

Monitoramento da situação da seca na Região Nordeste

ABRIL 2024

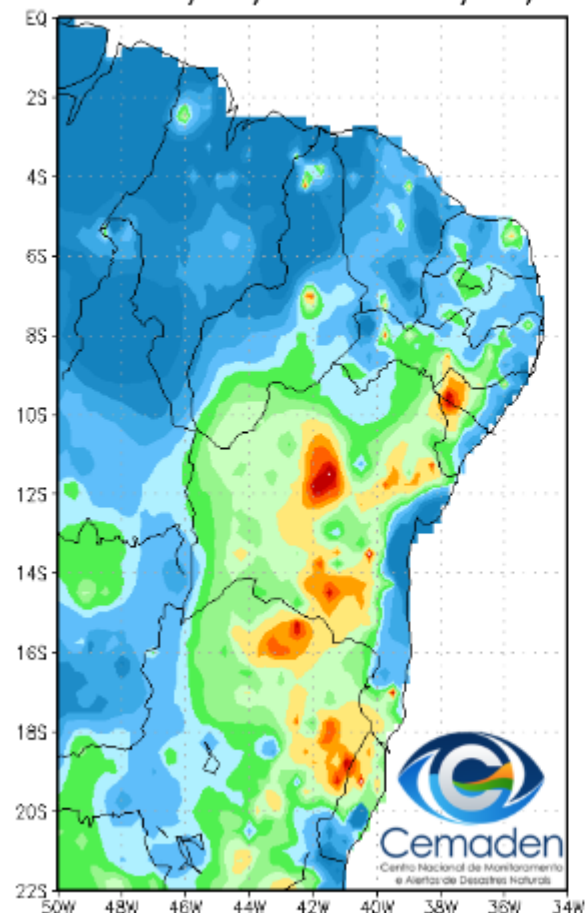


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

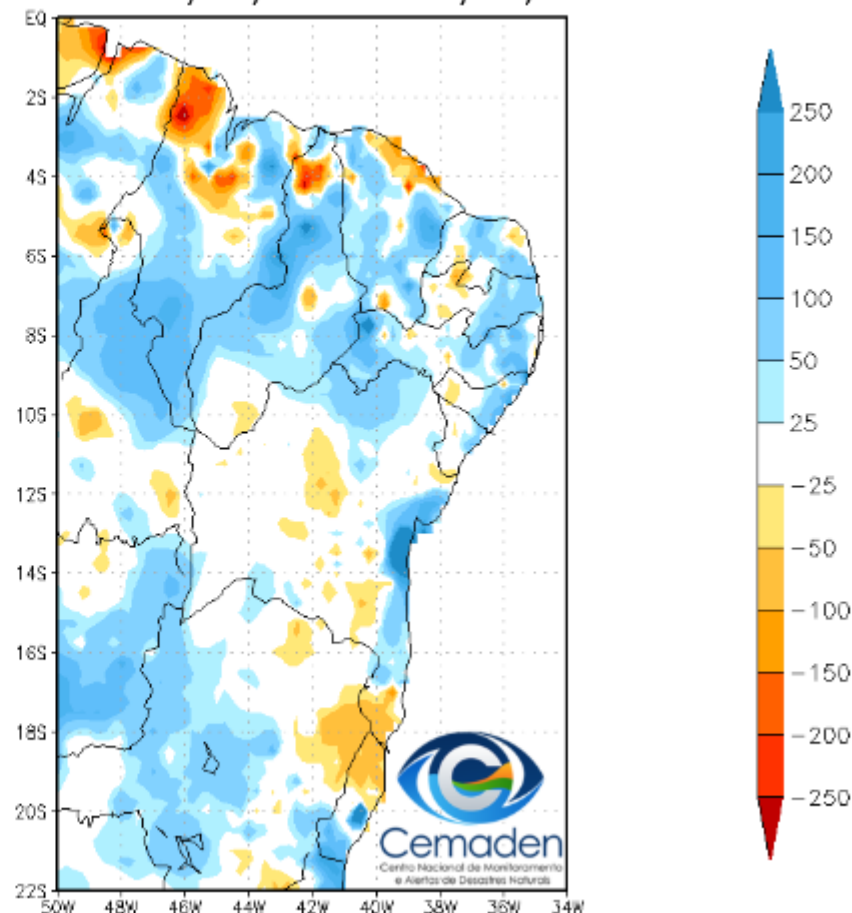


Precipitação últimos 30 dias

Precipitação Acumulada (mm)
Período: 23/03/2024 a 22/04/2024

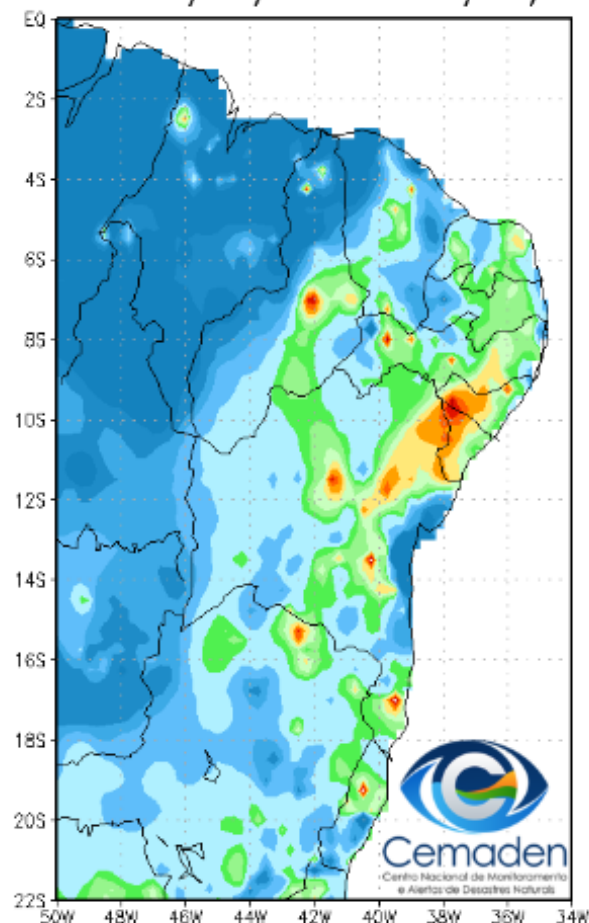


Anomalia de Precipitação (mm)
Período: 23/03/2024 a 22/04/2024

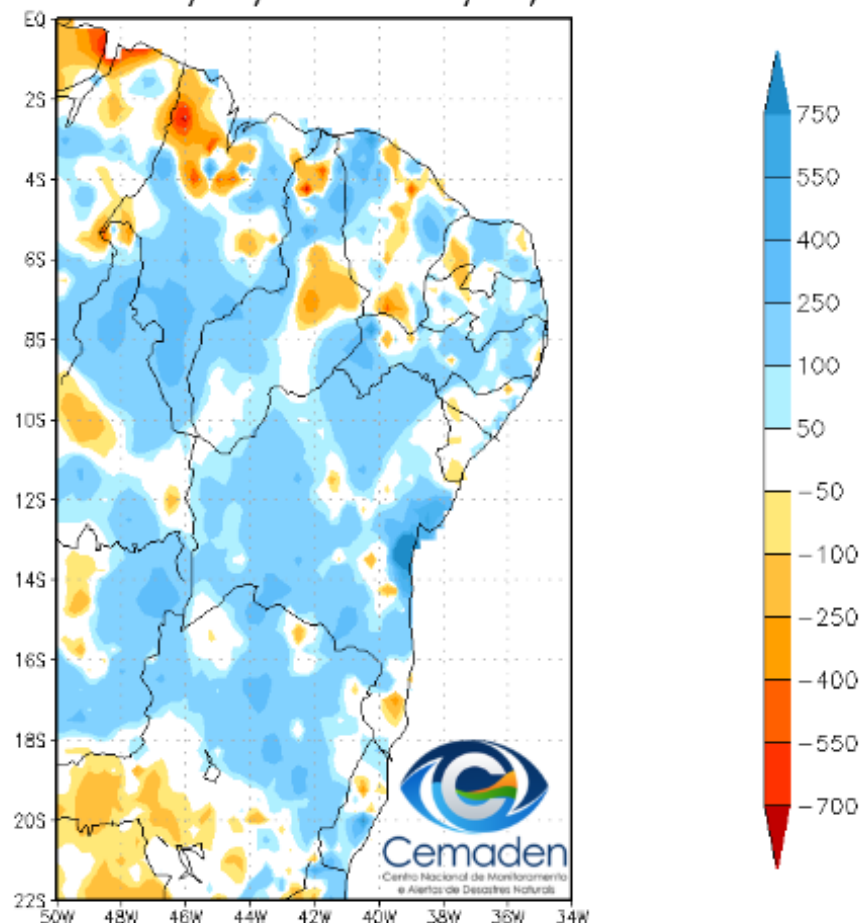


Precipitação últimos 90 dias

Precipitação Acumulada (mm)
Período: 23/01/2024 a 22/04/2024

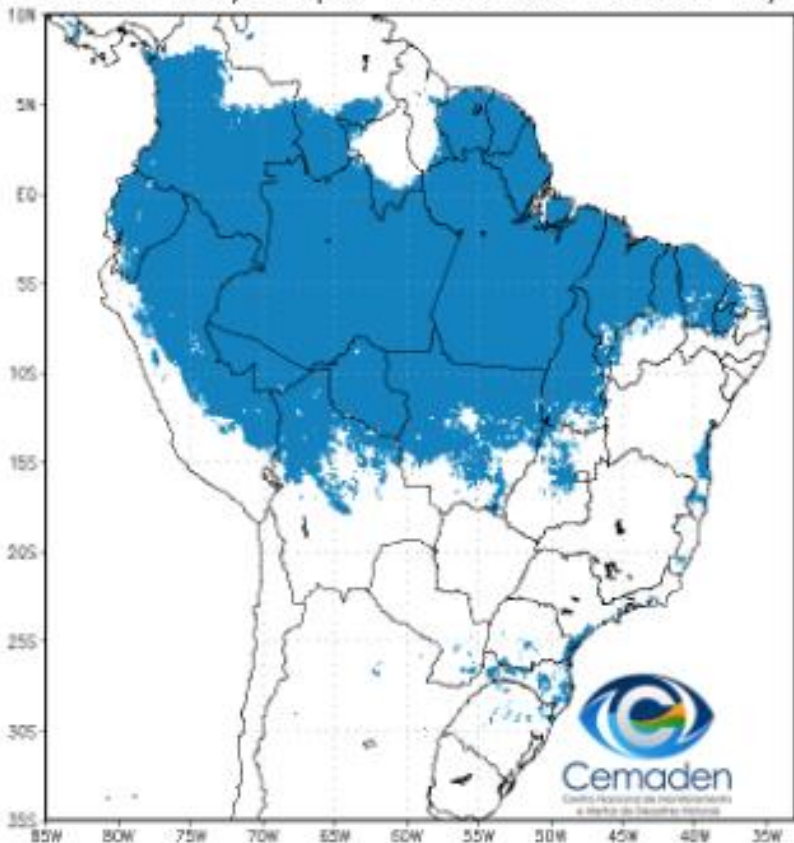


Anomalia de Precipitação (mm)
Período: 23/01/2024 a 22/04/2024



Situação da Estação Chuvosa

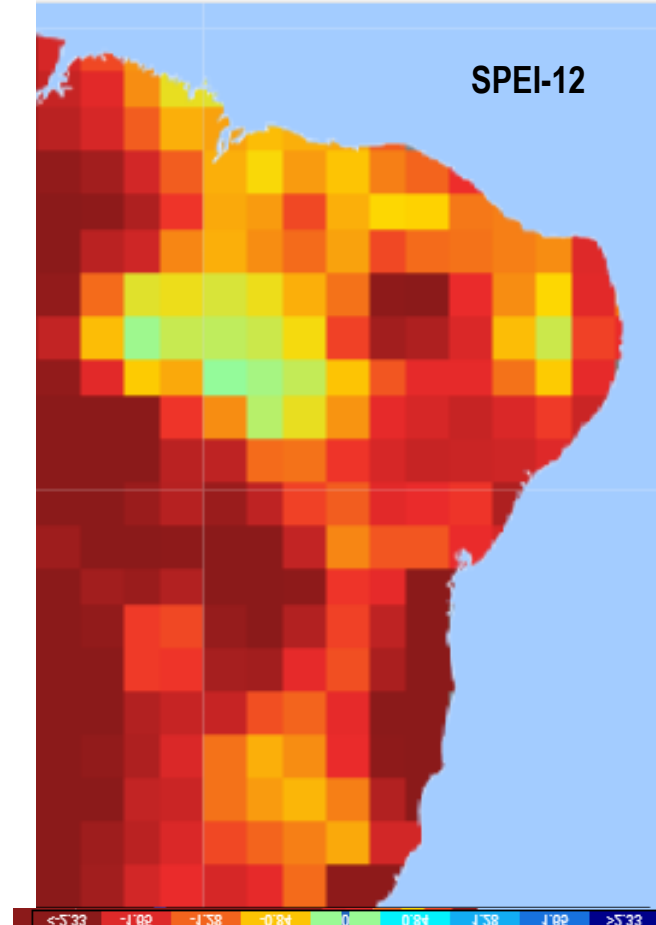
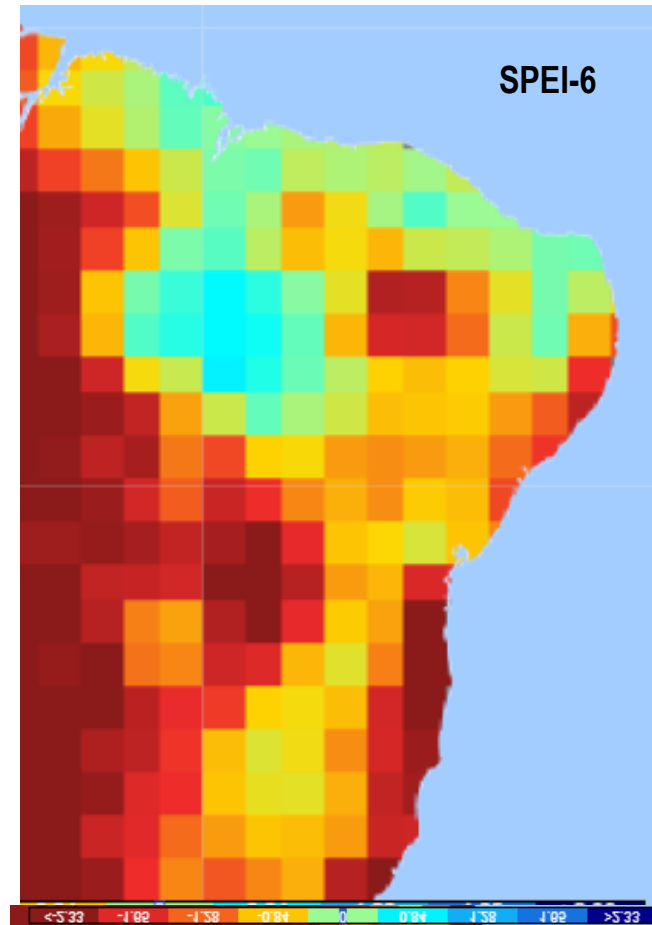
Climatologia da Precipitação (2001–2023)
Inferior 2 mm/dia por 4 de 5 dias Período: 23/04



Precipitação Inferior 2 mm/dia por 4 de 5 dias
Período: 23/04/2024

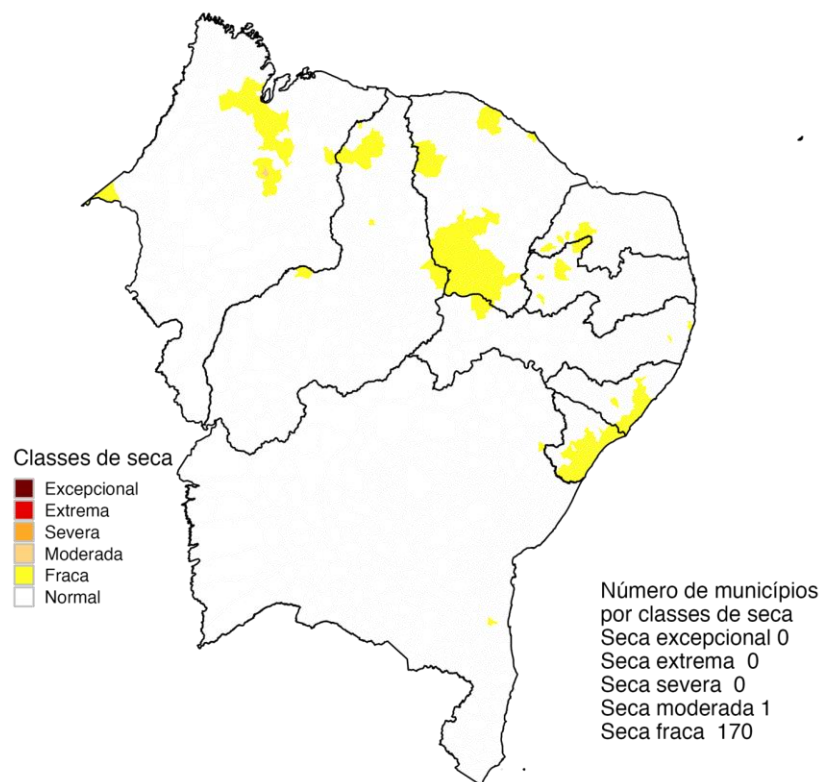


Índice Padronizado de Precipitação – Evapotranspiração Potencial (SPEI)



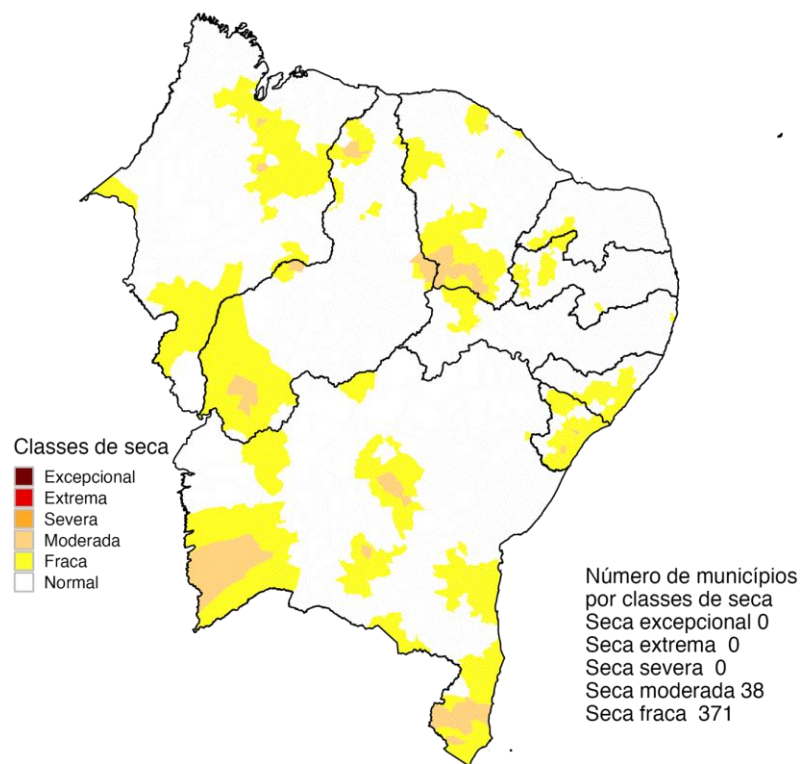
ÍNDICE INTEGRADO DE SECA - IIS (SPI + VHI + AUS)

IIS-03



Março 2024
Índice Integrado de Seca (SPI3, VHI, US)
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

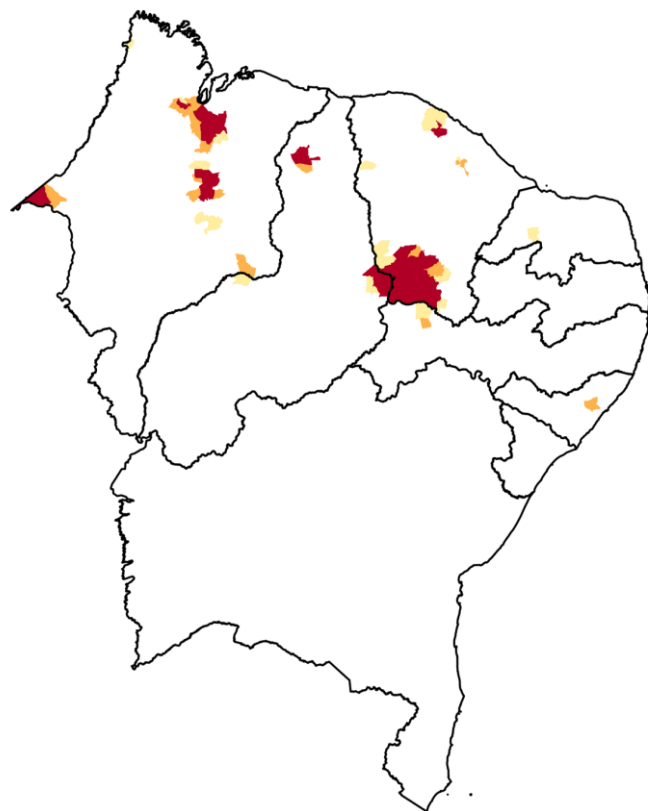
IIS-06



Março 2024
Índice Integrado de Seca (SPI6, VHI, US)
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

MARÇO/2024



ABRIL/2024 (PARCIAL)

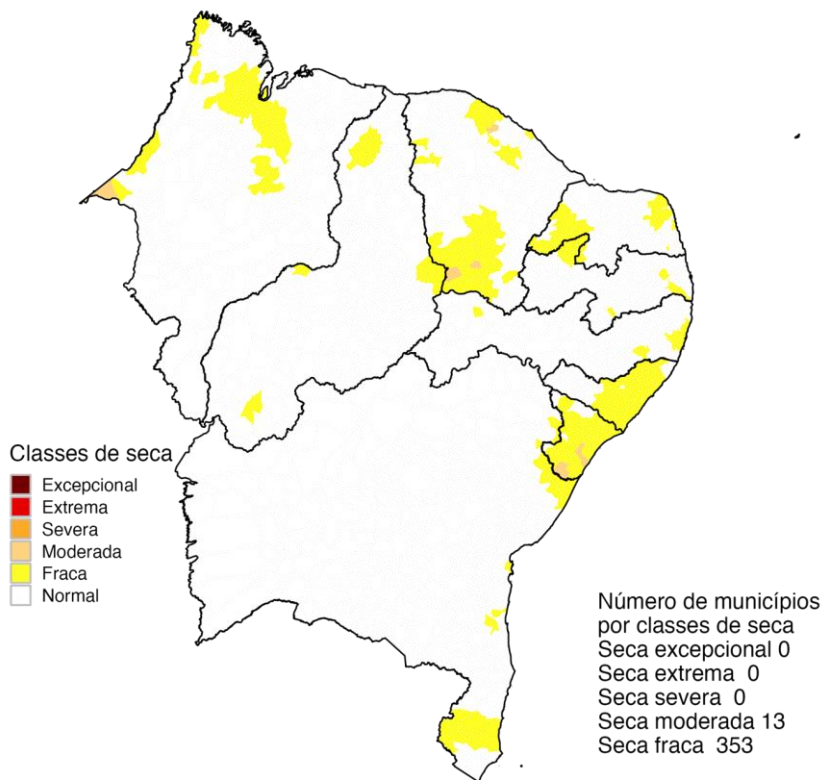


Fração da
área afetada

- > 80%
- 60-80%
- 40-60%
- < 40%

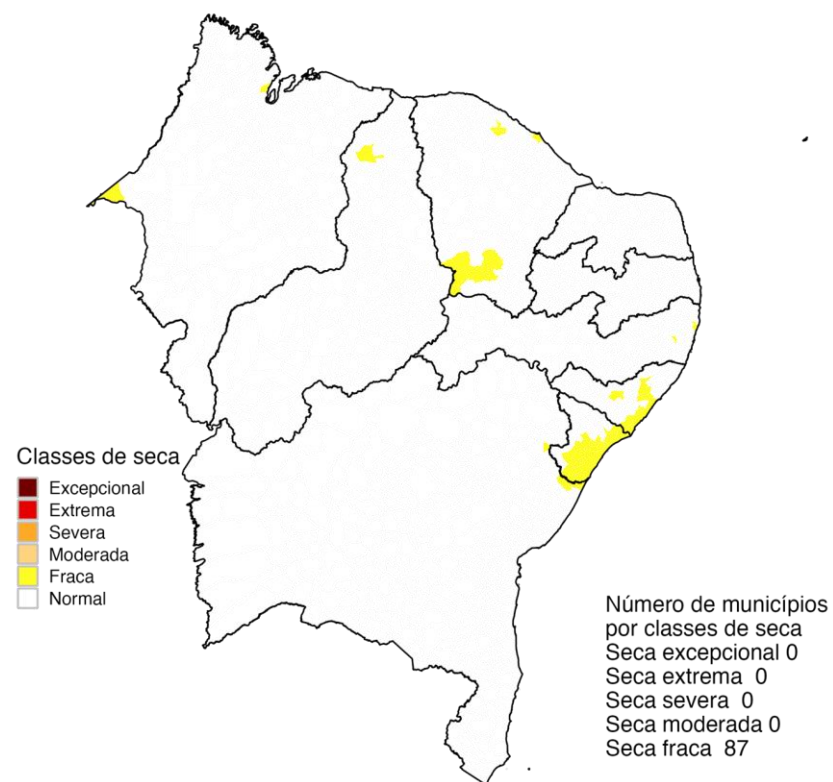
CENÁRIOS IIS: MAIO/2024

30% ABAIXO



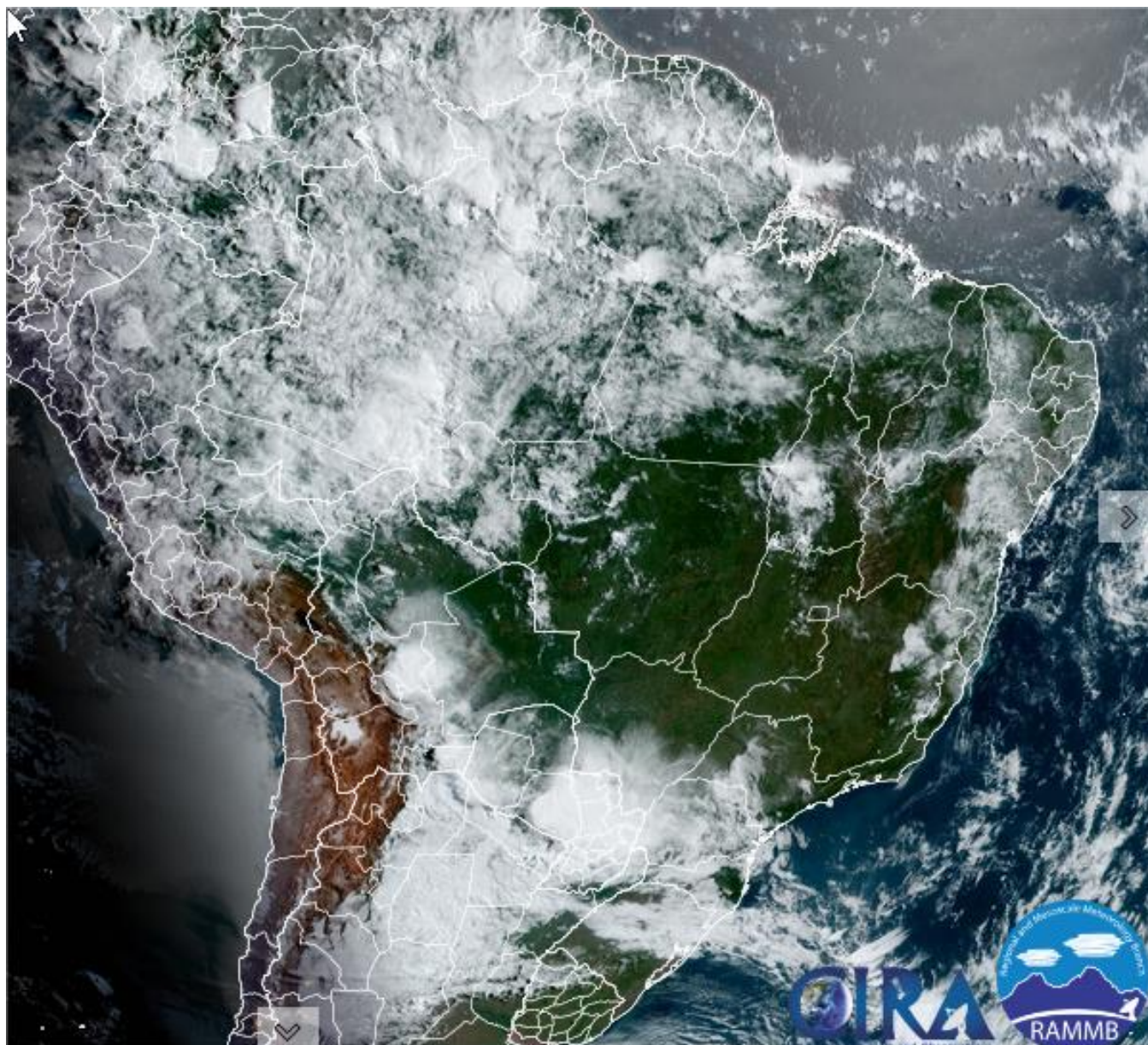
Abril 2024
Índice Integrado de Seca (SPI, US, VHI)
Cenário: Chuva -30%
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

30% ACIMA



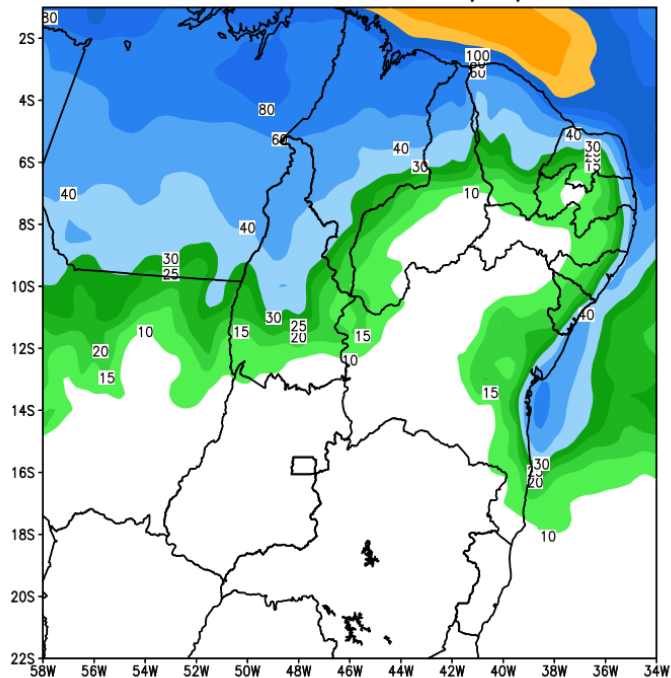
Abril 2024
Índice Integrado de Seca (SPI, US, VHI)
Cenário: Chuva +30%
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

Situação meteorológica atual

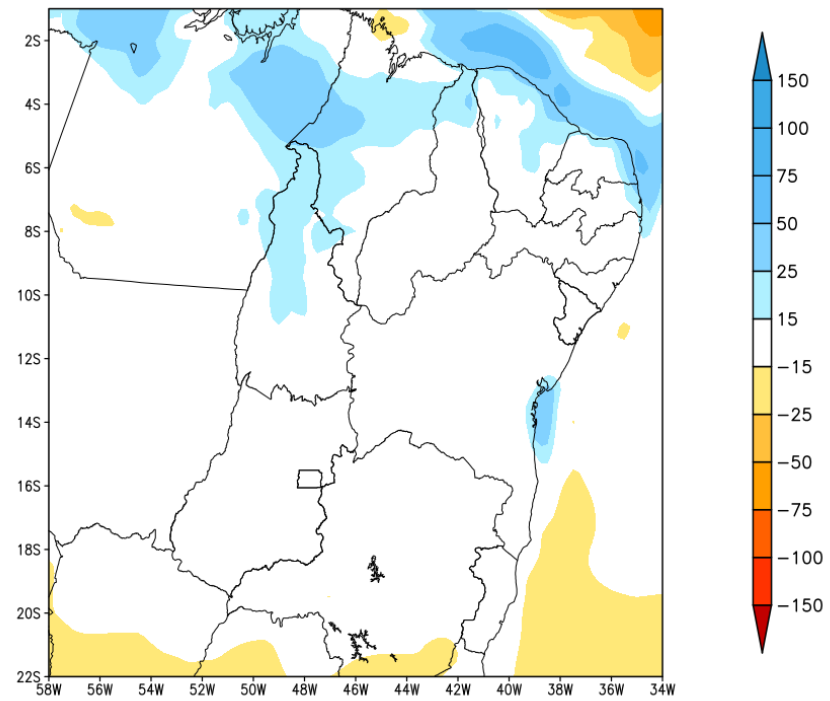


Previsão de chuva os próximos 7 dias

GEFS / BRASIL_NE
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 24/04/2024



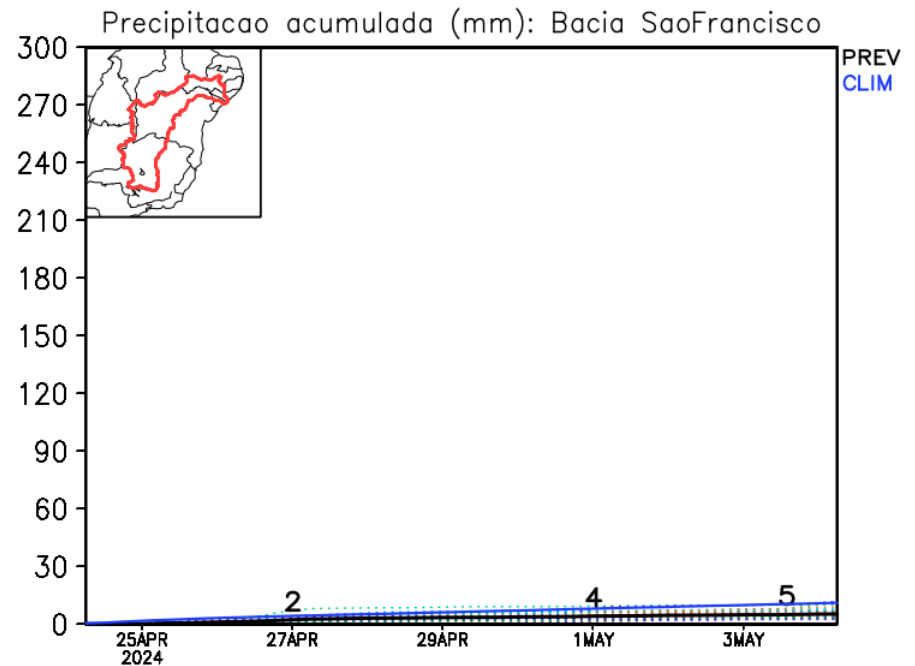
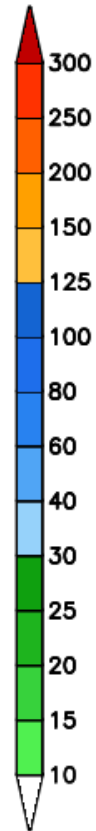
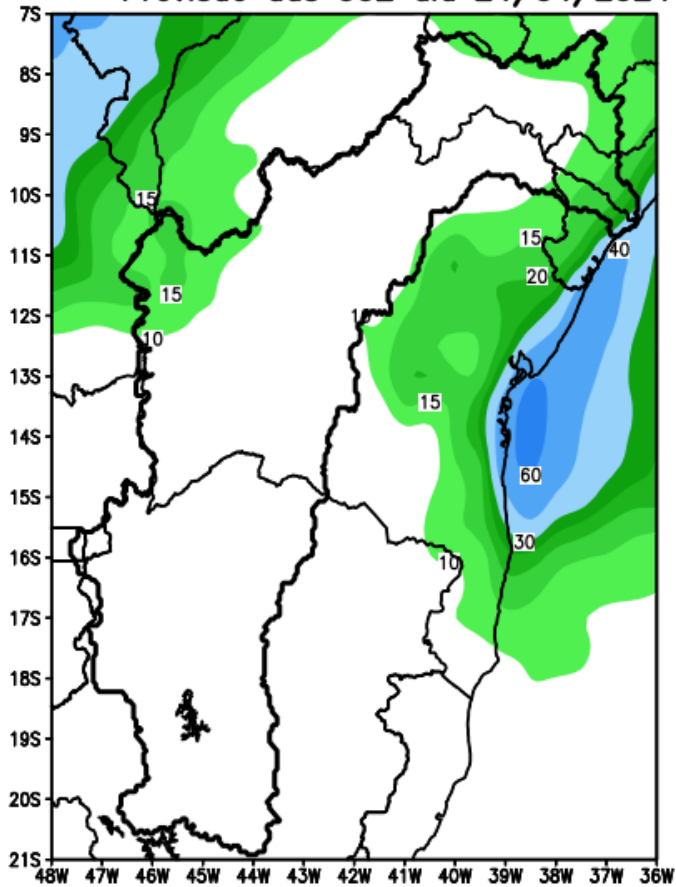
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2024042400 a 2024050100



Fonte: GEFS/NOAA

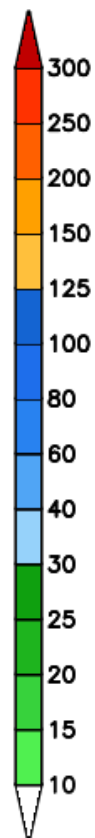
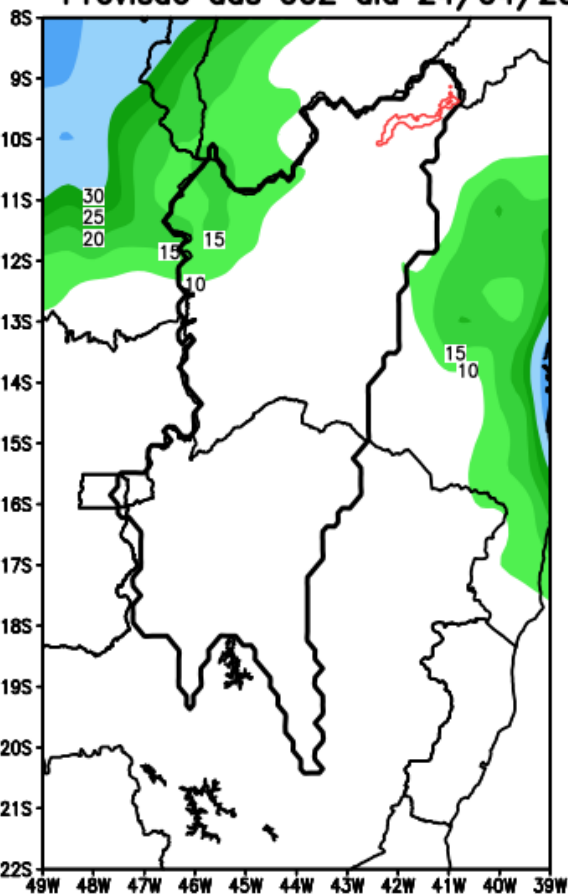
Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 24/04/2024

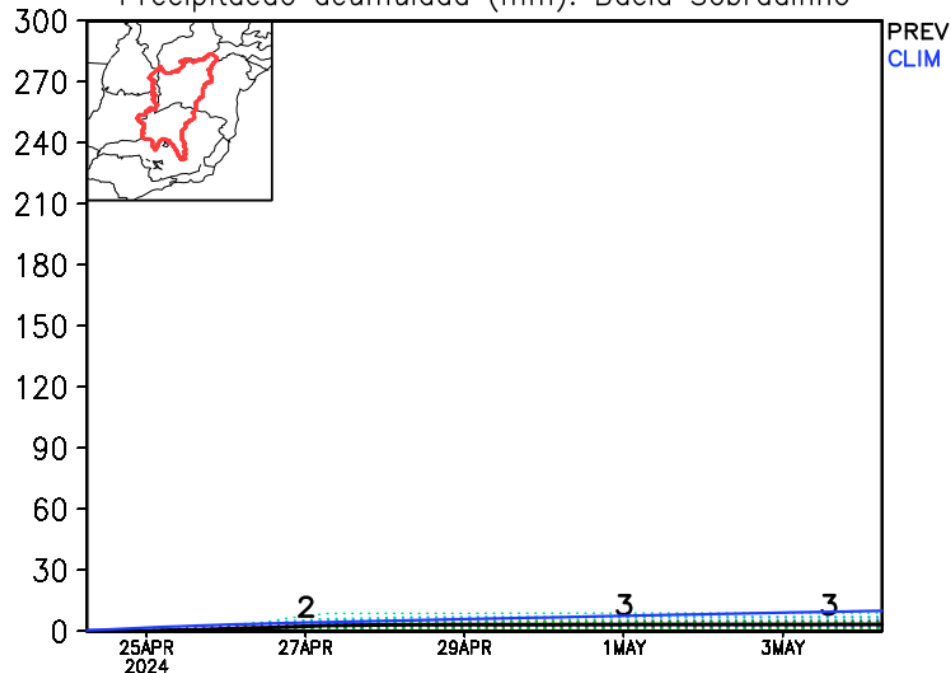


Bacia de Sobradinho

GEFS / Sobradinho
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 24/04/2024

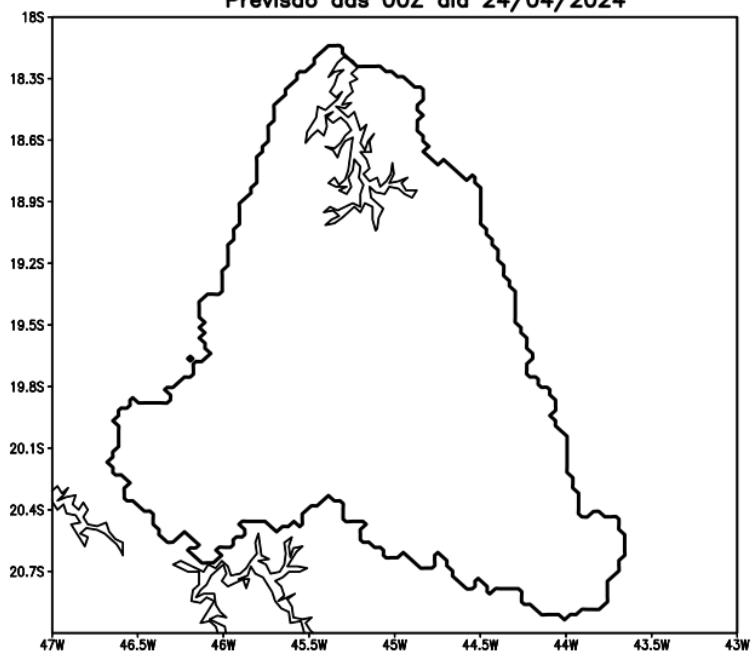


Precipitacao acumulada (mm): Bacia Sobradinho

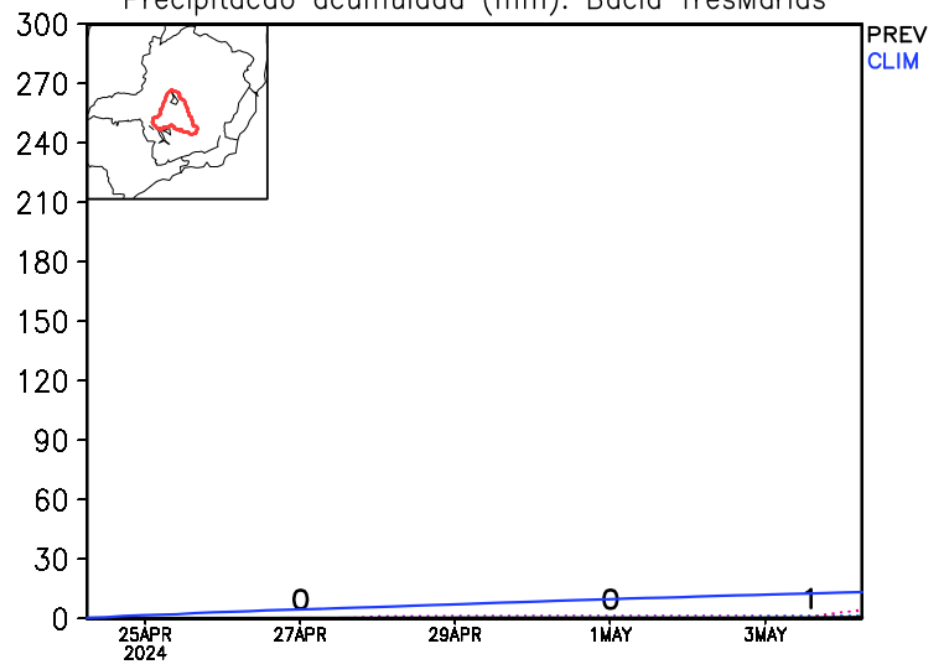


Bacia de Três Marias

GEFS / Tres Marias
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 24/04/2024

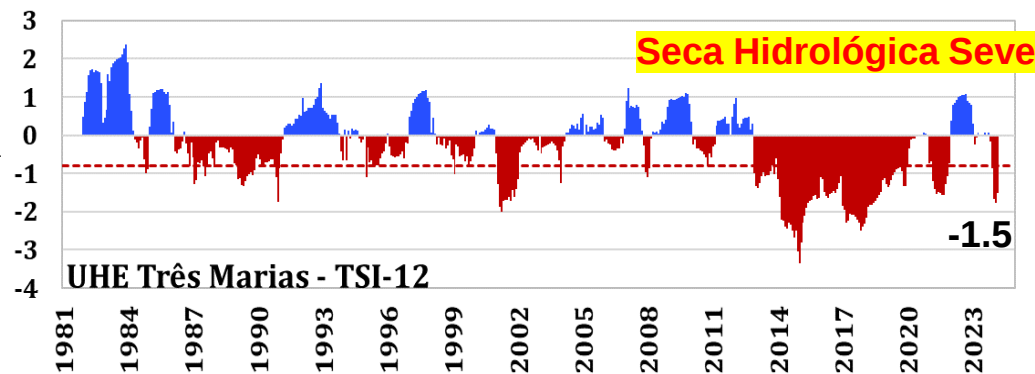
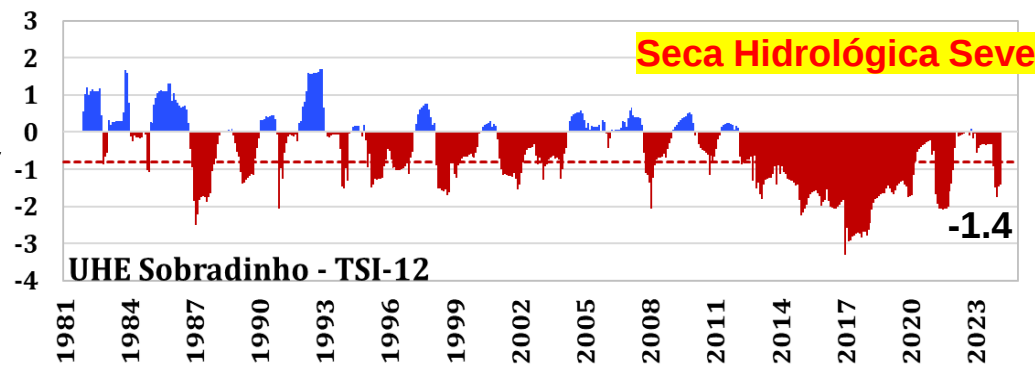
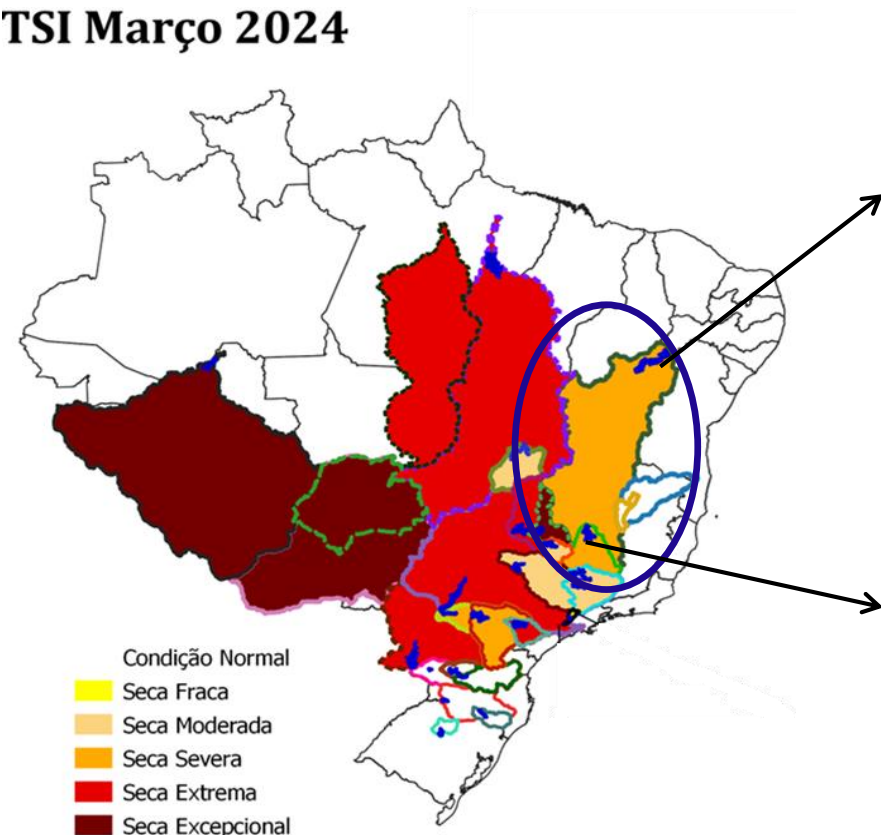


Precipitacao acumulada (mm): Bacia TresMarias



Índice Padronizado Bivariado (Chuva-Cota) - TSI (Two-variate Standardized Index – Escala de 12 meses)

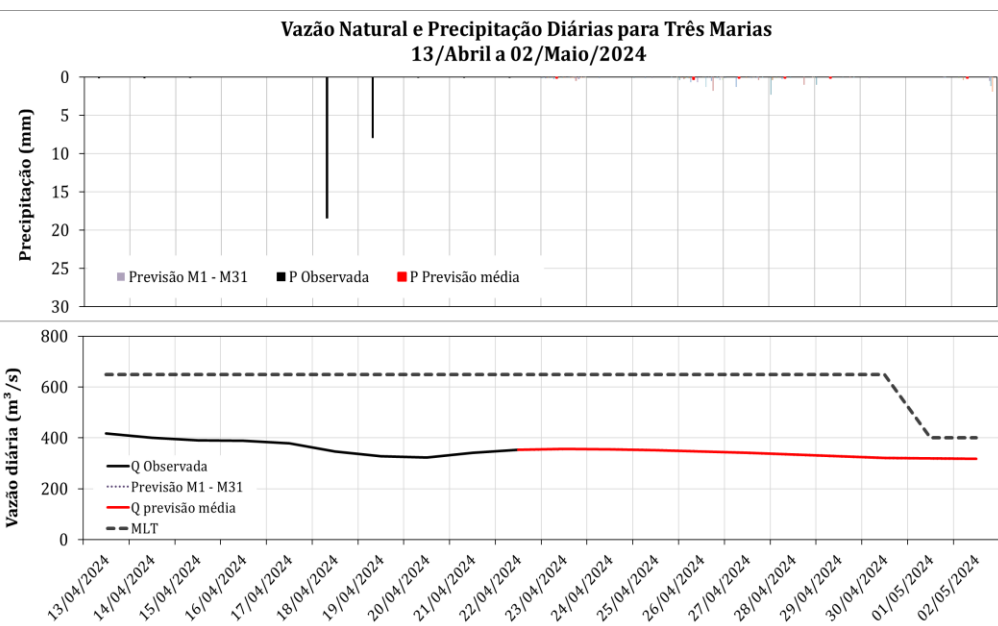
TSI Março 2024



Bacia afluyente à UHE:	TSI-Fev	TSI-Mar
Sobradinho	Severa	Severa
Três Marias	Extrema	Severa

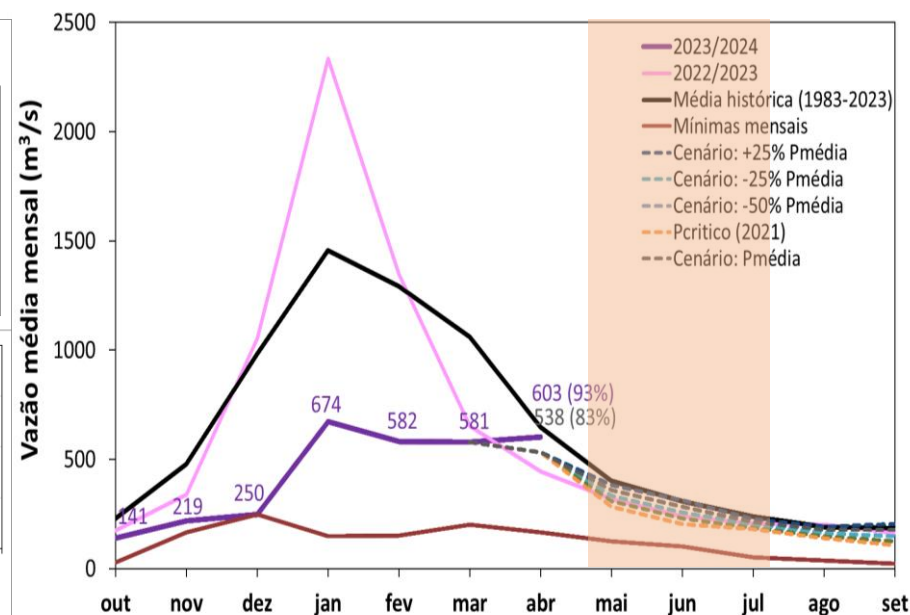
Fonte dos dados: Precipitação (Cemaden/INMET) e Vazão (ONS/ANA) - Jan/1981-Mar/2024
Estimativa TSI e Gráficos: CEMADEN

Previsão hidrológica UHE Três Marias- **Próximos 10 dias**



Previsão média para os Próximos 10 dias: 337 m³/s
52% da MLT de Abril
84% da MLT de Maio

Projeções hidrológicas UHE Três Marias- **Trimestre MJJ**



**Condições Atuais –
Abril/24
(Até dia 22/04)**

**Projeções –
MJJ/24
Cenários: -P25%
P Média; e +P25%**

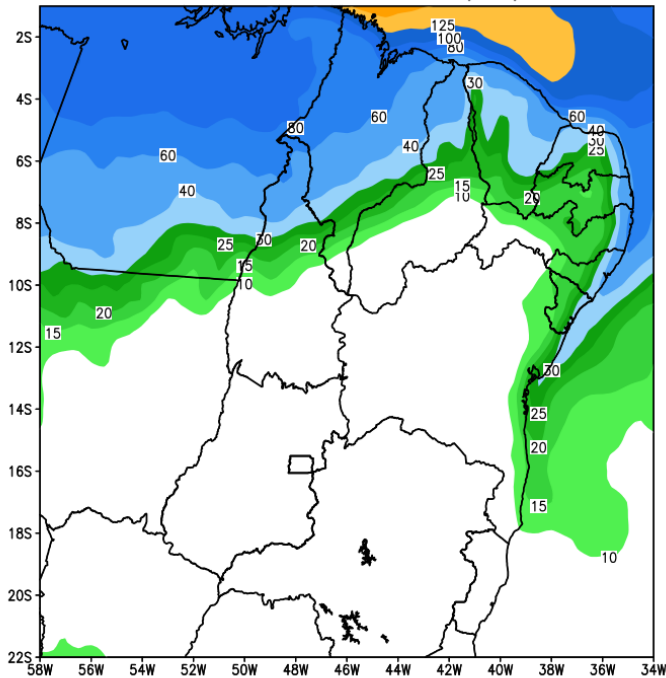
P (% MLT)	Vazão (% MLT)	Volume % (22/Abr)
61 mm (98%)	603 m³/s (93%)	68% (Normal)

**Vazão
(% MLT)**

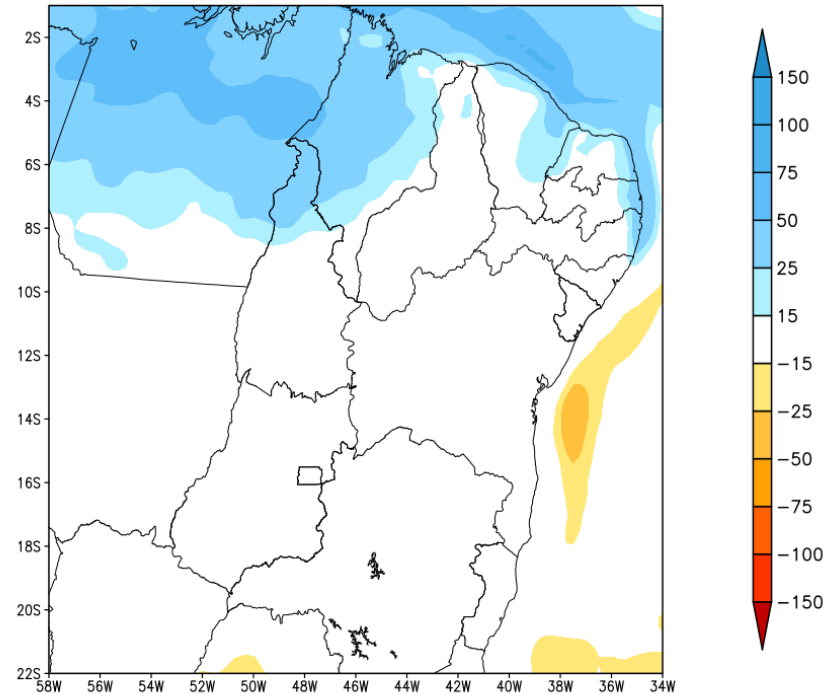
83% - 88% - 94%

Tendência para a 2a semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 24/04/2024



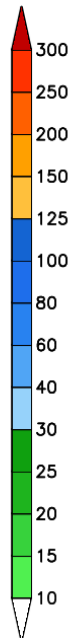
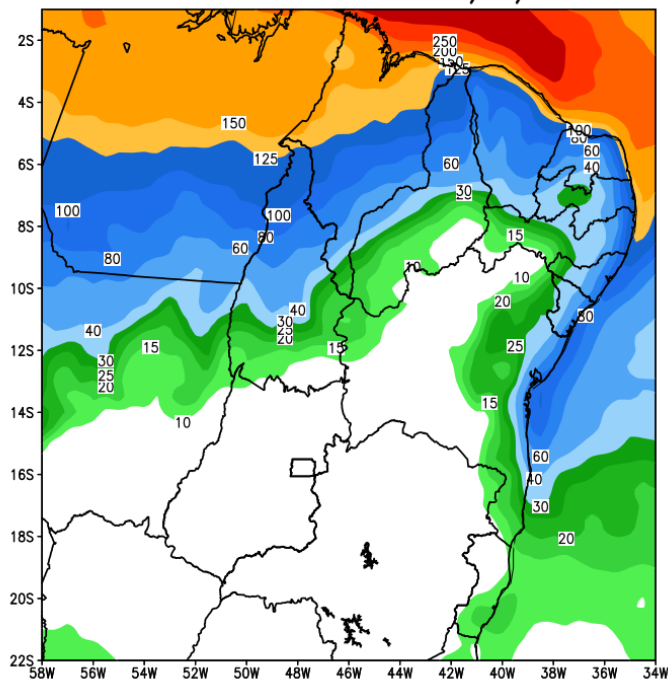
Anomalia de Precipitacao BR NE (mm)
Periodo: 2024050200 a 2024050800



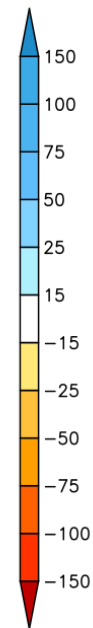
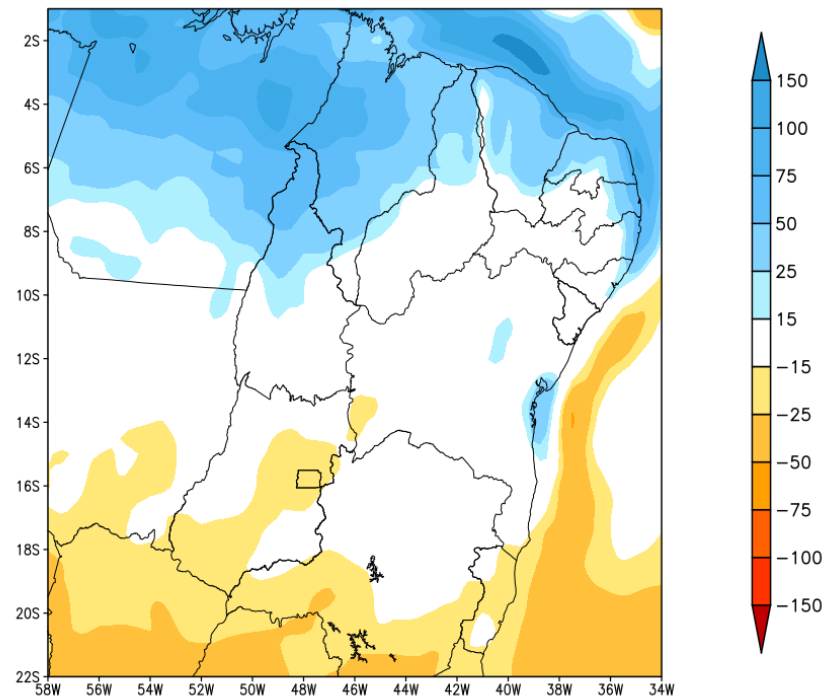
Modelo GFS/NOAA

Tendência para as duas próximas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 14 dias (mm)
Previsao das 00Z dia 24/04/2024



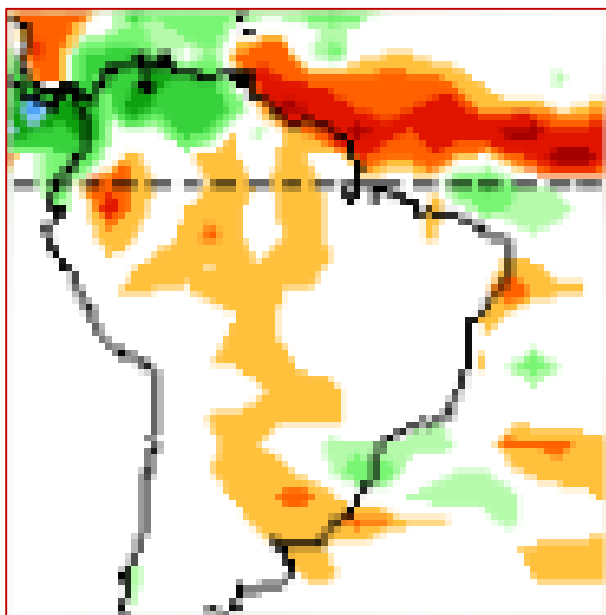
Anomalia de Precipitacao BR NE (mm)
Periodo: 2024042400 a 2024050800



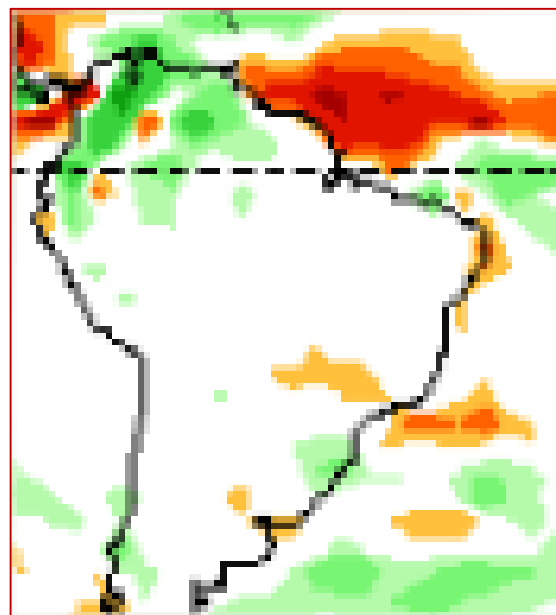
Modelo GFS/NOAA

Tendência 3a e 4a semanas

07-13 Maio

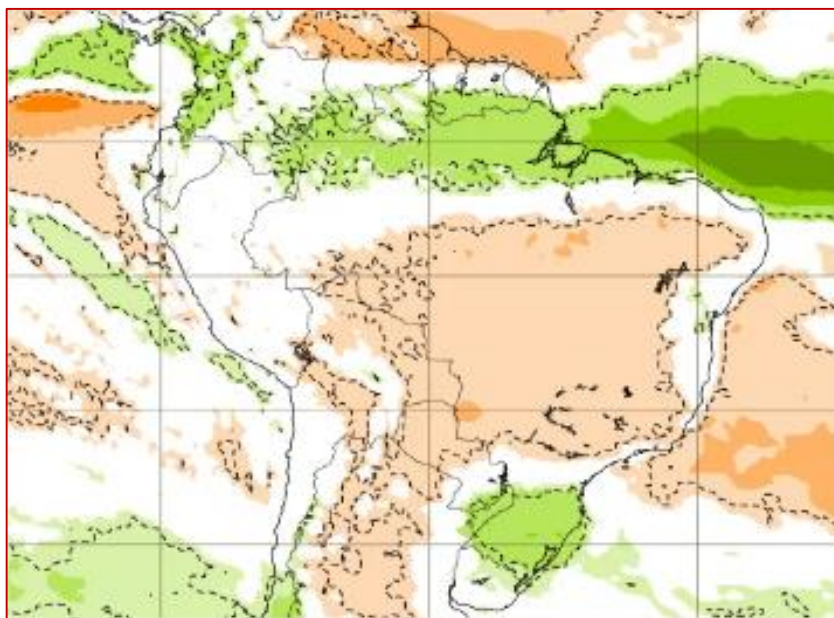


14-20 Maio

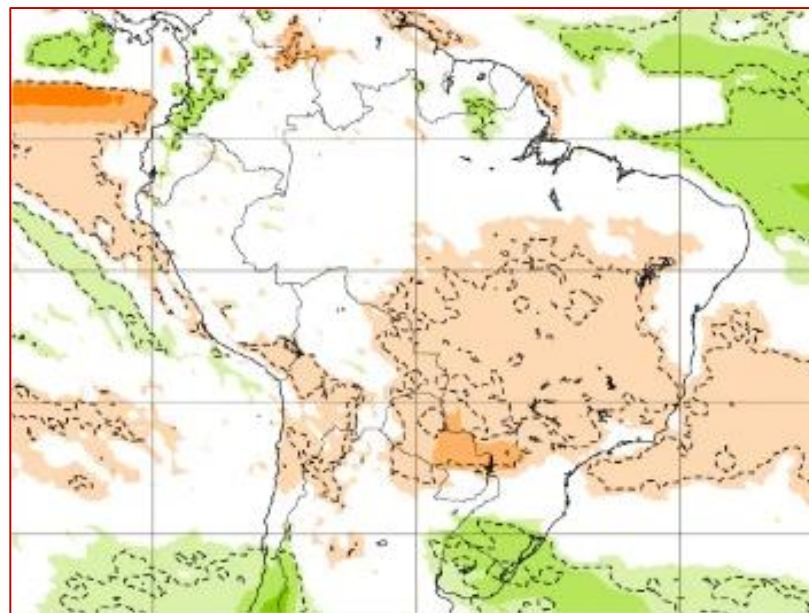


Tendência para 3^a e 4^a semanas

06-13 Maio

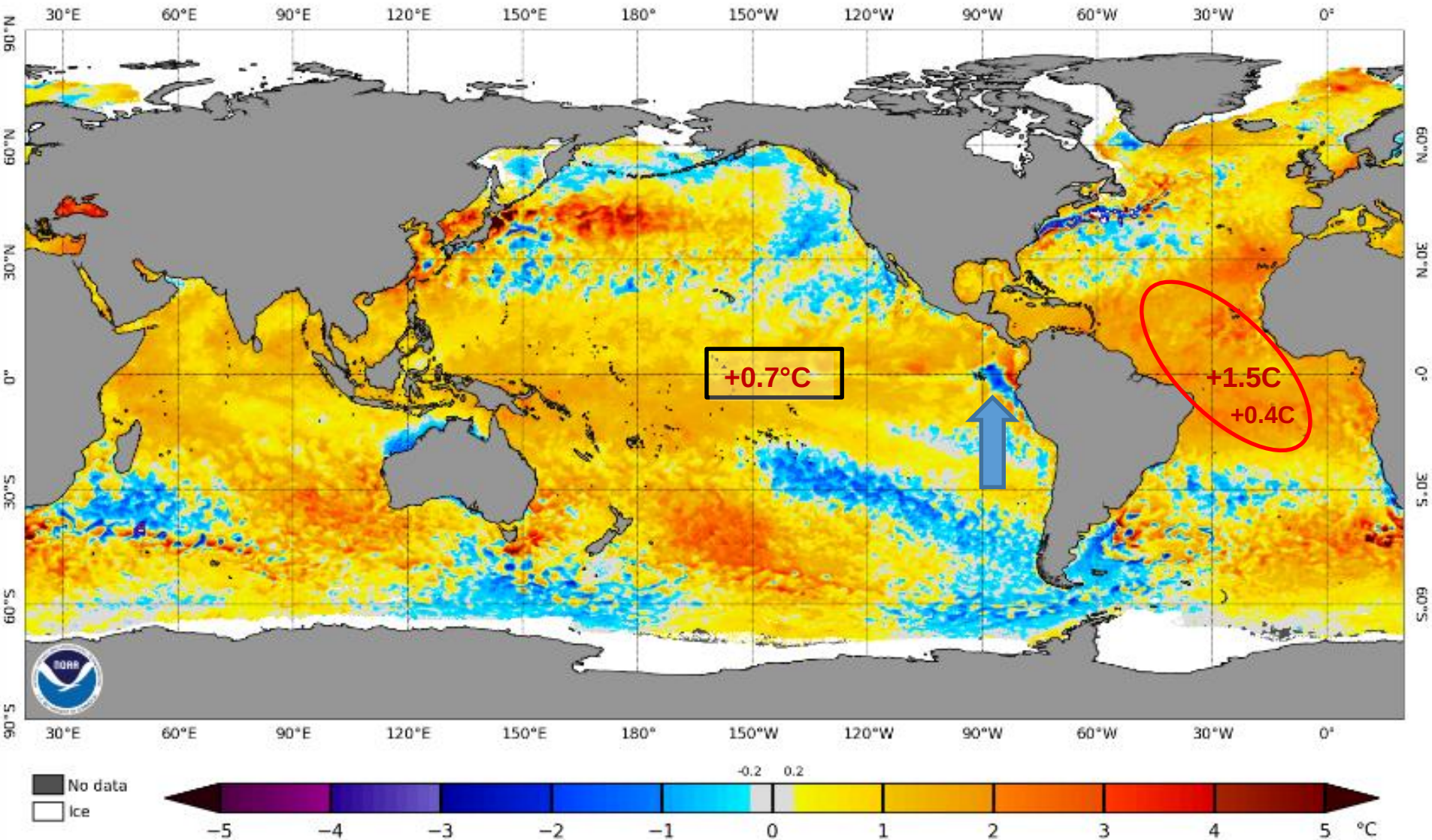


13-20 Maio



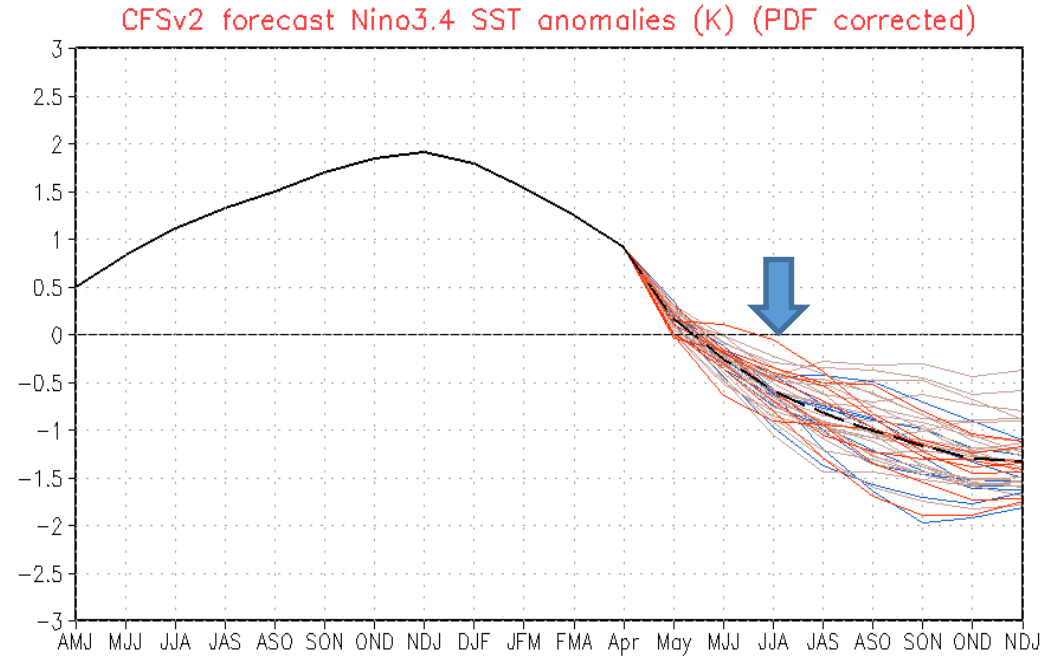
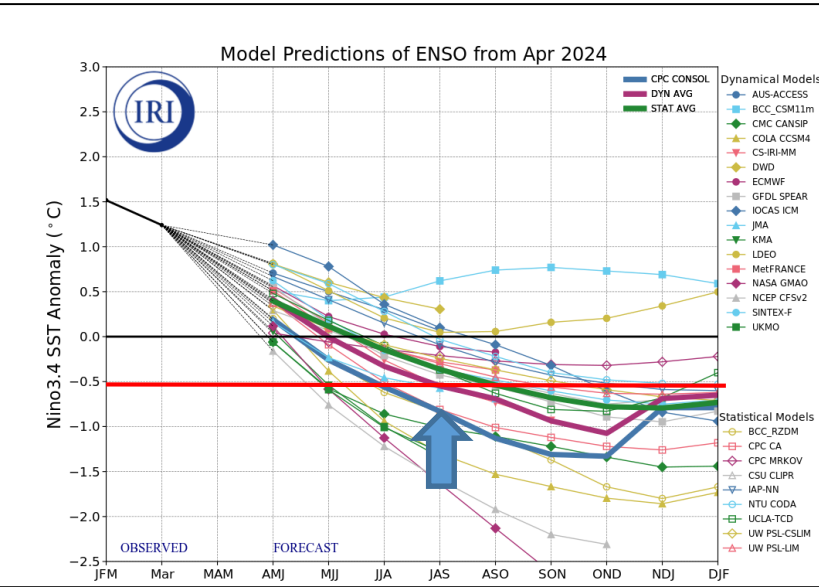
Status Atual: **El Niño**/ La Niña Watch

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 21 Apr 2024



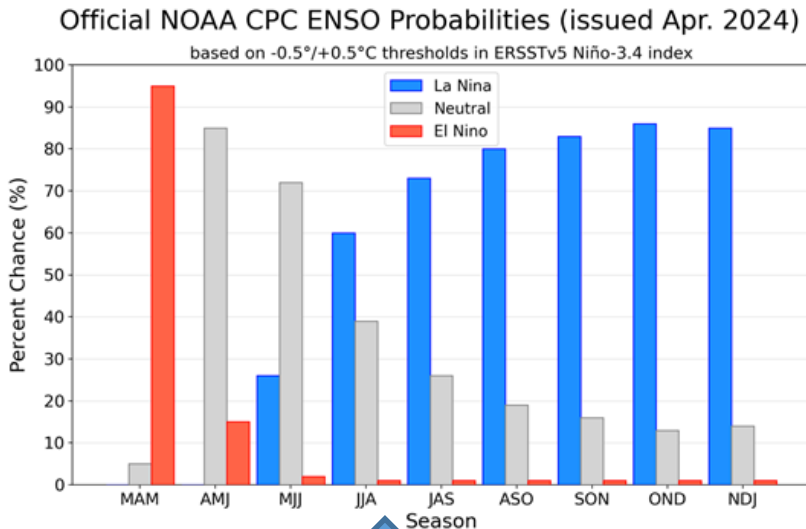
FONTE: NOAA

Previsão do “ENSO”

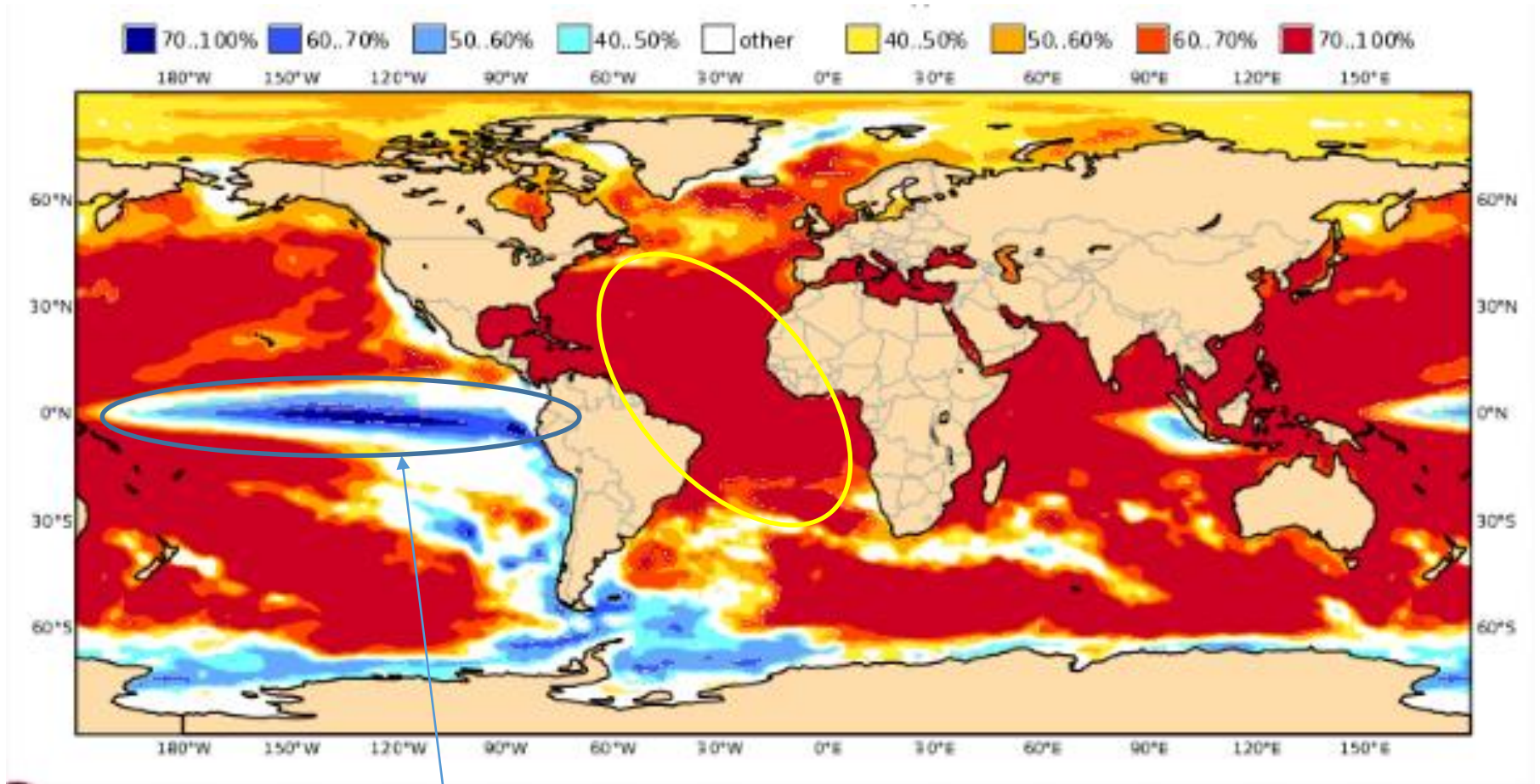


— Latest 8 forecast members
 — Earliest 8 forecast members
 — Other forecast members
 — Forecast ensemble mean
 — NCEI Olv2.1 daily analysis
 (Climatology base period: 1991–2020)

Atualizado 22 de Abril



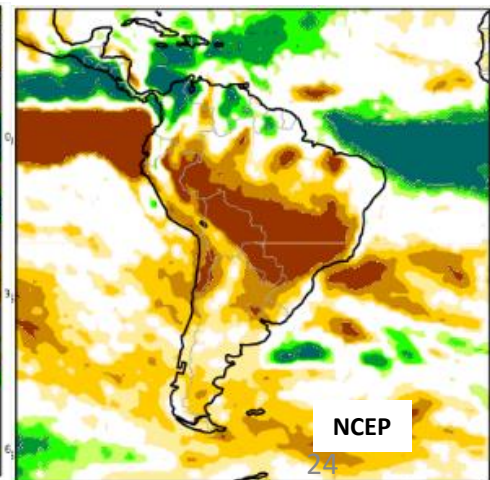
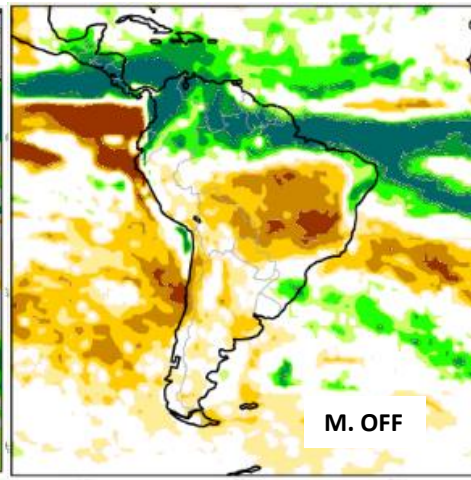
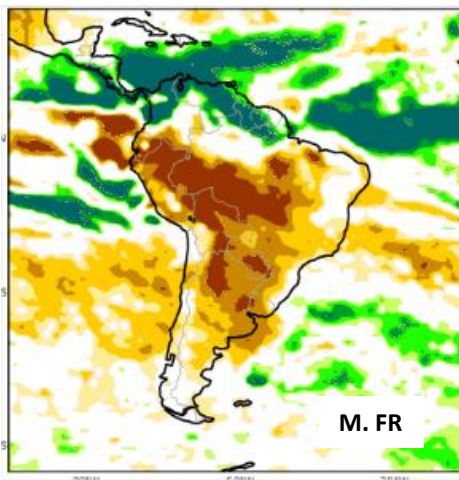
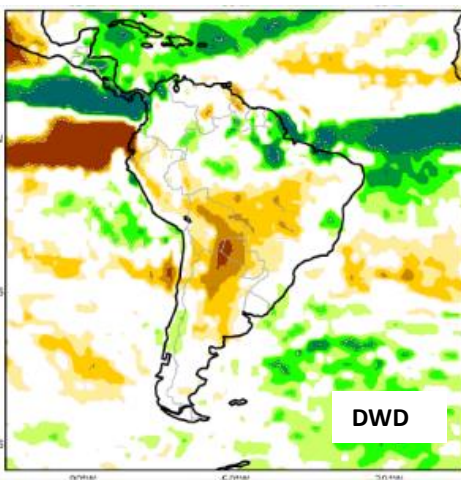
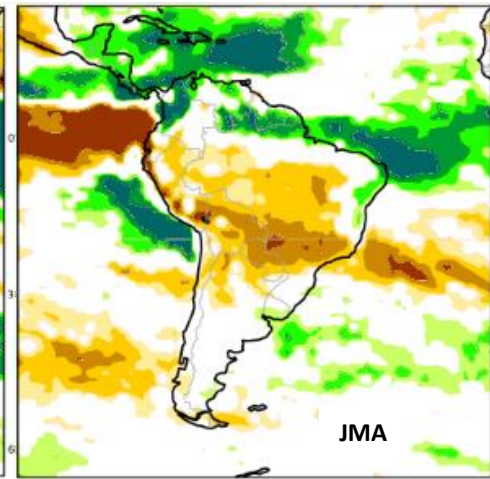
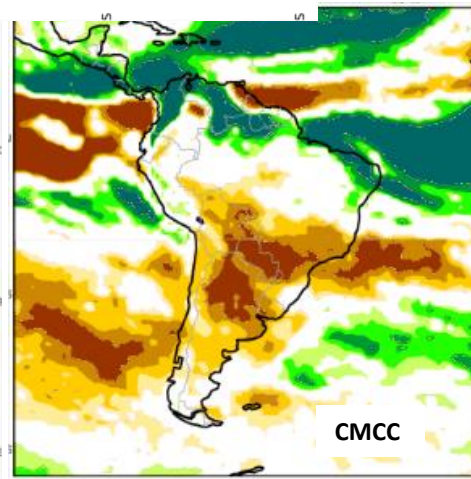
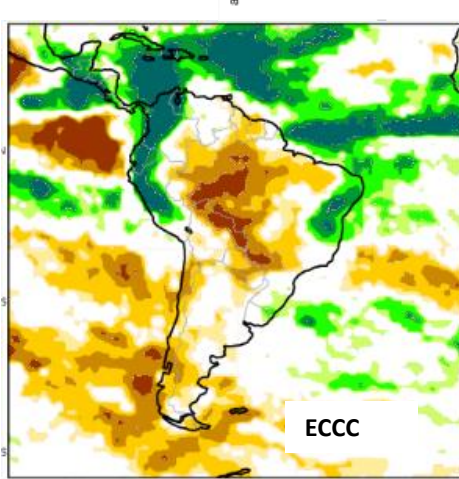
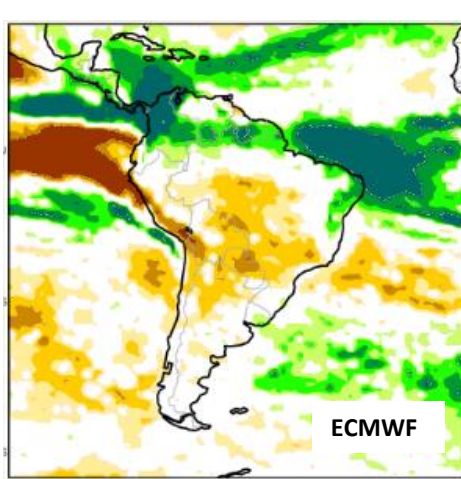
Temperatura do Mar prevista Julho-Setembro



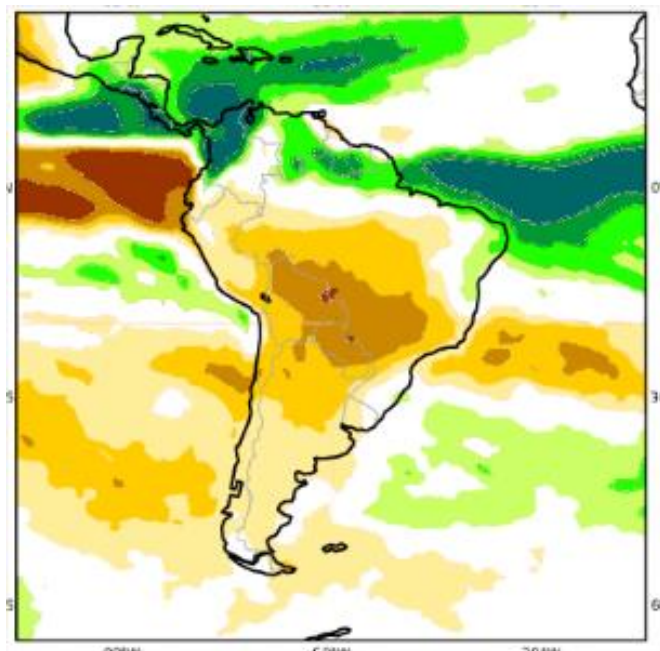
La Niña

Previsão Multi-modelo União Européia

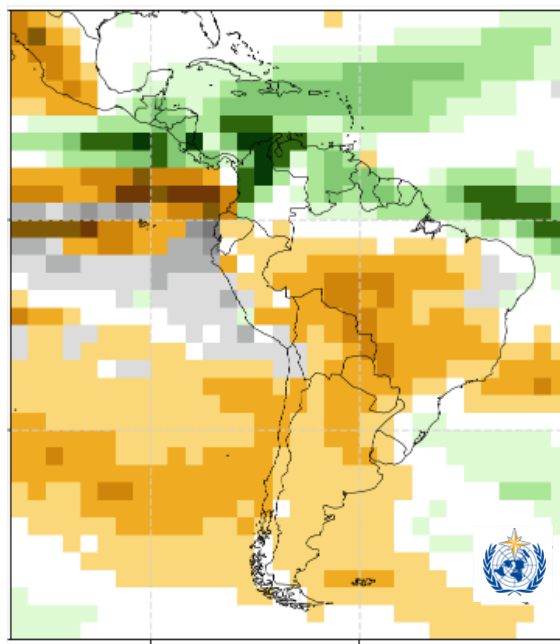
Previsão Sazonal de Chuva MJJ



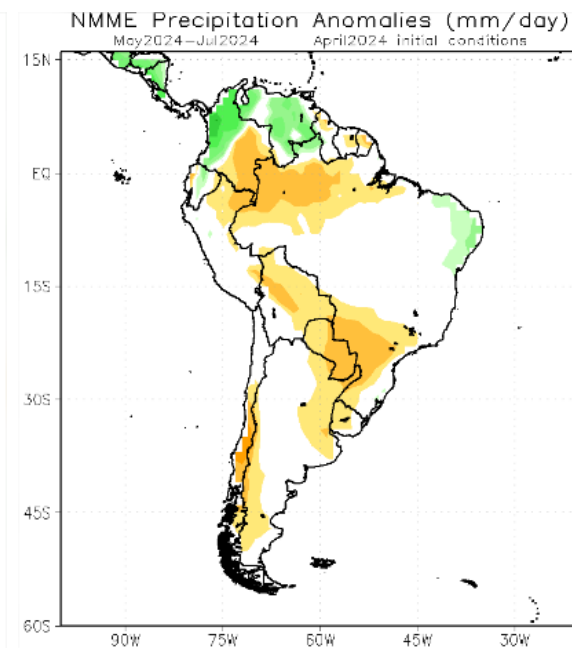
Previsão Sazonal de Chuva Multi-Modelo para MJJ



Previsão Multi-modelo
União Europeia



Modelos da Organização
Meteorológica Mundial



Modelos Americanos