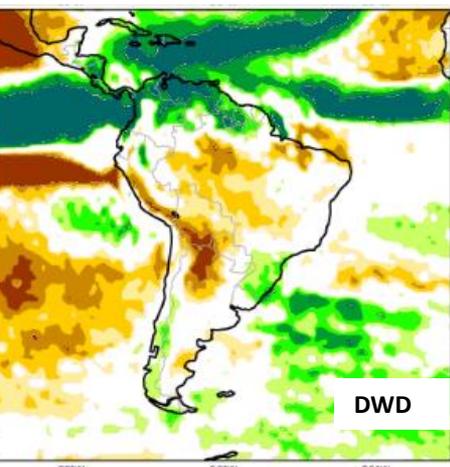
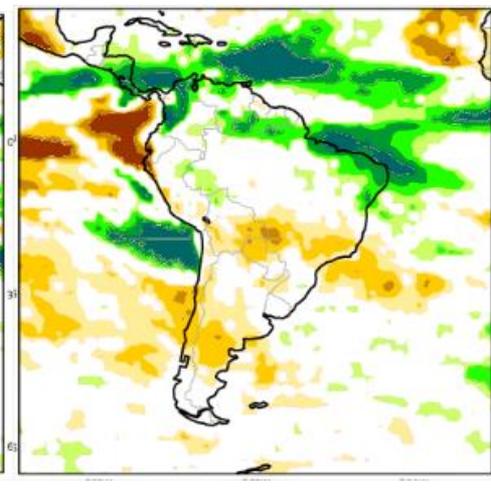
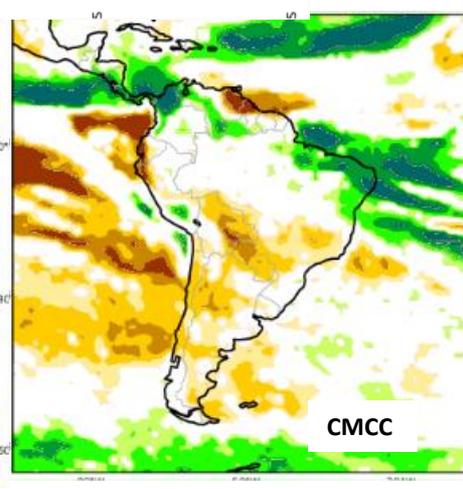
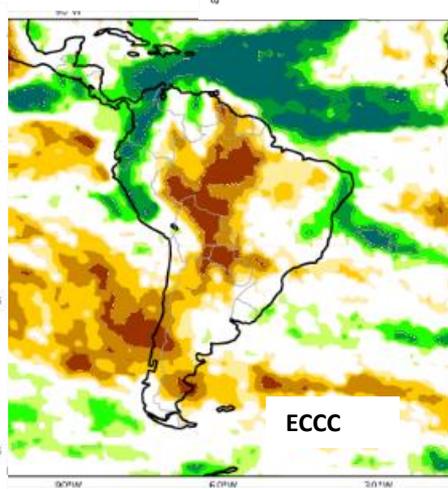
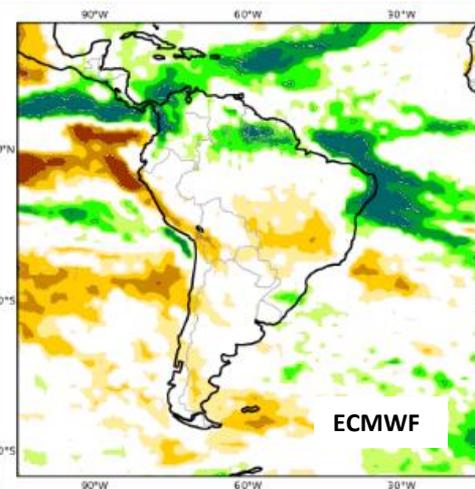
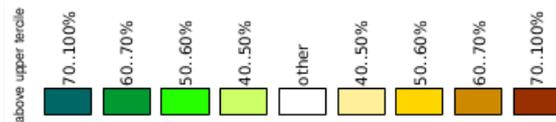
# Previsão do “ENSO”

## Official NOAA CPC ENSO Probabilities (issued Mar. 2024)

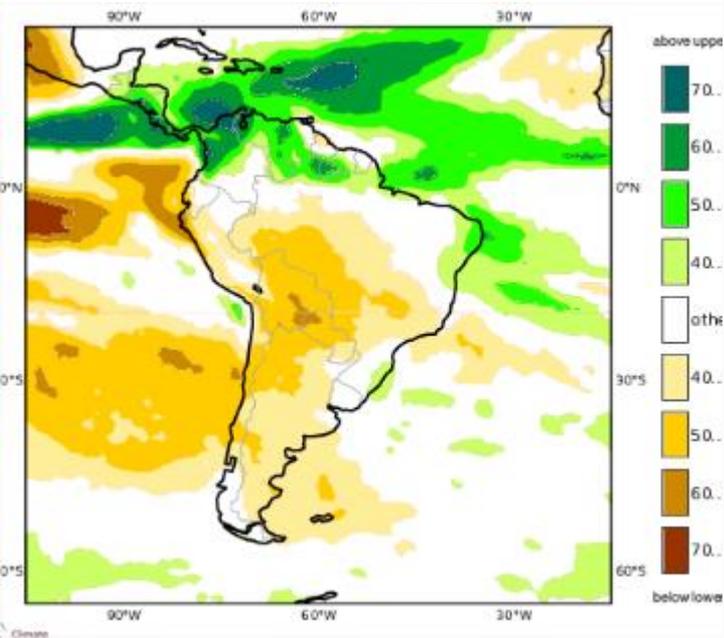
based on  $-0.5^{\circ}/+0.5^{\circ}\text{C}$  thresholds in ERSSTv5 Niño-3.4 index



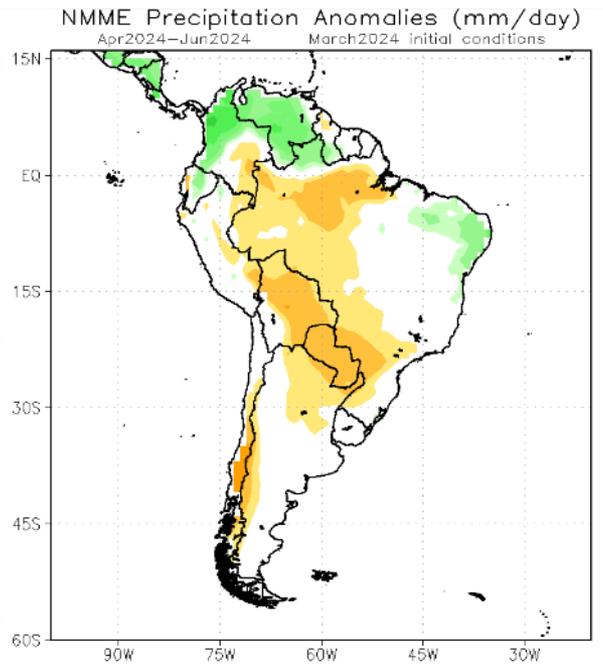
# Previsão Sazonal de Chuva AMJ



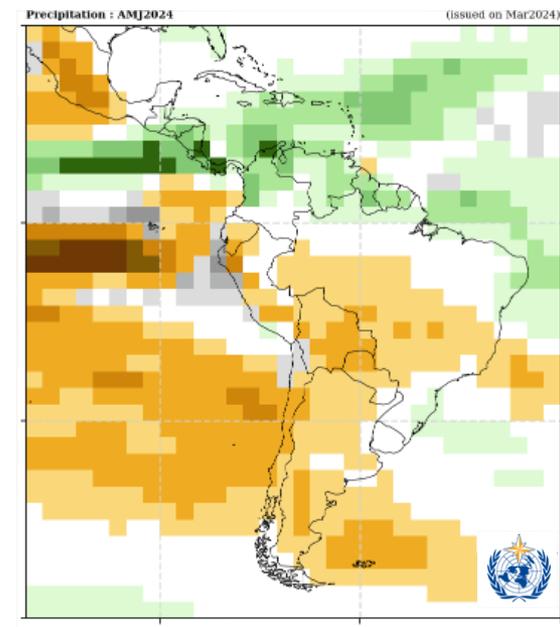
# Previsão Sazonal de Chuva Multi-Modelo para AMJ



Modelos Europeus



Modelos Americanos



Modelos da Organização Meteorológica Mundial