

Monitoramento da situação da seca na bacia do rio Paranapanema

FEVEREIRO/2024



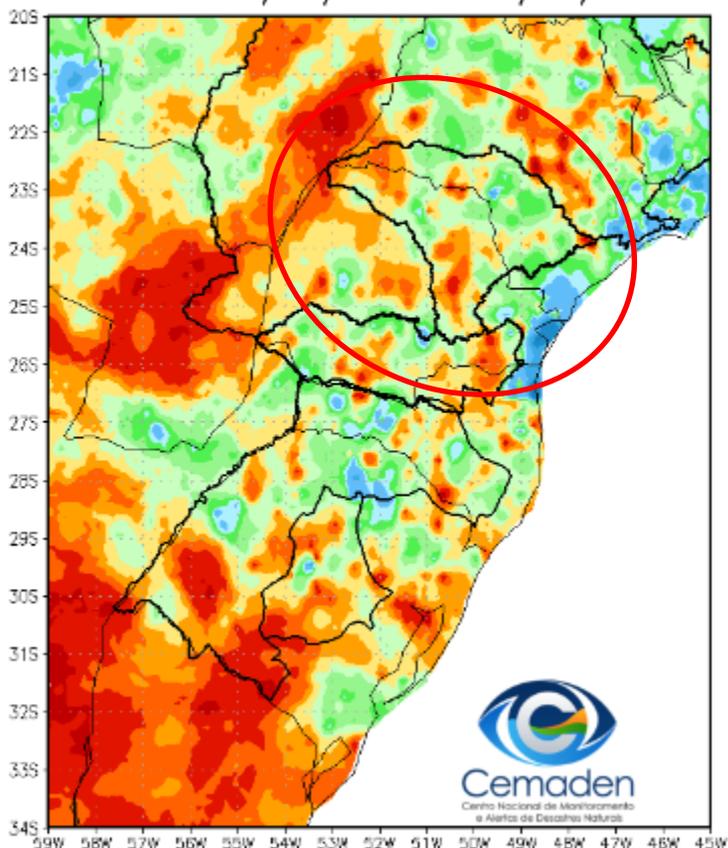
MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES



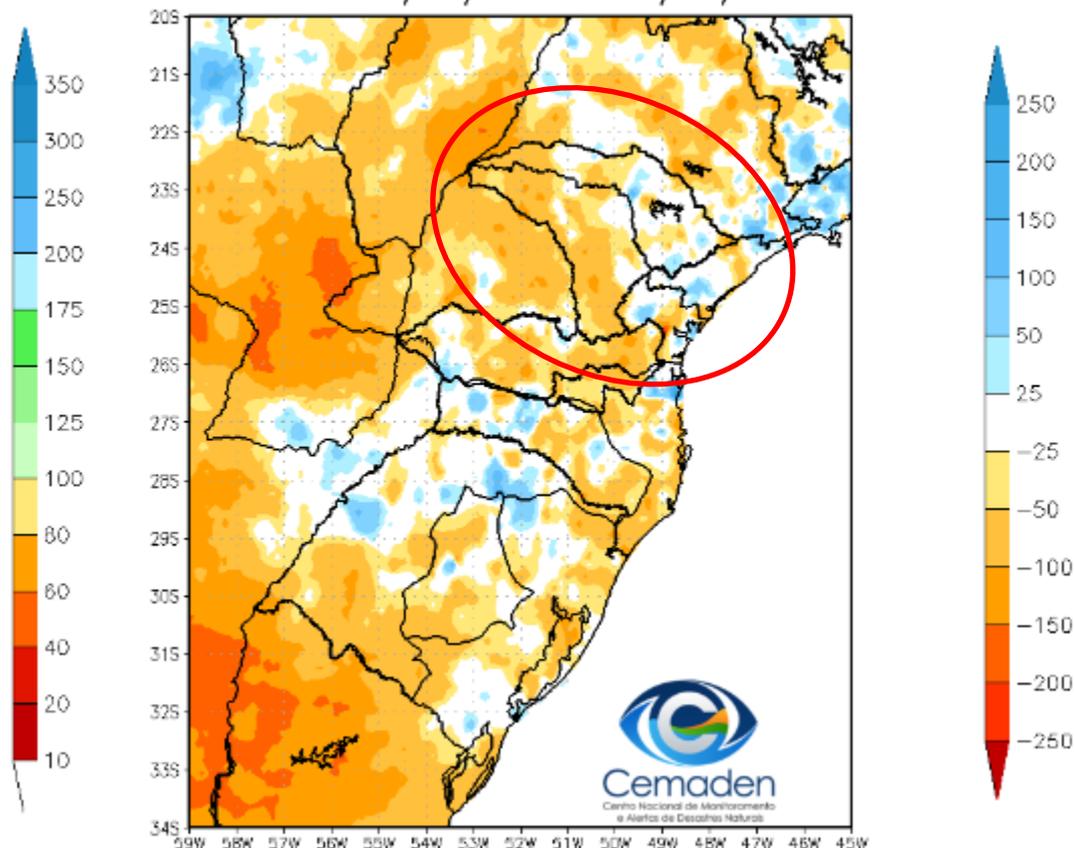


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 29/01/2024 a 28/02/2024

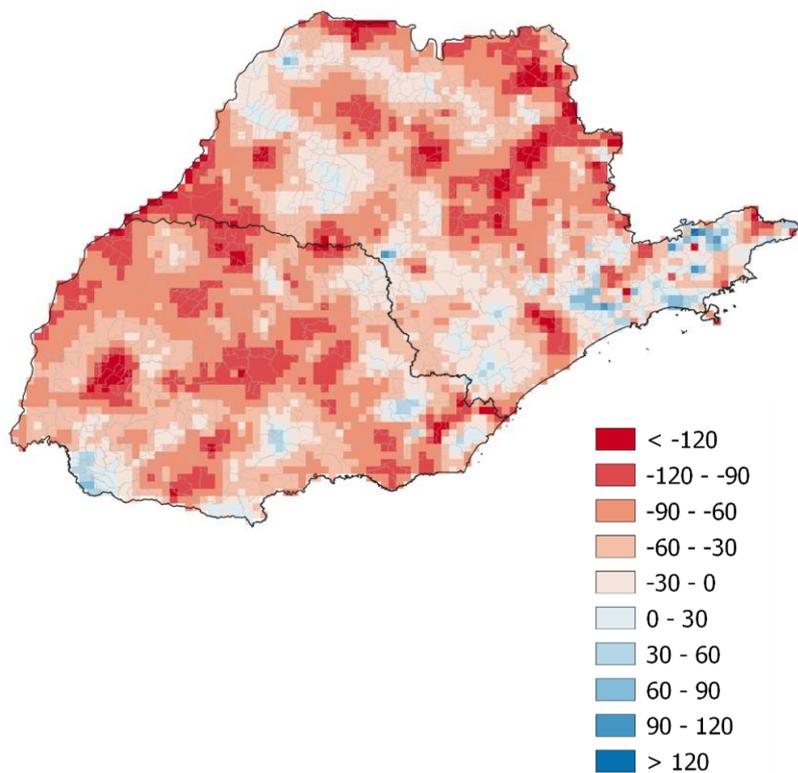


Anomalia de Precipitação (mm) A.S.
Período: 29/01/2024 a 28/02/2024

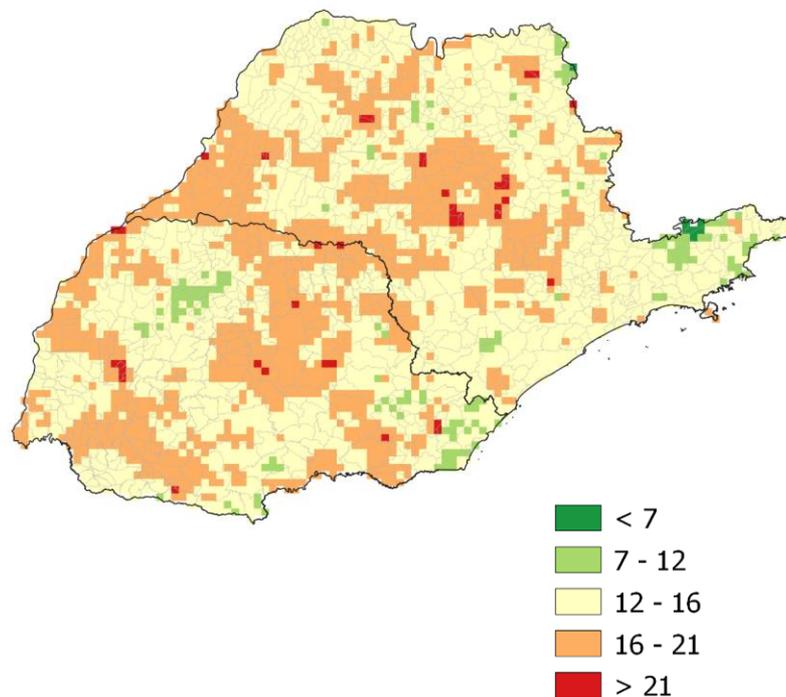


PRECIPITAÇÃO: FEVEREIRO (ATÉ 27) 2024

ANOMALIA (MM)

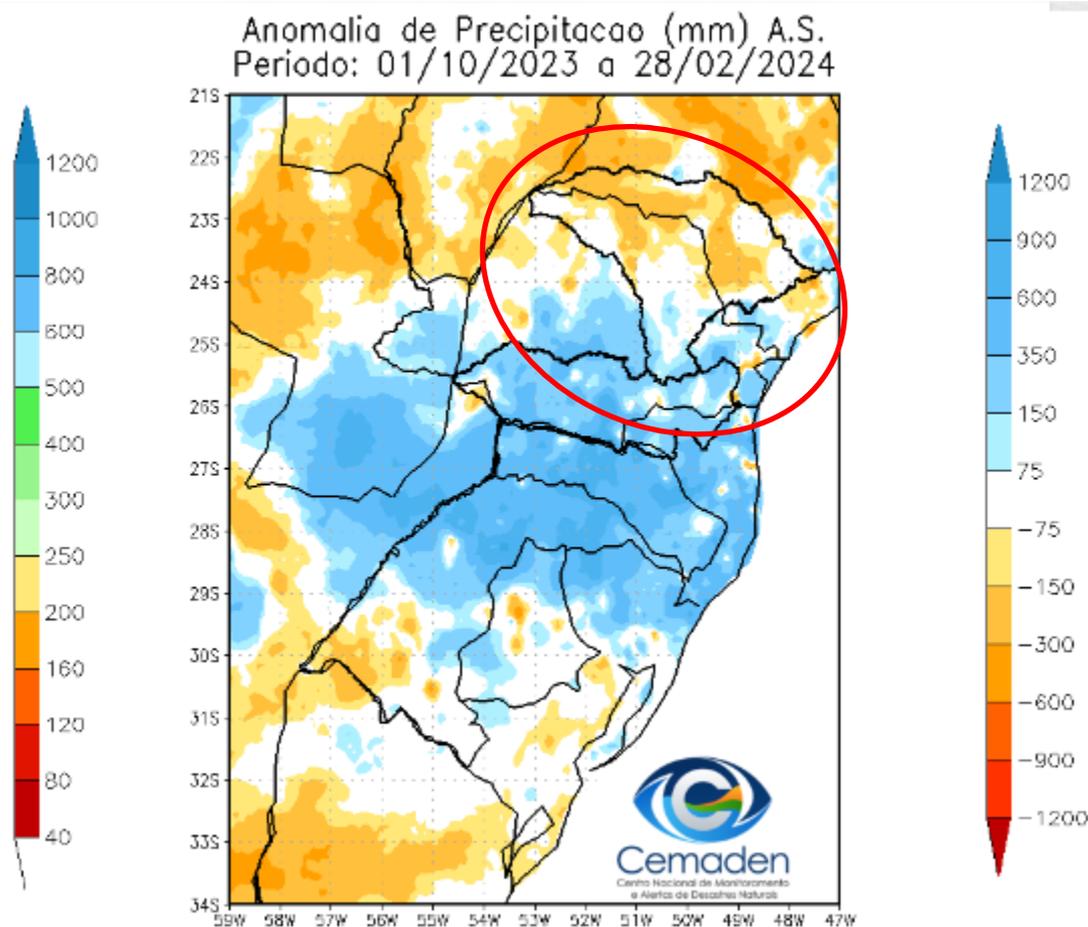
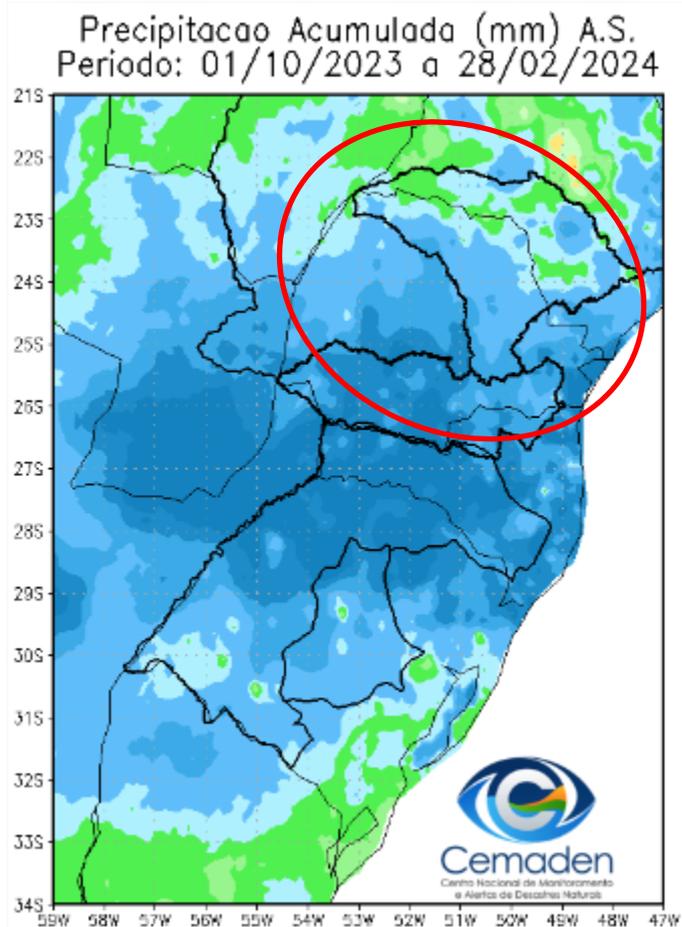


TOTAL DE DIAS SEM CHUVA



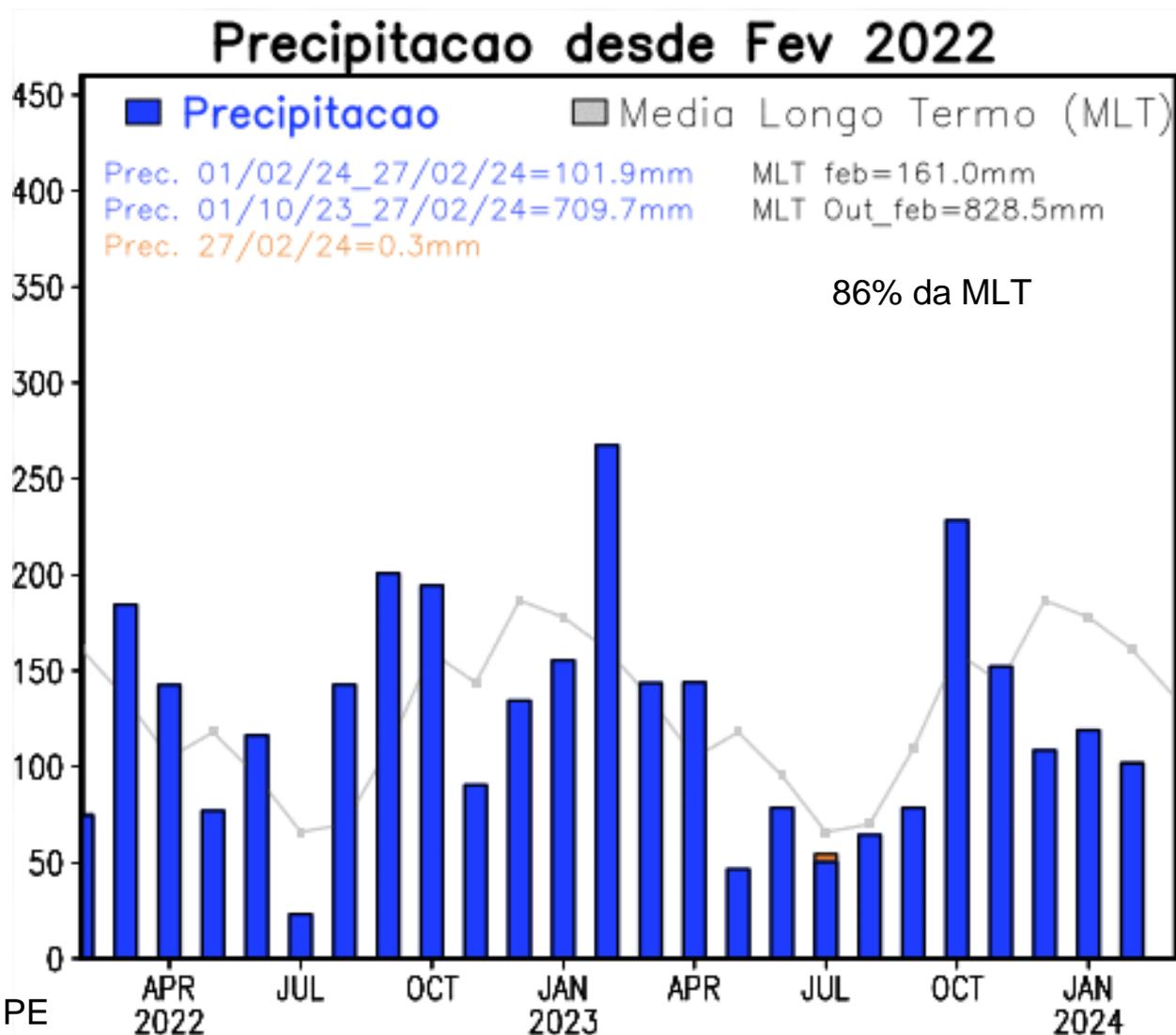


Precipitação acumulada Ano Hidrológico





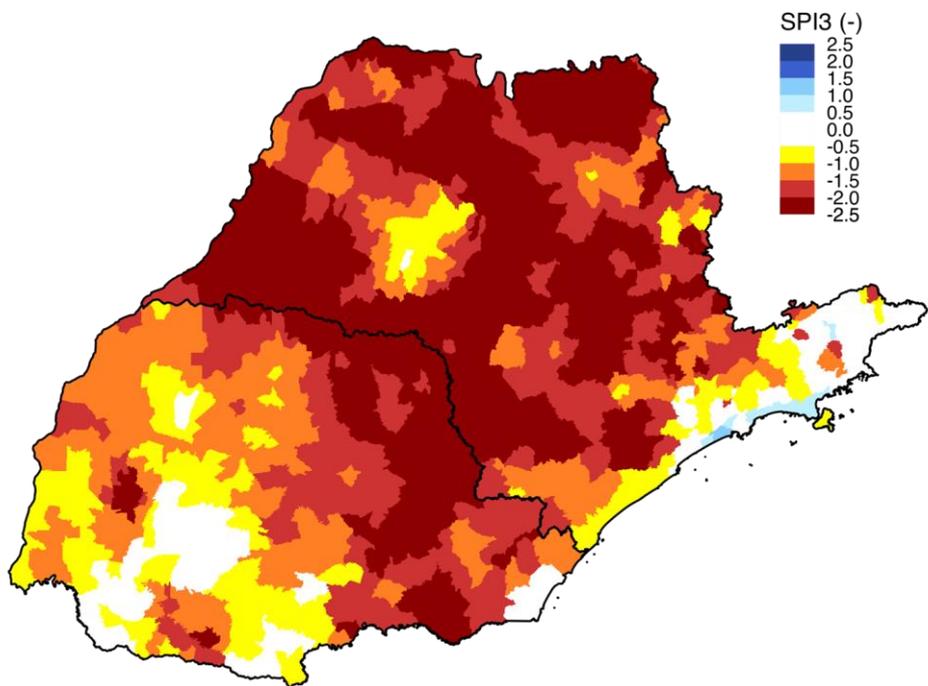
Evolução temporal da precipitação





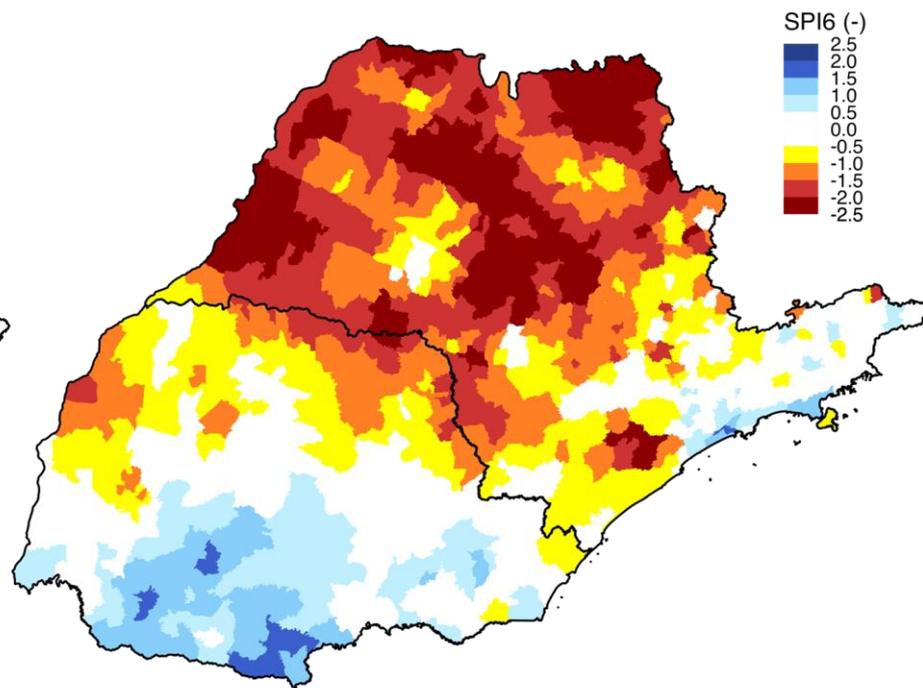
SPI: FEVEREIRO 2024

SPI-03



Fevereiro 2024
Índice Padronizado de Precipitação (SPI, 3 meses)
Dados: CPTEC/INPE / Preparação: Cemaden/MCTI

SPI-06



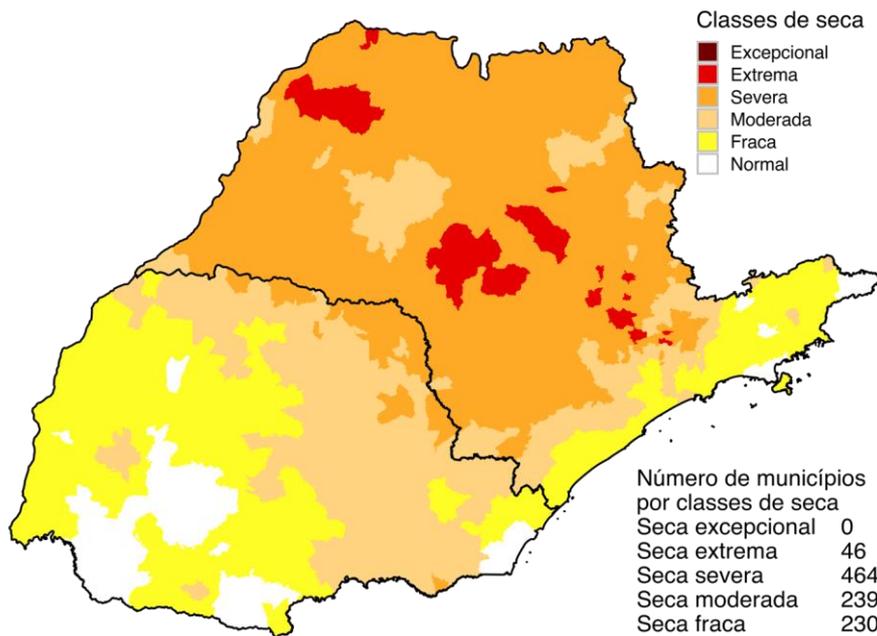
Fevereiro 2024
Índice Padronizado de Precipitação (SPI, 6 meses)
Dados: CPTEC/INPE / Preparação: Cemaden/MCTI



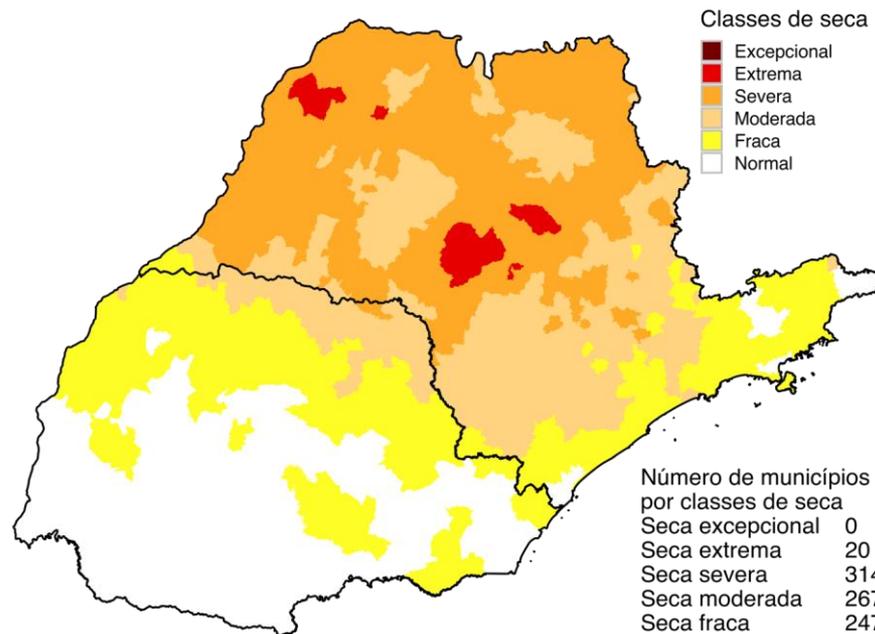
ÍNDICE INTEGRADO DE SECA - IIS

(SPI3 E 6 + VHI + AUS): JANEIRO/2024

IIS 3 MESES

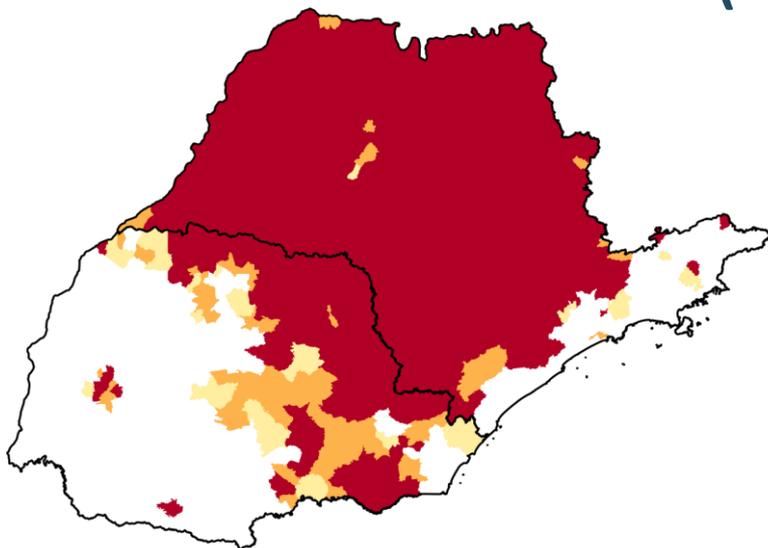


IIS 6 MESES

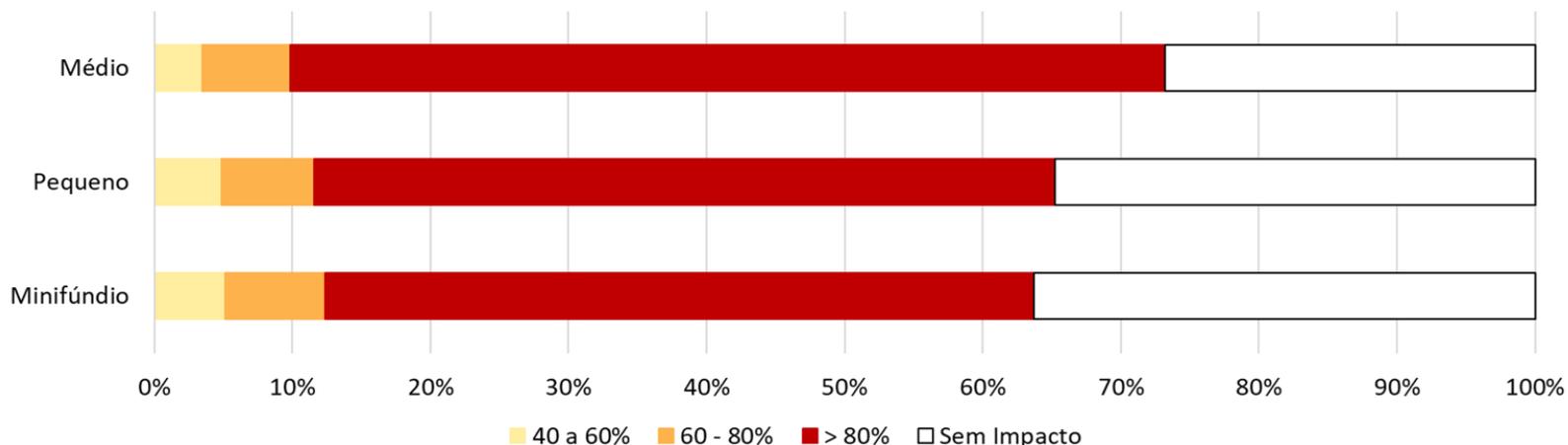




ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA (IIS-03 FEV/24)

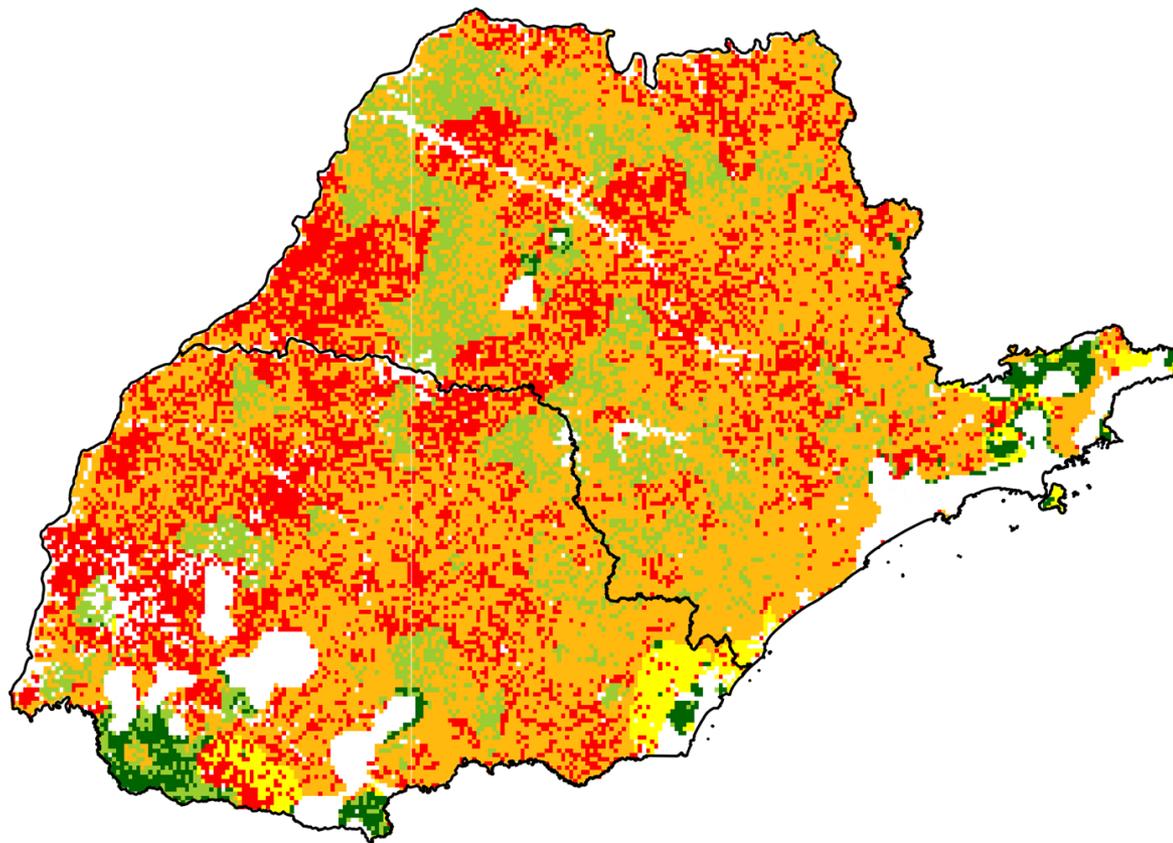


UF	40 a 60%	60 - 80%	> 80%
PR	20	33	117
SP	8	11	560



Fonte: Estimativa a partir dos dados do Cadastro Ambiental Rural para minifúndios, pequenas e médias propriedades e IIS-3, Desenvolvimento e Processamento (CEMADEN).

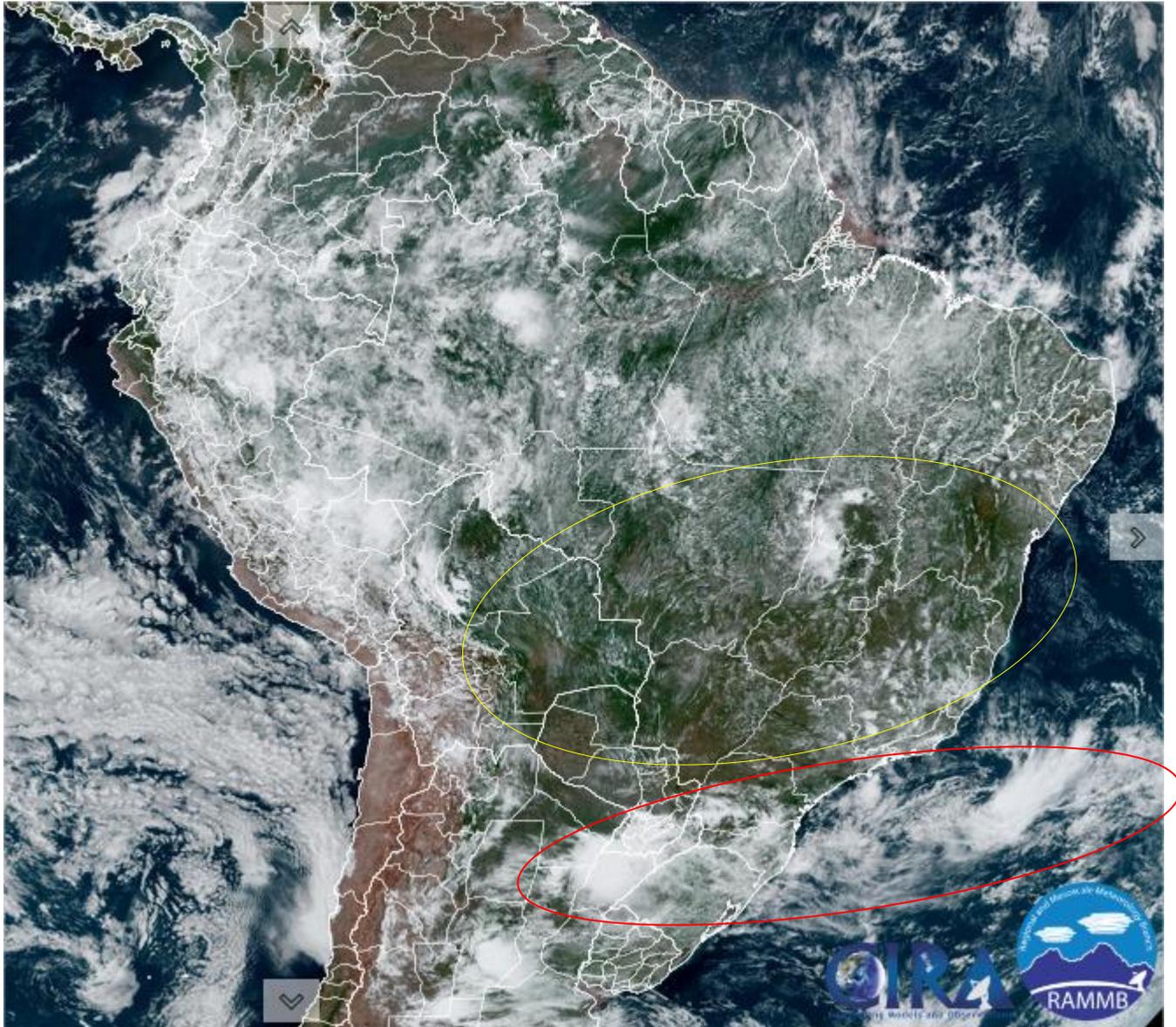
PROGRESSÃO INCREMENTAL DAS CONDIÇÕES DE SECA (PICS) FEVEREIRO 2024



Condição da seca

 Condição normal	 Atenção - déficit de chuva e umidade do solo (SPI ↓ & US ↓)	 Stress vegetativo & tendência de melhora na chuva (VHI ↓ & SPI ↑)
 Observação - chuva abaixo da média (SPI ↓)	 Alerta - chuva abaixo da média e stress vegetativo (SPI ↓ & VHI ↓)	 Em recuperação (SPI ↑)

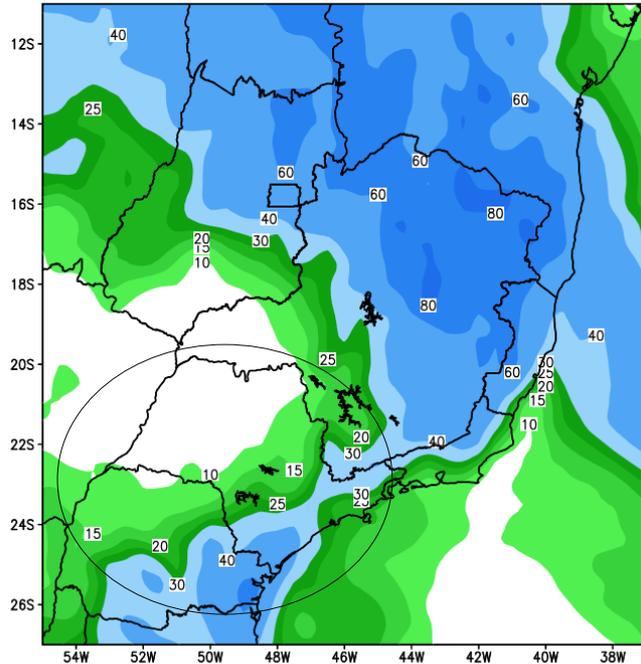
Situação meteorológica atual



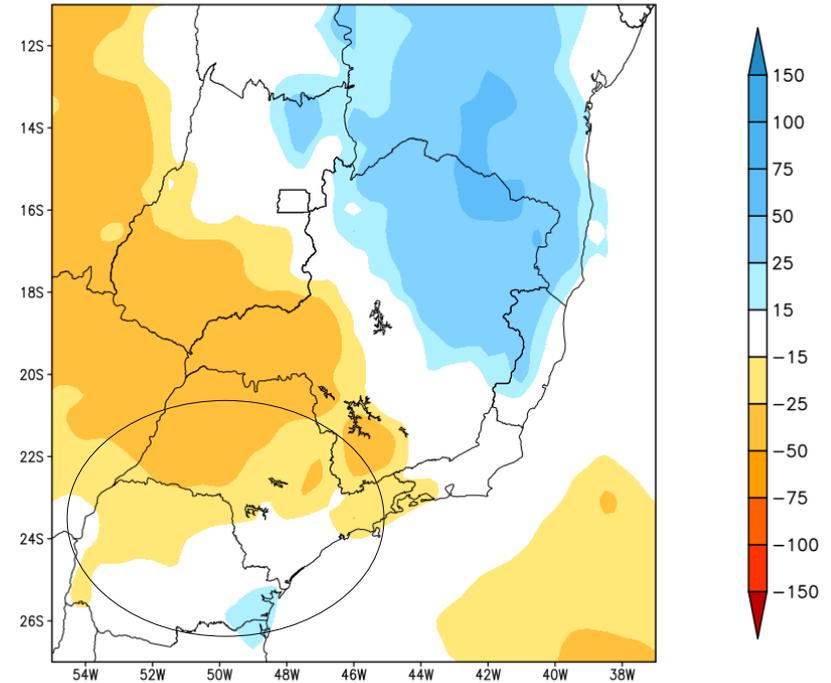


Previsão de chuva próximos 7 dias

GEFS / BRASIL_SE
Precipitação acumulada 1aSem (mm)
Previsão das 00Z dia 29/02/2024



Anomalia de Precipitação BR_SE (mm)
Período: 2024022900 a 2024030700

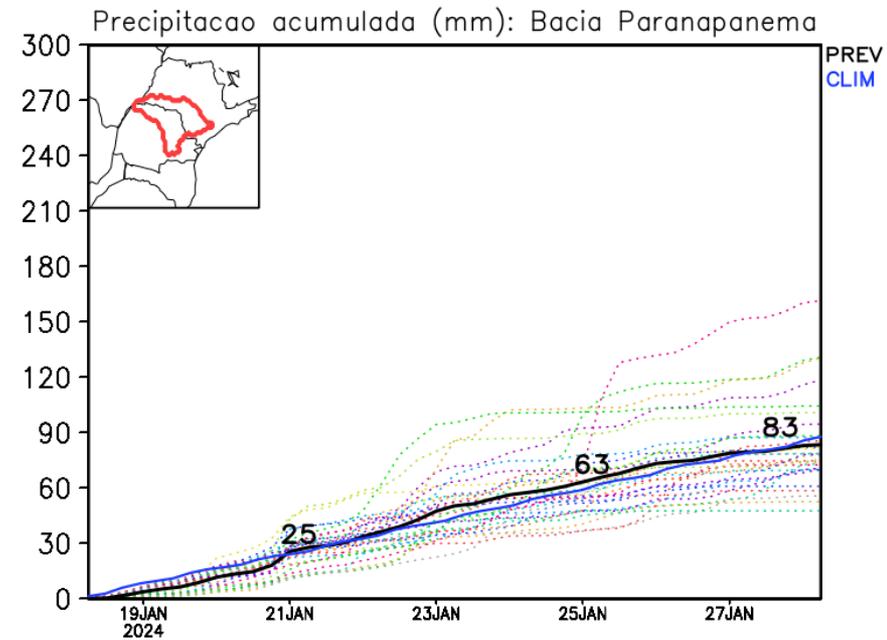
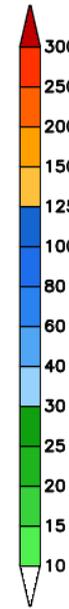
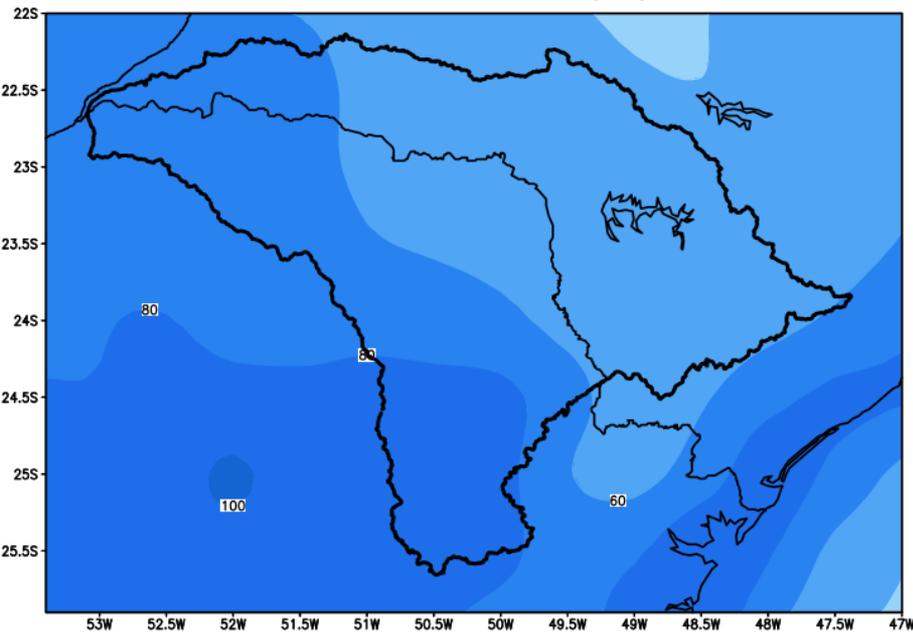


MODELO GFS



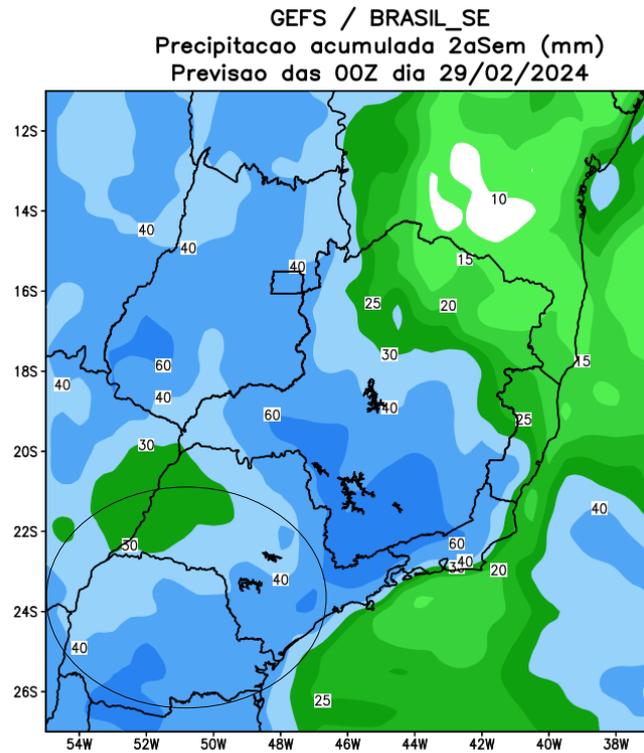
Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 18/01/2024

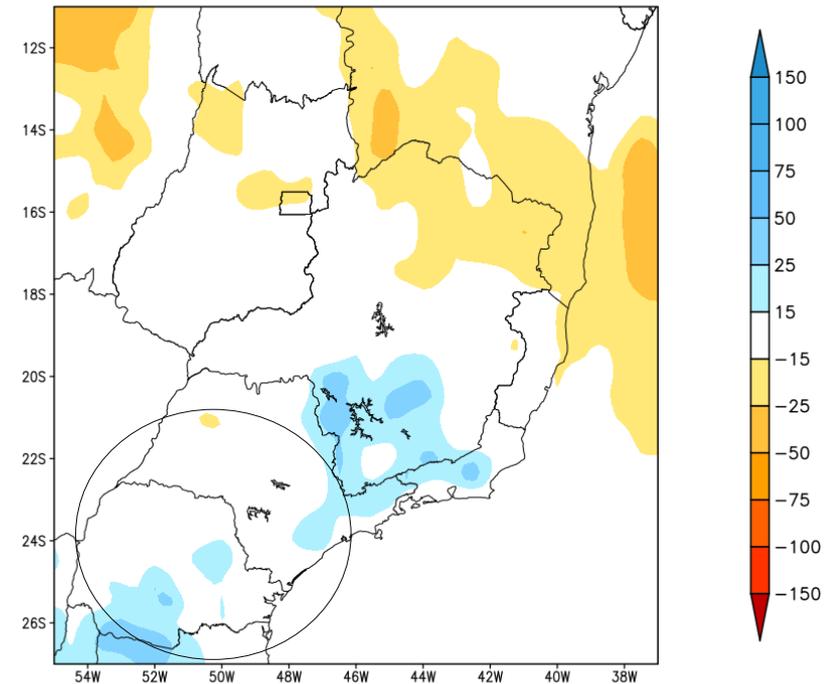




Tendência para a segunda semana



Anomalia de Precipitação BR_SE (mm)
Período: 2024030800 a 2024031400

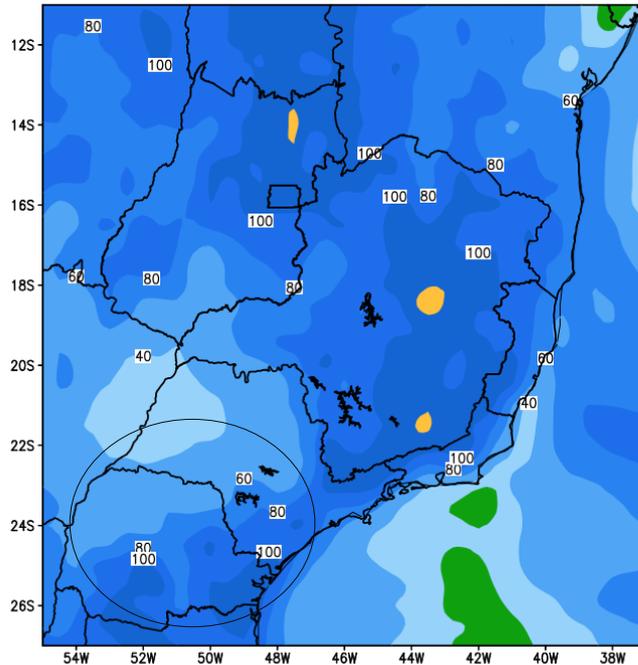


MODELO GFS

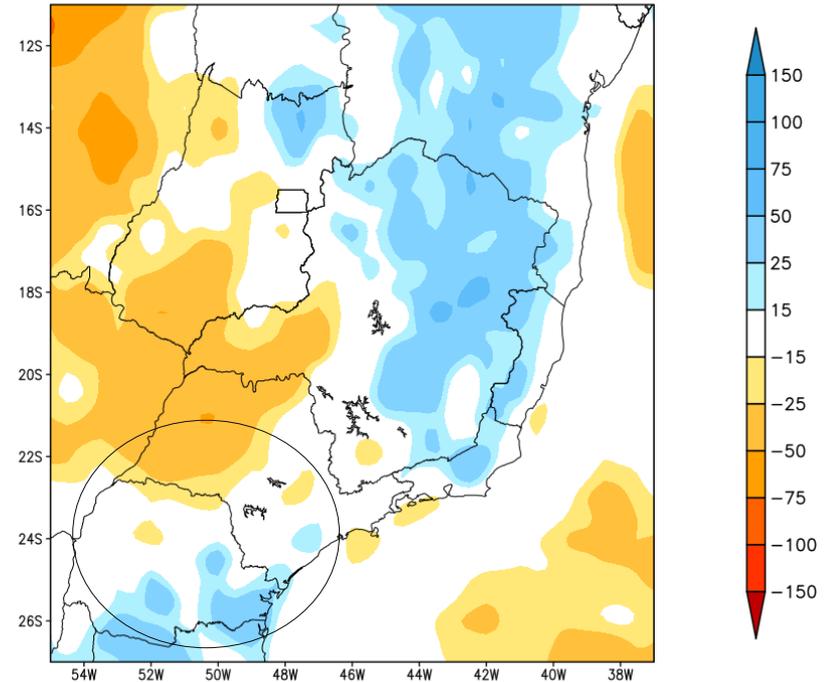


Tendência para as duas próximas semanas

GEFS / BRASIL_SE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 29/02/2024



Anomalia de Precipitacao BR_SE (mm)
Periodo: 2024022900 a 2024031400

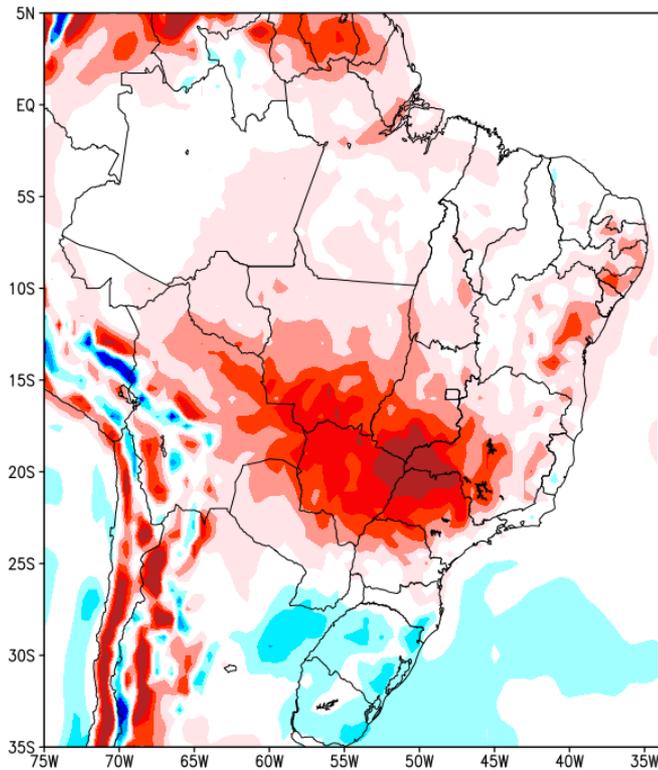


MODELO GFS

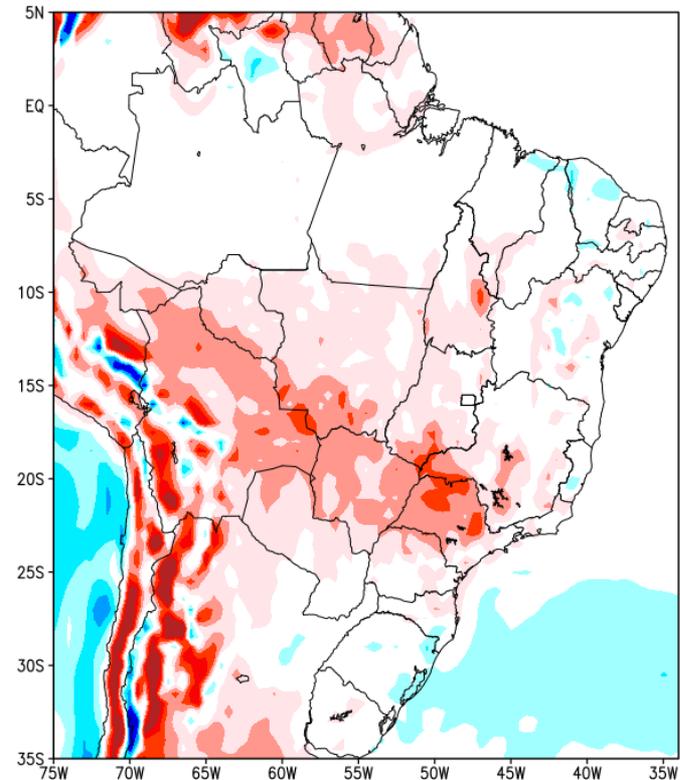


Previsão de Temperatura

Anomalia de Temperatura BR (C)
Período: 2024022900 a 2024030700

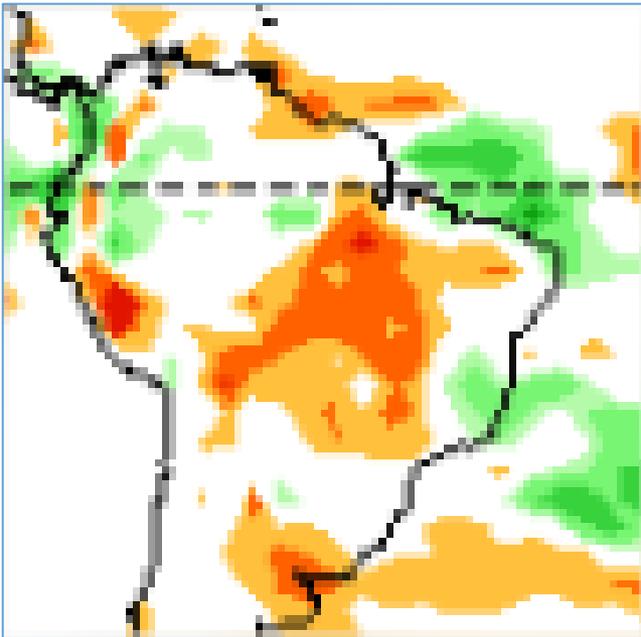


Anomalia de Temperatura BR (C)
Período: 2024030800 a 2024031400

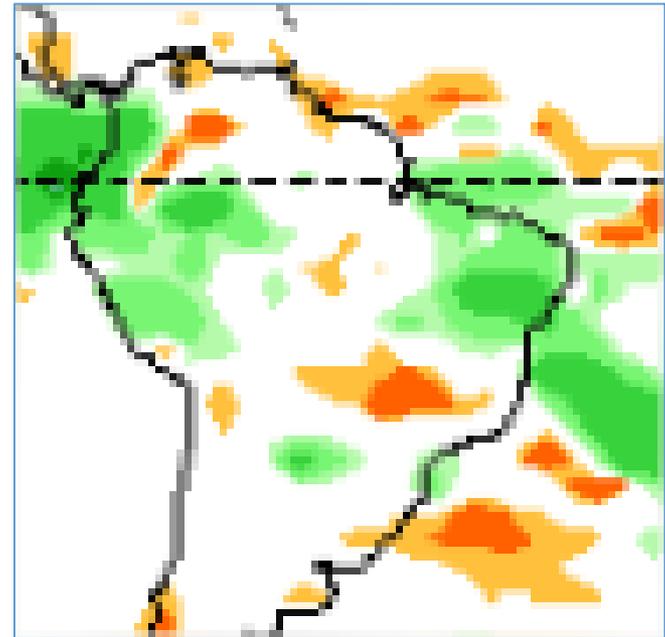


Tendência 3a e 4a semanas

13-19 MARÇO

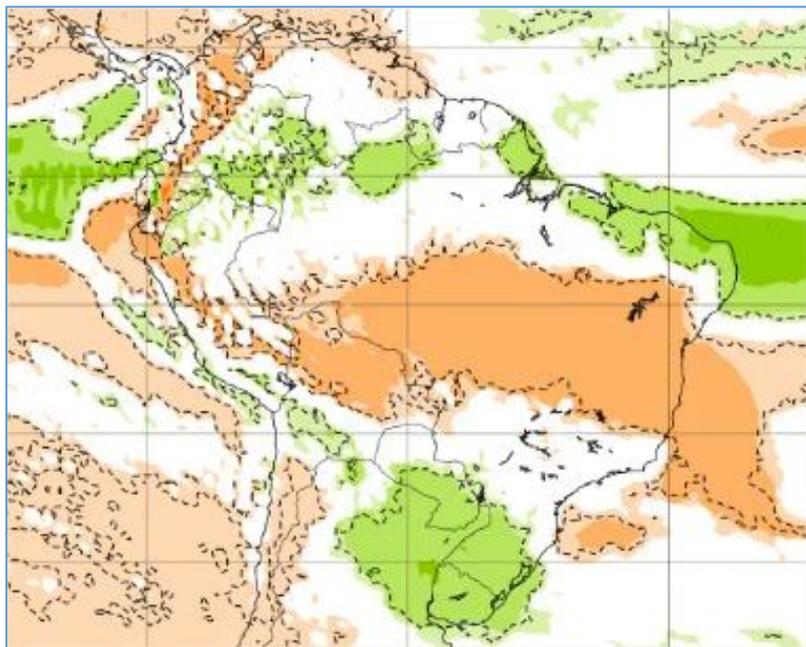


20-26 MARÇO

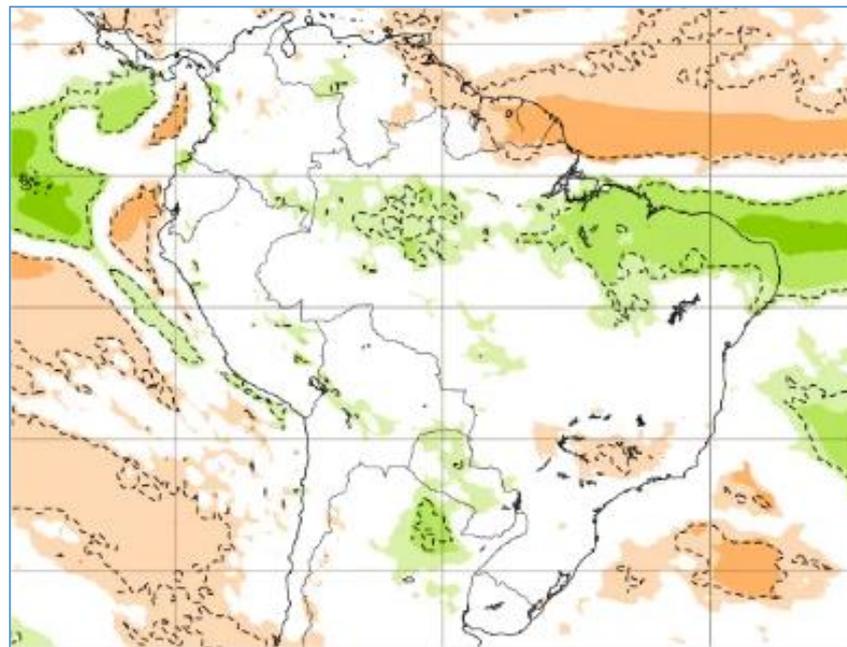


Tendência para 3^a e 4^a semanas

11-18 MARÇO

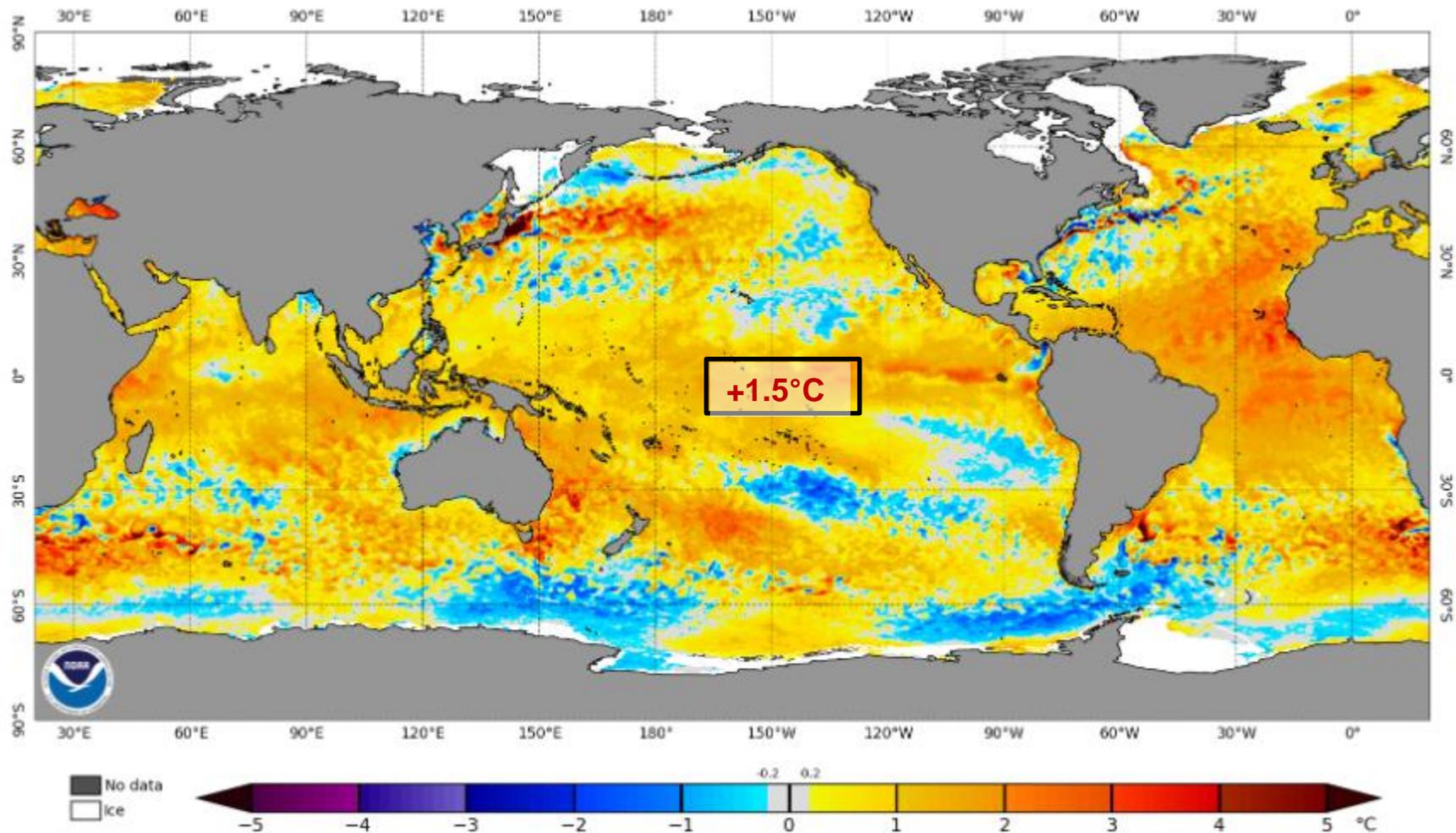


18-25 MARÇO

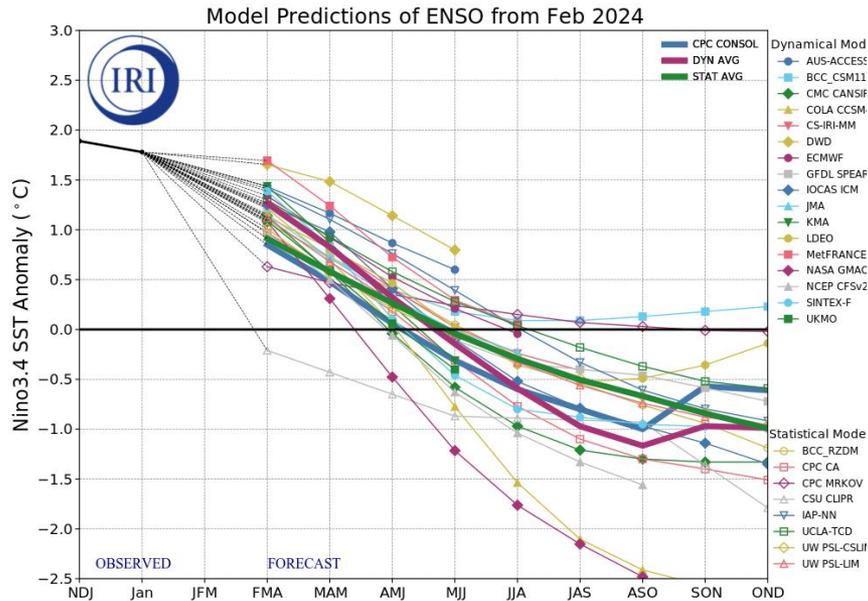


ENSO Alert System Status: **El Niño Advisory** / **La Niña Watch**

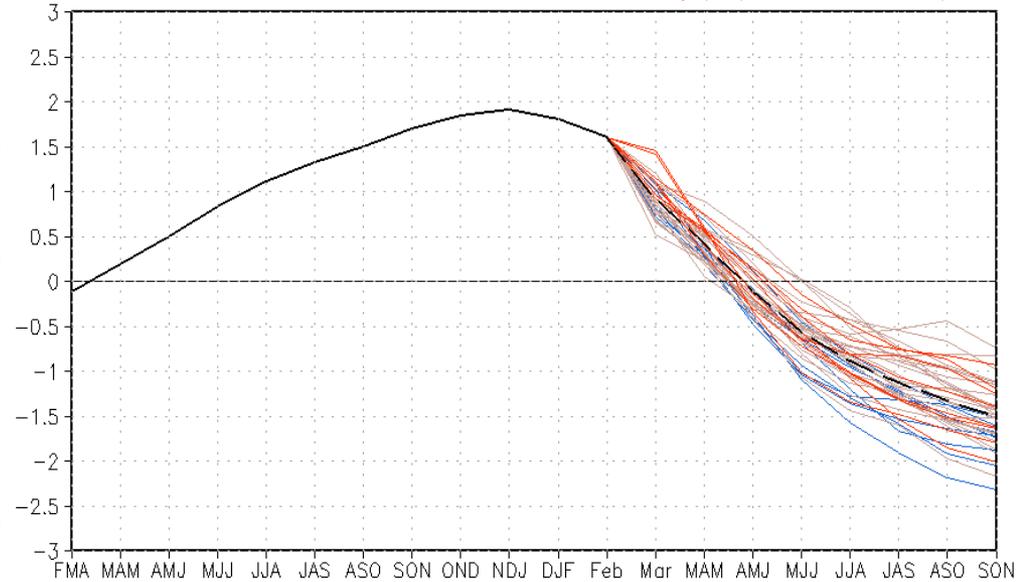
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 28 Feb 2024



Previsão do “ENSO”



CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



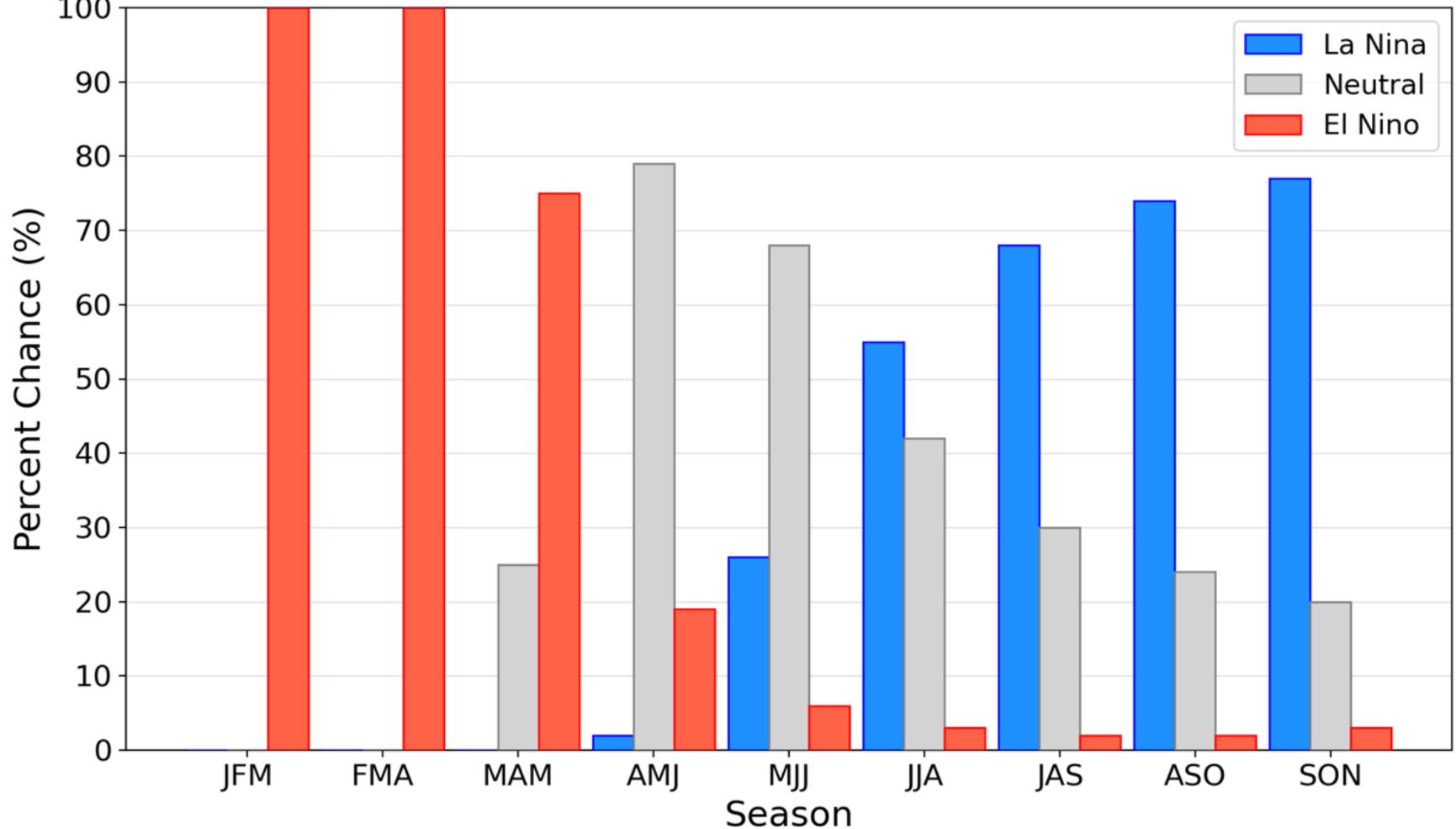
— Latest 8 forecast members
— Earliest 8 forecast members
— Other forecast members
— Forecast ensemble mean
— NCEI OIv2.1 daily analysis
 (Climatology base period: 1991–2020)

Atualizado 26 de fevereiro

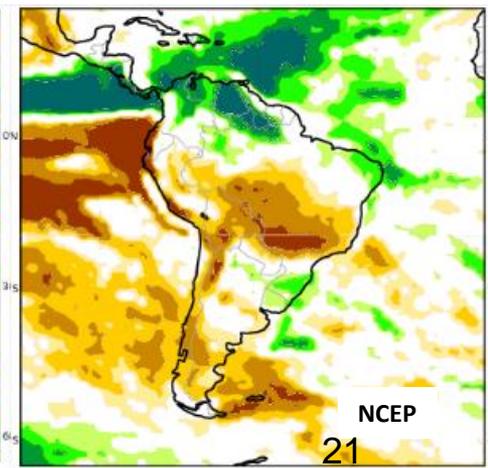
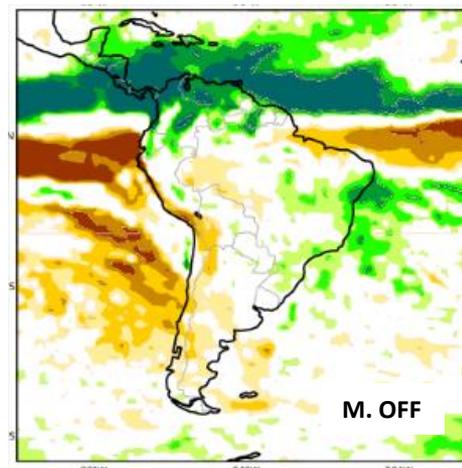
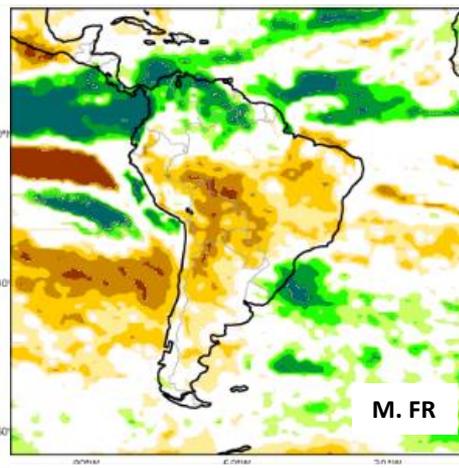
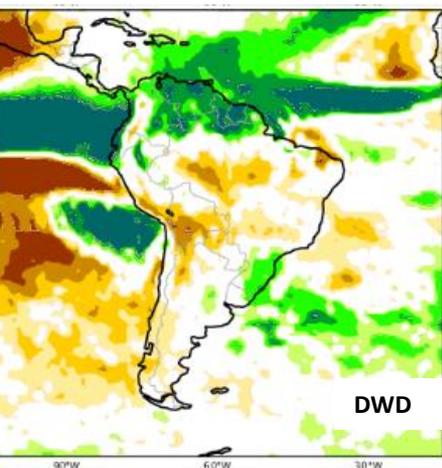
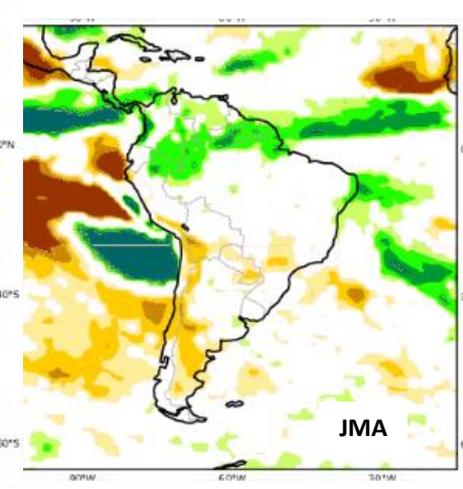
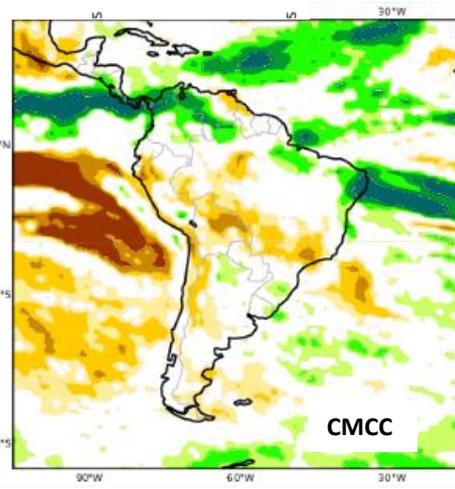
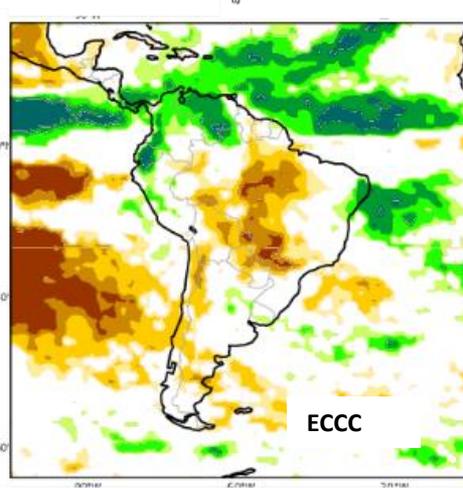
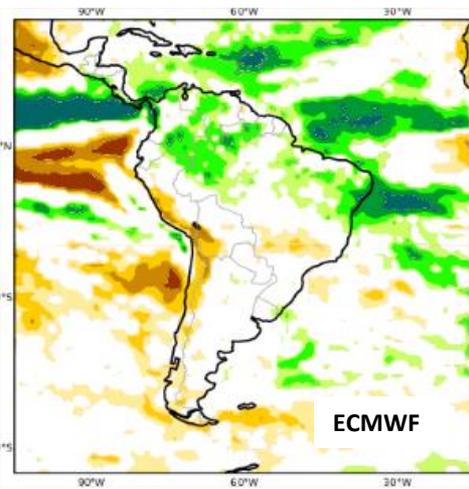
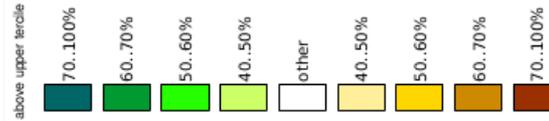
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued Feb. 2024)

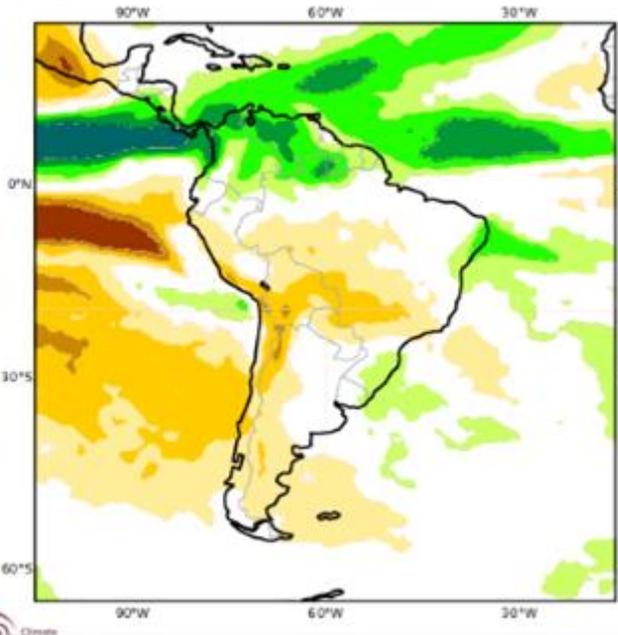
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



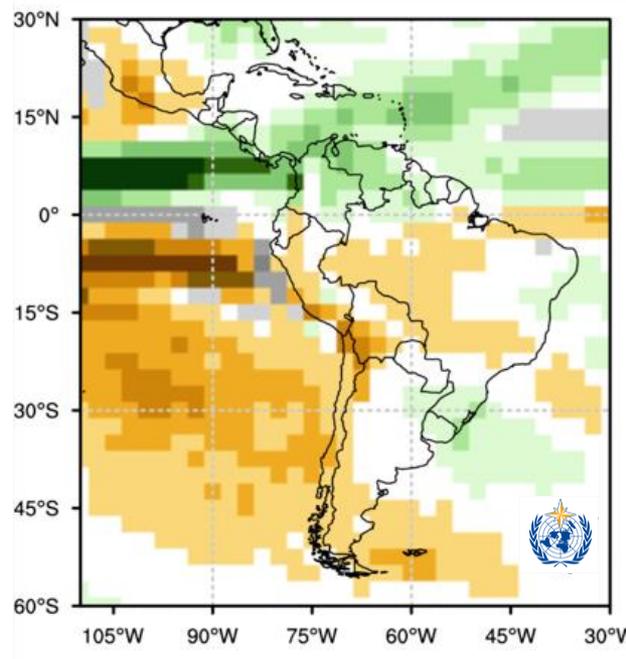
Previsão Sazonal de Chuva MAM



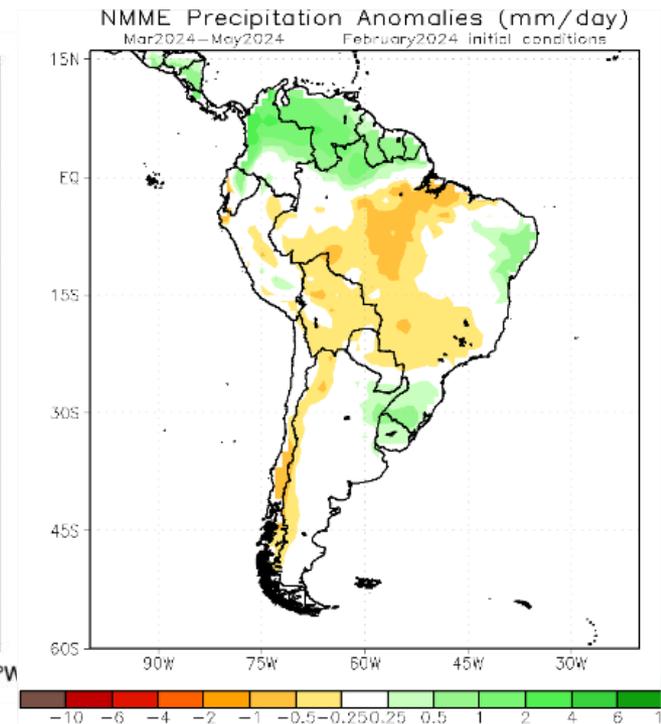
Previsão Sazonal de Chuva Multi-Modelo para MAM



Modelos Europeus



Modelos da Organização Meteorológica Mundial



Modelos Americanos