

Monitoramento e Previsões de chuva para a Bacia do Rio Paranapanema

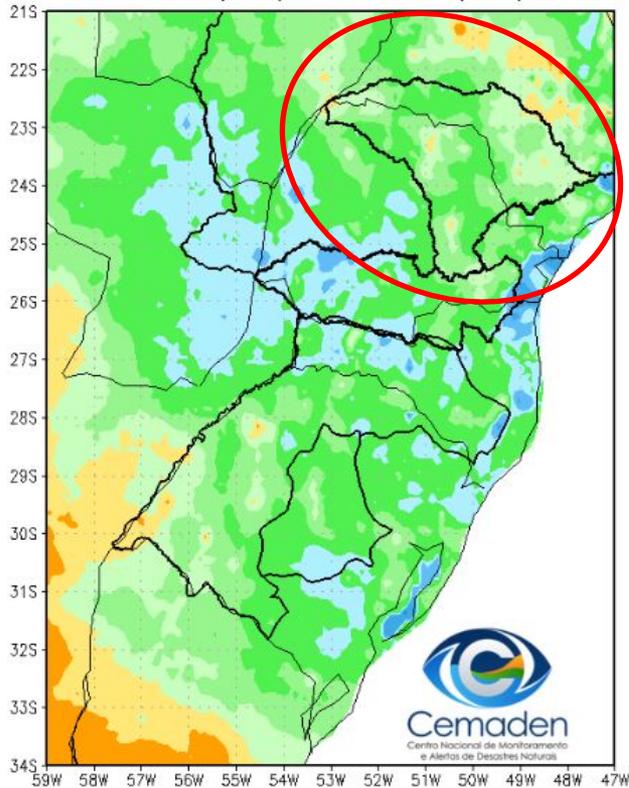


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

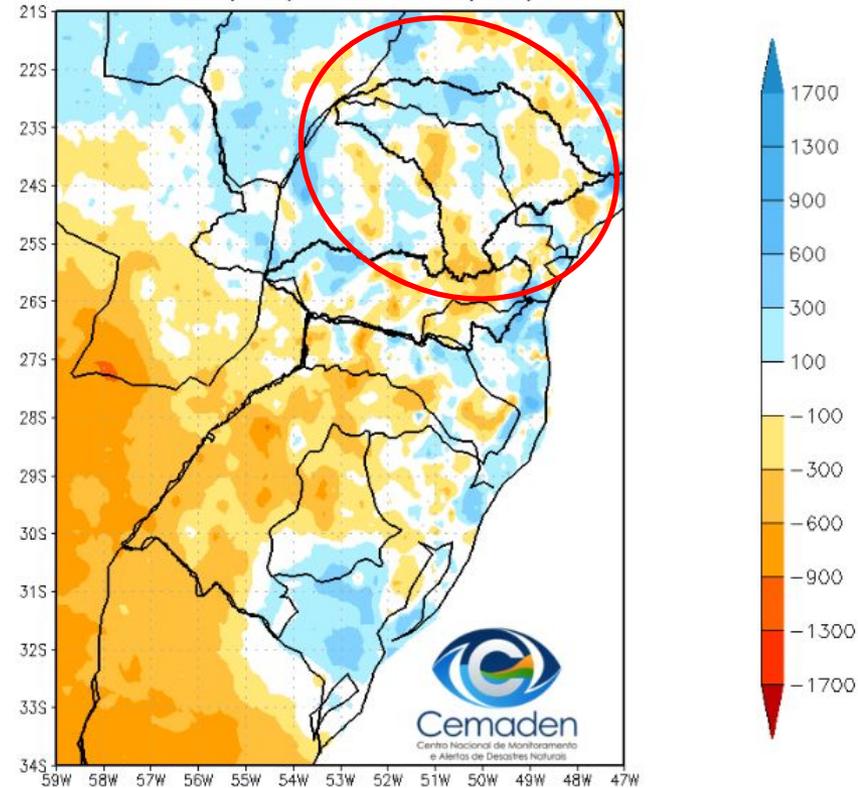
28 de Setembro de 2023

Precipitação acumulada Ano Hidrológico

Precipitação Acumulada (mm) A.S.
Período: 01/10/2022 a 27/09/2023

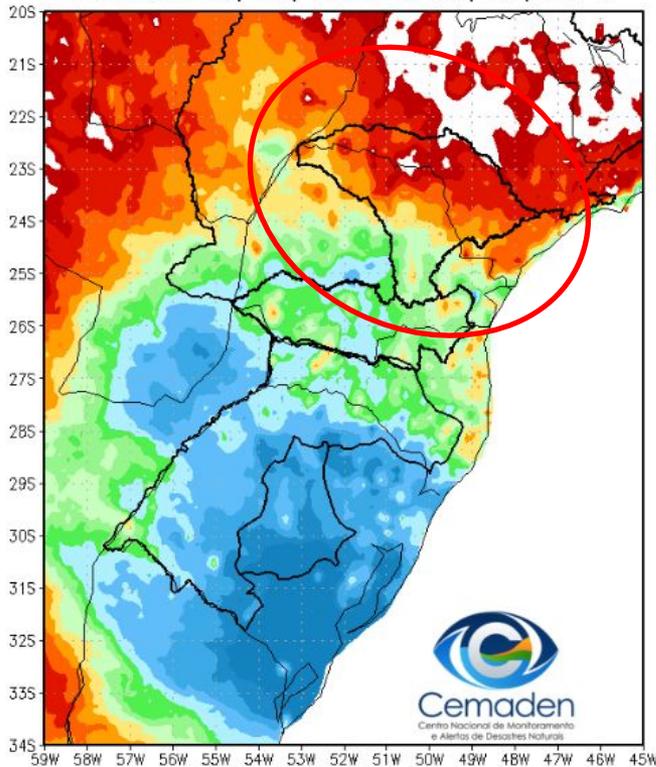


Anomalia de Precipitação (mm) A.S.
Período: 01/10/2022 a 27/09/2023

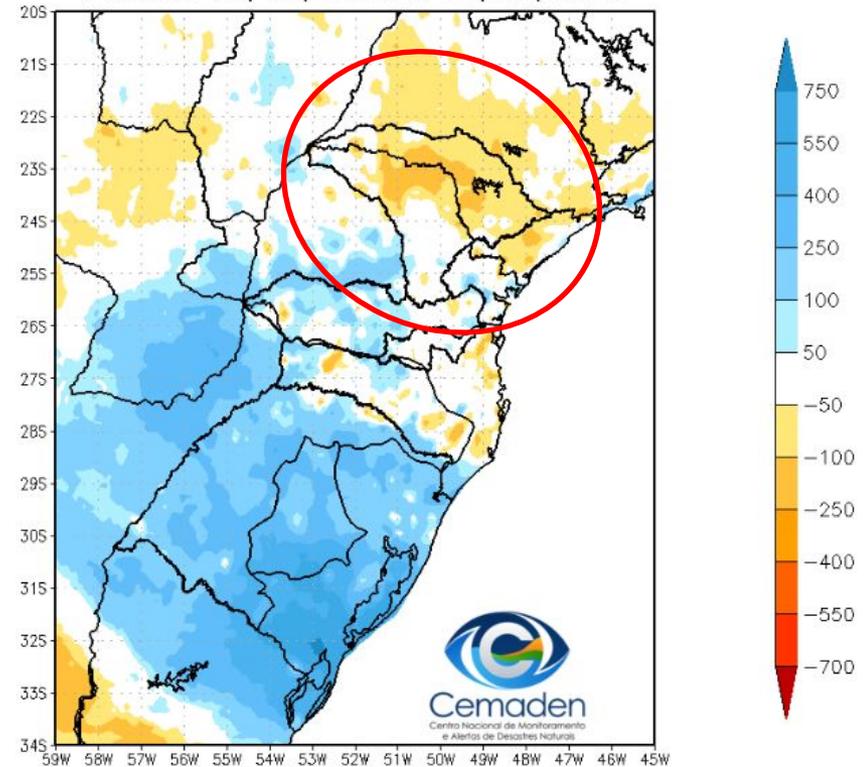


Precipitação acumulada JULHO-AGOSTO-SETEMBRO

Precipitação Acumulada (mm) A.S.
Período: 29/06/2023 a 27/09/2023

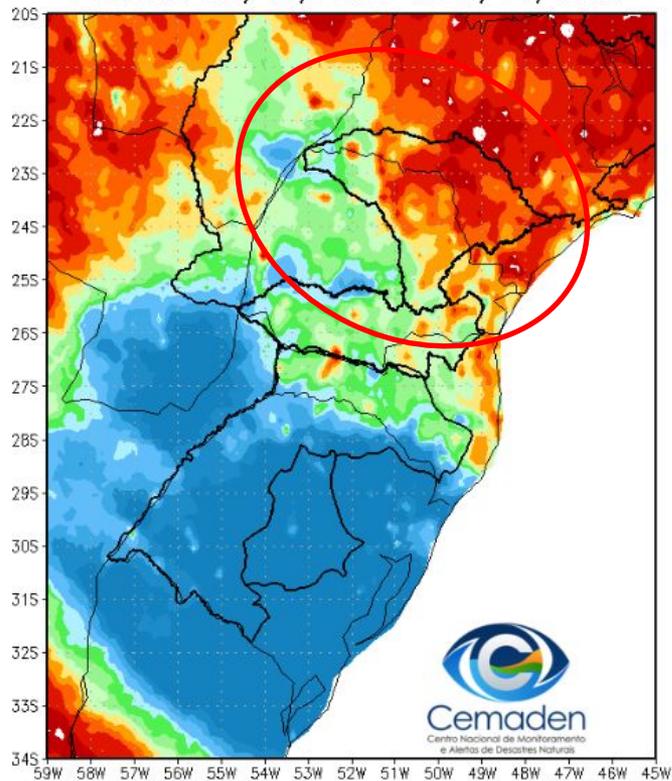


Anomalia de Precipitação (mm) A.S.
Período: 29/06/2023 a 27/09/2023

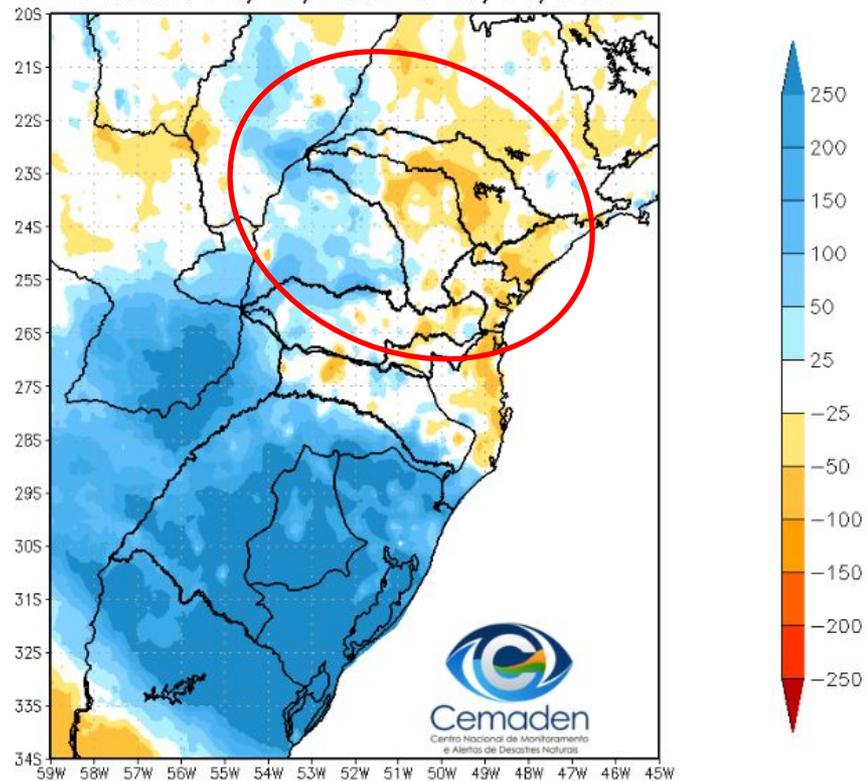


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 28/08/2023 a 27/09/2023



Anomalia de Precipitação (mm) A.S.
Período: 28/08/2023 a 27/09/2023



Monitoramento da situação da seca na bacia do rio Paranapanema

DIAGNÓSTICO: SETEMBRO/2023



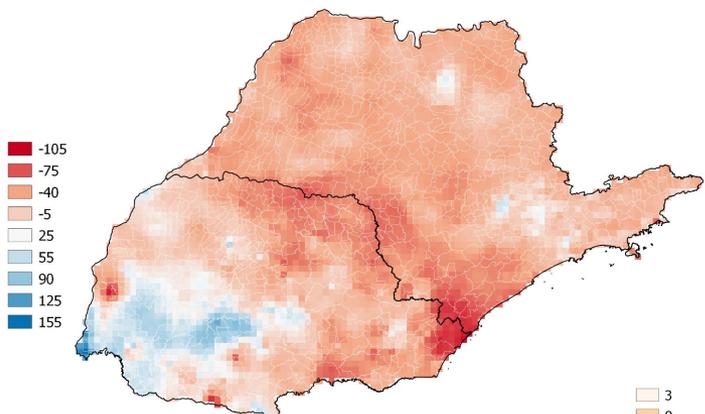
MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES



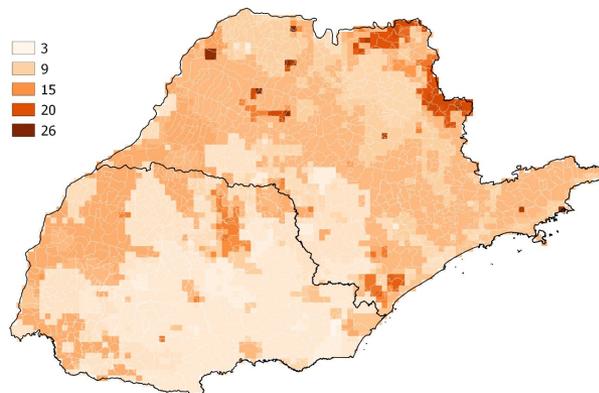


PRECIPITAÇÃO: SETEMBRO 2023 (ATÉ 26/07)

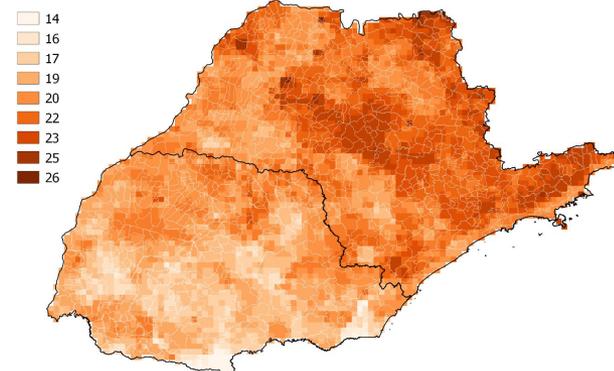
Anomalia (mm)



Máximo de dias consecutivos sem chuva



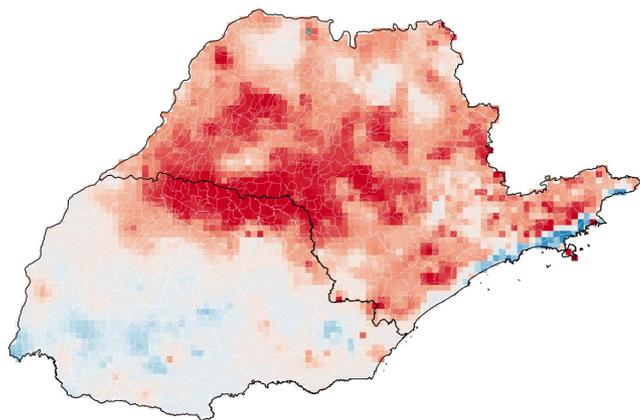
Total de dias sem chuva



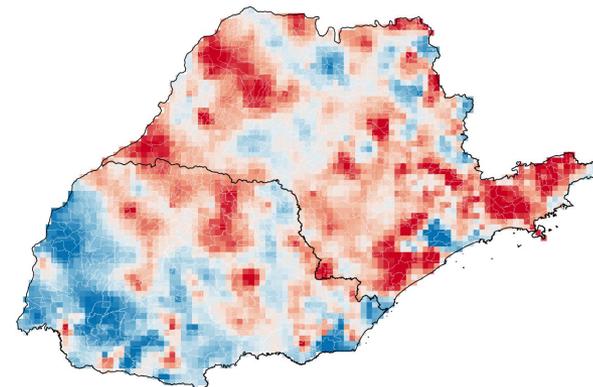


SPI: SETEMBRO 2023

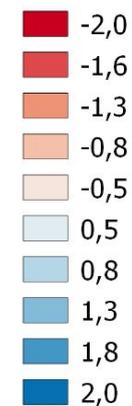
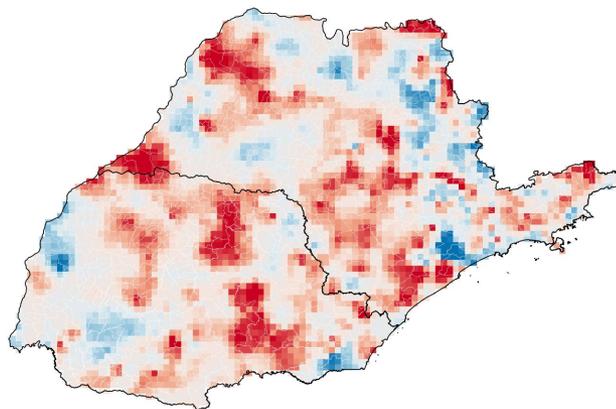
SPI03



SPI24



SPI12

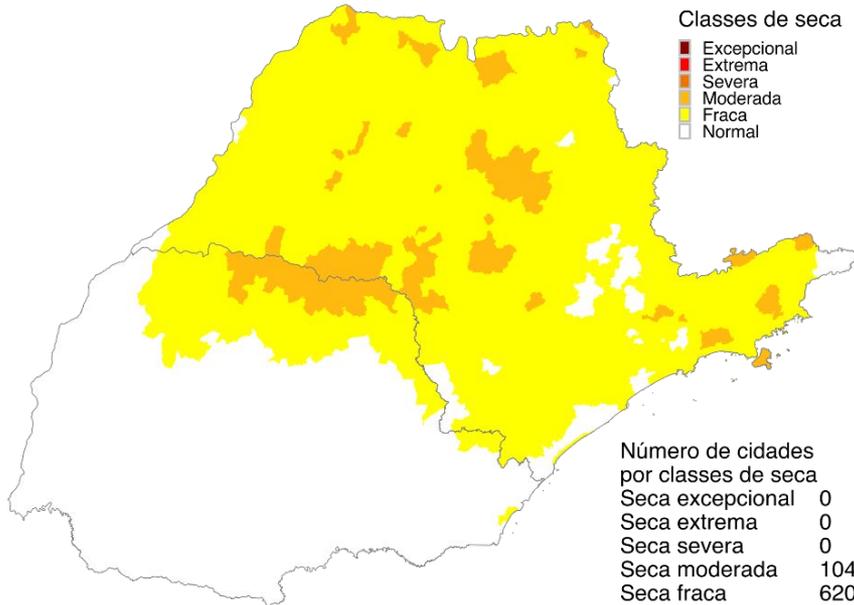




ÍNDICE INTEGRADO DE SECA - IIS

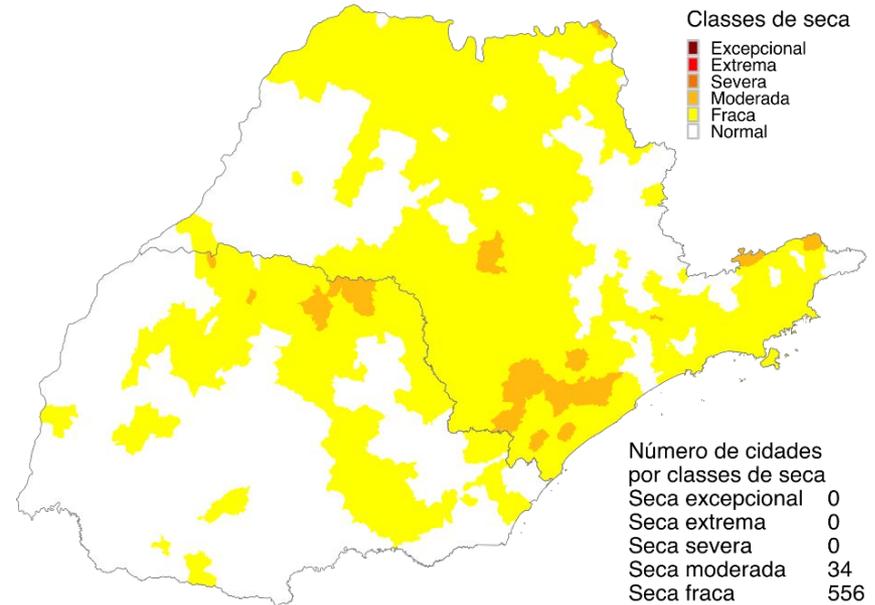
(SPI3 E 6 + VHI + AUS): AGOSTO/2023

IIS 3 MESES



Setembro 2023
Índice Integrado de Seca (SPI3, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

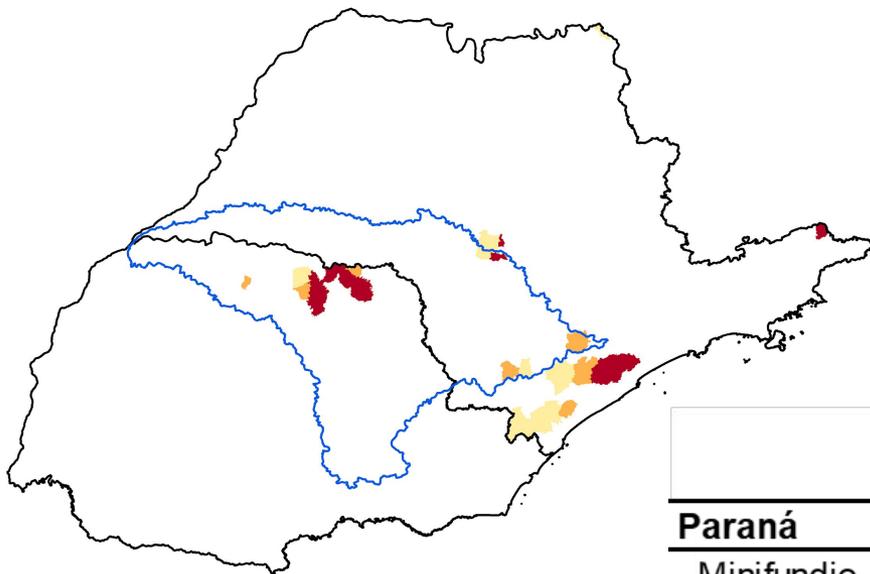
IIS 6 MESES



Setembro 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

SETEMBRO (PARCIAL)/23

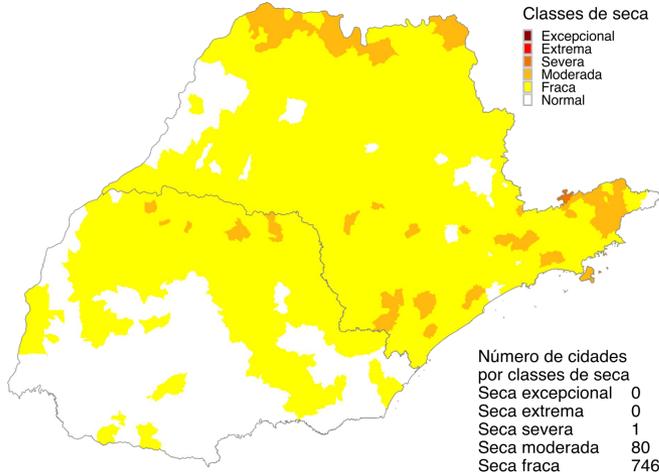


UF	40 a 60%	60 - 80%	> 80%
PR	1	3	9
SP	7	4	5

	40 a 60%	60 - 80%	> 80%
Paraná			
Minifundio	418 (*)	916 (*)	3264 (1%)
Pequena Propriedade	430 (*)	684 (1%)	2130 (2%)
Media Propriedade	132 (*)	161 (1%)	398 (1%)
São Paulo			
Minifundio	3128 (2%)	2638 (1%)	1181 (1%)
Pequena Propriedade	1979 (2%)	1210 (1%)	716 (1%)
Media Propriedade	654 (2%)	320 (1%)	238 (1%)

(*) Percentagem inferior a 1%.

CHUVA 30% ACIMA DA MÉDIA



Outubro 2023
Índice Integrado de Seca (SPI6, VHI, US)
Cenário: Chuva +30%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

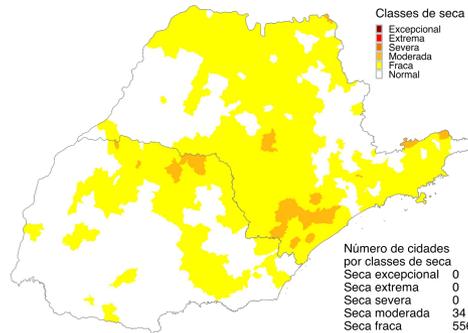
Outubro/23

IIS



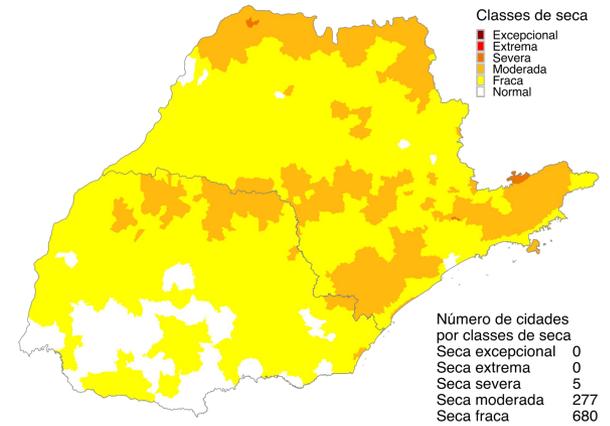
IIS OBSERVADO (IIS6)

Setembro/23



Setembro 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

CHUVA 30% ABAIXO DA MÉDIA

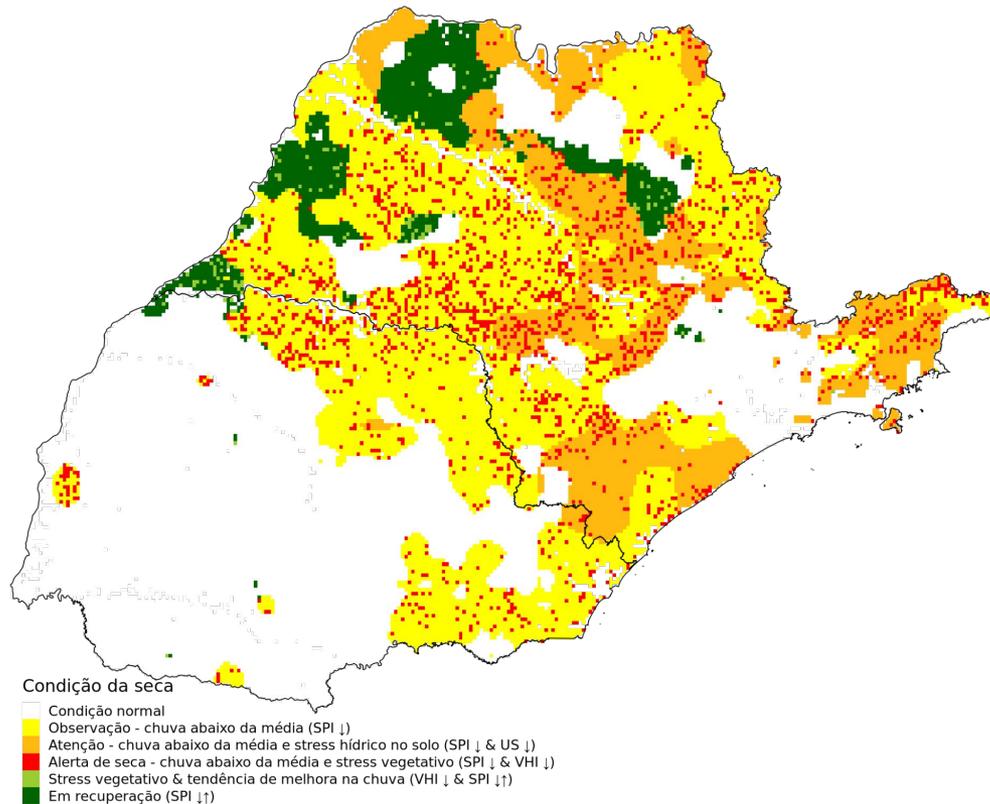


Outubro 2023
Índice Integrado de Seca (SPI6, VHI, AUS)
Cenário: Chuva -30%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

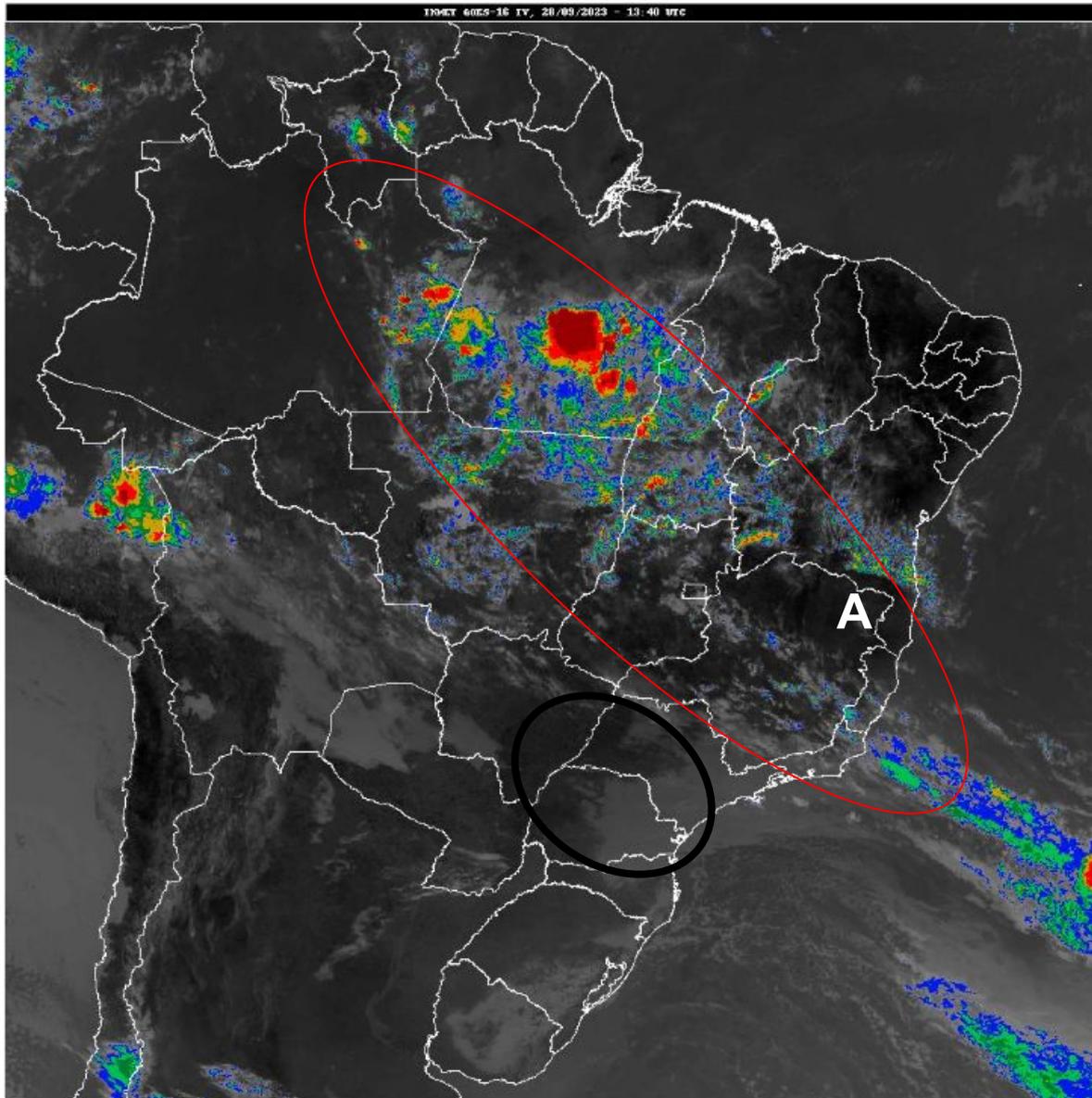


PROGRESSÃO DAS CONDIÇÕES DE SECA SETEMBRO 2023 (ATÉ 28/09)

Propagação das Condições de Seca
Setembro 2023



Situação meteorológica atual

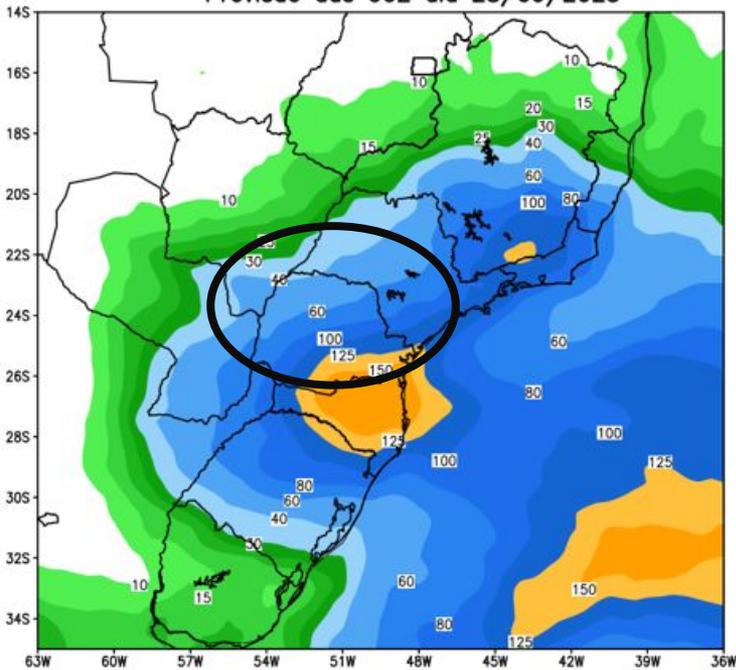


Fonte: INMET

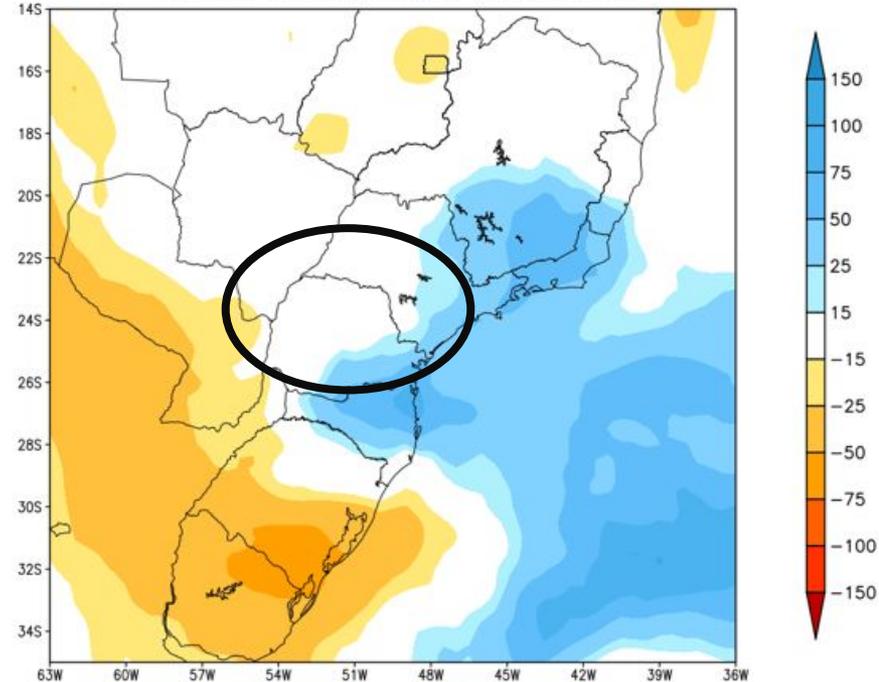


Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 14 dias (mm)
Previsao das 00Z dia 28/09/2023



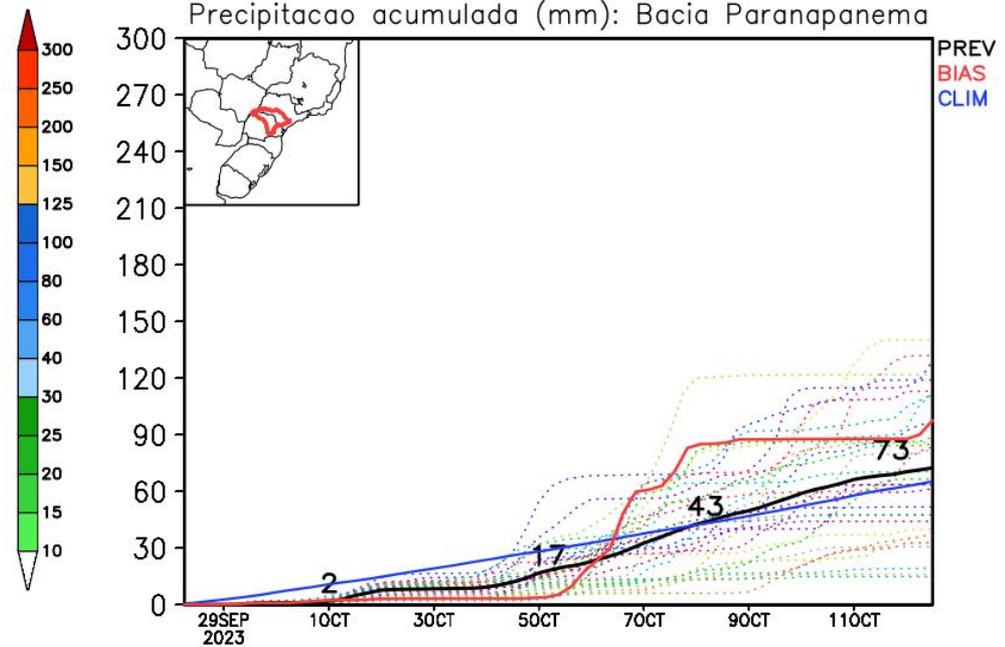
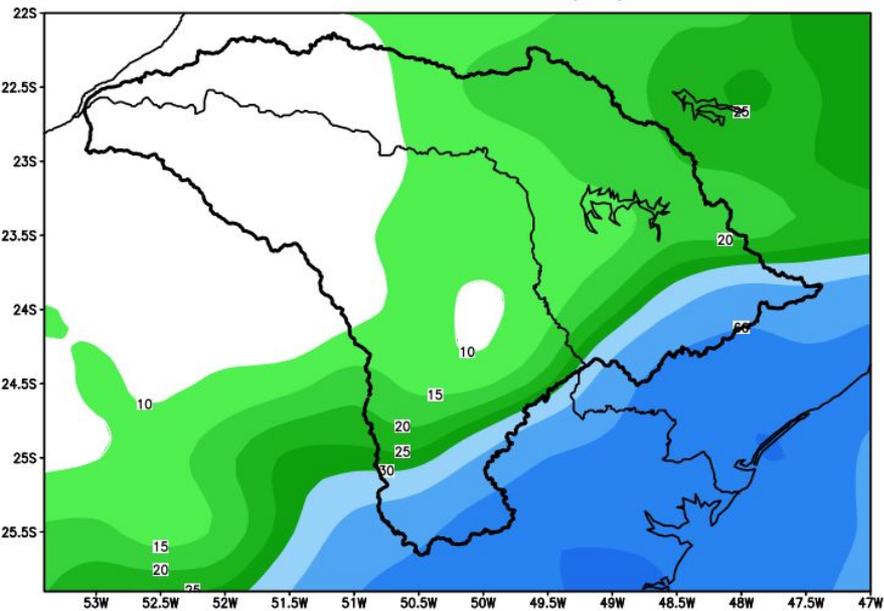
Anomalia de Precipitacao BR SUL (mm)
Periodo: 2023092800 a 2023101200



MODELO GFS

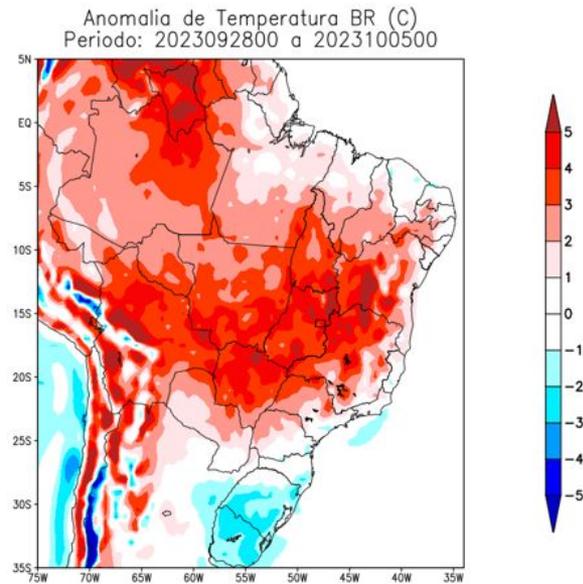
Previsão para a bacia do rio Paranapanema

GEFS_BC / Bacia do Rio Paranapanema
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 28/09/2023

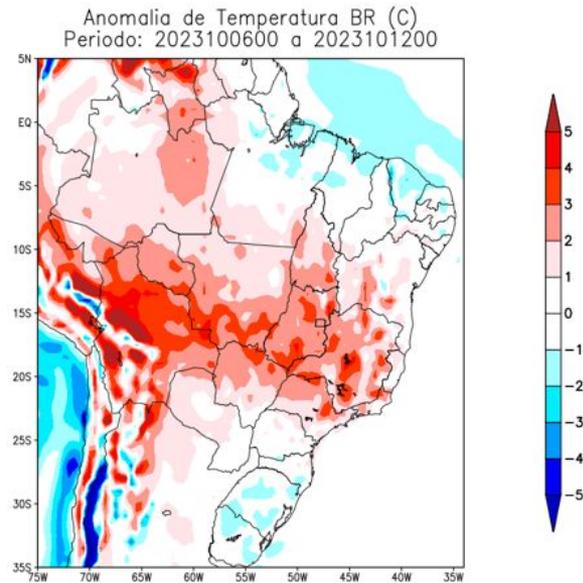


Previsão de Temperatura

28 SET - 05 OUT

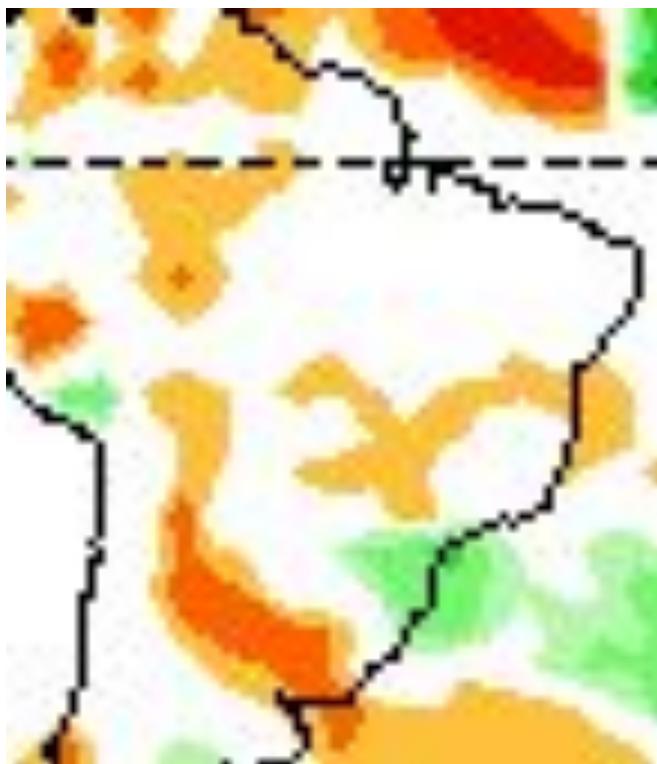


06 OUT - 12 OUT

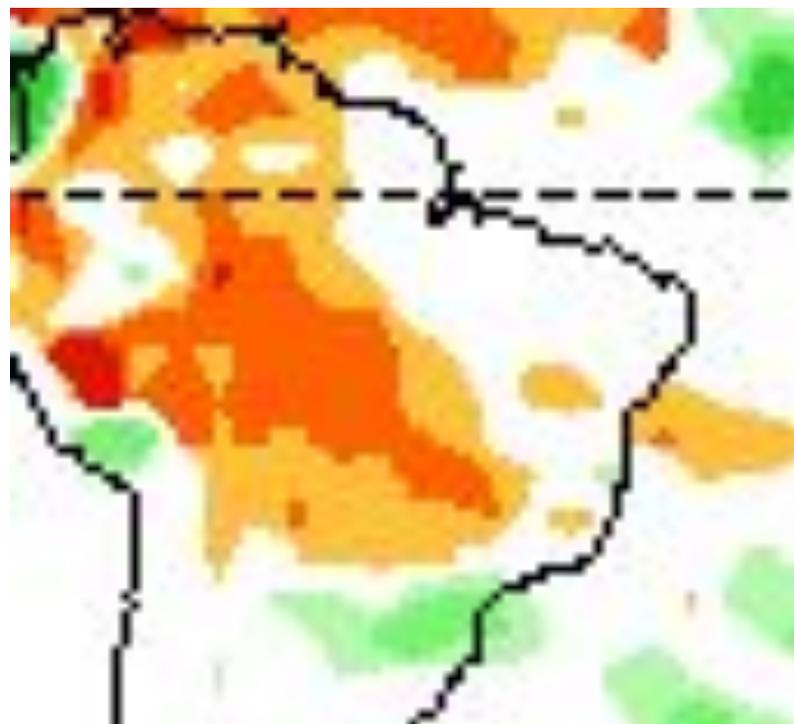


Tendência 3a e 4a semanas

12 - 18 OUTUBRO



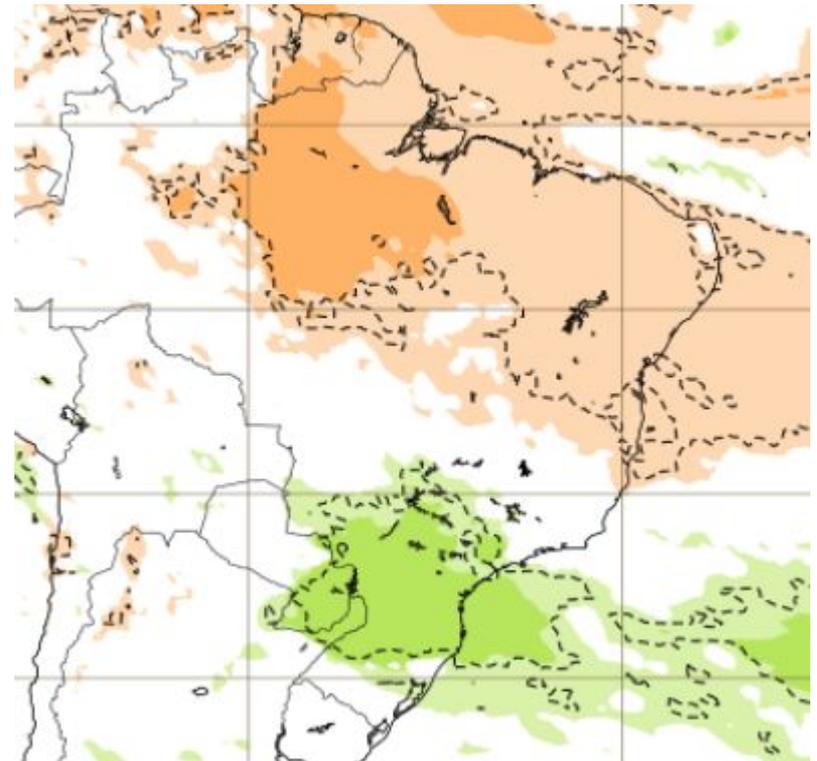
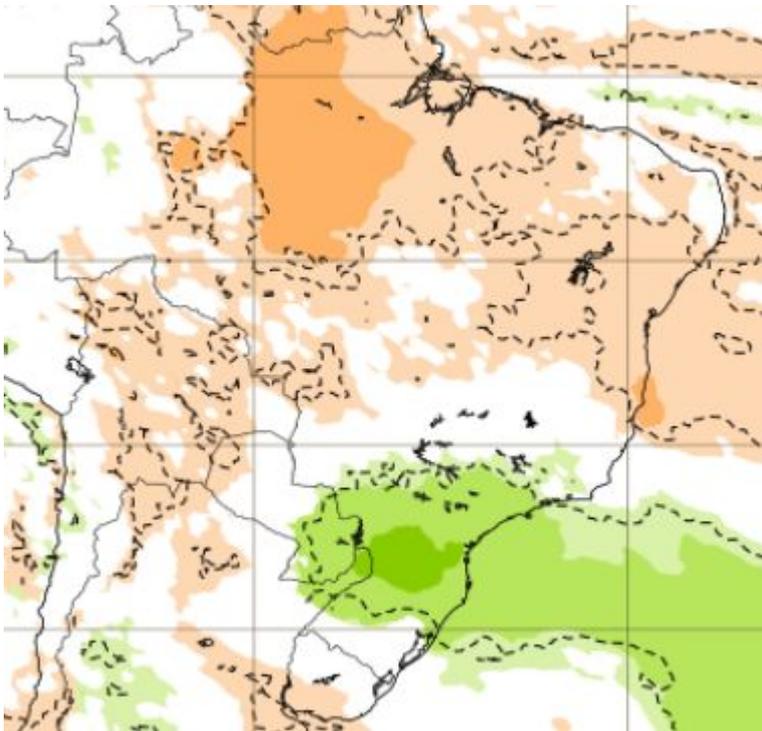
19 - 25 OUTUBRO



Tendência para 3ª e 4ª semanas

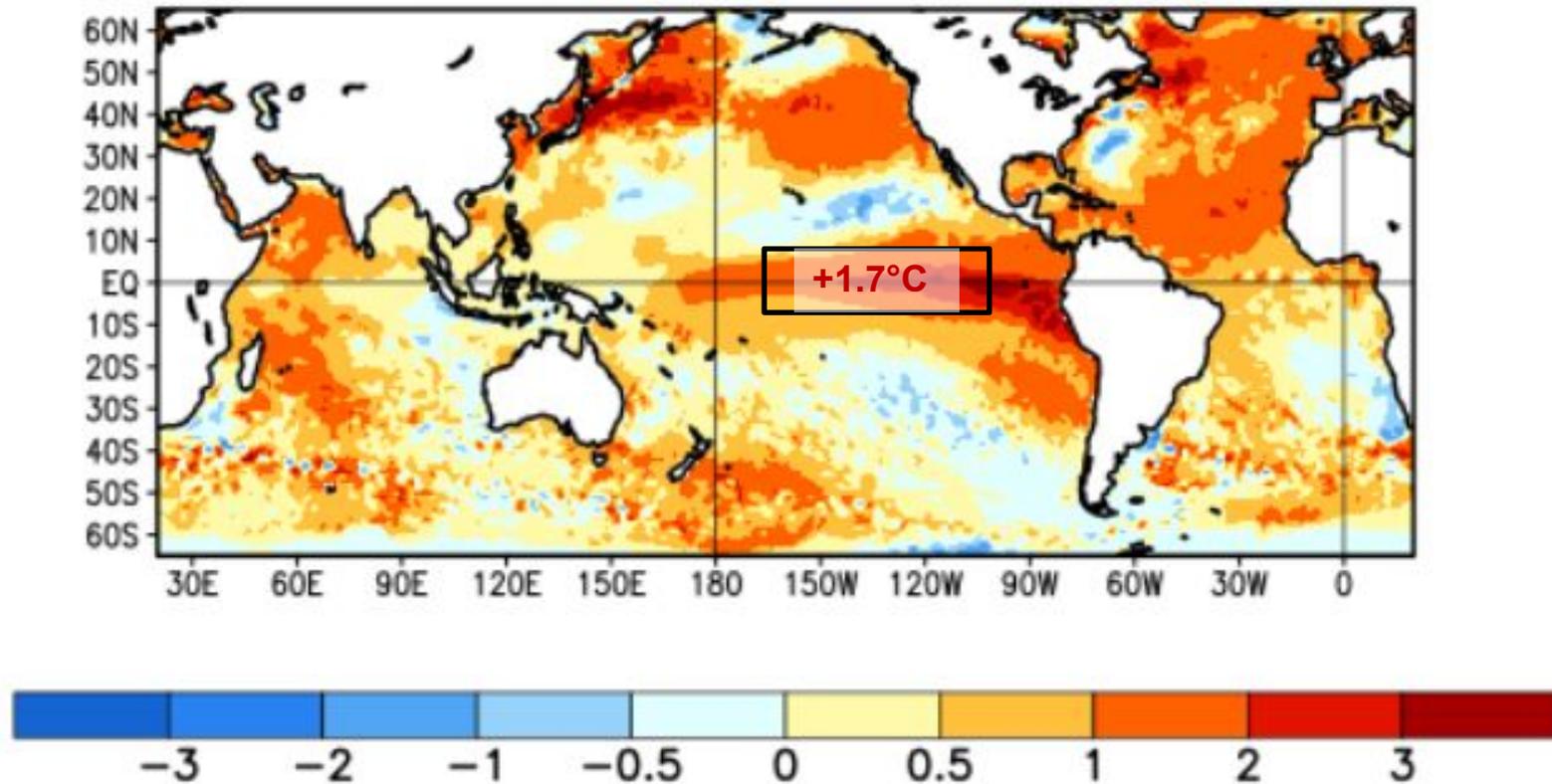
09-15 OUTUBRO

16-23 OUTUBRO



Status Atual: **El Niño**

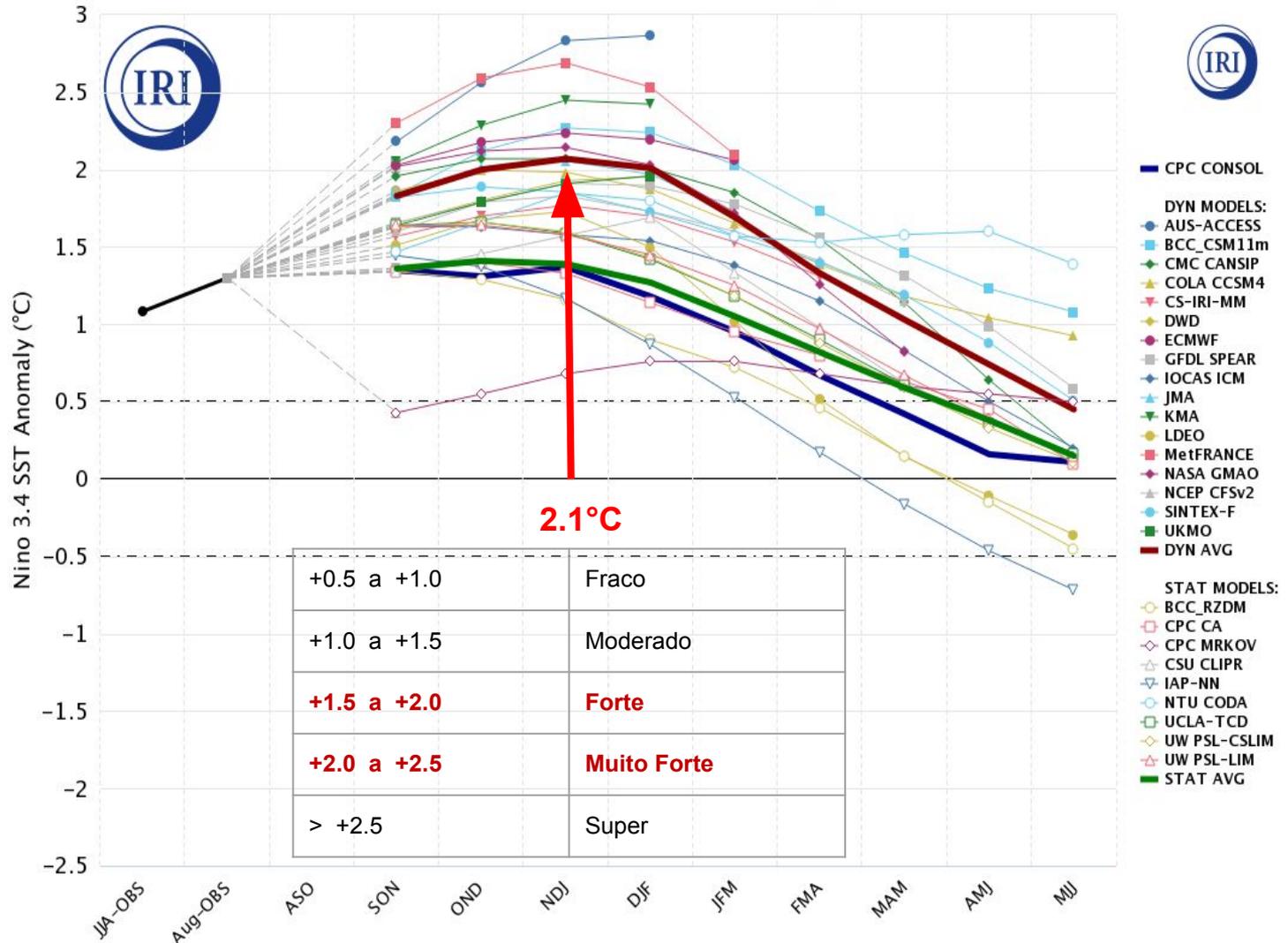
Average SST Anomalies
27 AUG 2023 – 23 SEP 2023



Previsão do “ENSO”

Forte/Muito Forte

Model Predictions of ENSO from Sep 2023

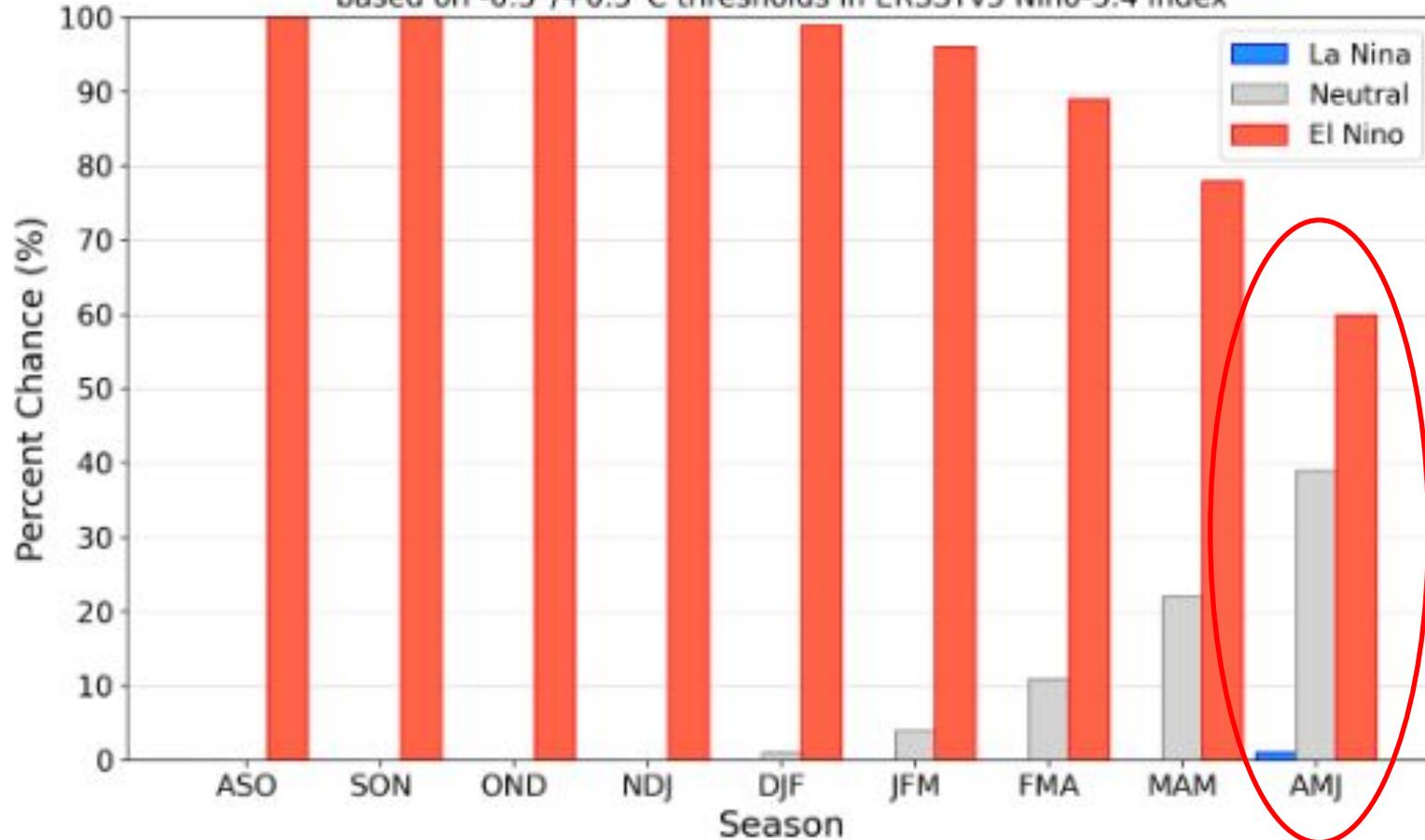


Atualizado 25 de setembro

Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued Sep. 2023)

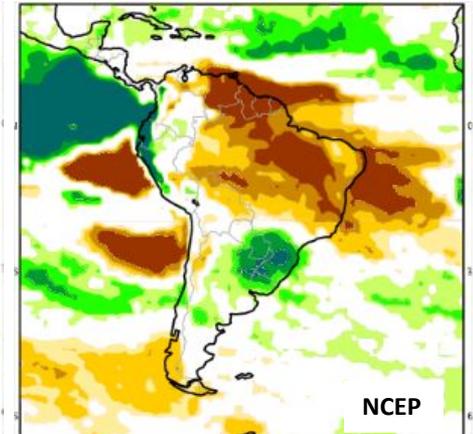
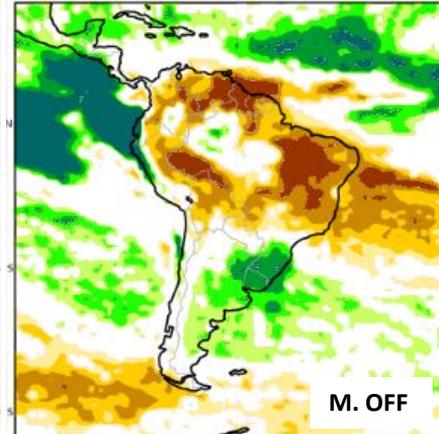
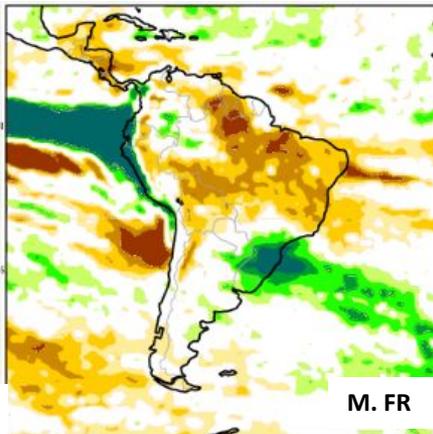
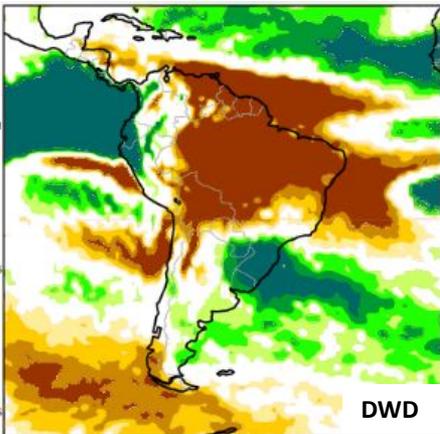
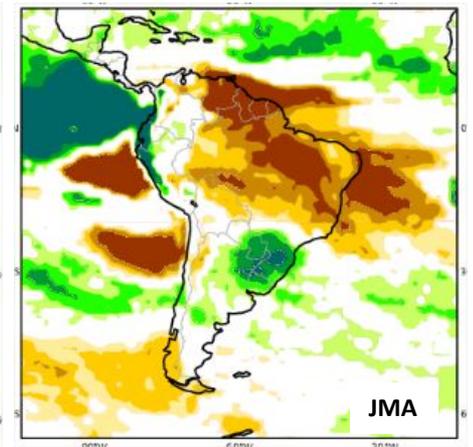
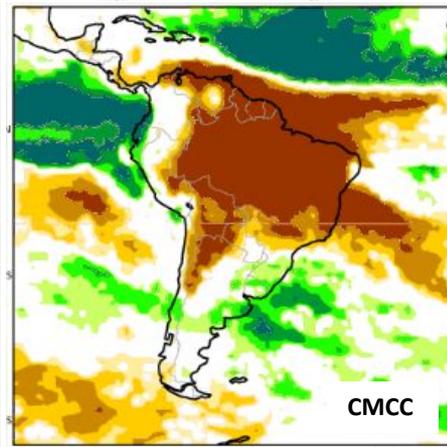
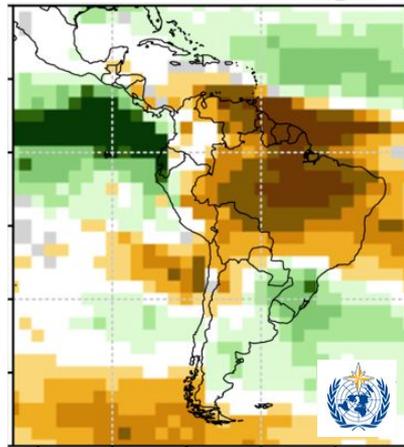
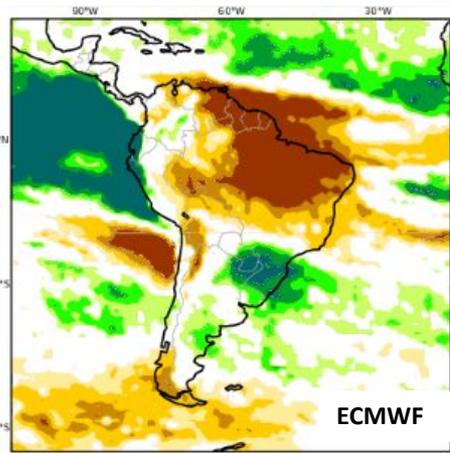
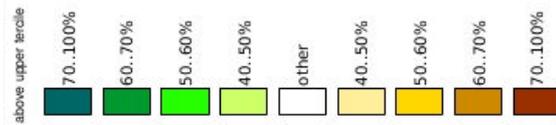
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Status Atual: **El Niño**

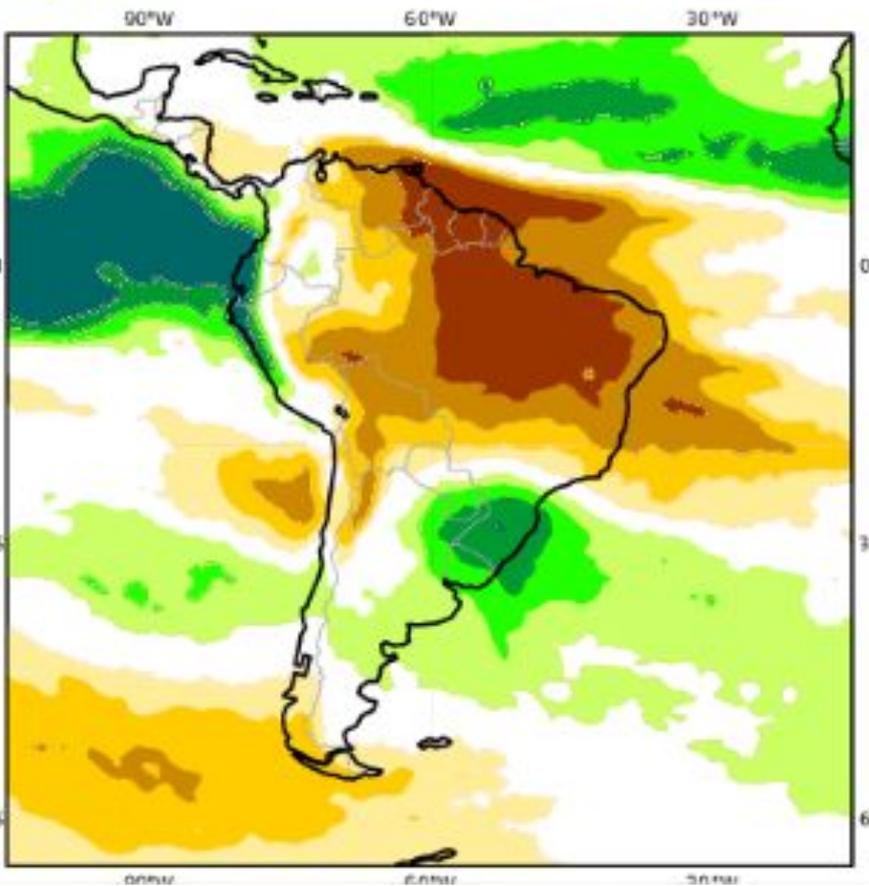
FONTE: NOAA

Previsão Sazonal de Chuva OND



Previsão Multi Modelo OND

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/09/23
Unweighted mean



NMME Precipitation Anomalies (mm/day)
Oct2023–Dec2023 September2023 initial conditions

