

Monitoramento da situação do El Niño na Região Nordeste

AGOSTO/ 2023



MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO





Update prepared by:
Climate Prediction Center / NCEP
14 August 2023

ENSO Alert System Status: **El Niño Advisory**

El Niño conditions are observed.*

Equatorial sea surface temperatures (SSTs) are above average across the central and eastern Pacific Ocean.

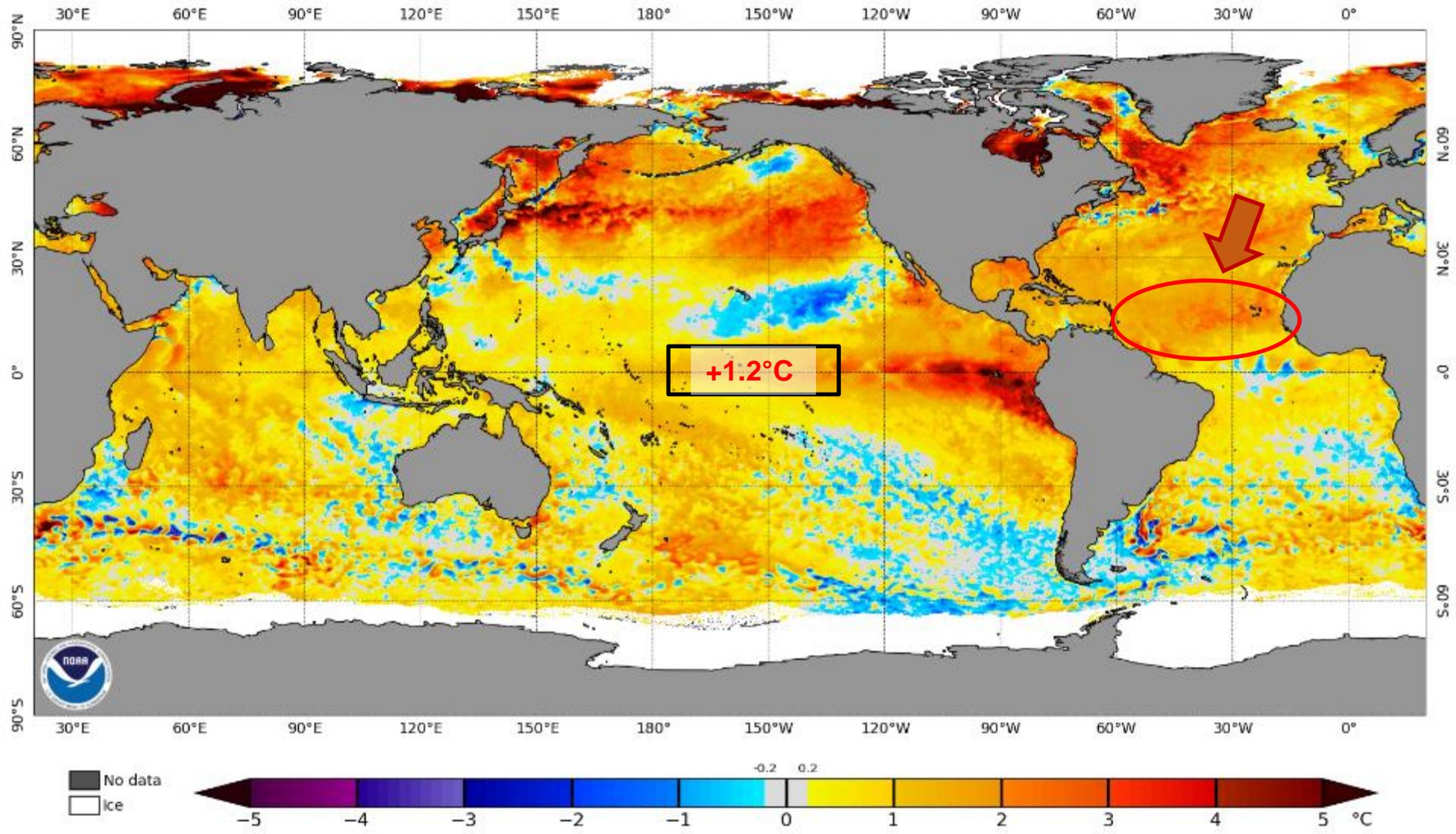
The tropical Pacific atmospheric anomalies are consistent with El Niño conditions.

El Niño is anticipated to continue through the Northern Hemisphere winter (with greater than a 95% chance through December 2023-February 2024).*

* Note: These statements are updated once a month (2nd Thursday of each month) in association with the ENSO Diagnostics Discussion, which can be found by clicking [here](#).

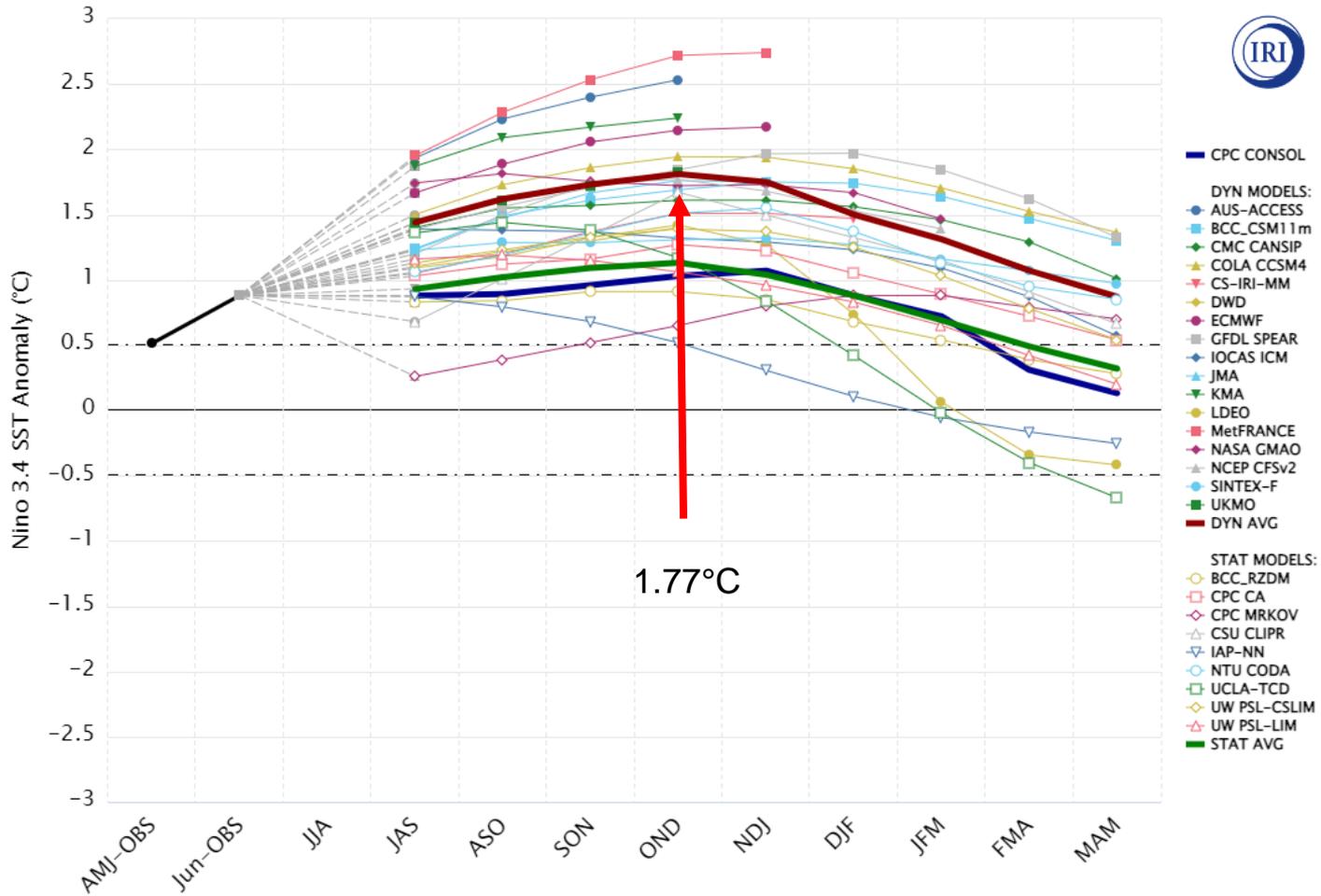
Status Atual: El Niño

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 15 Aug 2023



Previsão do “ENSO”

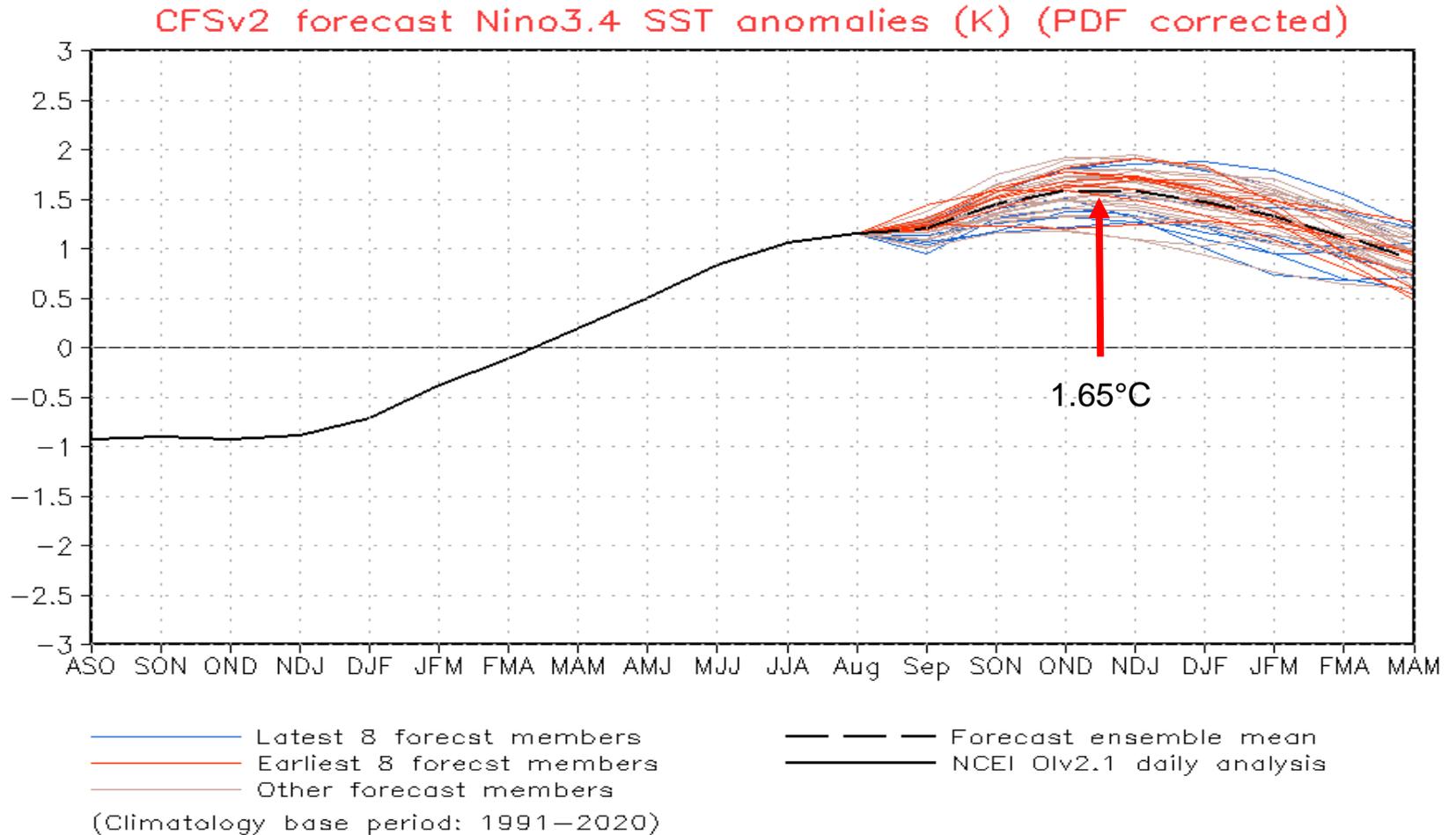
Model Predictions of ENSO from Jul 2023



Atualizado 19 de Julho

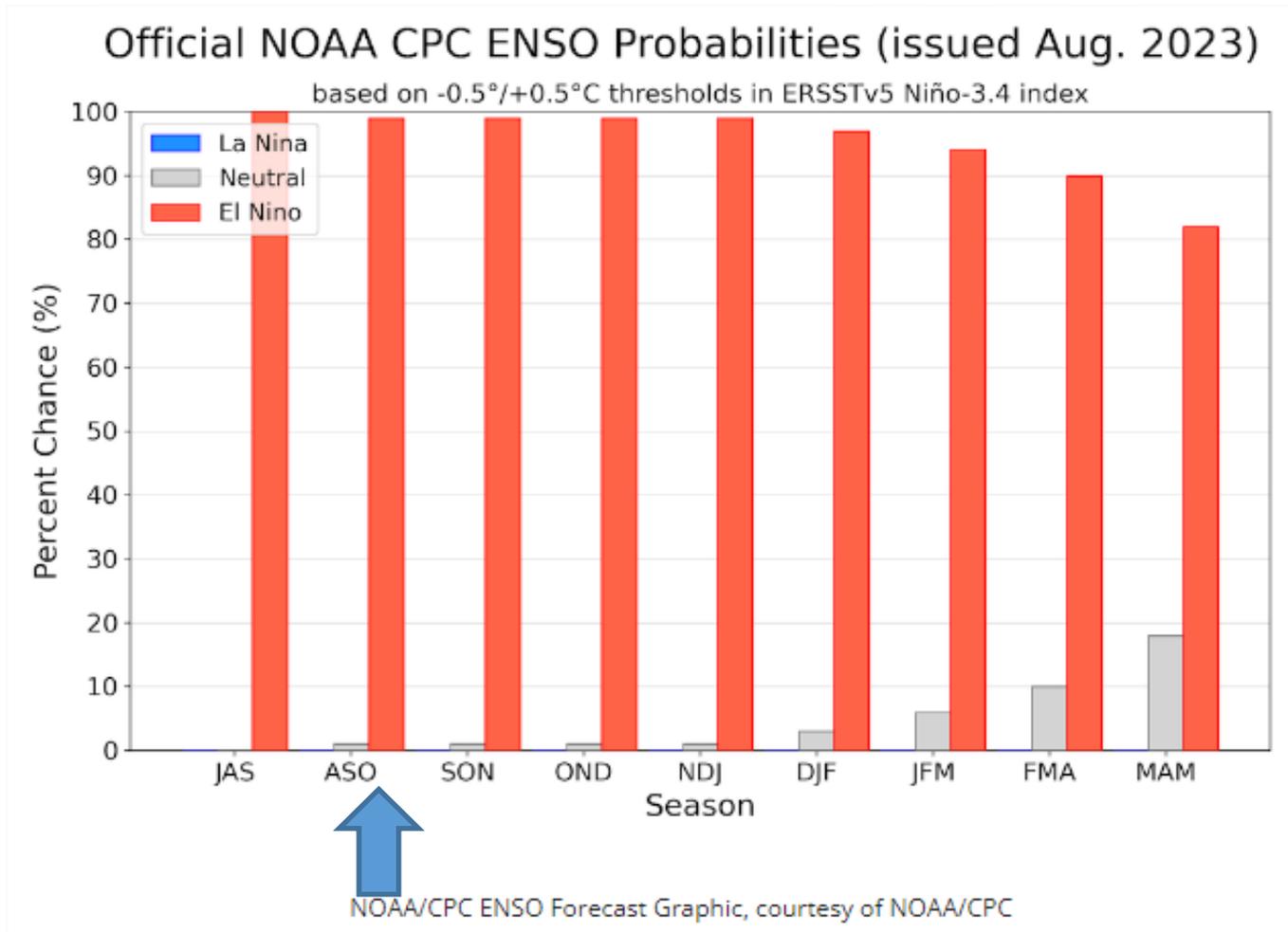
Highcharts.com

Previsão do “ENSO”



Atualizado: 14 de Agosto 2023

Previsão do “ENSO”

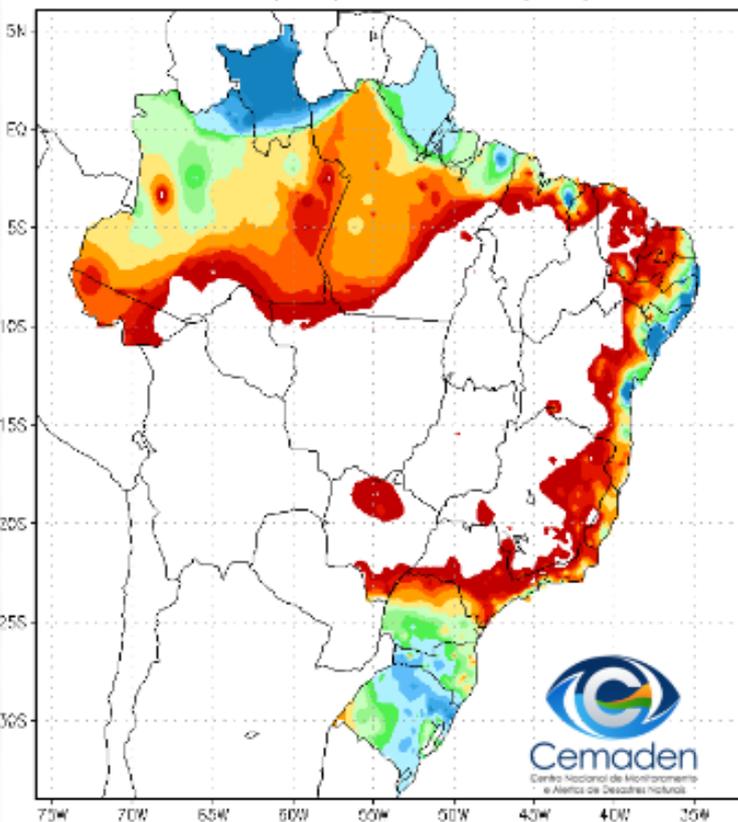


Status Atual: **El Niño**

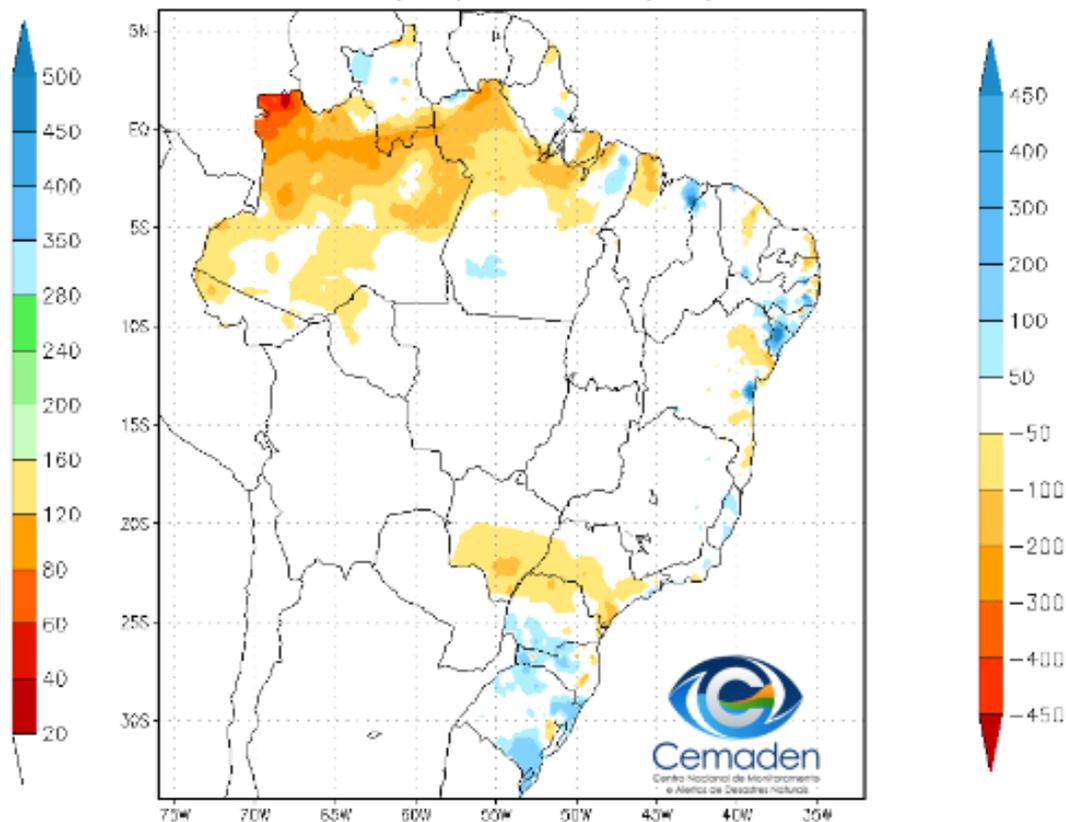
FONTE: NOAA

Chuva dos últimos 60 dias

Precipitação Acumulada (mm)
Período: 16/06/2023 a 15/08/2023

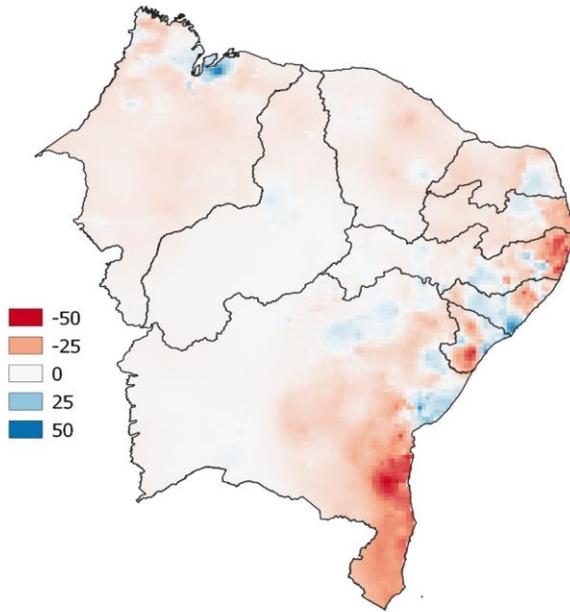


Anomalia de Precipitação (mm)
Período: 16/06/2023 a 15/08/2023

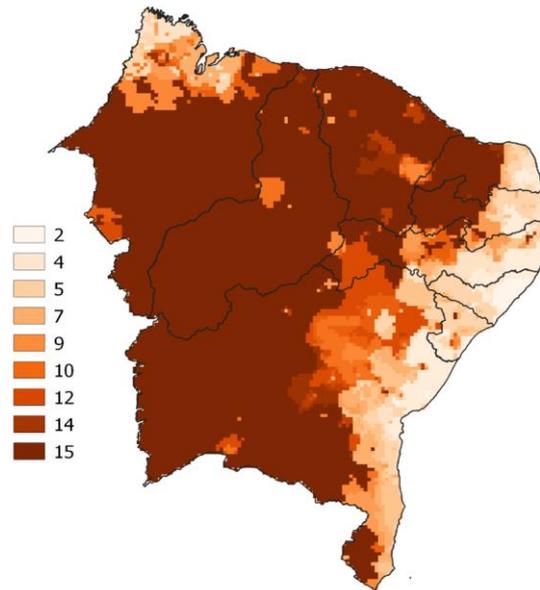


PRECIPITAÇÃO: AGOSTO 2023 (ATÉ 15/08)

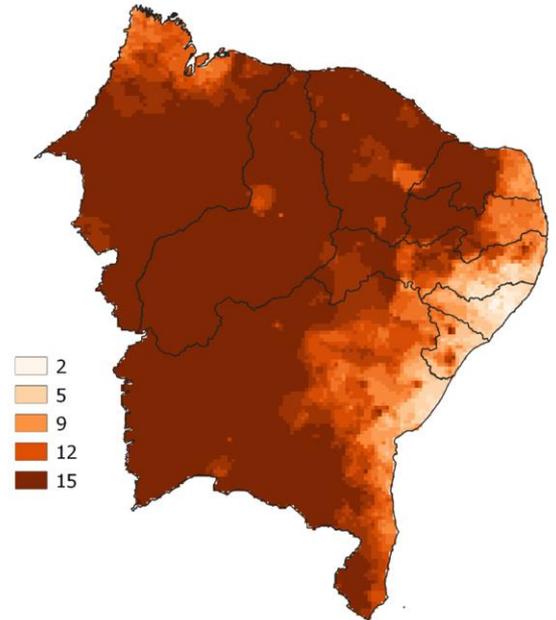
Anomalia (mm)



Máximo de dias consecutivos sem chuva

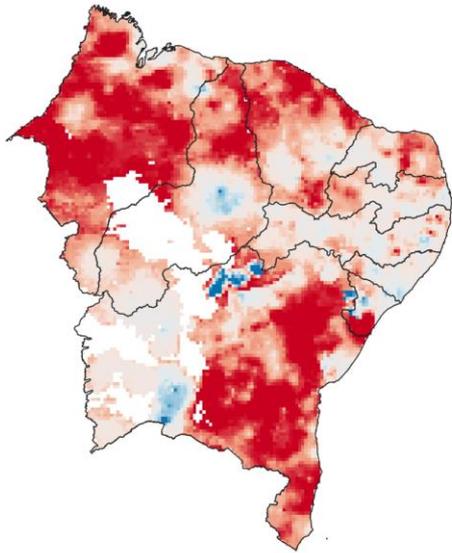


Total de dias sem chuva

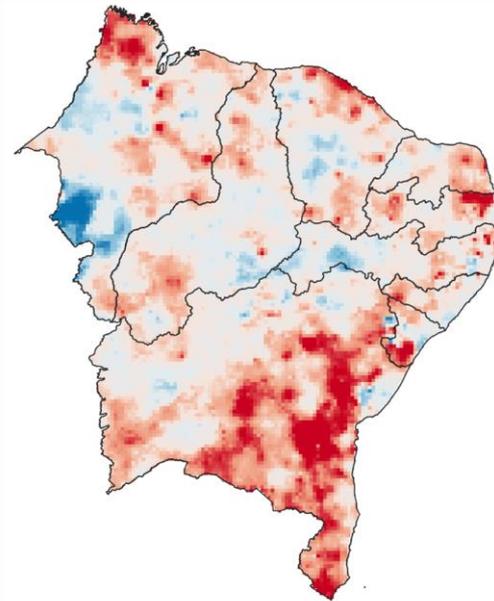


SPI: AGOSTO 2023

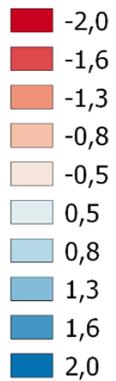
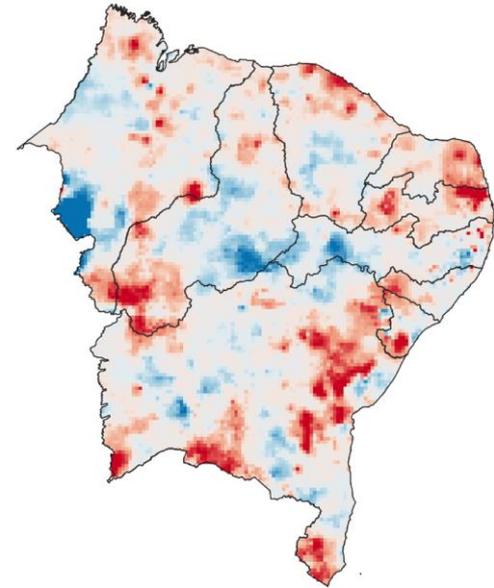
SPI03



SPI06



SPI12

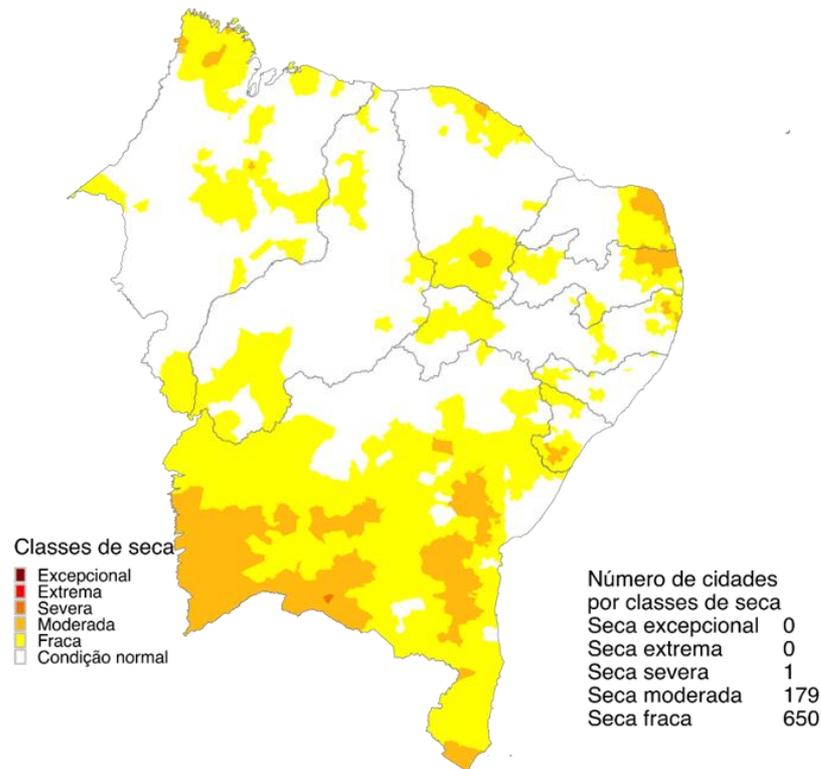
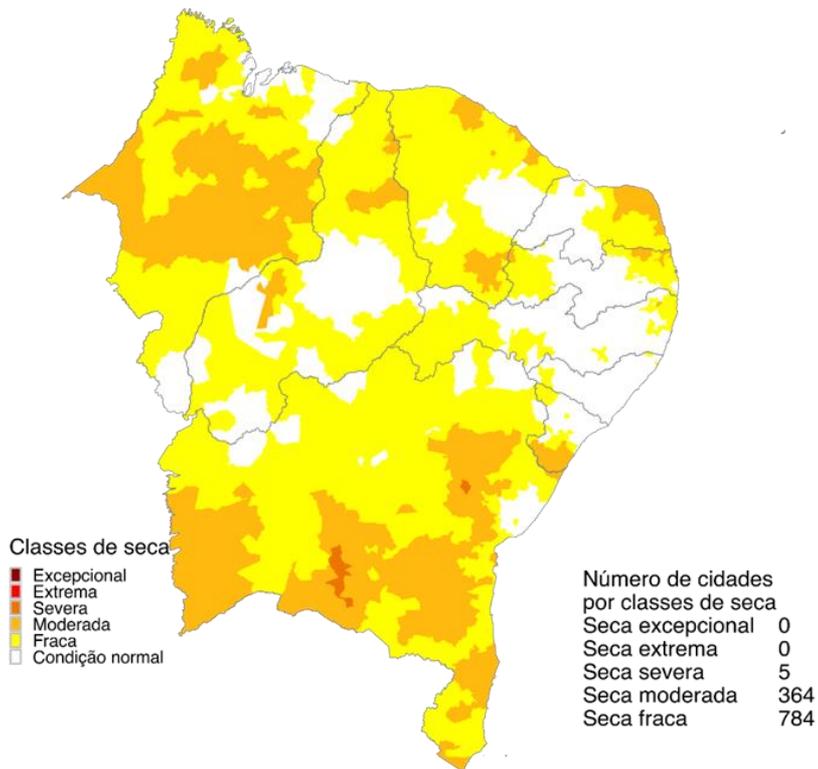


ÍNDICE INTEGRADO DE SECA - IIS

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

IIS 3 MESES

IIS 6 MESES

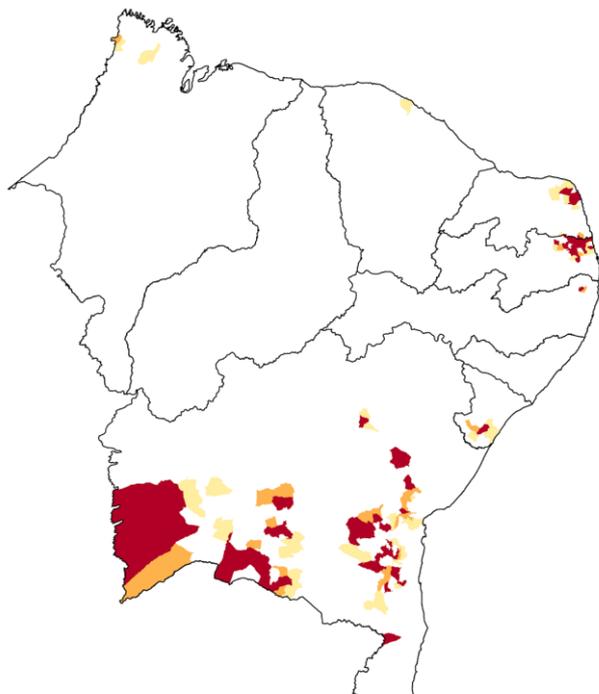


Agosto 2023
Índice Integrado de Seca (SPI3, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

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

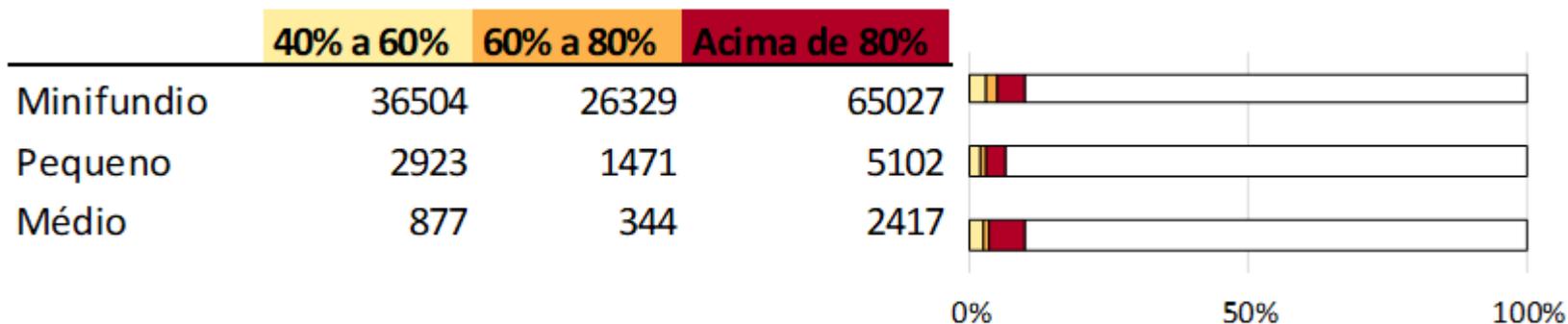
ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

Ago/23



UF	40 a 60%	60 - 80%	> 80%
BA	21	17	43
CE	1		
MA	2	1	
PB	4	2	19
PE		1	1
RN	5	1	5
SE	3	1	3

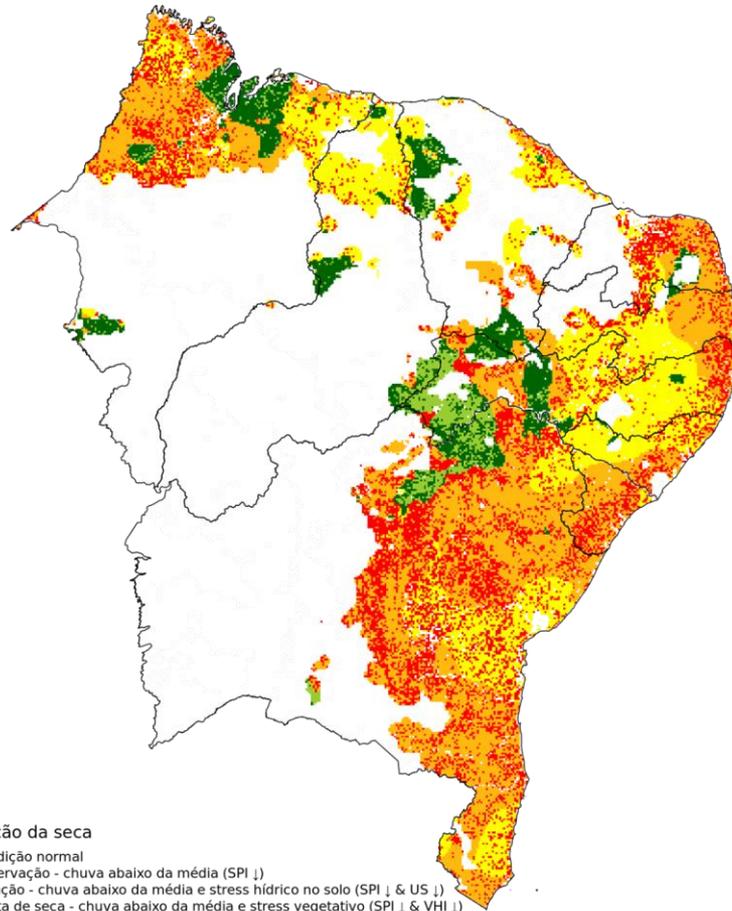
Nordeste



PROGRESSÃO DAS CONDIÇÕES DE SECA (PCS)

AGOSTO/2023

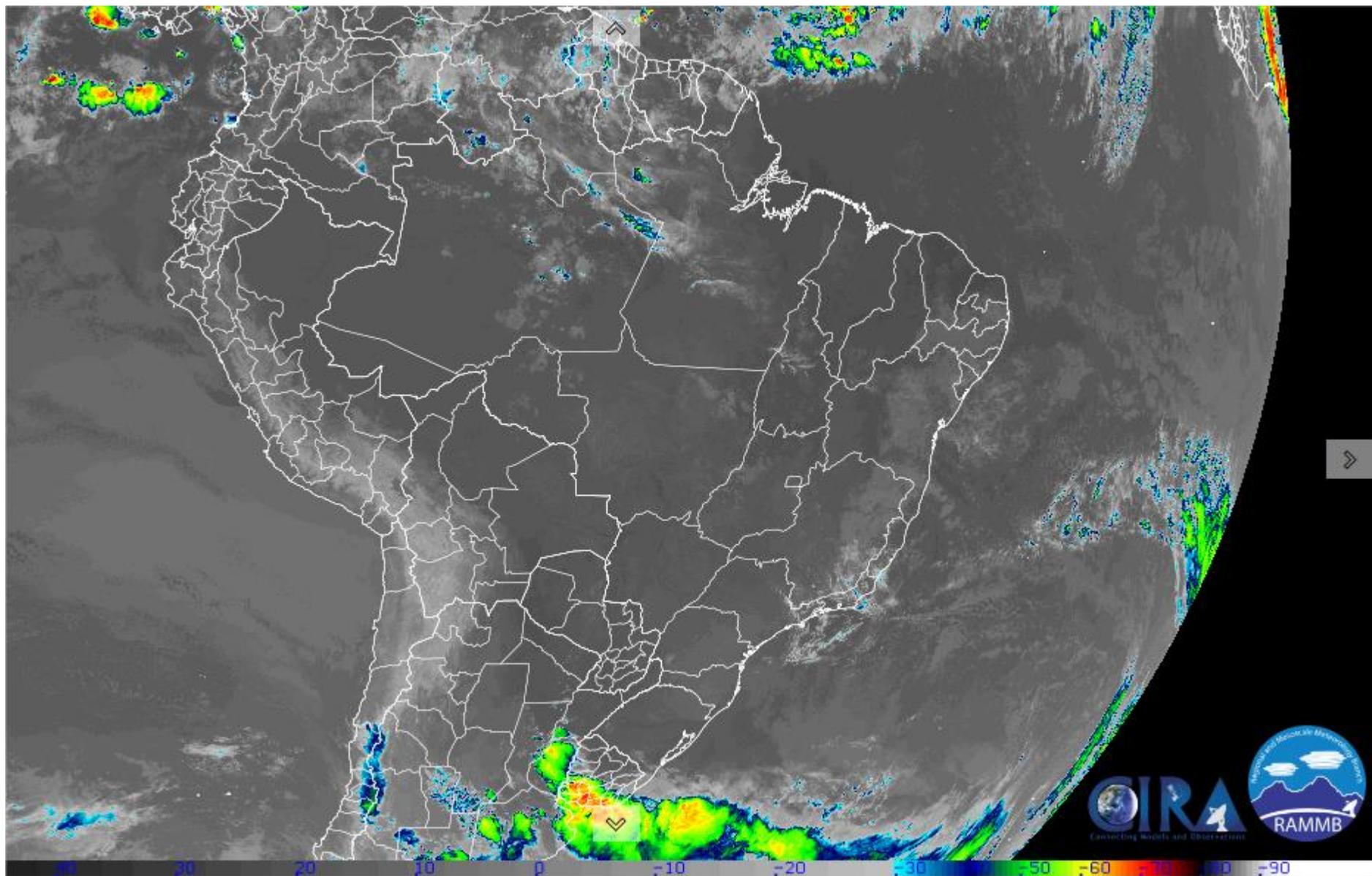
Propagação das Condições de Seca
Agosto 2023



Condição da seca

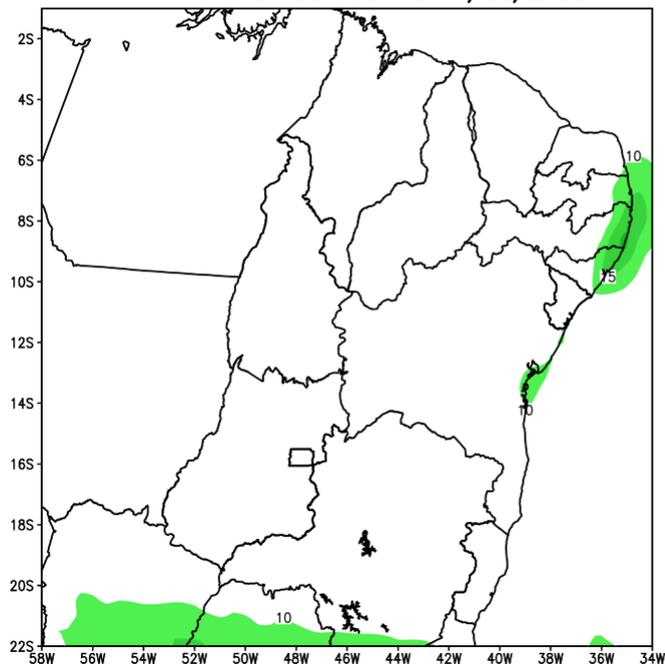
- Condição normal
- Observação - chuva abaixo da média (SPI ↓)
- Atenção - chuva abaixo da média e stress hídrico no solo (SPI ↓ & US ↓)
- Alerta de seca - chuva abaixo da média e stress vegetativo (SPI ↓ & VHI ↓)
- Stress vegetativo & tendência de melhora na chuva (VHI ↓ & SPI ↓↑)
- Em recuperação (SPI ↓↑)

Situação Meteorológica Atual

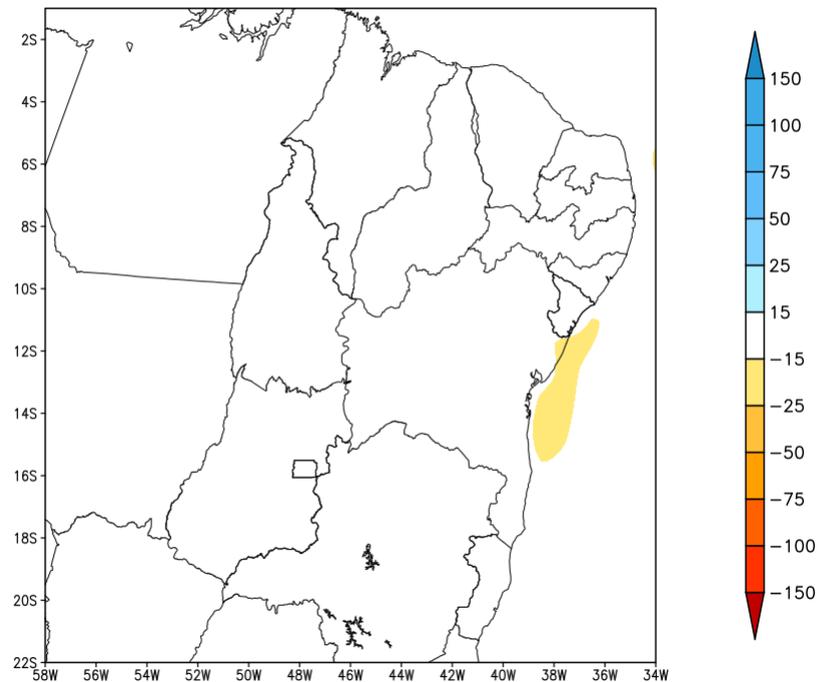


Tendência de Chuva para as próxima semana

GEFS / BRASIL_NE
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 17/08/2023

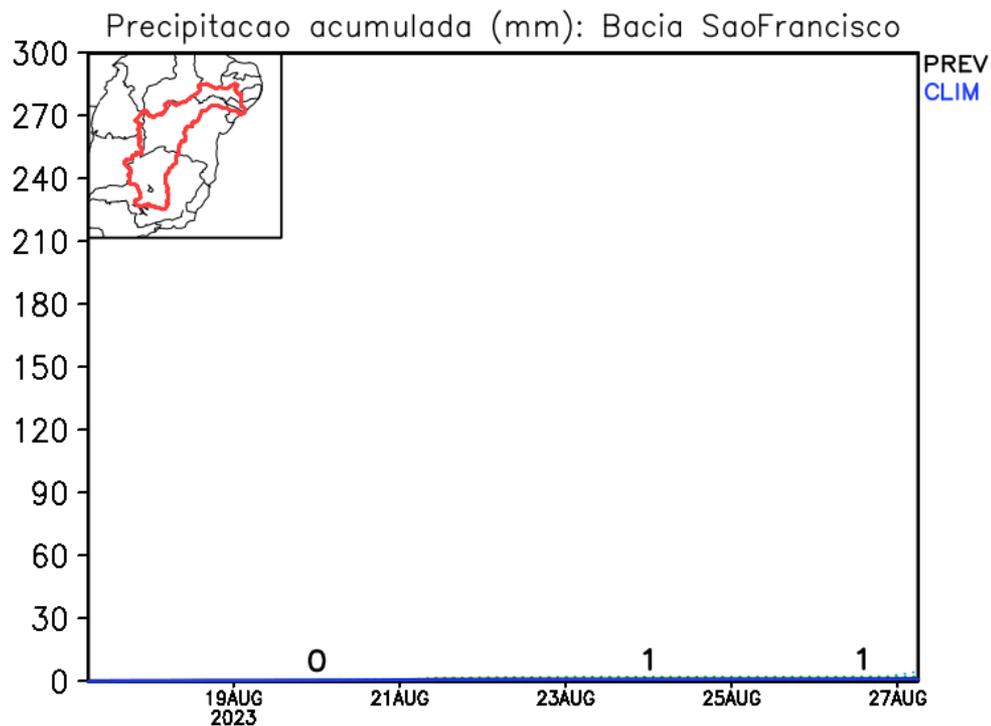
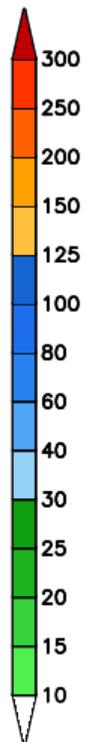
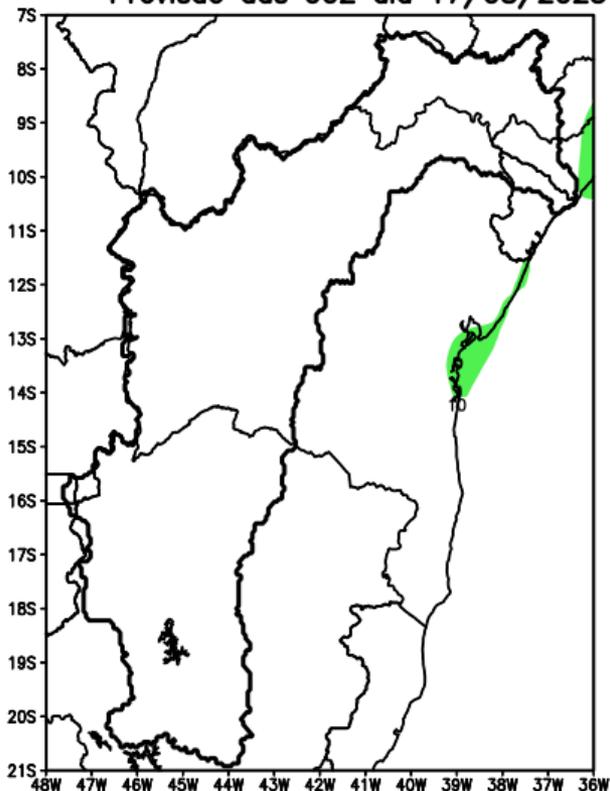


Anomalia de Precipitacao BR NE (mm)
Periodo: 2023081700 a 2023082400



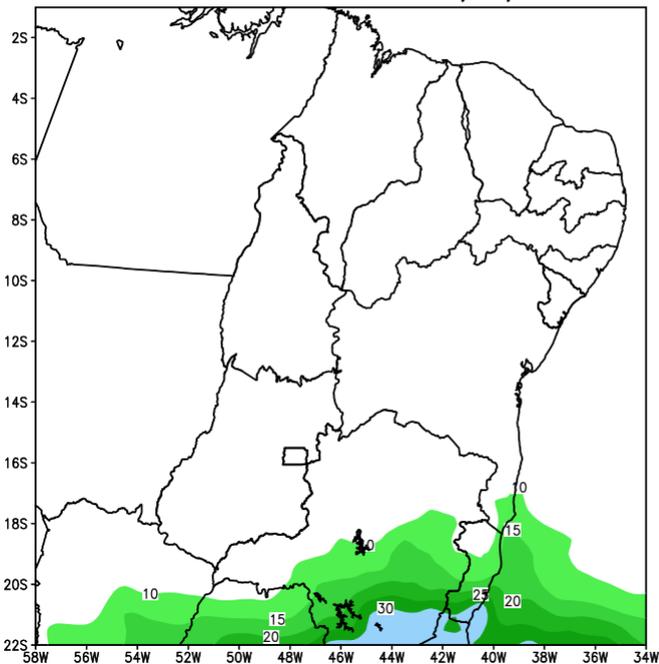
Tendência de Chuva para a bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 17/08/2023

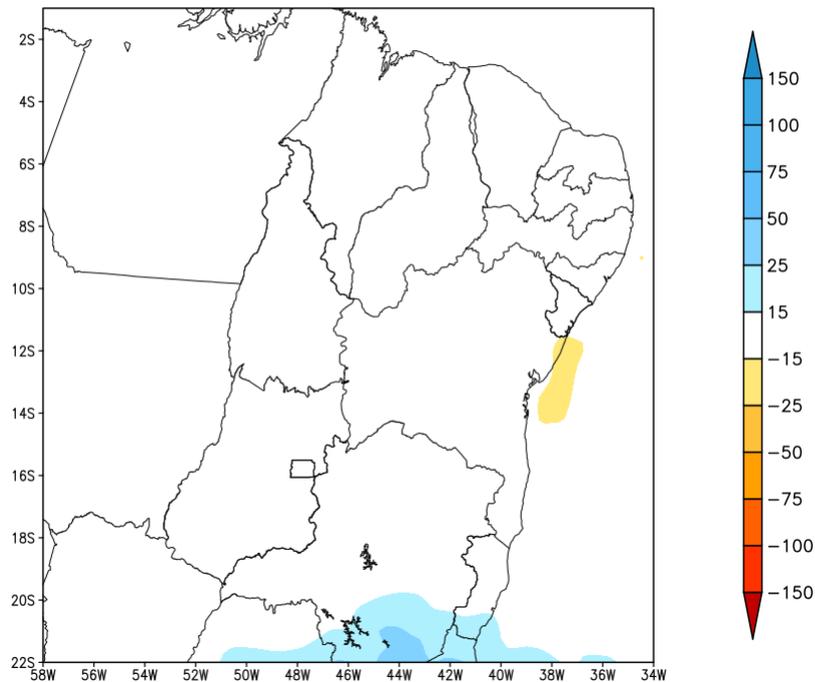


Tendência de Chuva para as próximas duas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 17/08/2023

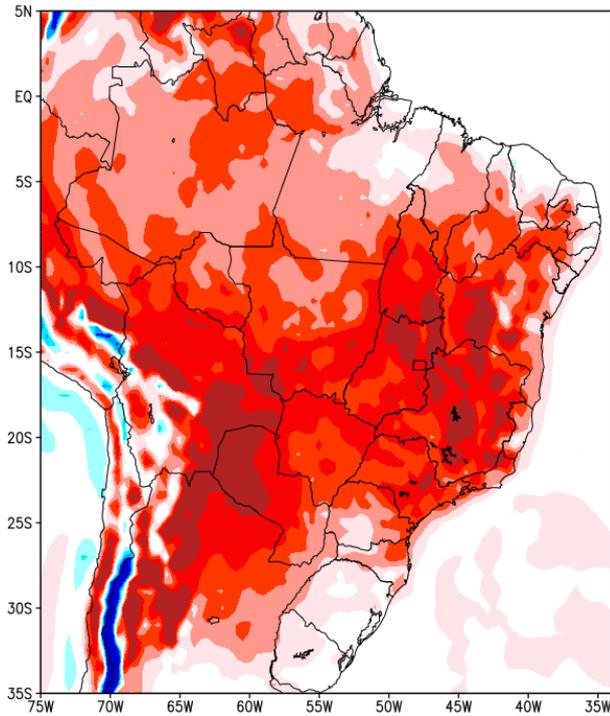


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023082500 a 2023083100

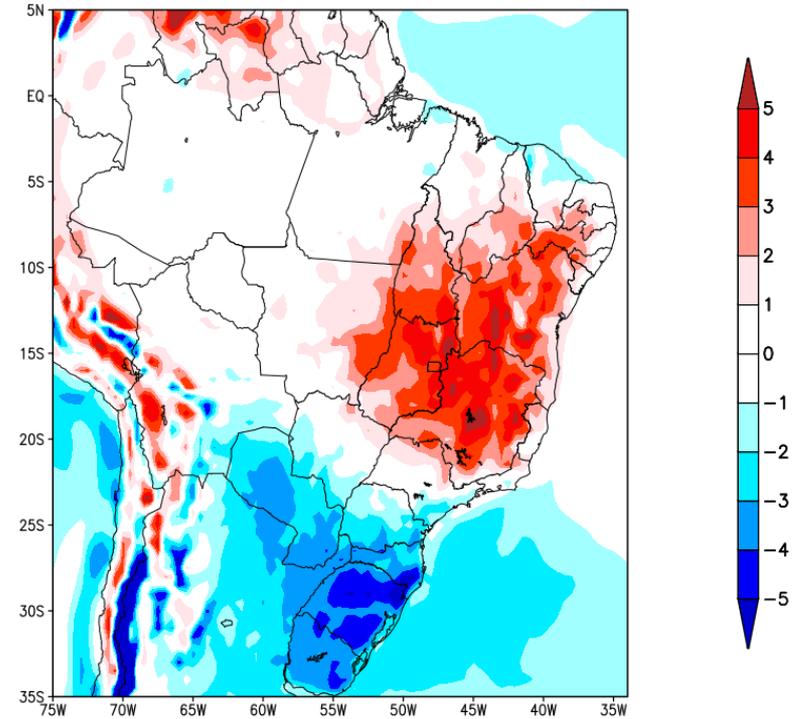


Tendência da Temperatura para as próximas duas semanas

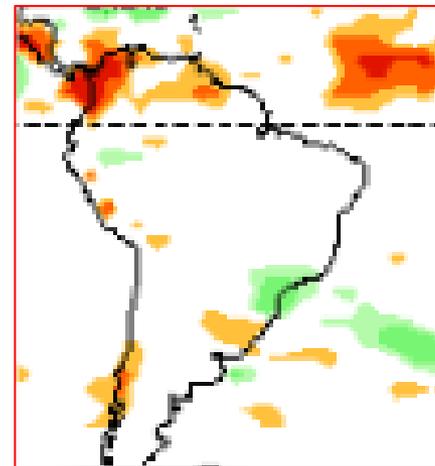
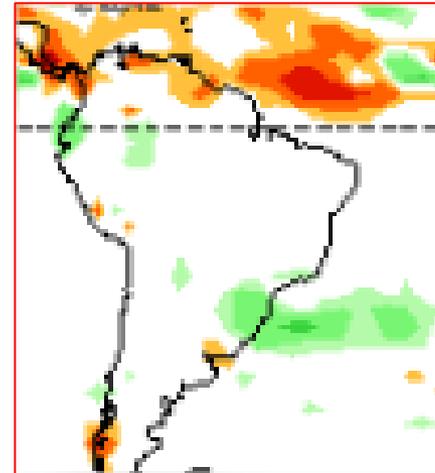
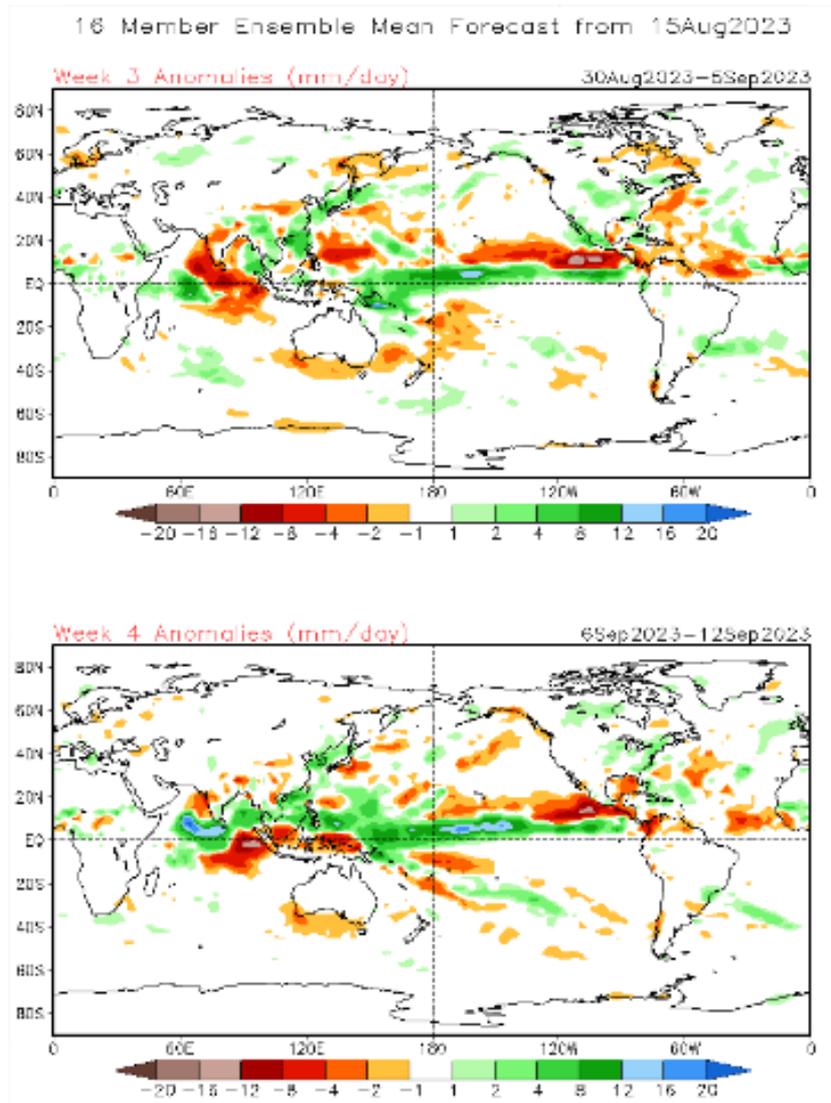
Anomalia de Temperatura BR (C)
Período: 2023081700 a 2023082400



Anomalia de Temperatura BR (C)
Período: 2023082500 a 2023083100

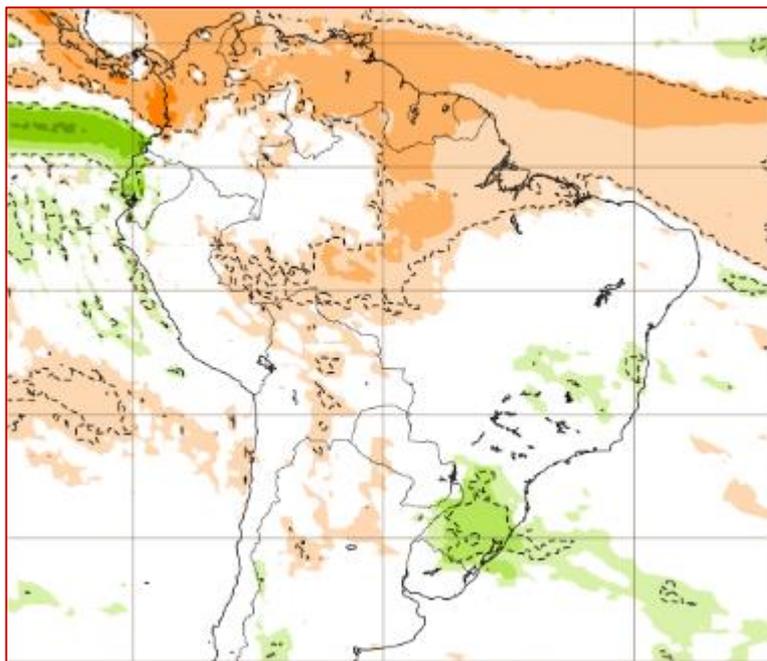


Tendência 3a e 4a semanas

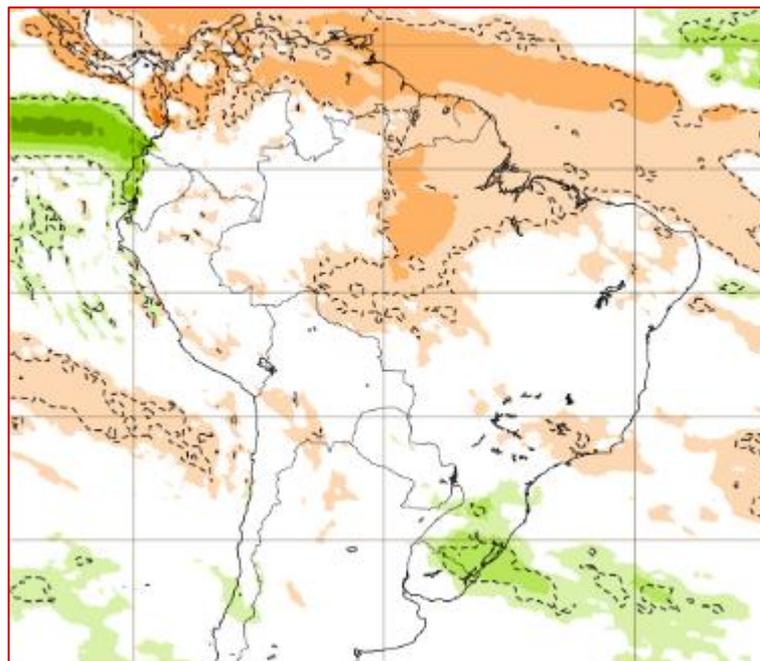


Tendência para 3ª e 4ª semanas

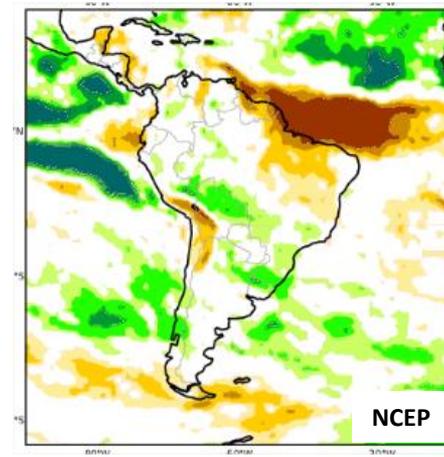
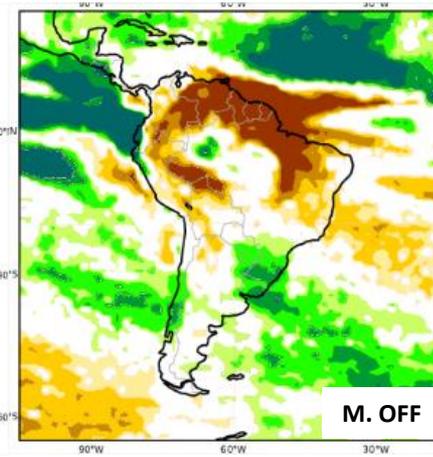
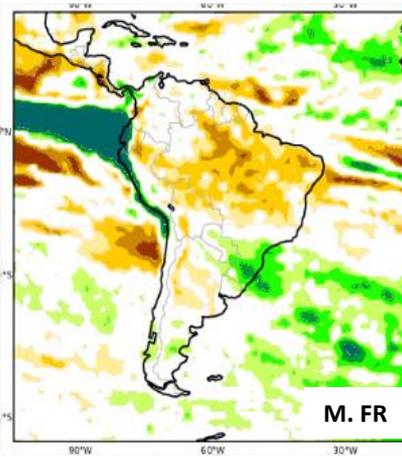
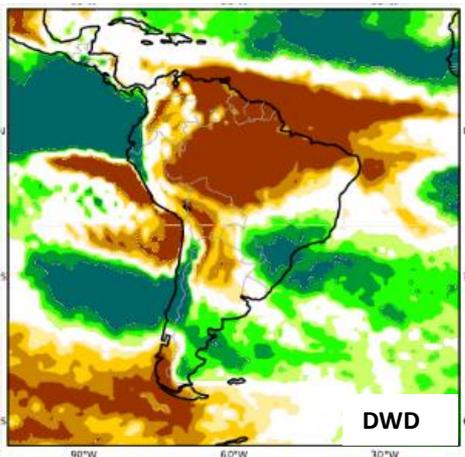
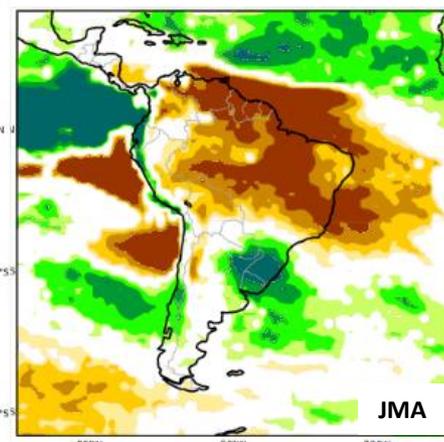
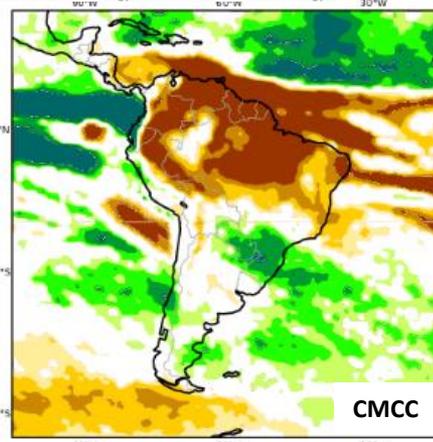
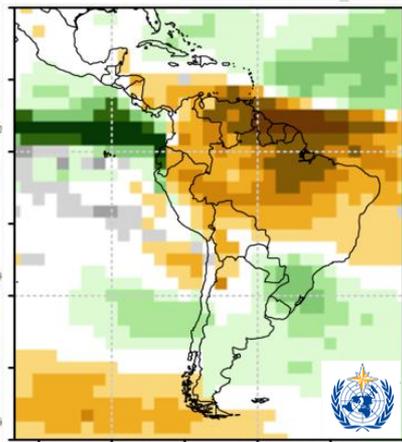
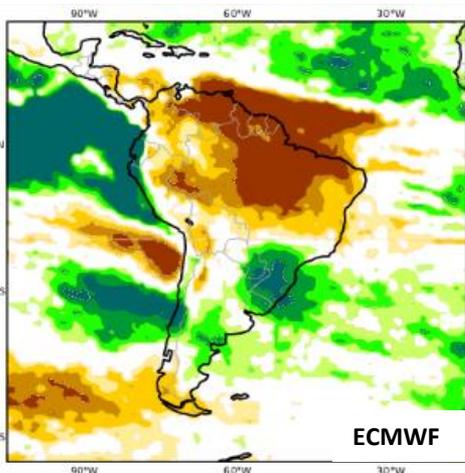
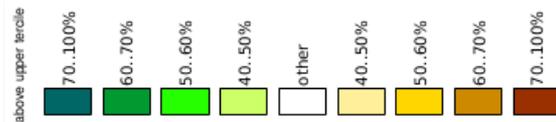
04-11/09



11-18/09



Previsão Sazonal de Chuva SON



Previsão Multi Modelo SON

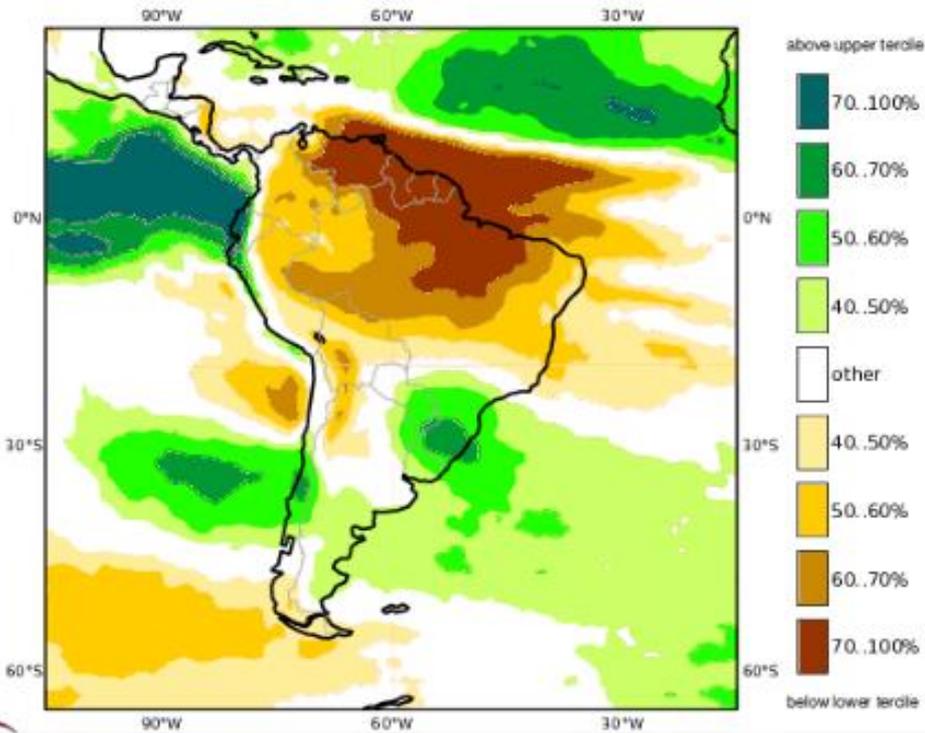
C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/08/23

Unweighted mean

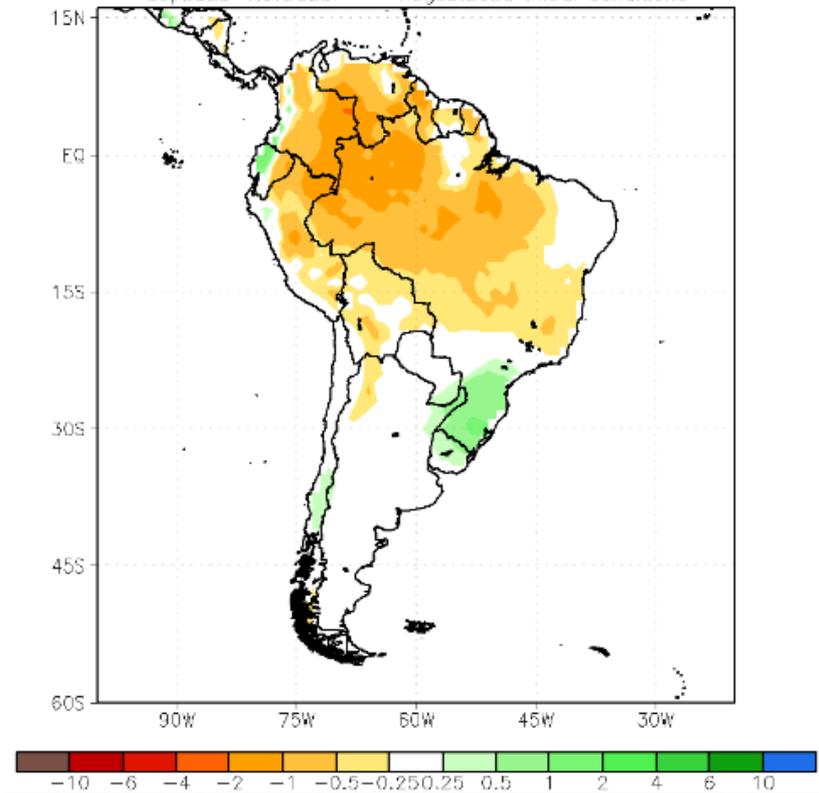
SON 2023



NMME Precipitation Anomalies (mm/day)

Sep2023–Nov2023

August2023 initial conditions



CENÁRIOS ÍNDICE INTEGRADO DE SECA - SETEMBRO E OUTUBRO/2023

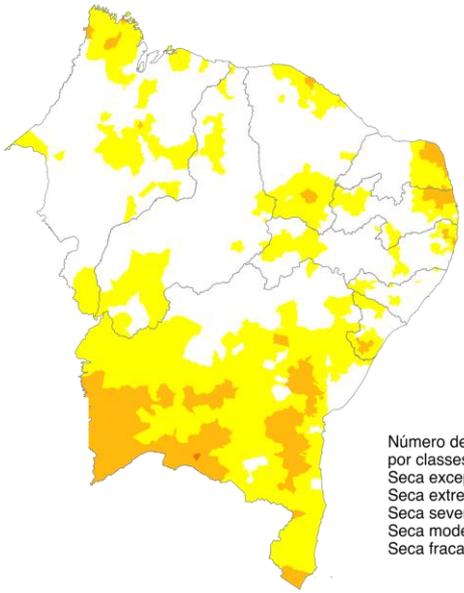
CHUVA 25% ABAIXO DA MÉDIA

CHUVA 40% ABAIXO DA MÉDIA

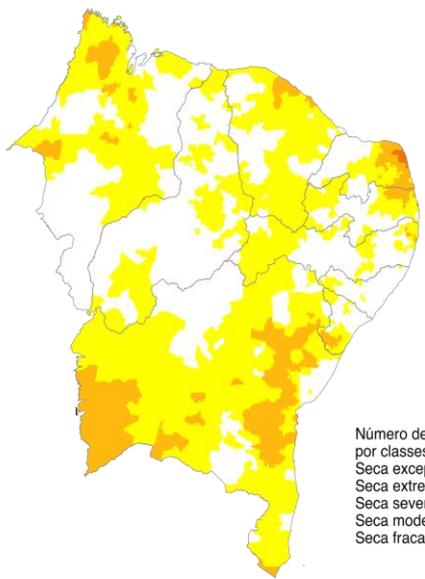
IIS6 - agosto

IIS6 - setembro

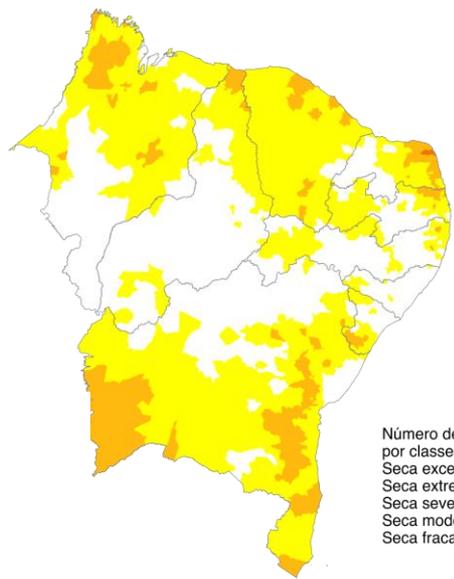
IIS6 - outubro



Número de cidades por classes de seca	
Seca excepcional	0
Seca extrema	0
Seca severa	1
Seca moderada	179
Seca fraca	650



Número de cidades por classes de seca	
Seca excepcional	0
Seca extrema	0
Seca severa	6
Seca moderada	243
Seca fraca	803



Número de cidades por classes de seca	
Seca excepcional	0
Seca extrema	0
Seca severa	3
Seca moderada	222
Seca fraca	878

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

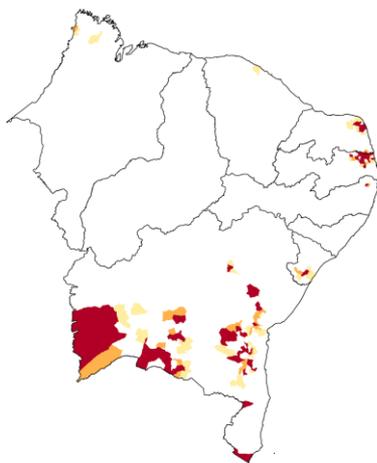
Setembro 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

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

- Seca Excepcional
- Seca Extrema
- Seca Severa
- Seca Moderada
- Seca Fraca
- Normal

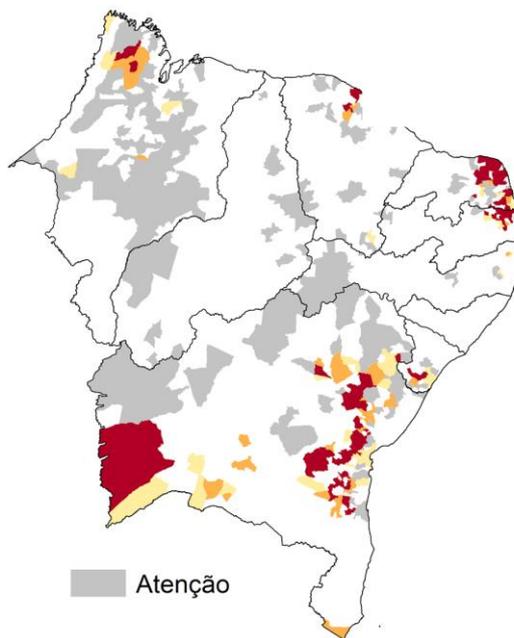
ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

OBSERVADO - AGO/23



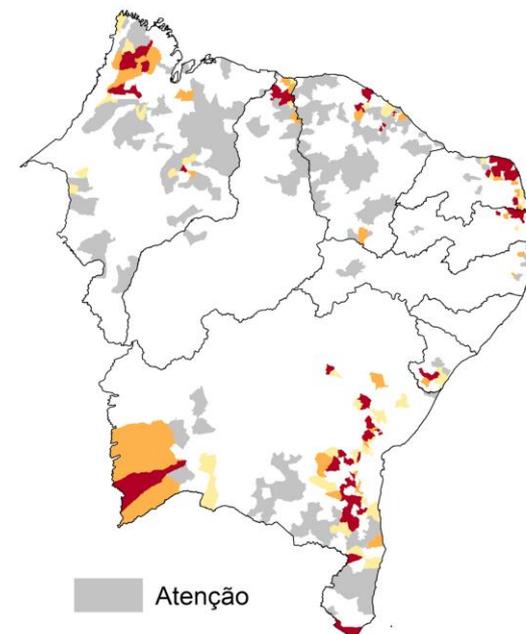
	40 a 60%	60 - 80%	> 80%
Agosto	36	23	71
Previsão Set	45	38	108
Previsão Out	42	35	83

PREVISÃO - SET/23



223 MUNICÍPIOS EM ESTADO DE ATENÇÃO

PREVISÃO - OUT/23

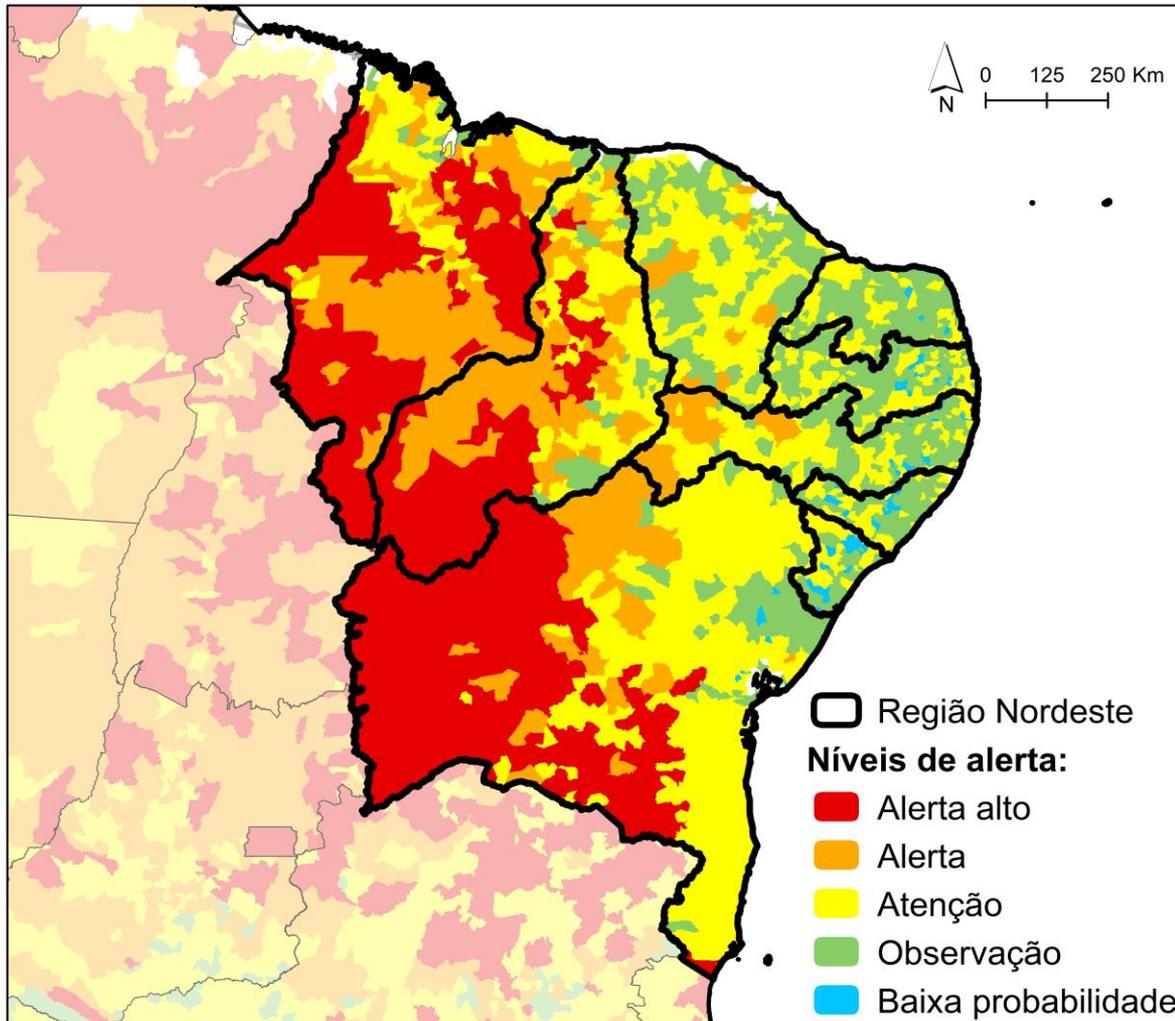


189 MUNICÍPIOS EM ESTADO DE ATENÇÃO

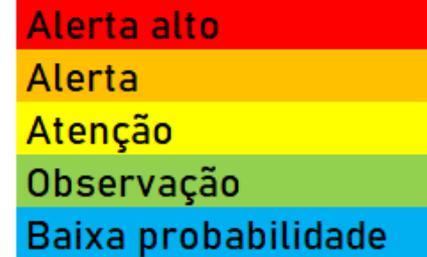
ATENÇÃO: MUNICÍPIOS COM MENOS DE 40% DAS ÁREAS AGROPRODUTIVAS AFETADAS PELA SECA, MAS QUE TIVERAM UM AUMENTO DESTA ÁREA EM RELAÇÃO AO MÊS ANTERIOR.

Previsão de probabilidade de fogo - Ago-Set-Out 2023

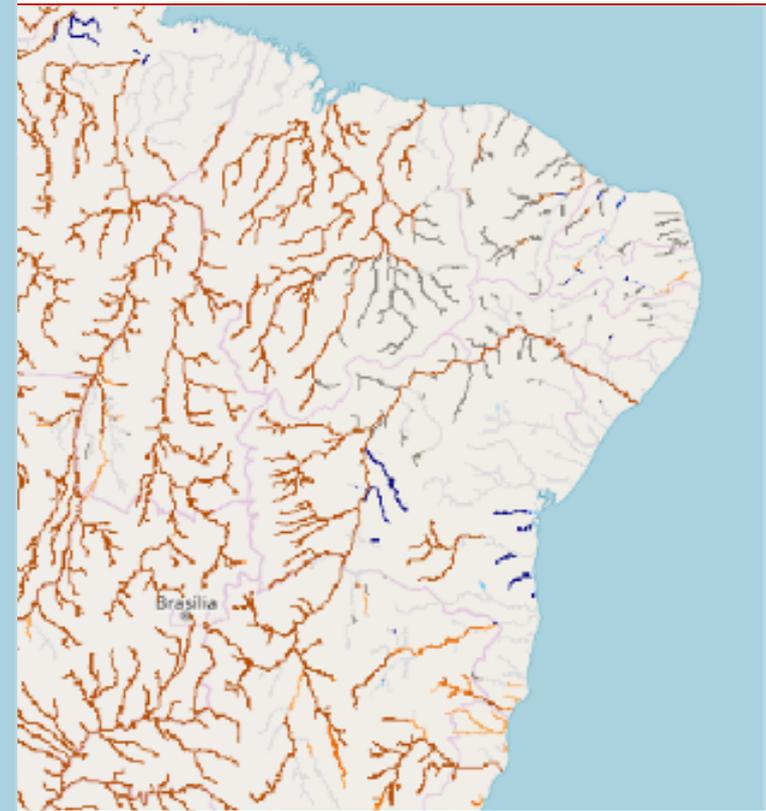
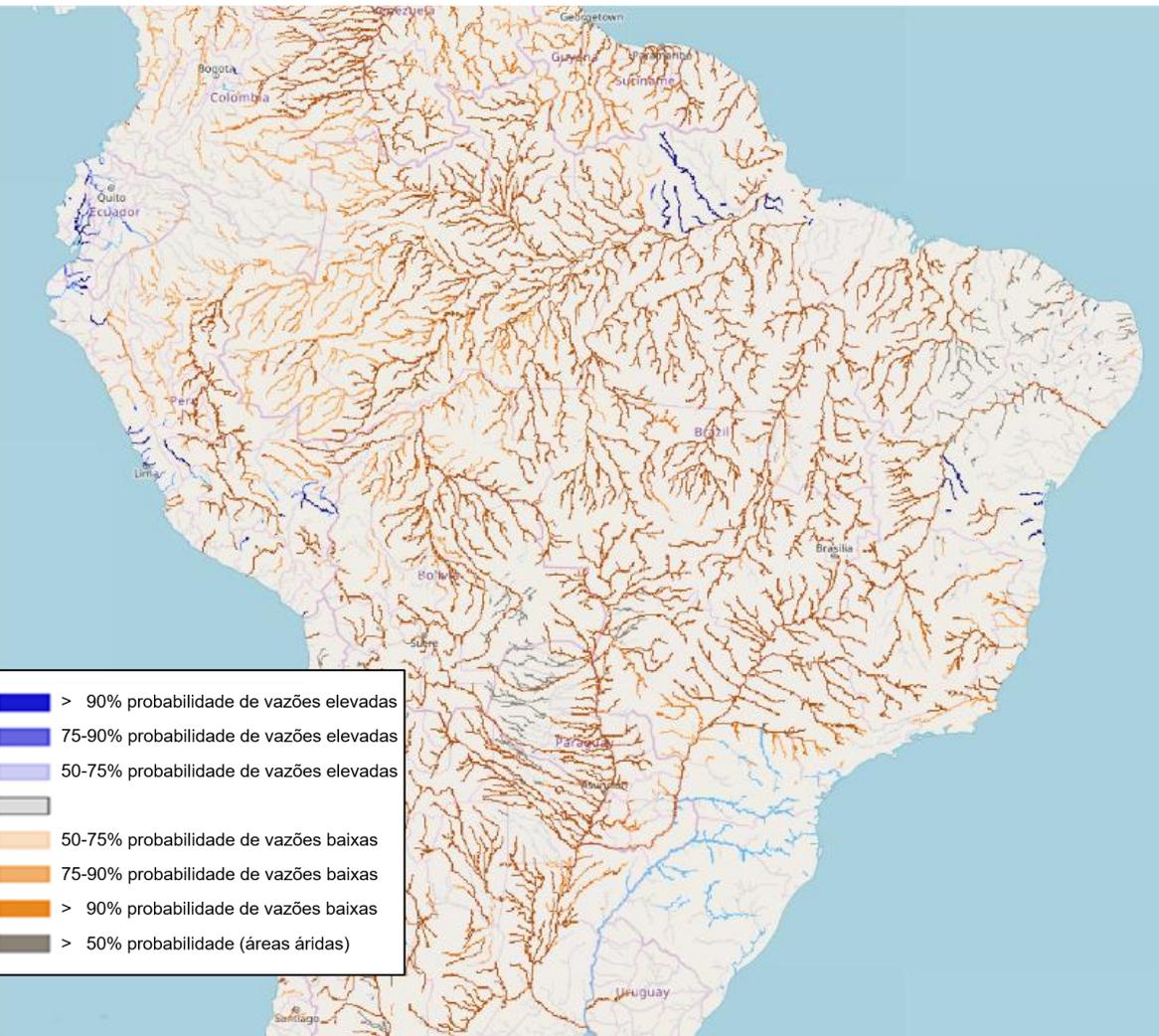
Previsão da Probabilidade de Fogo para a região Nordeste brasileira para o período de Agosto, Setembro e Outubro de 2023



Nível de Alerta



Previsão de vazão para o trimestre de ASO



Fonte: Glofas