

Monitoramento e Previsões para a Bacia do rio Tocantins

JANEIRO 2024

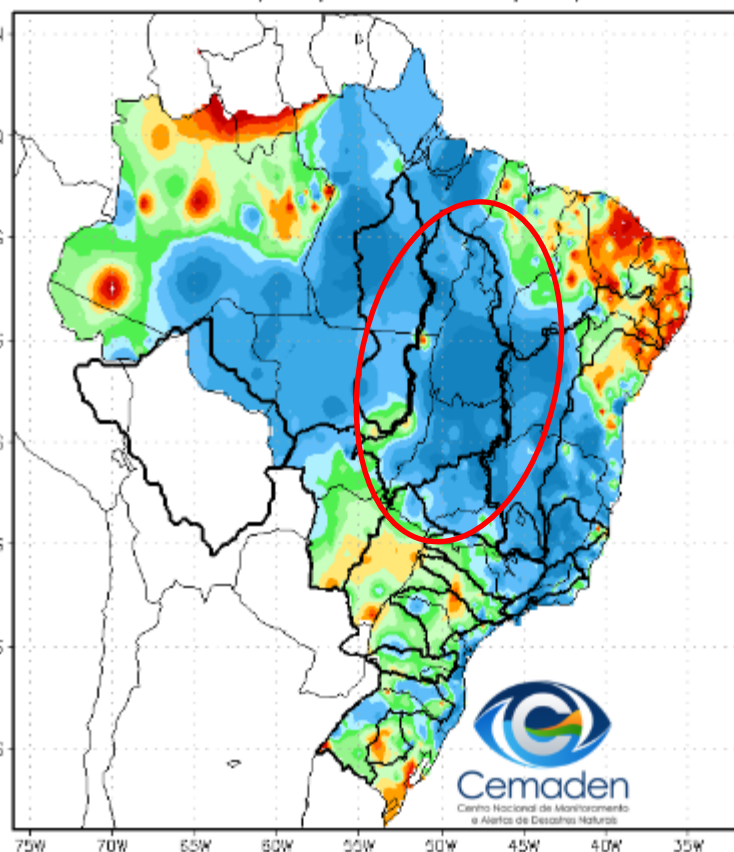


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

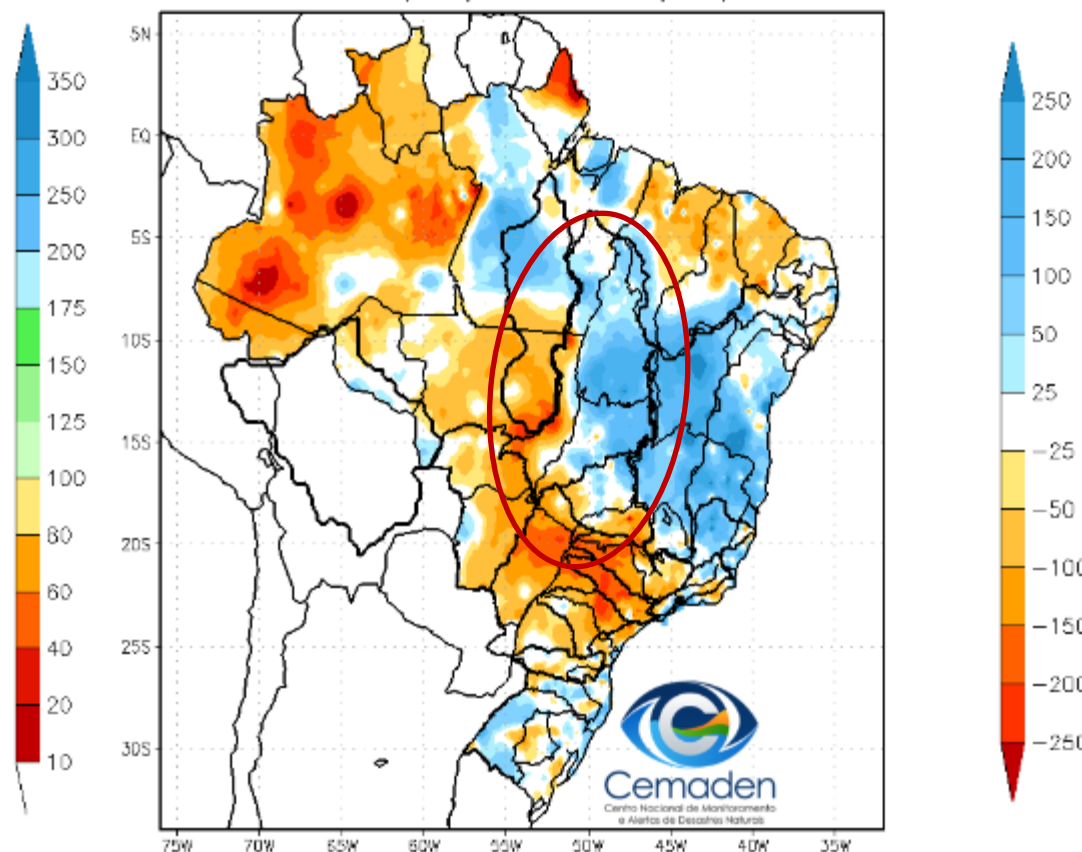


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 31/12/2023 a 30/01/2024

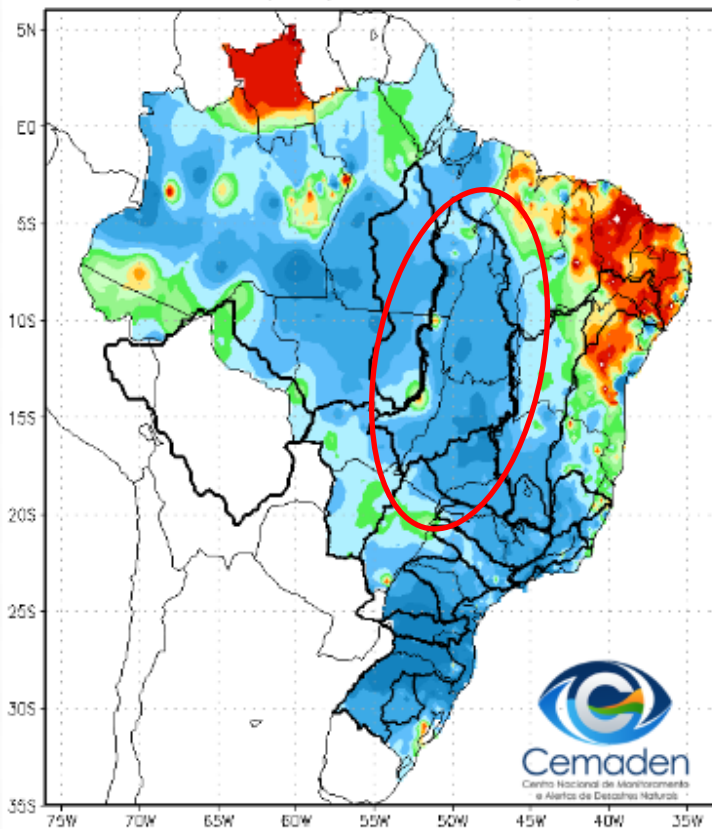


Anomalia de Precipitação (mm) A.S.
Período: 31/12/2023 a 30/01/2024

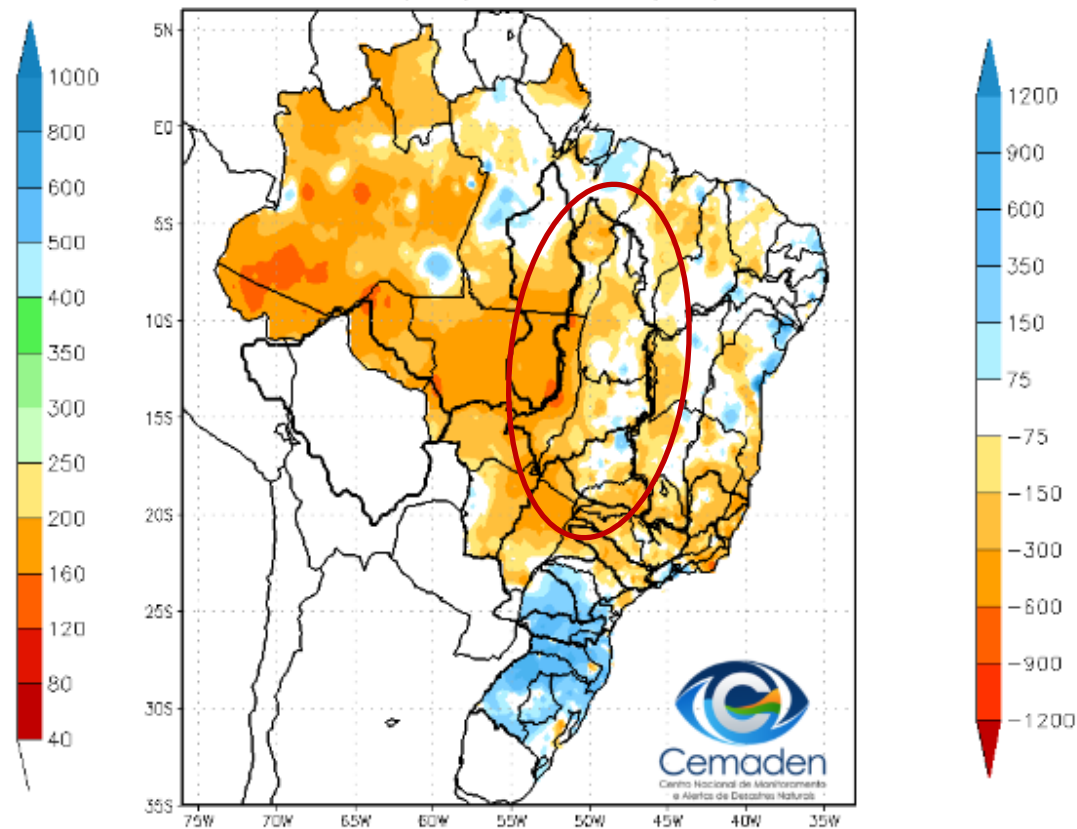


Precipitação acumulada no Ano Hidrológico

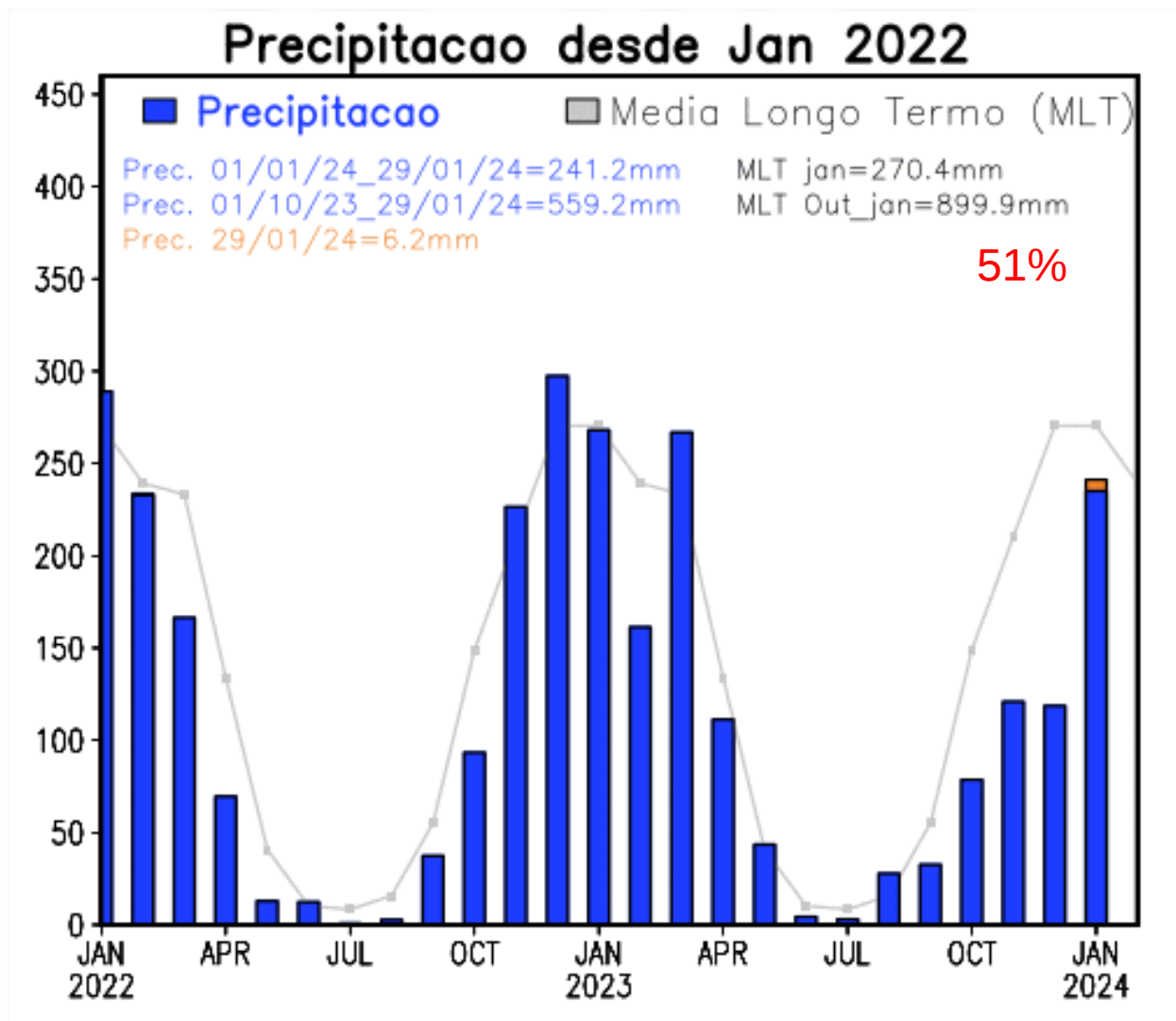
Precipitação Acumulada (mm) A.S.
Período: 01/10/2023 a 30/01/2024



Anomalia de Precipitação (mm) A.S.
Período: 01/10/2023 a 30/01/2024

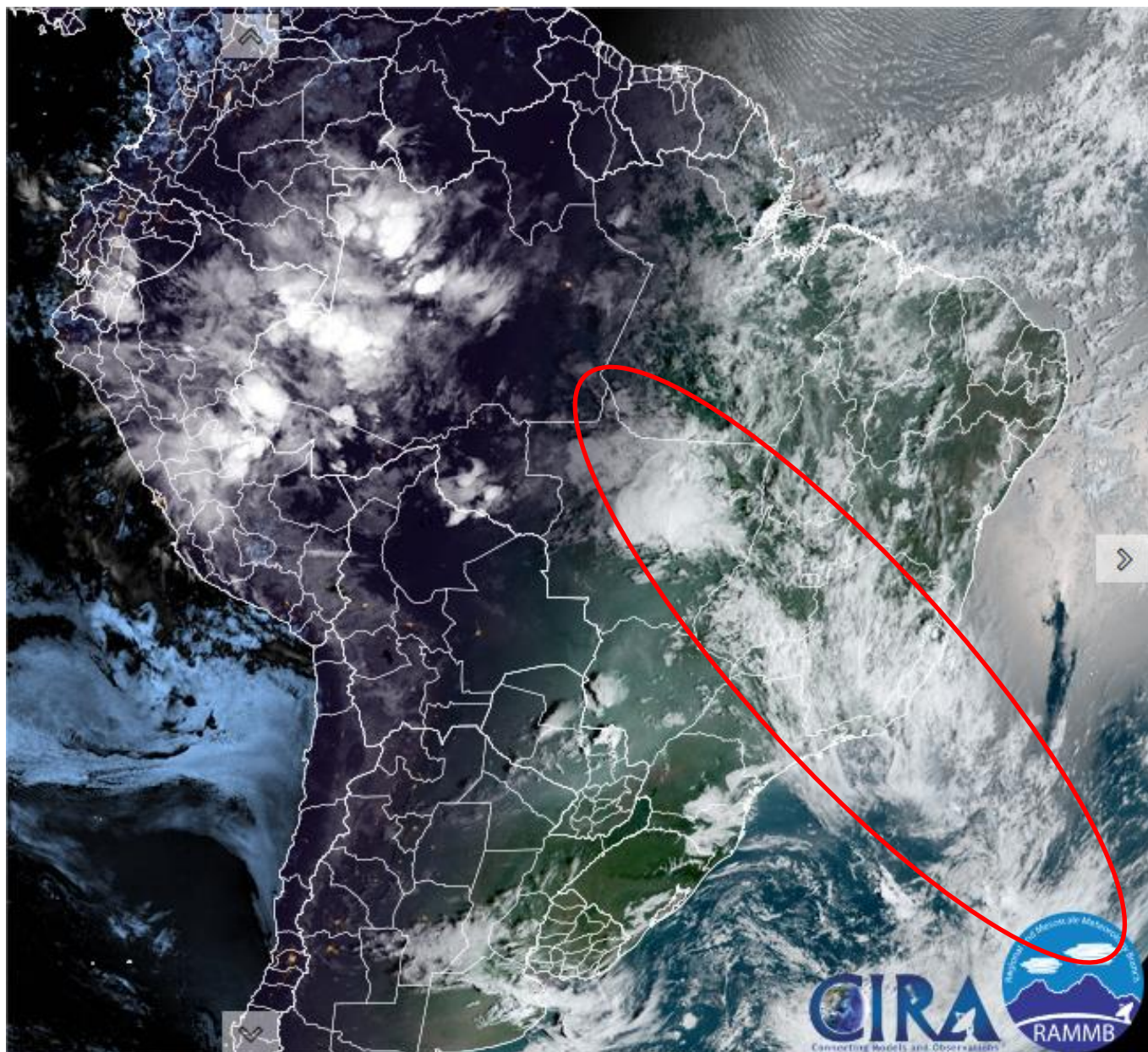


Evolução da Precipitação



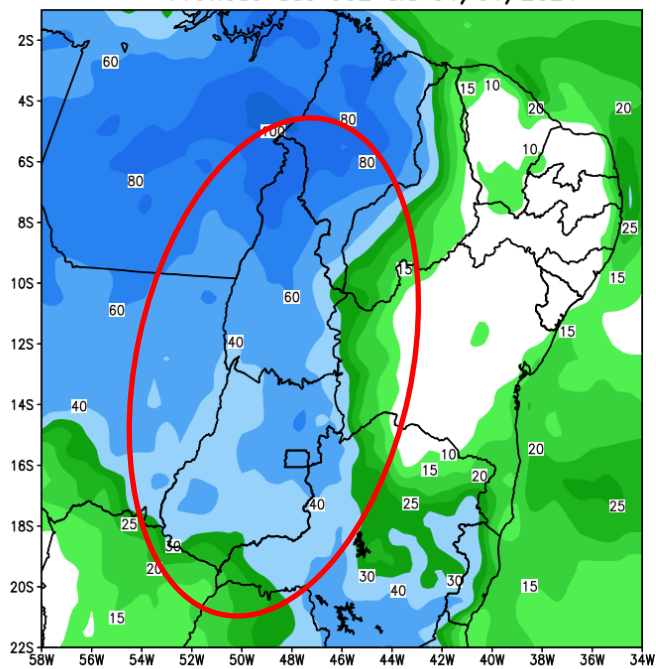
FONTE:
INPE

Situação meteorológica atual

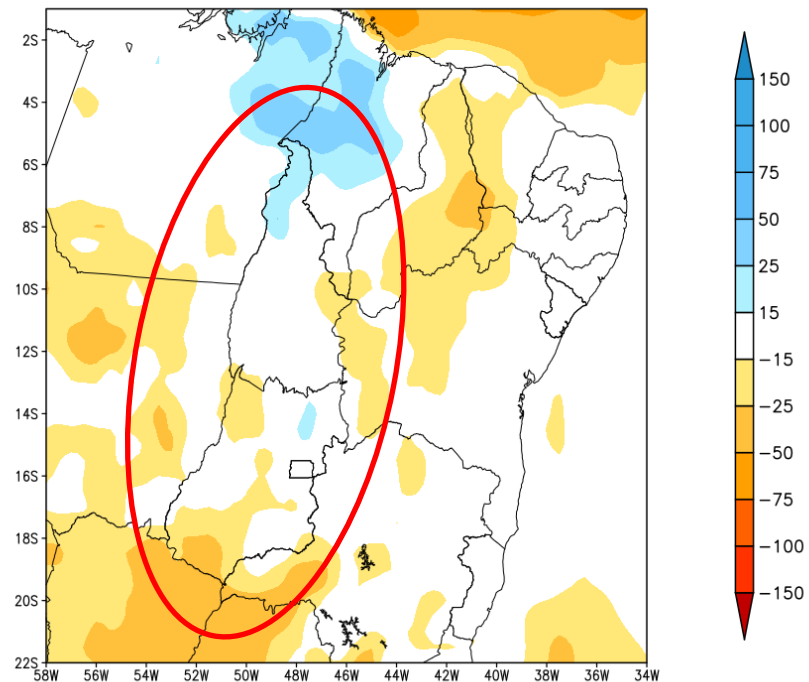


Previsão de chuva próximos 7 dias

GEFS / BRASIL_NE
Precipitação acumulada 1aSem (mm)
Previsão das 00Z dia 31/01/2024



Anomalia de Precipitação BR NE (mm)
Período: 2024013100 a 2024020700



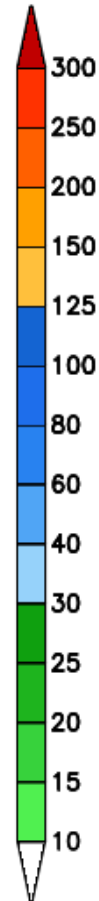
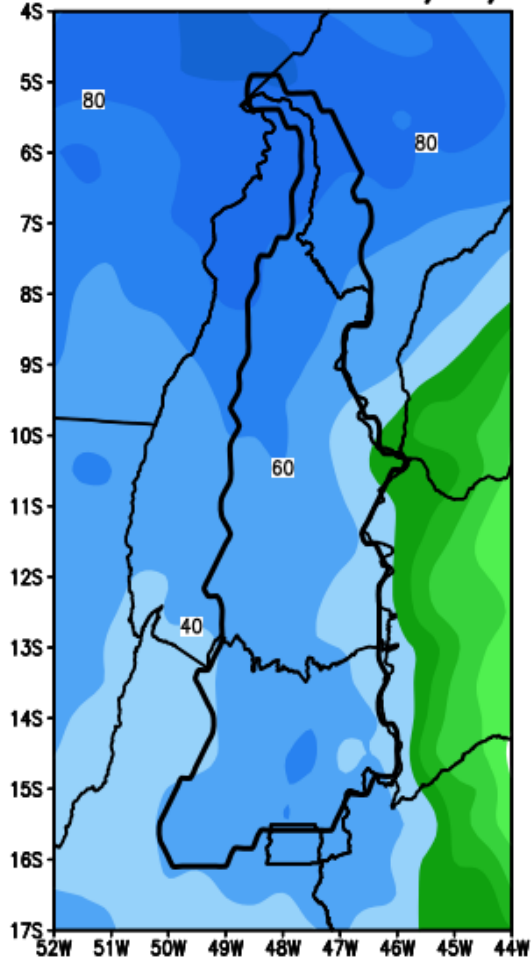
Fonte: GFS/NOAA

Previsão Bacia Rio Tocantins

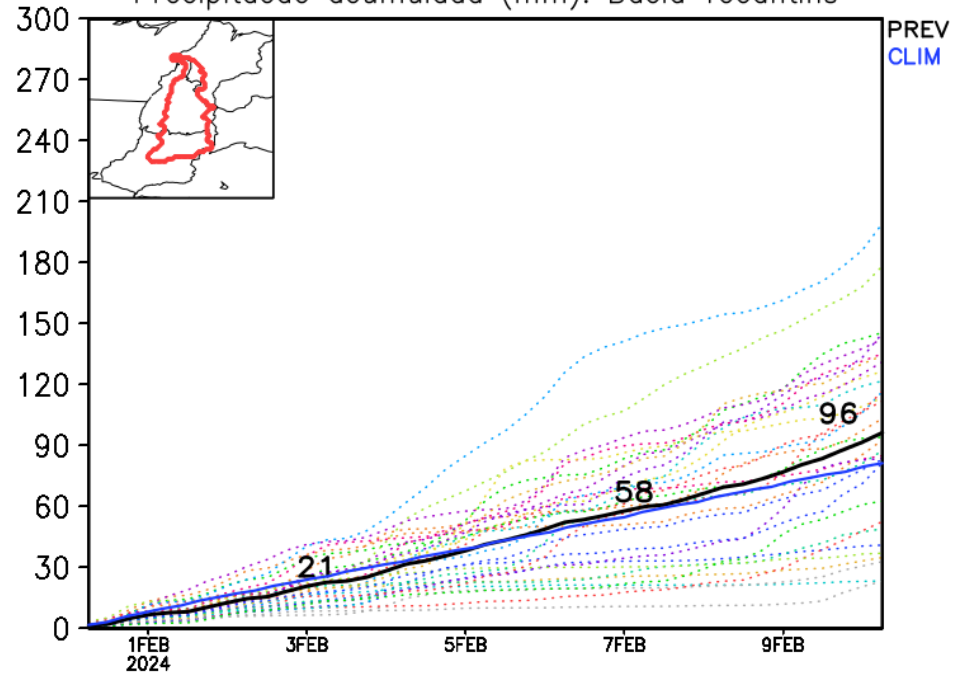
GEFS / Bacia Tocantins

Precipitacao acumulada em 7 dias (mm)

Previsao das 00Z dia 31/01/2024

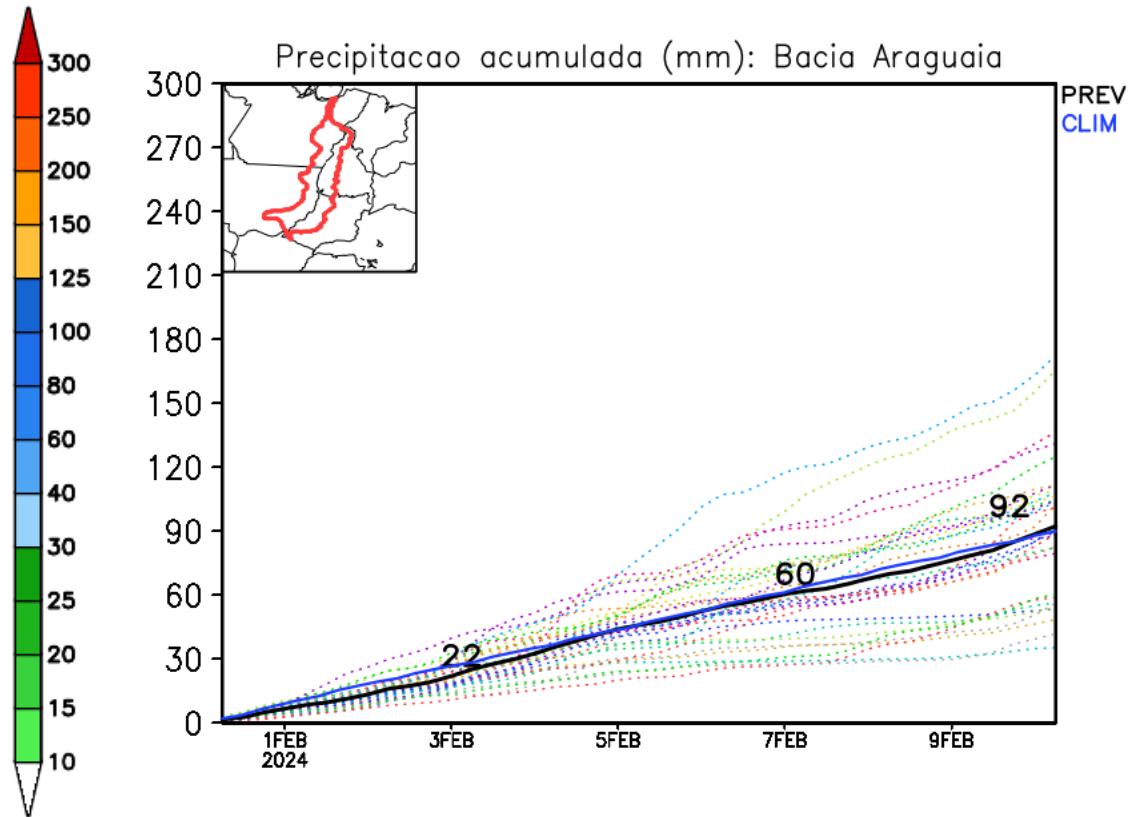
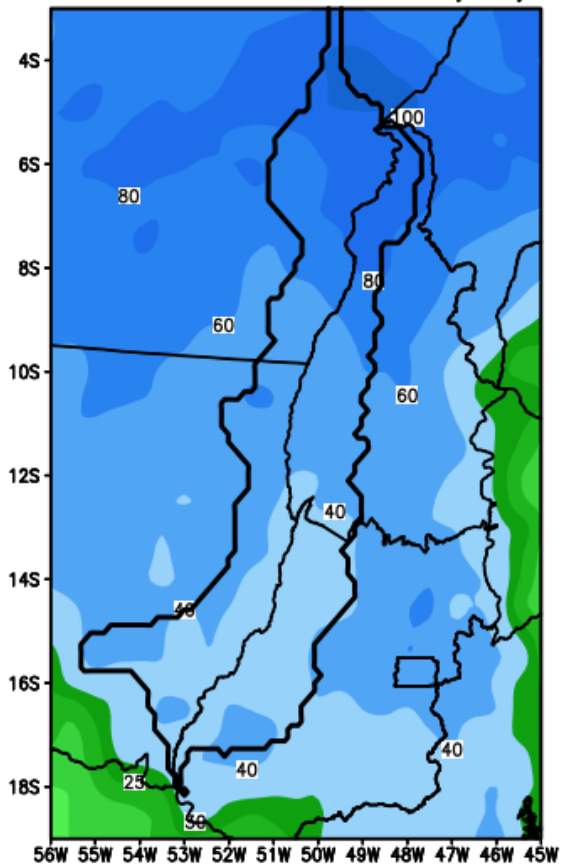


Precipitacao acumulada (mm): Bacia Tocantins



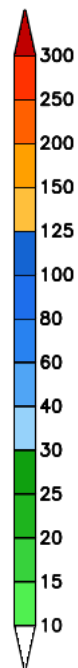
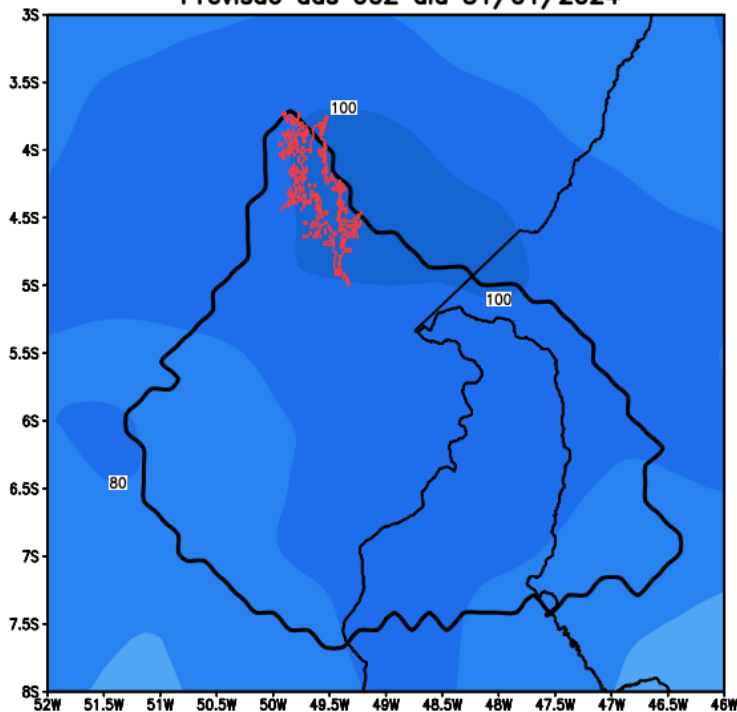
Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 31/01/2024

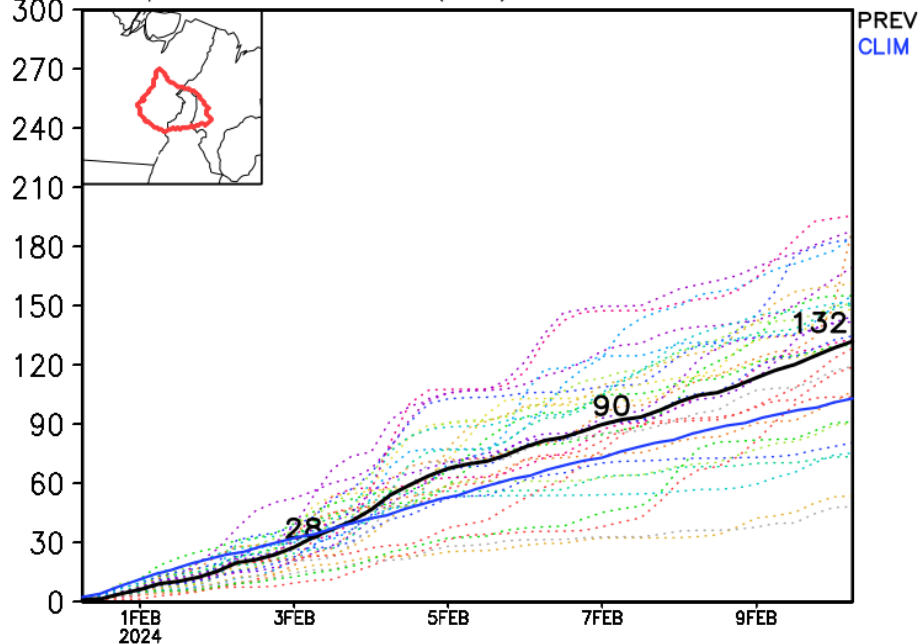


Previsão Bacia Tocantins (Baixo)

GEFS / Bacia Baixo Tocantins
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 31/01/2024

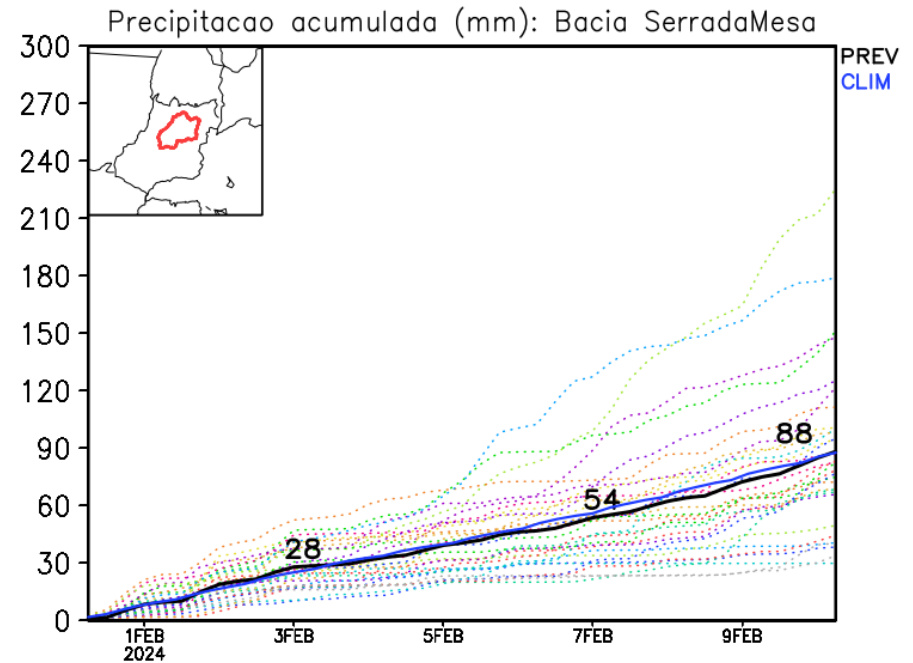
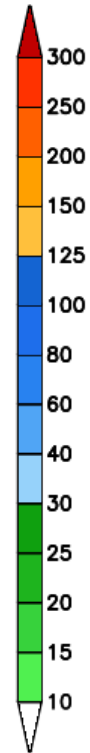
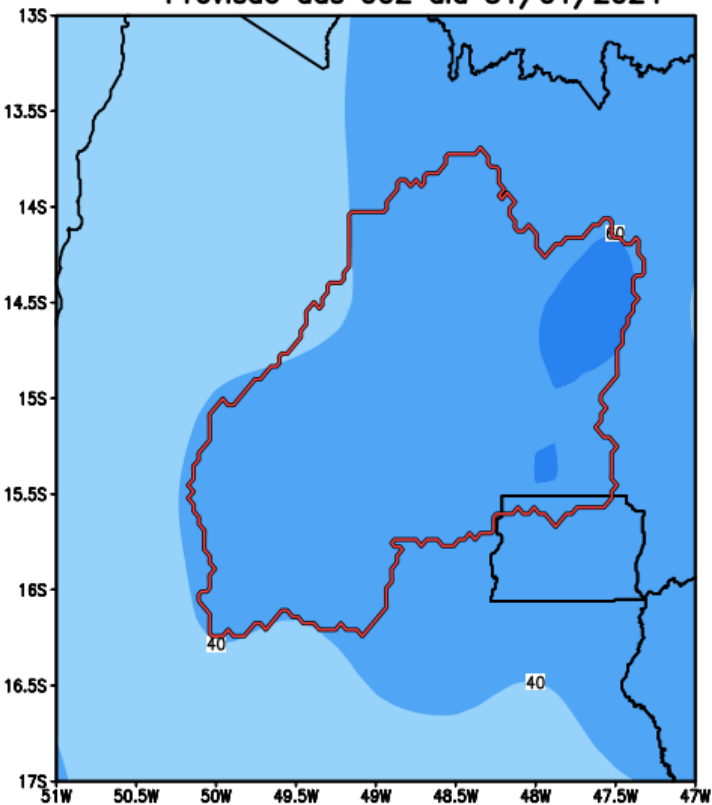


Precipitação acumulada (mm): Bacia Tocantins–Baixo

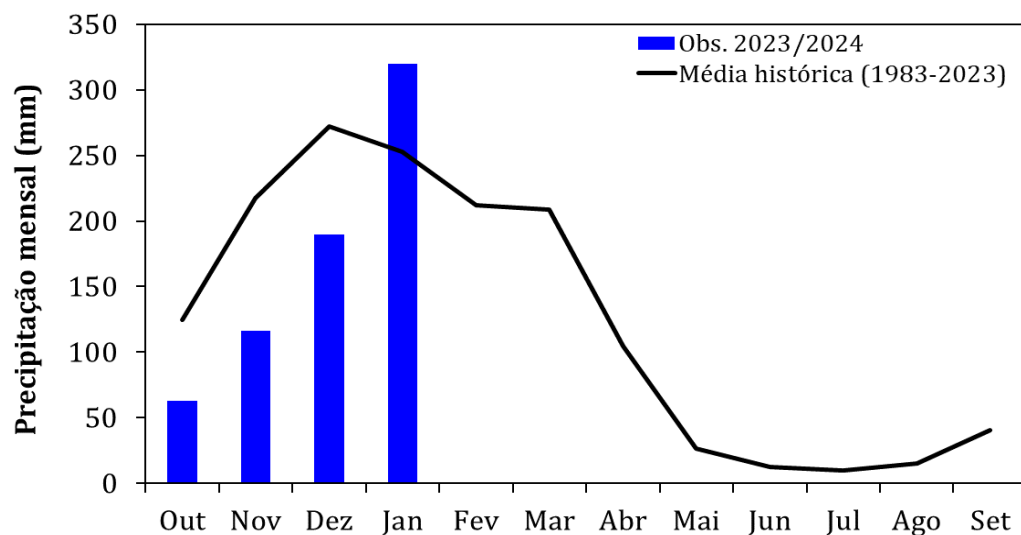


Previsão Bacia Serra da Mesa

GEFS / Bacia Serra da Mesa
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 31/01/2024



Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1392 mm

2022/2023: 1358 mm (**98% da MLT**)

2023/2024*: 689 mm (**87% da MLT PARCIAL**)

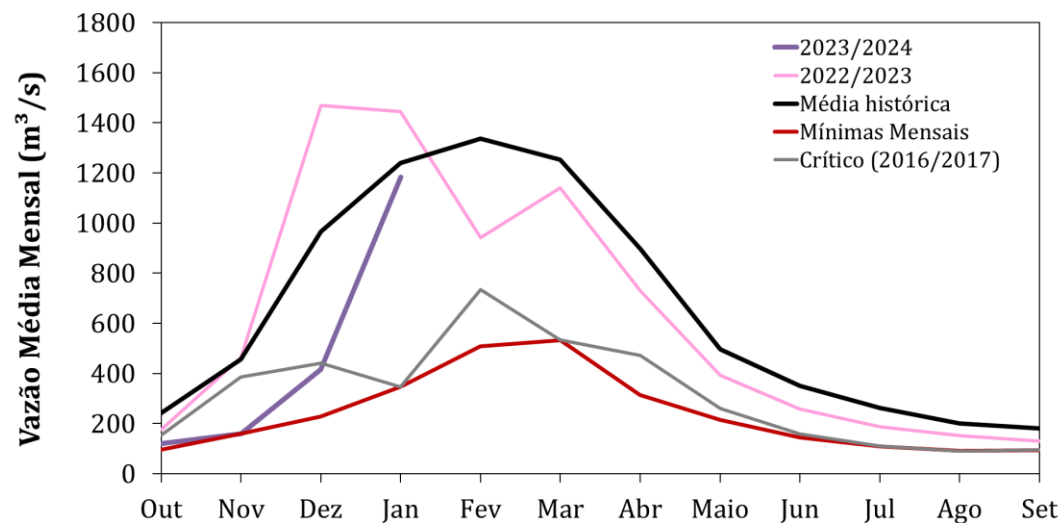
Estação Seca - Maio a Set – 105 mm

2022: 54 mm (**51% da MLT**)

2023: 57 mm (**54% da MLT**)

Janeiro/2024*: 320 mm (127% da MLT)

*Até 29/01/2024



Vazão

Estação Chuvosa - Out a Abr – 913 m^3/s

2022/2023: 909 m^3/s (**99% da MLT**)

2023/2024*: 470 m^3/s (**51% da MLT**)

Estação Seca - Maio a Set – 298 m^3/s

2022: 231 m^3/s (**78% da MLT**)

2023: 224 m^3/s (**75% da MLT**)

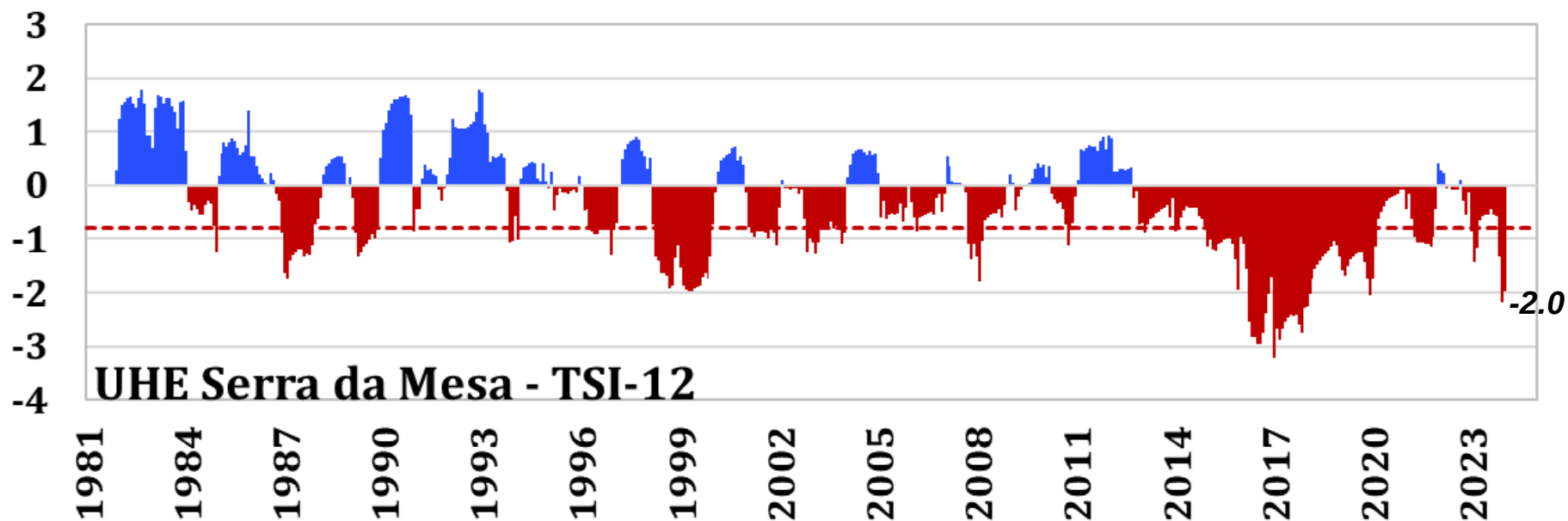
Janeiro/2024*: 1183 m^3/s (95% da MLT)

29/Jan/2024: 1116 m^3/s (90% da MLT)

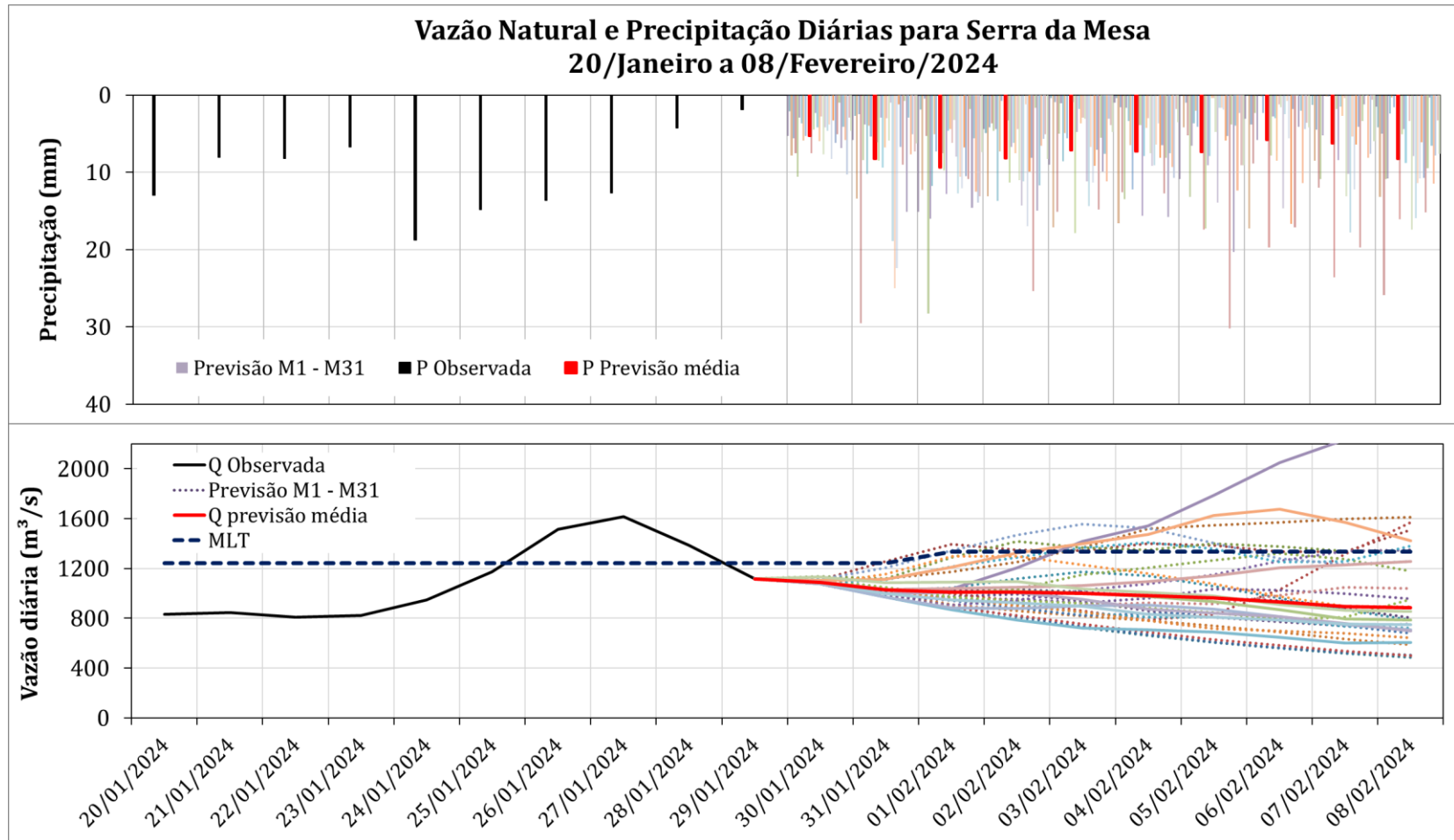
*Até 29/01/2024

Seca Hidrológica Extrema

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



Serra da Mesa: Previsão de Vazão (modelo hidrológico PDM-CEMADEN)



Dados observados de precipitação (barras pretas) para o período 20/01 a 29/01 e previsão para o período de 30/01 a 08/02/24.
Dados observados de vazão (linha preta) para o período 20/01 a 29/01 e previsão para o período de 30/01 a 08/02/24.

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

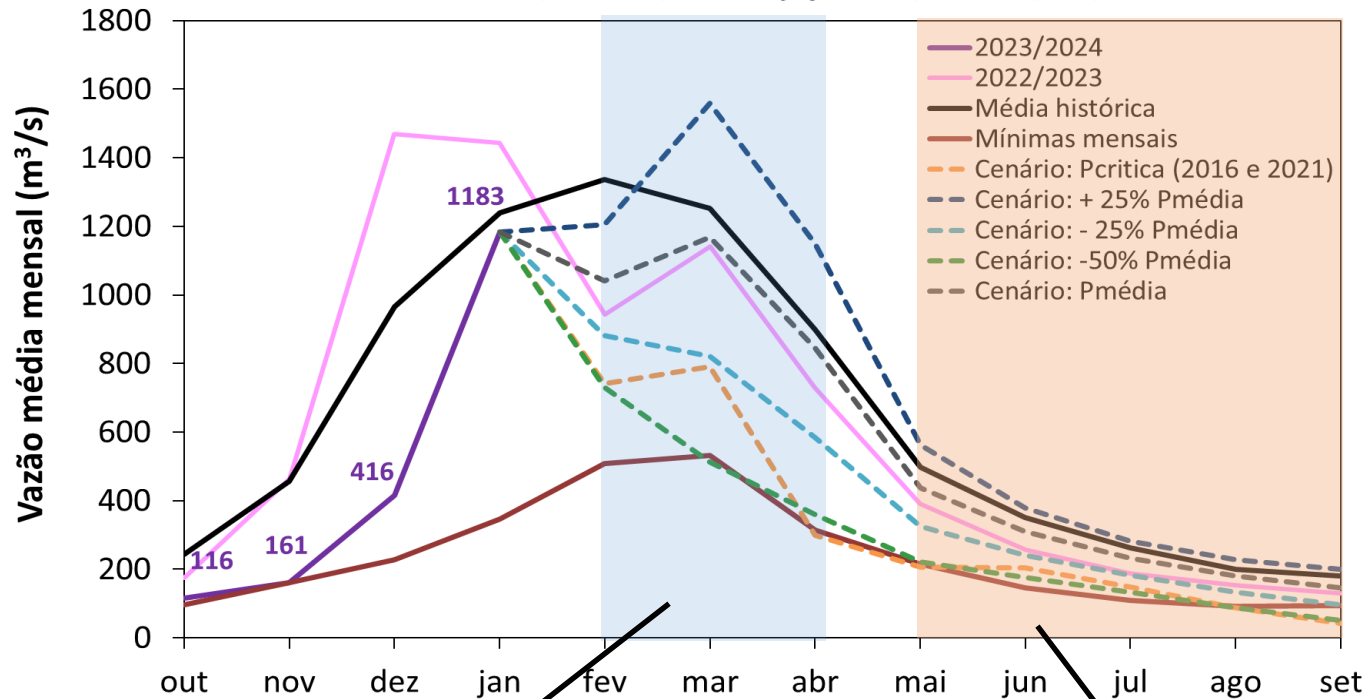
As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 980 m³/s

Valor inferior à MLT de Fevereiro (1337 m³/s)

Serra da Mesa: Projeção de Vazão (modelo hidrológico PDM-CEMADEN)

Previsão: 30/Jan a 08/Fev- Projeções: 09/Fev a 30/Set/24



Fev-Abr (Meses chuvosos)

MLT: 1162 m³/s

Vazão	% MLT
1304 m³/s	112%
1018 m³/s	88%
762 m³/s	66%
610 m³/s	53%

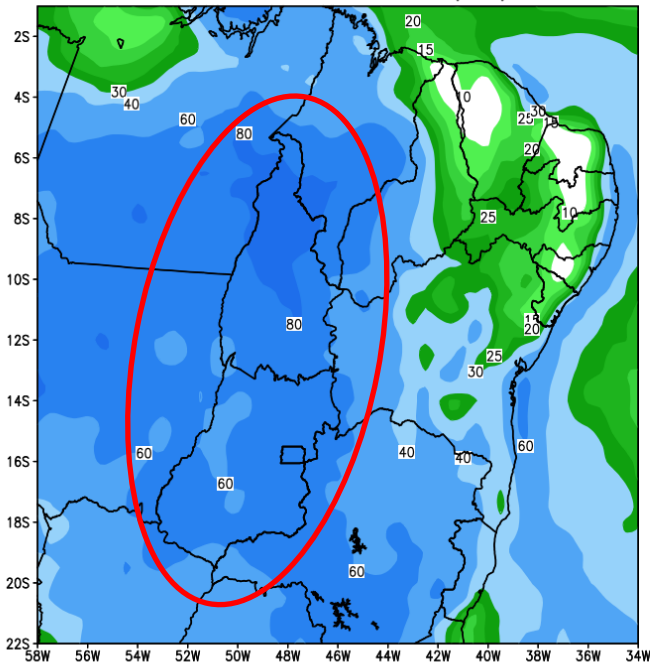
Maio-Set (Meses secos)

MLT: 298 m³/s

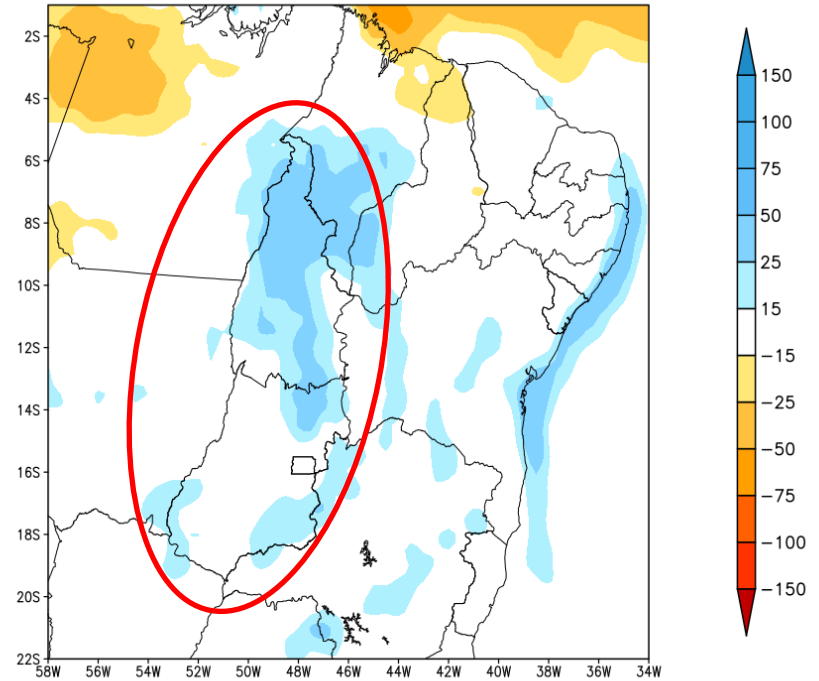
Vazão	% MLT
330 m³/s	111%
261 m³/s	87%
195 m³/s	66%
138 m³/s	46%

Tendência para a 2a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 31/01/2024

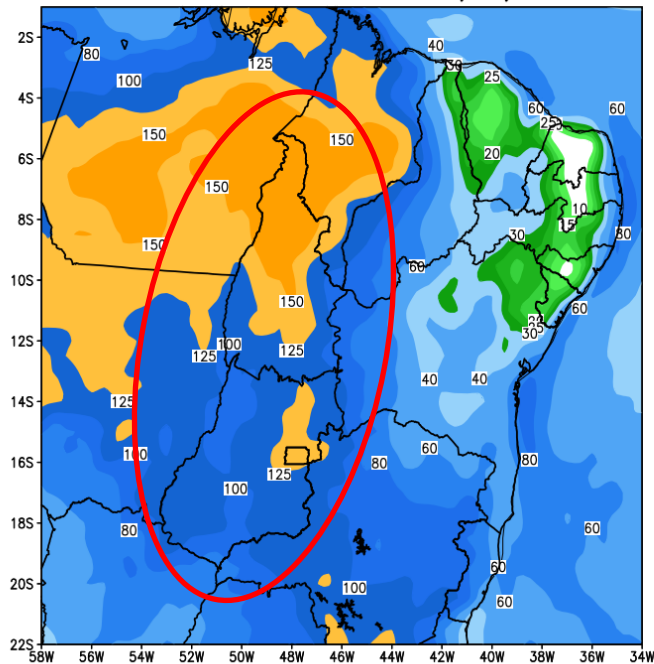


Anomalia de Precipitacao BR NE (mm)
Periodo: 2024020800 a 2024021400

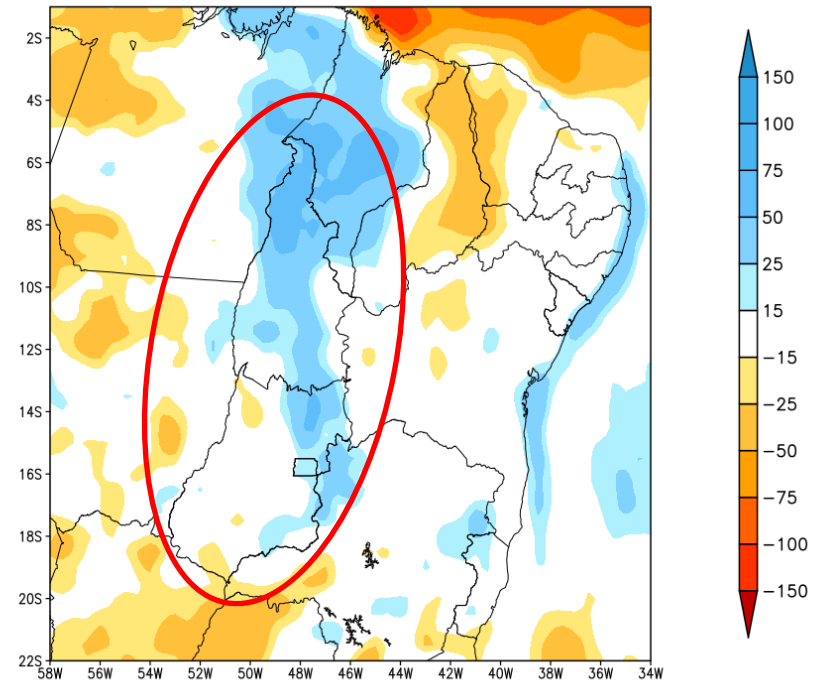


Tendência para as próximas duas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 31/01/2024

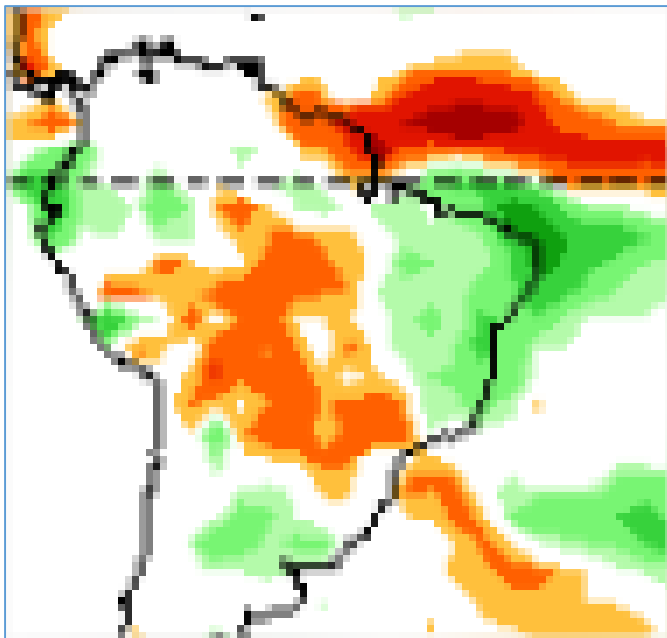


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2024013100 a 2024021400

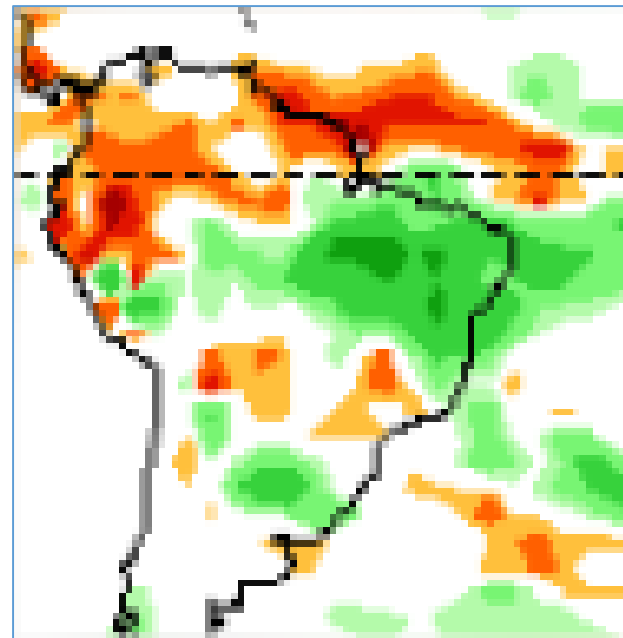


Tendência 3a e 4a semanas

13-19/02

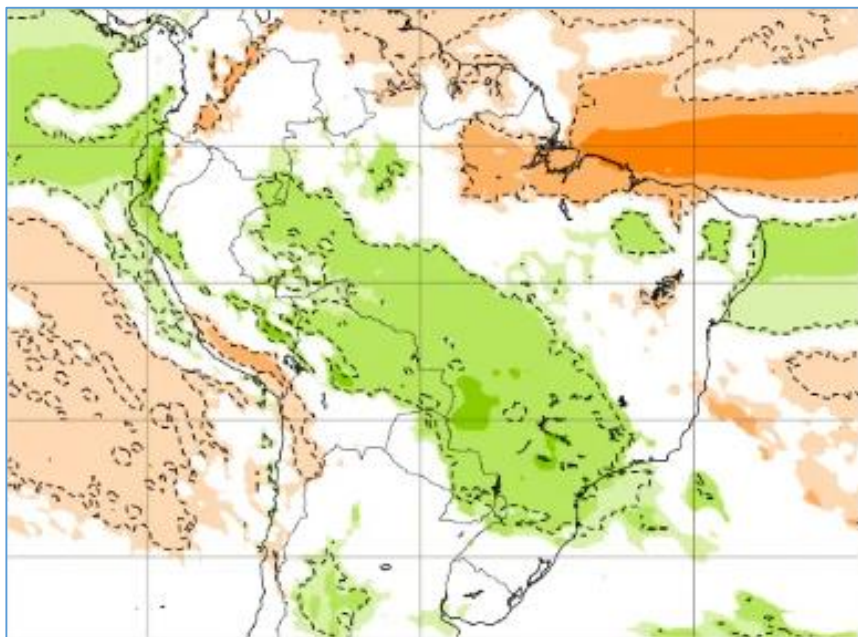


20-26/02

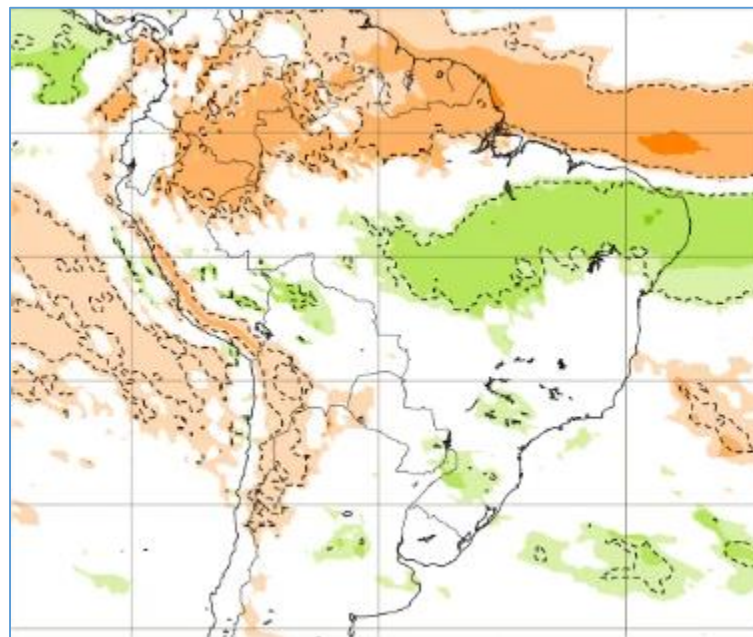


Tendência para 3ª e 4ª semanas

12-19/02

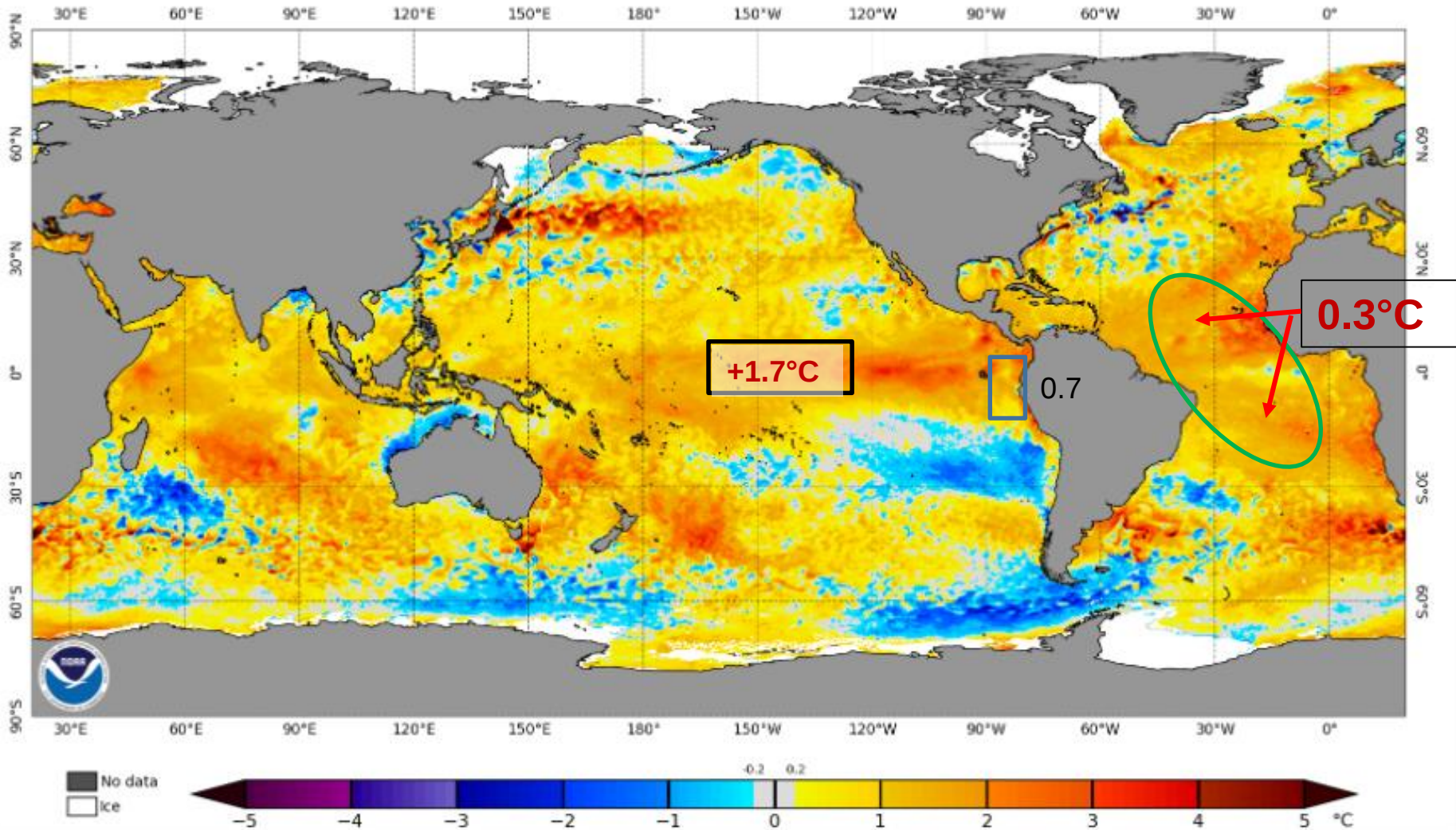


19-26/02



Status Atual: El Niño

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 28 Jan 2024



Previsão do “ENSO”

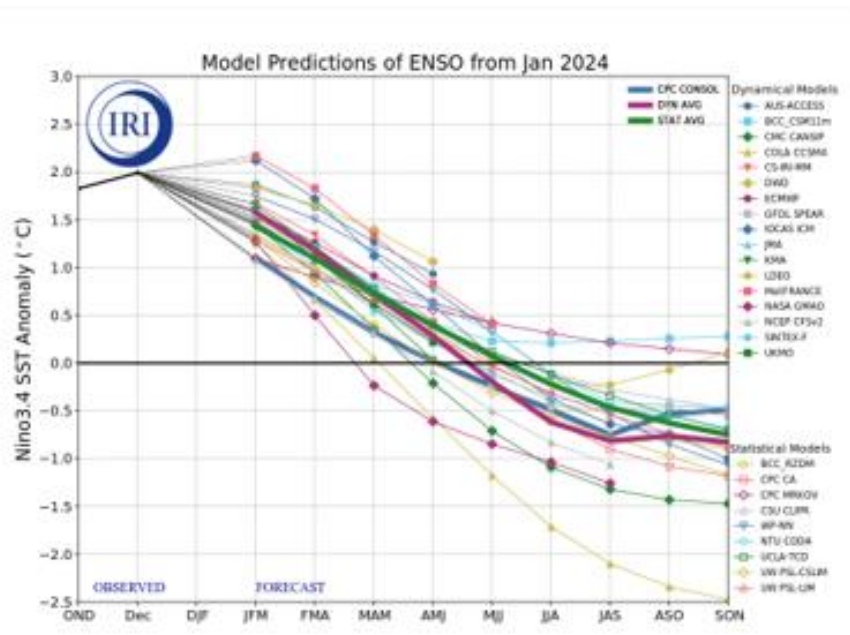
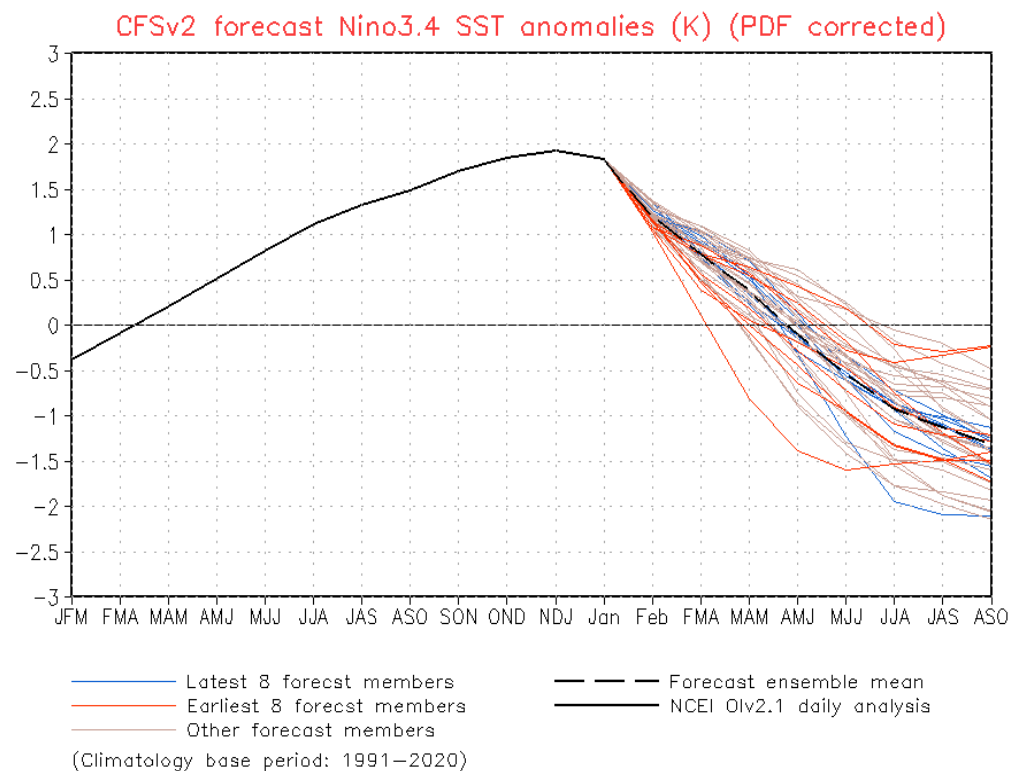
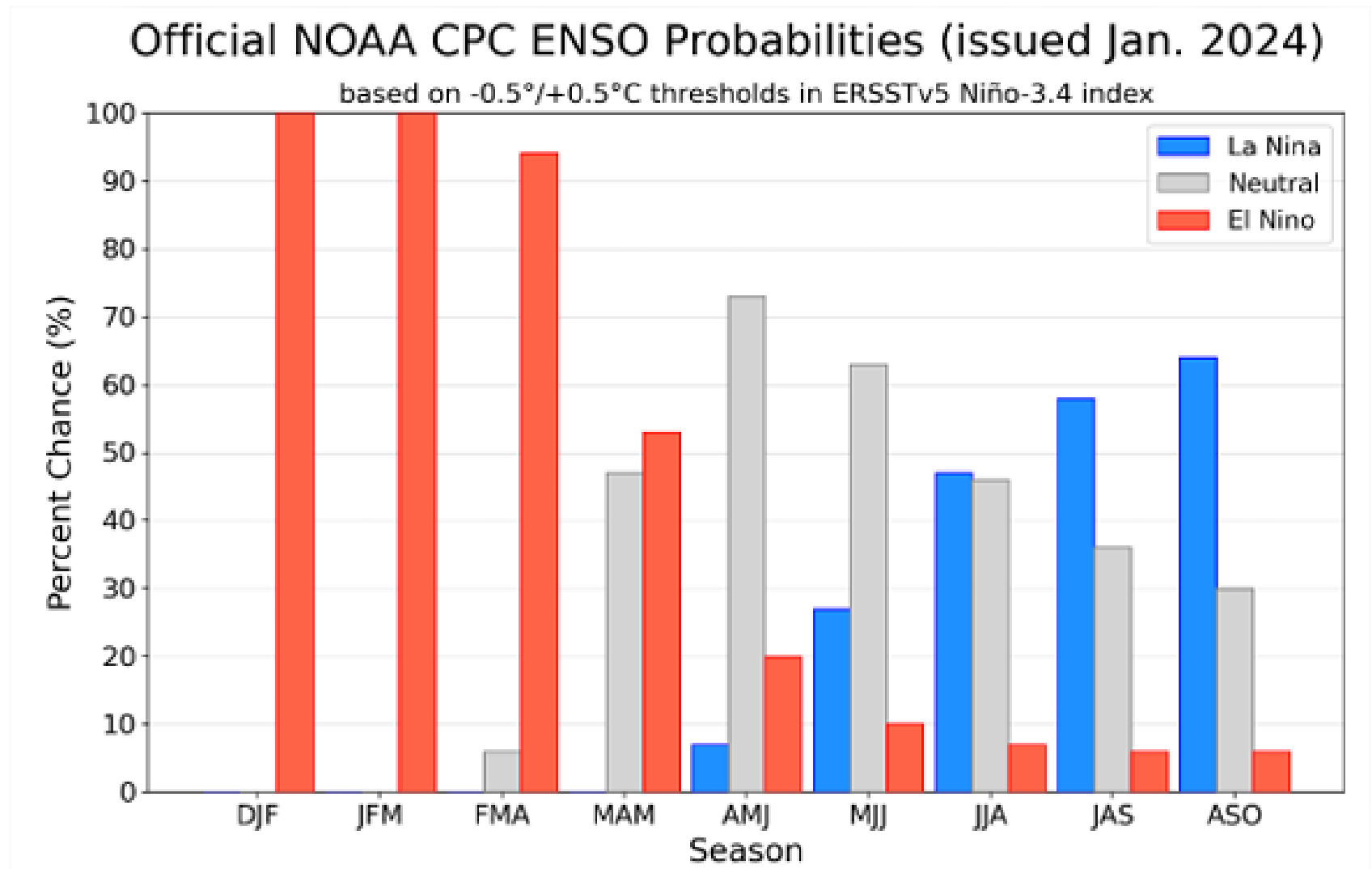


Figure provided by the International Research Institute (IRI) for Climate and Society (updated 19 January 2024).

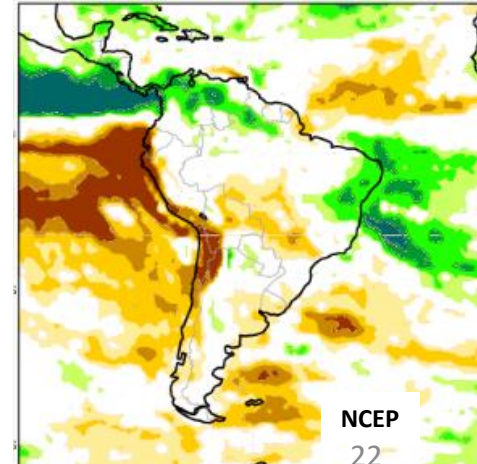
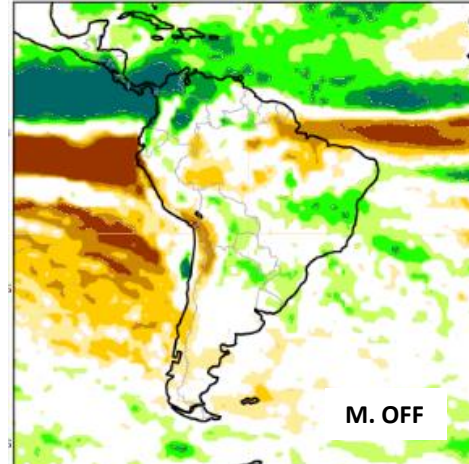
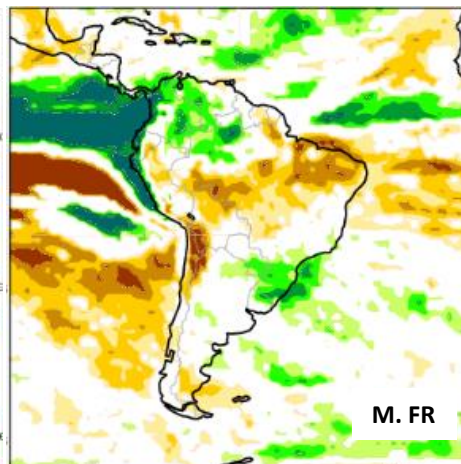
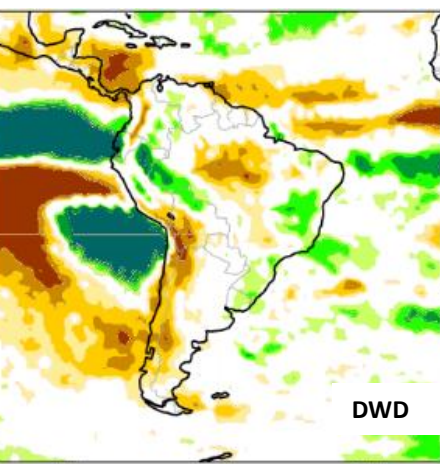
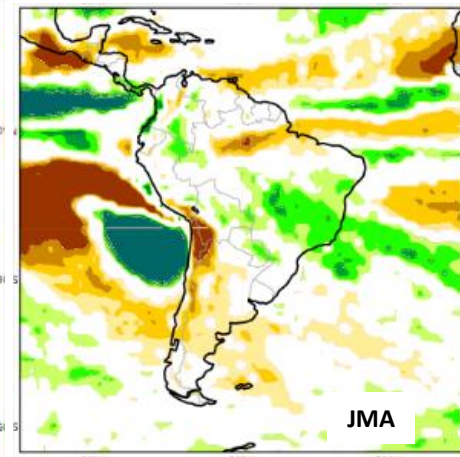
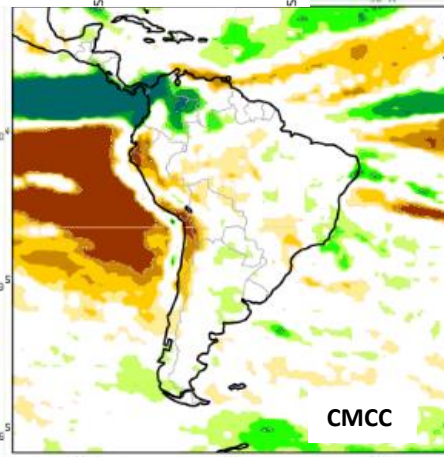
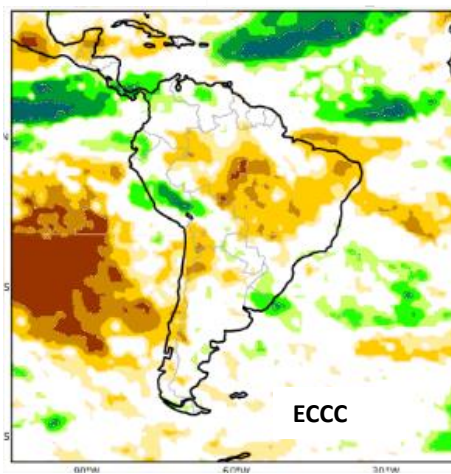
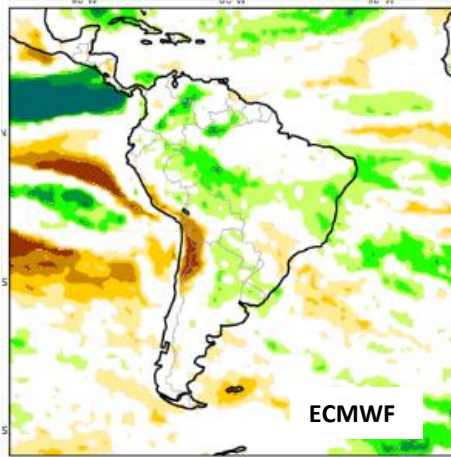


Atualizado 29 de janeiro

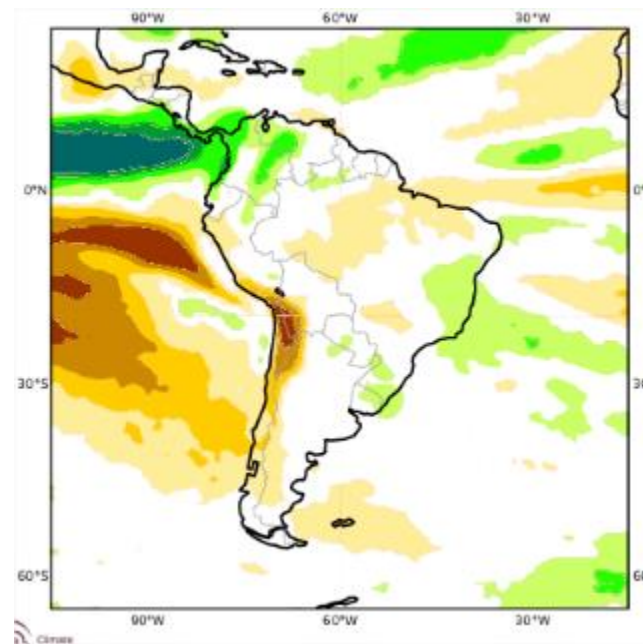
Previsão do “ENSO”



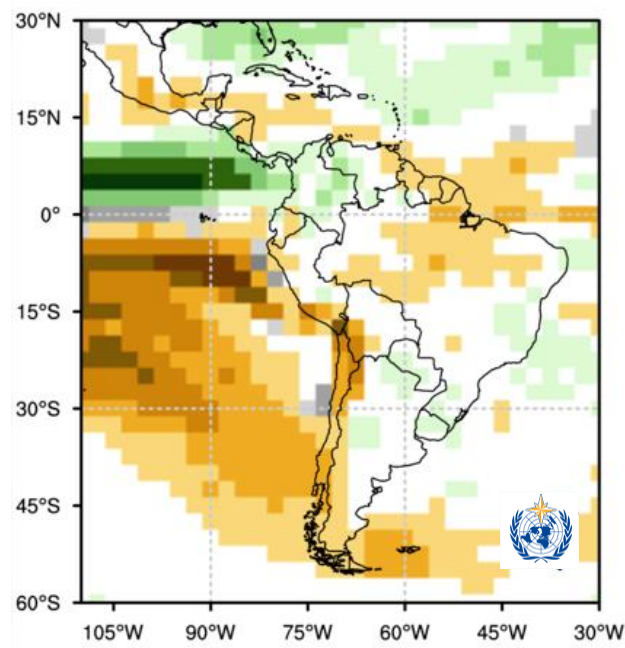
Previsão Sazonal de Chuva FMA



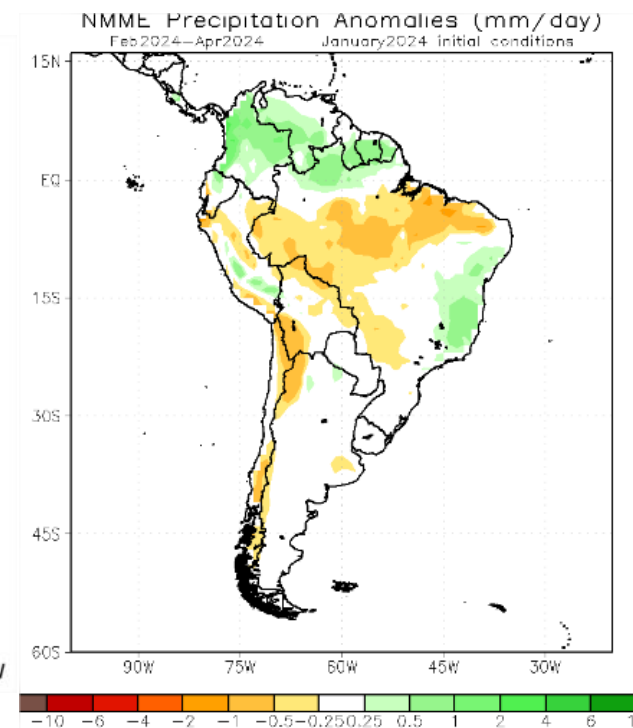
Previsão Sazonal de Chuva Multi-Modelo para FMA



Modelos Europeus



Modelos da Organização
Meteorológica Mundial



Modelos Americanos