

Monitoramento da situação da seca na Região Norte

22 DE MARÇO DE 2024

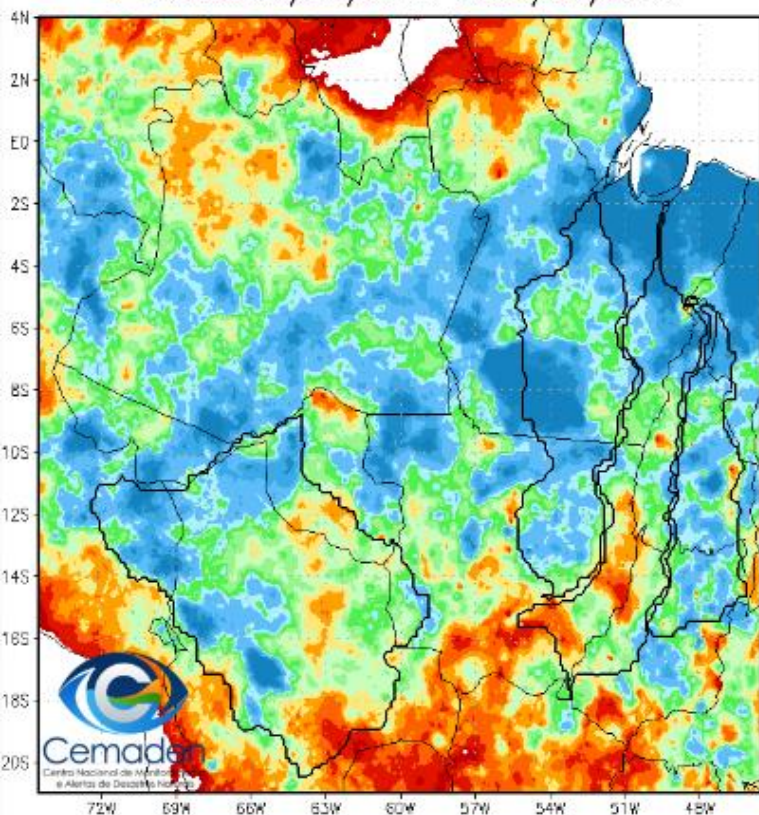


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES

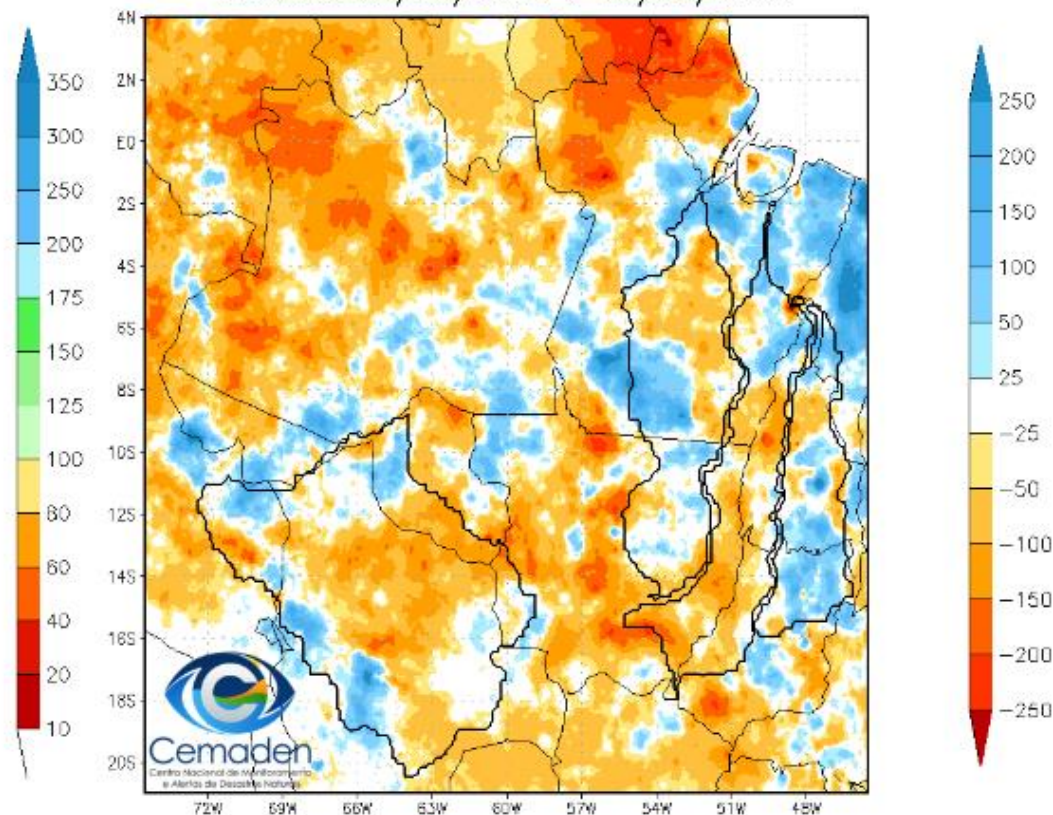


PRECIPITAÇÃO: ÚLTIMOS 30 DIAS

Precipitação Acumulada (mm) A.S.
Período: 20/02/2024 a 21/03/2024



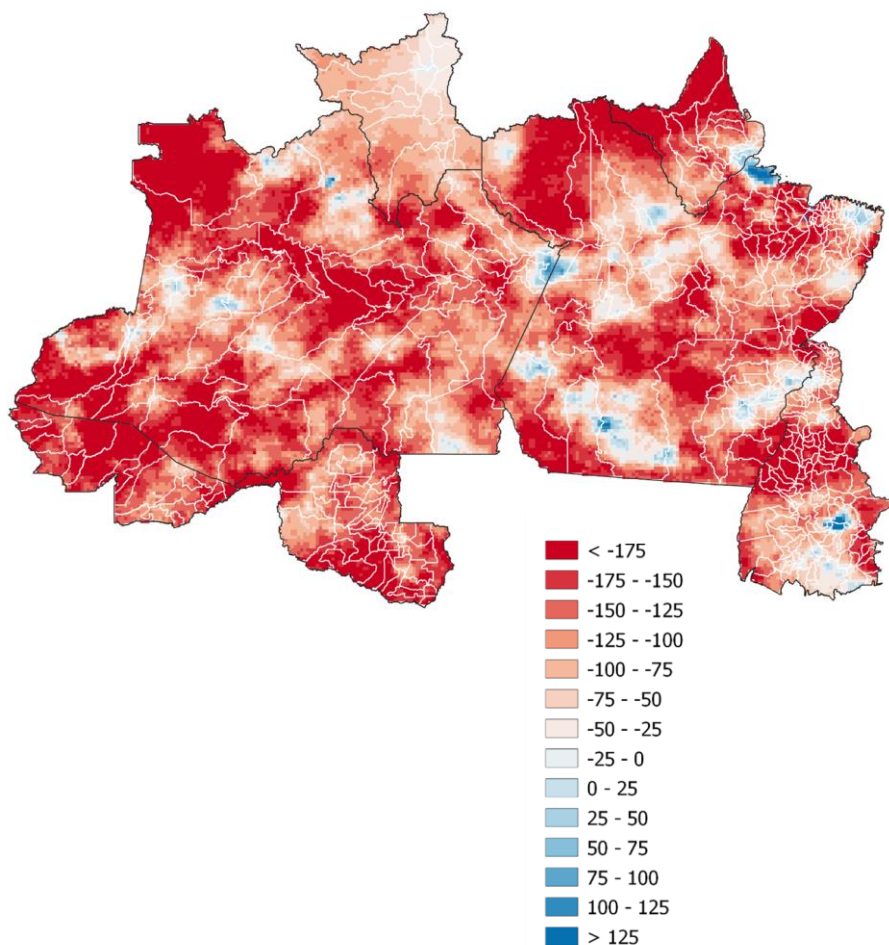
Anomalia de Precipitação (mm) A.S.
Período: 20/02/2024 a 21/03/2024



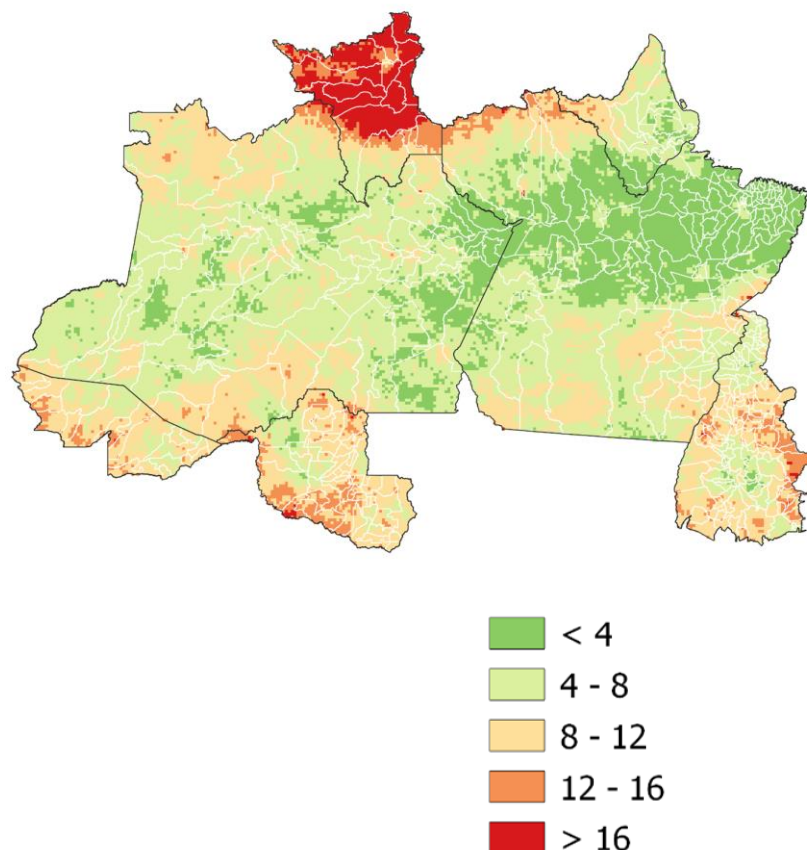
FONTE DOS DADOS: MERGE/INPE

PRECIPITAÇÃO: MARÇO (ATÉ DIA 20) 2024

ANOMALIA (MM)

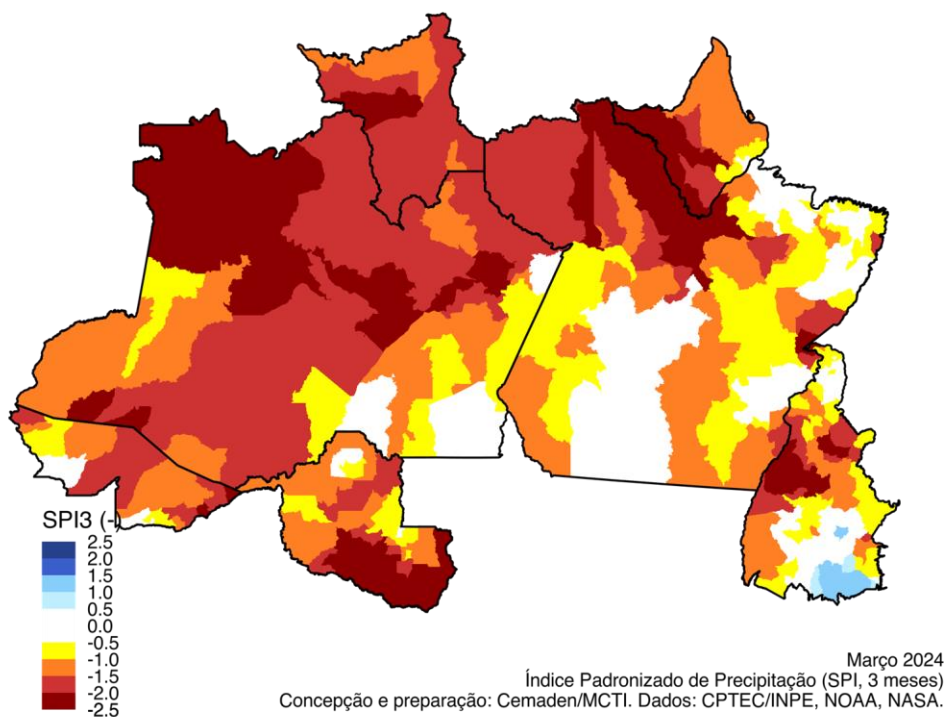


TOTAL DE DIAS SEM
PRECIPITAÇÃO (MM)

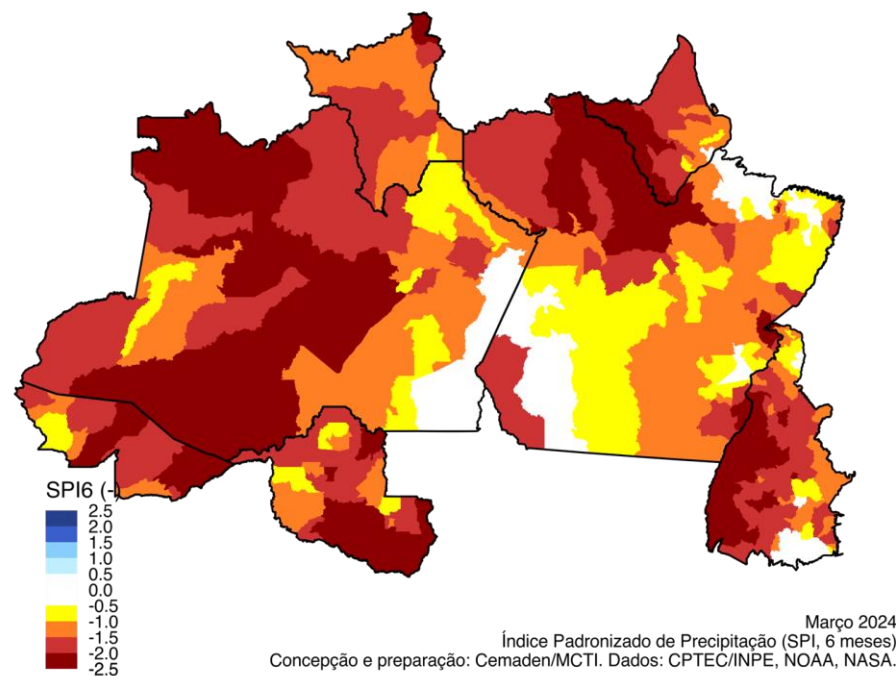


SPI: MARÇO 2024

SPI-03

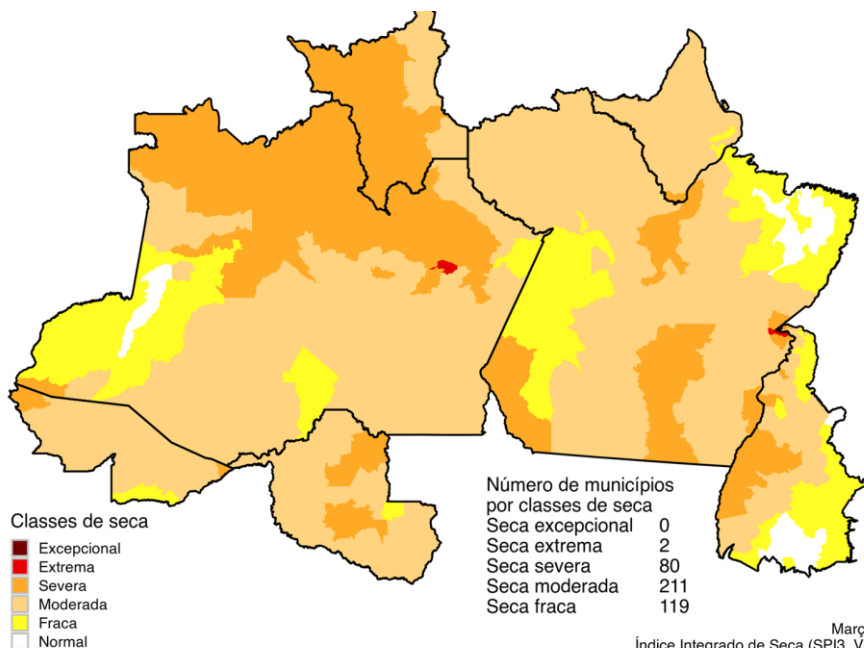


SPI-06



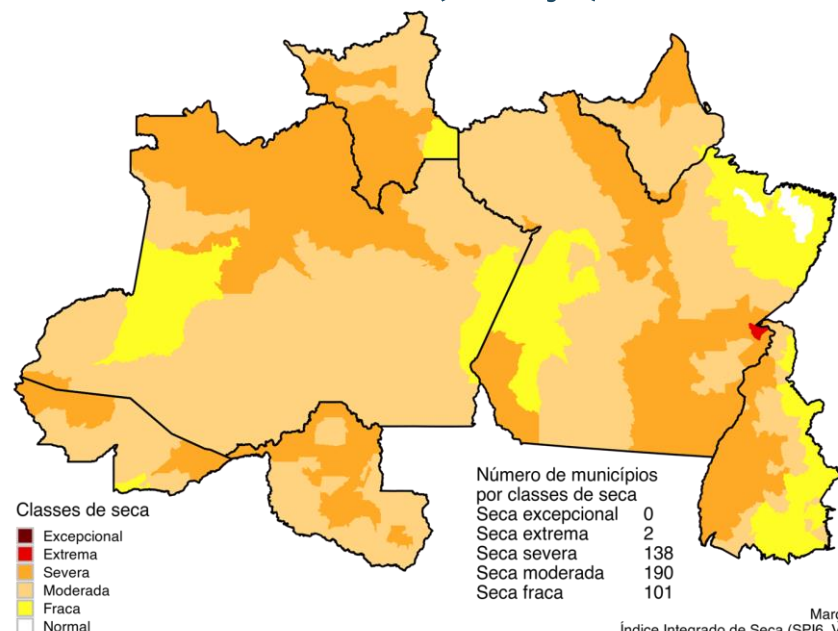
ÍNDICE INTEGRADO DE SECA (3 E 6 MESES): **MUNICÍPIOS**

**IIS-03 OBSERVADO
(MARÇO)**



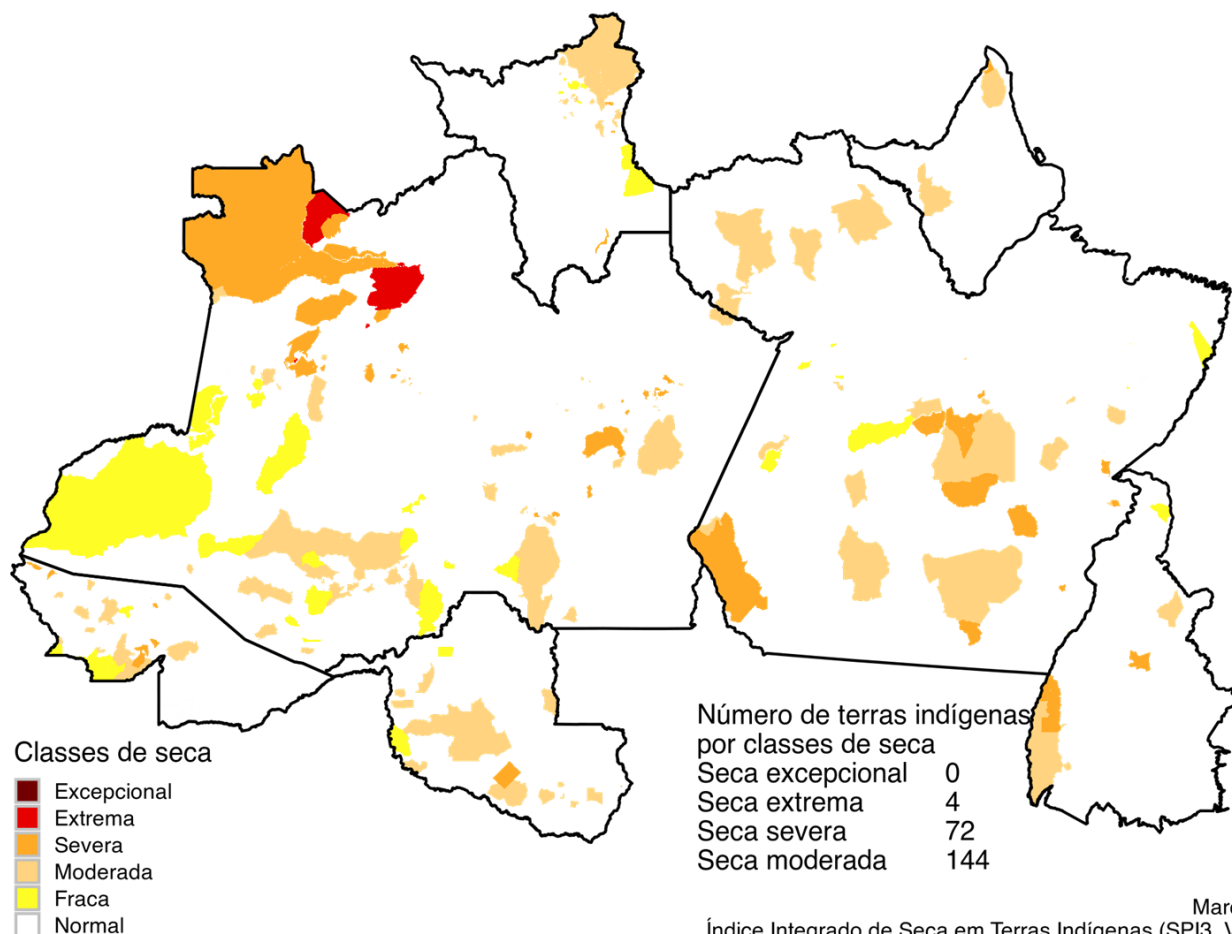
Índice Integrado de Seca (SPI3, VHI, US)
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

**IIS-06 OBSERVADO
(MARÇO)**



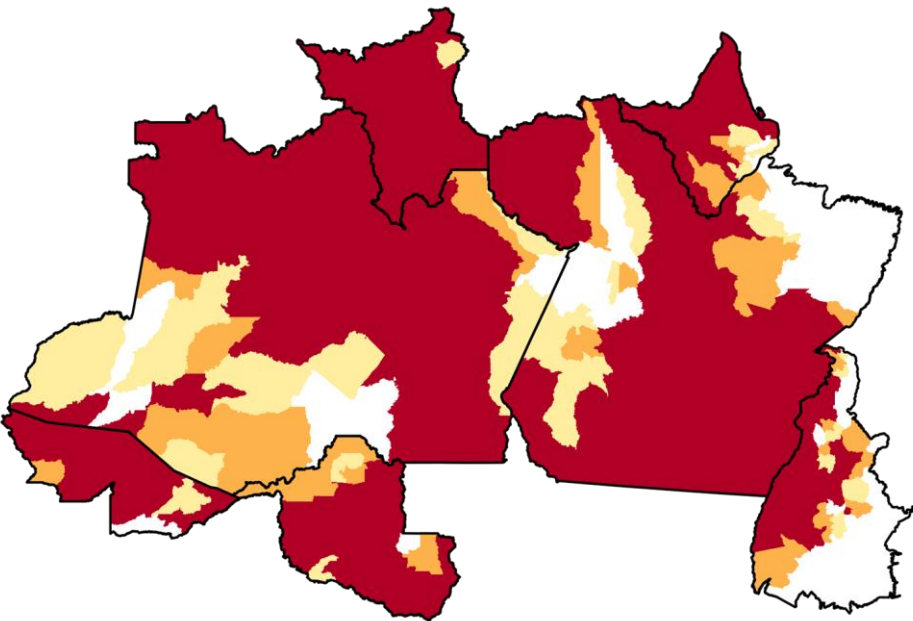
Índice Integrado de Seca (SPI6, VHI, US)
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

ÍNDICE INTEGRADO DE SECA (IIS-03) EM TERRAS INDÍGENAS: MARÇO/2024

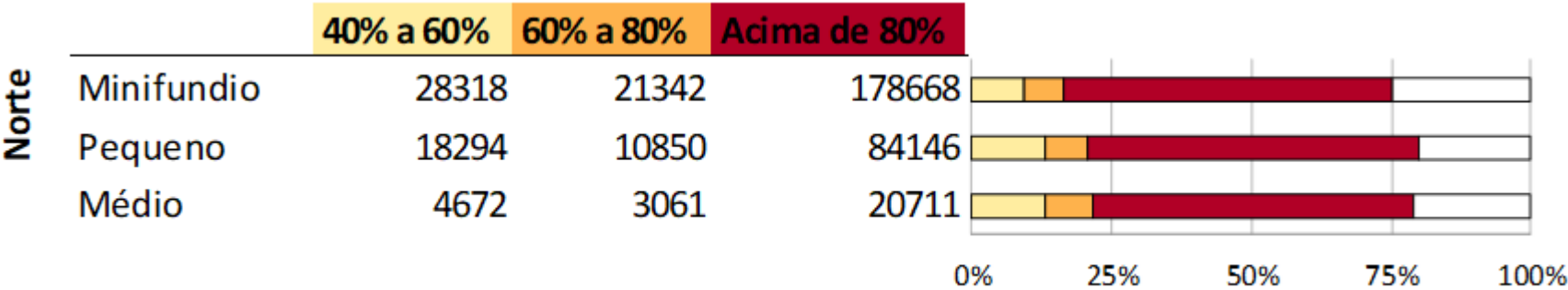


ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

MAR/24



Norte	UF	40% a 60%	60% a 80%	Acima de 80%
	AC	1	2	16
	AM	7	6	40
	AP	2	2	10
	PA	10	6	53
	RO	5	2	43
	RR		1	14
	TO	15	9	58



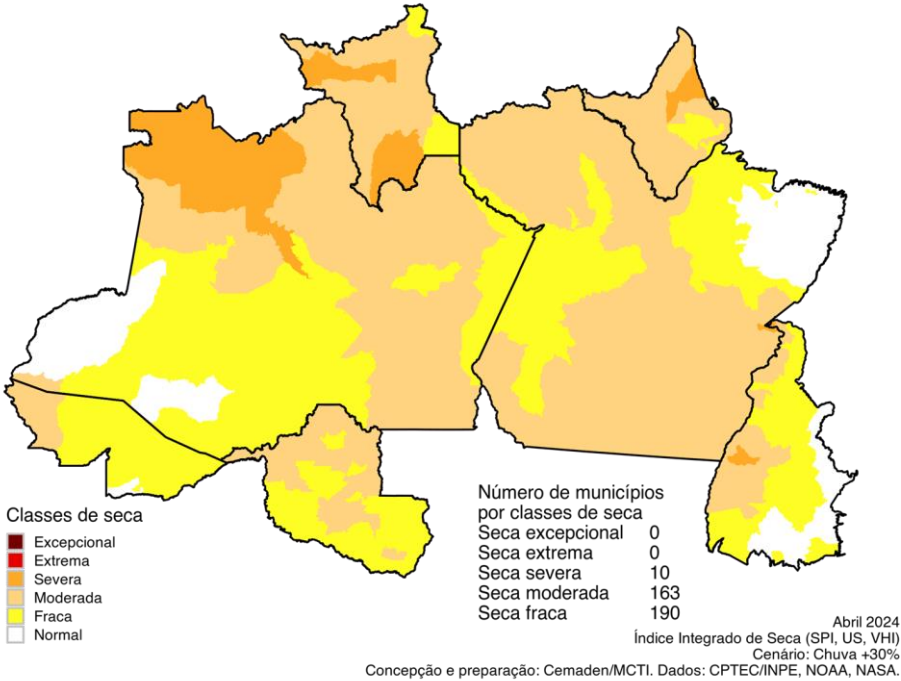
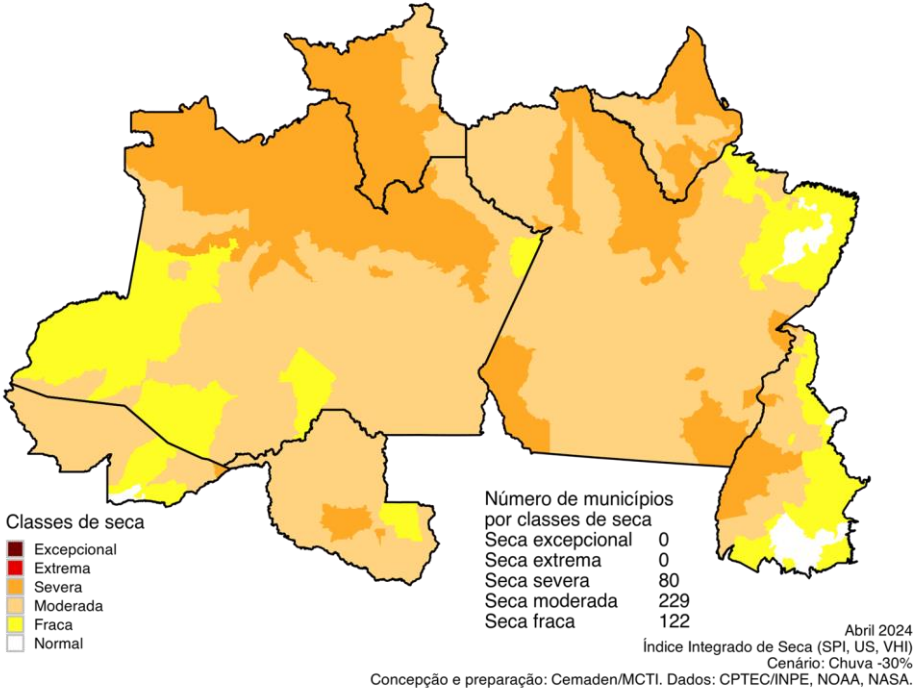
Fonte: Estimativa a partir dos dados do Cadastro Ambiental Rural para minifúndios, pequenas e médias propriedades e IIS-3, Desenvolvimento e Processamento (CEMADEN).

ÍNDICE INTEGRADO DE SECA (3 MESES)

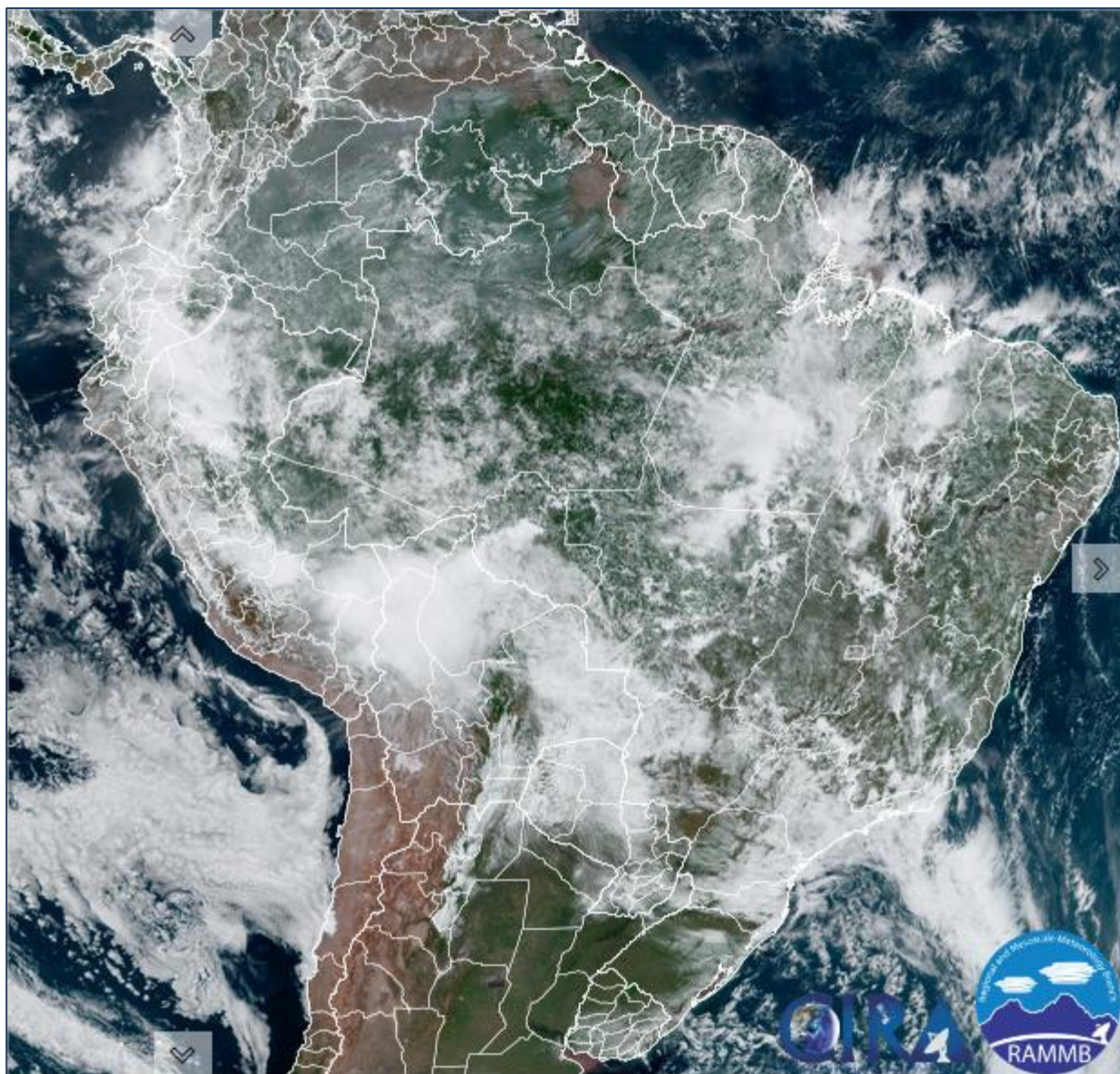
CENÁRIO: ABRIL/24

30% ABAIXO

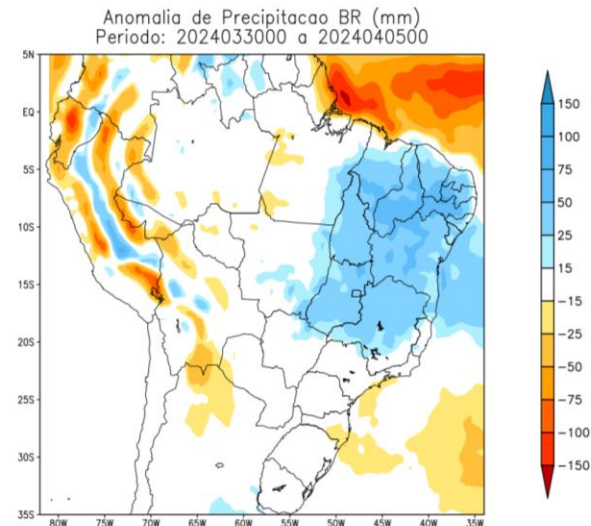
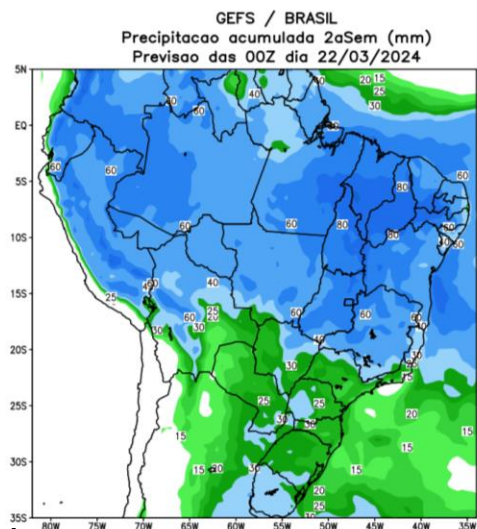
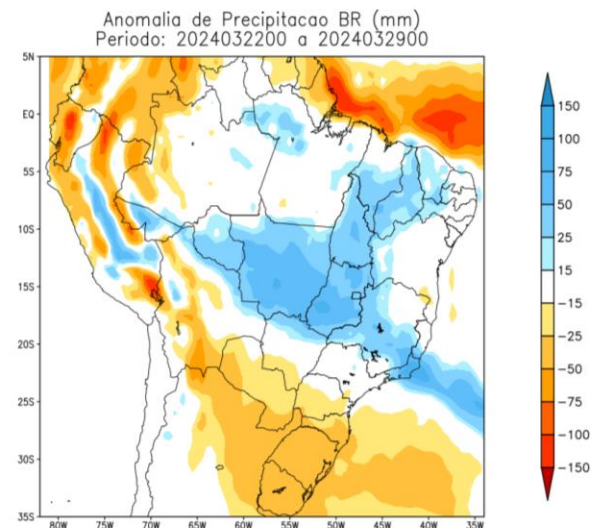
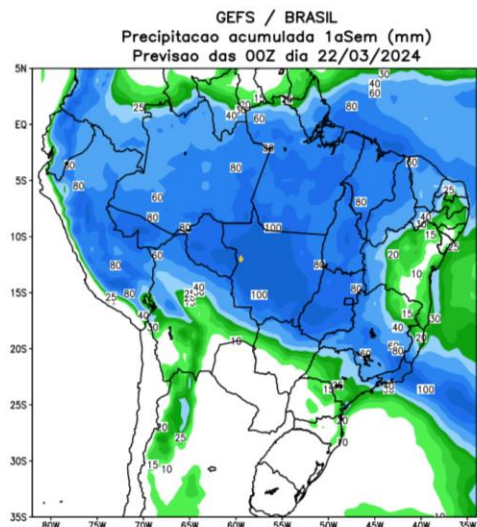
30% ACIMA



Monitoramento da situação da seca na Região Norte



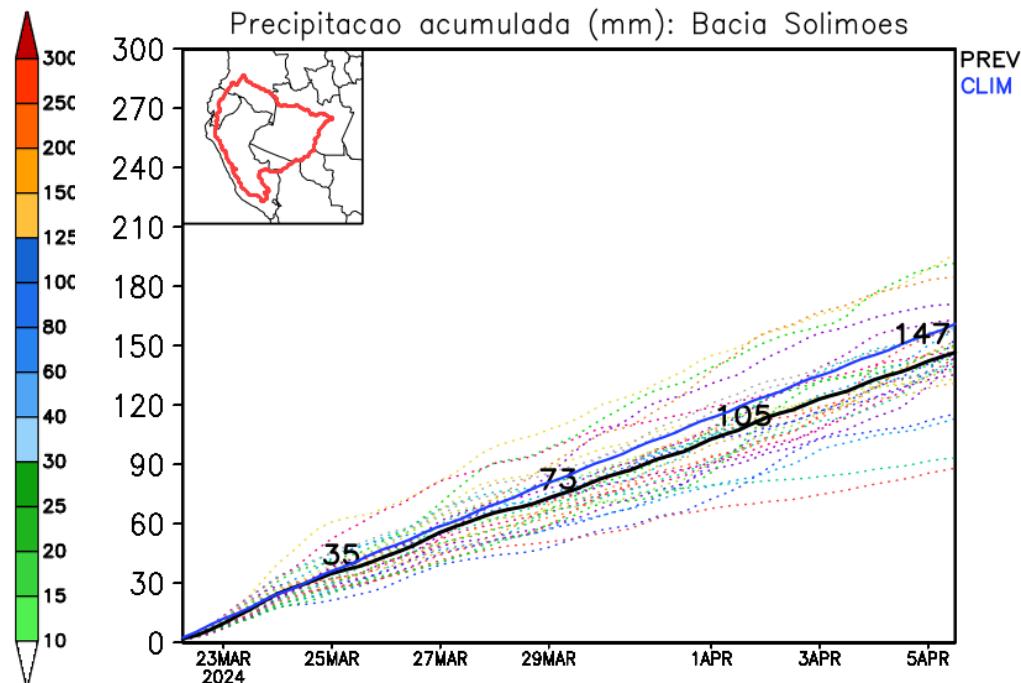
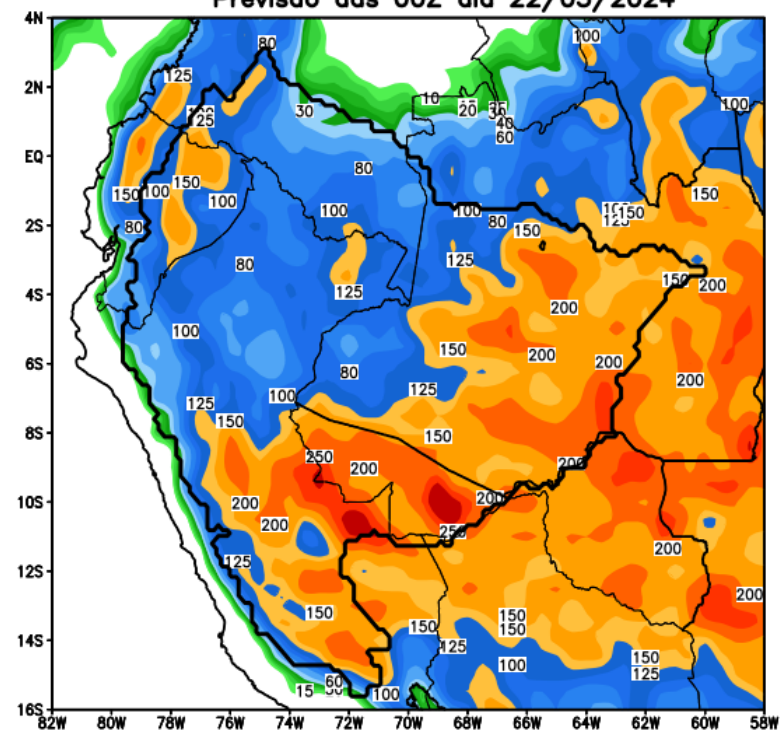
Previsão de chuva próximas duas semanas



Previsão de chuva próximas duas semanas

RIO SOLIMÕES

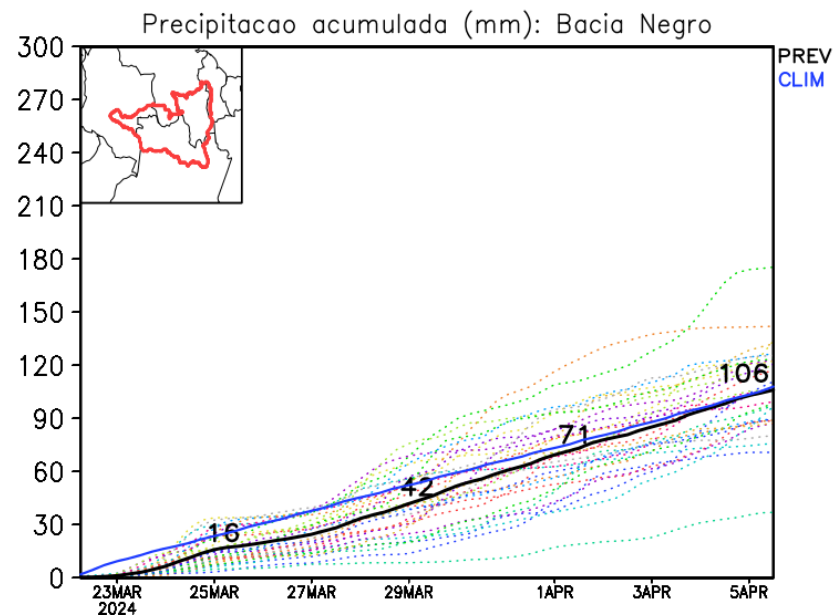
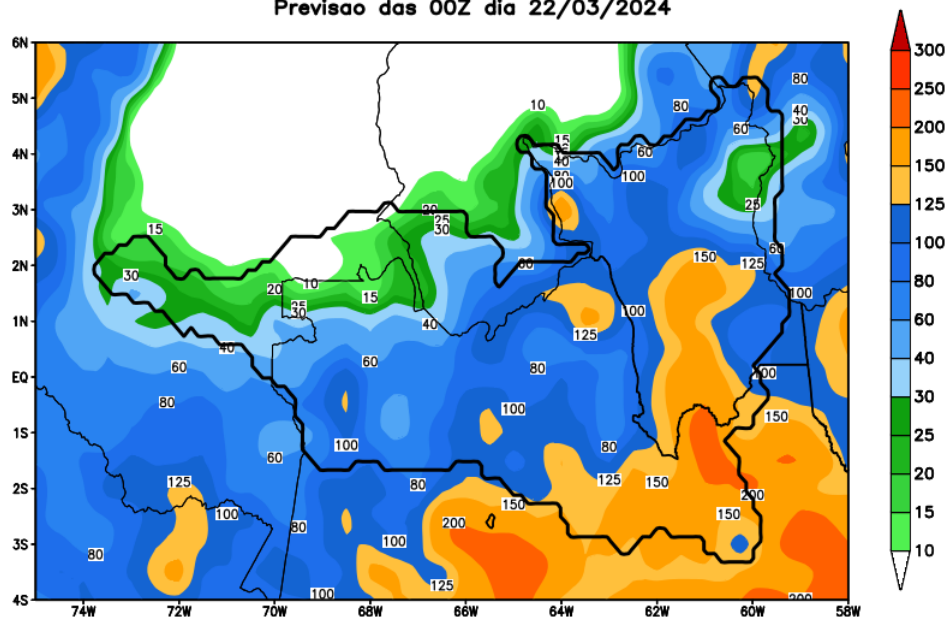
GEFS_BC / Bacia do Rio Solimoes
Prec. acumulada com correção de vies em 14 dias (mm)
Previsão das 00Z dia 22/03/2024



Previsão de chuva próximas duas semanas

RIO NEGRO

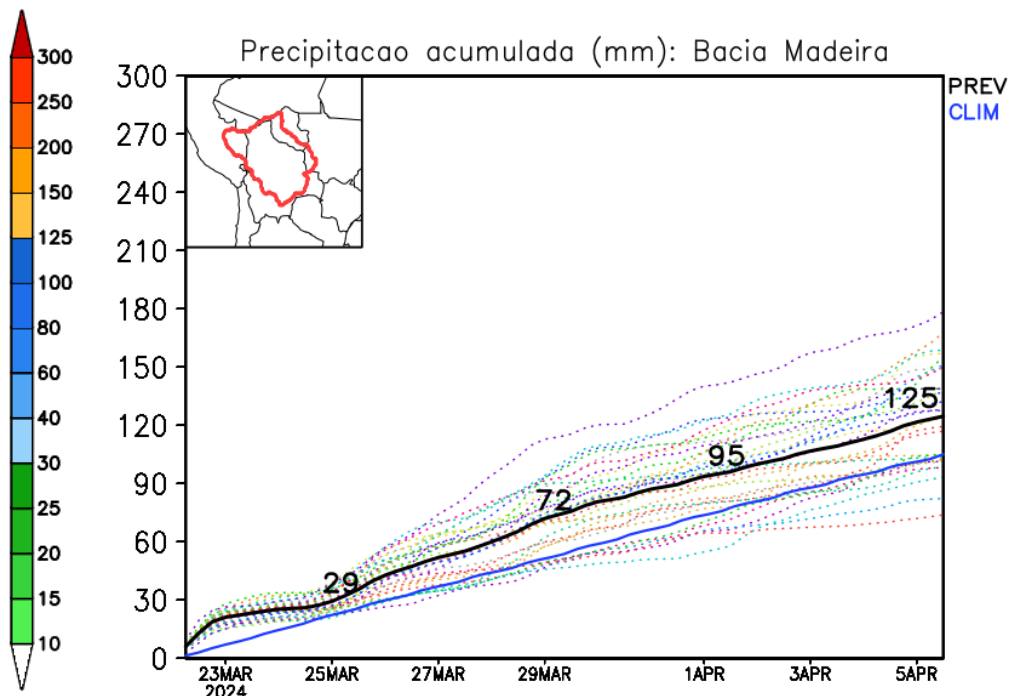
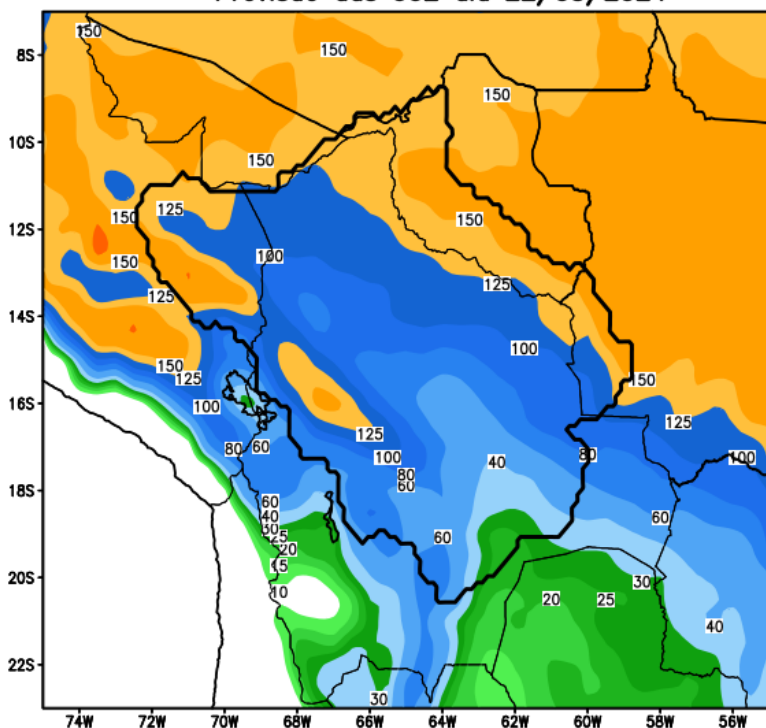
GEFS_BC / Bacia do Rio Negro
Prec. acumulada com correção de vies em 14 dias (mm)
Previsão das 00Z dia 22/03/2024



Previsão de chuva próximas duas semanas

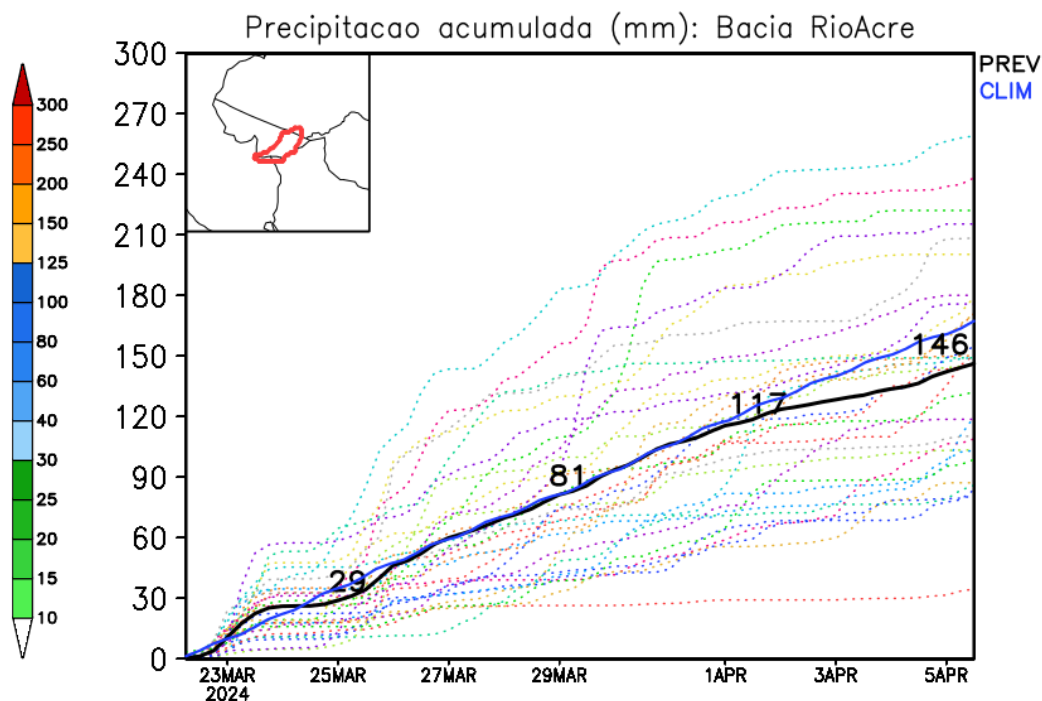
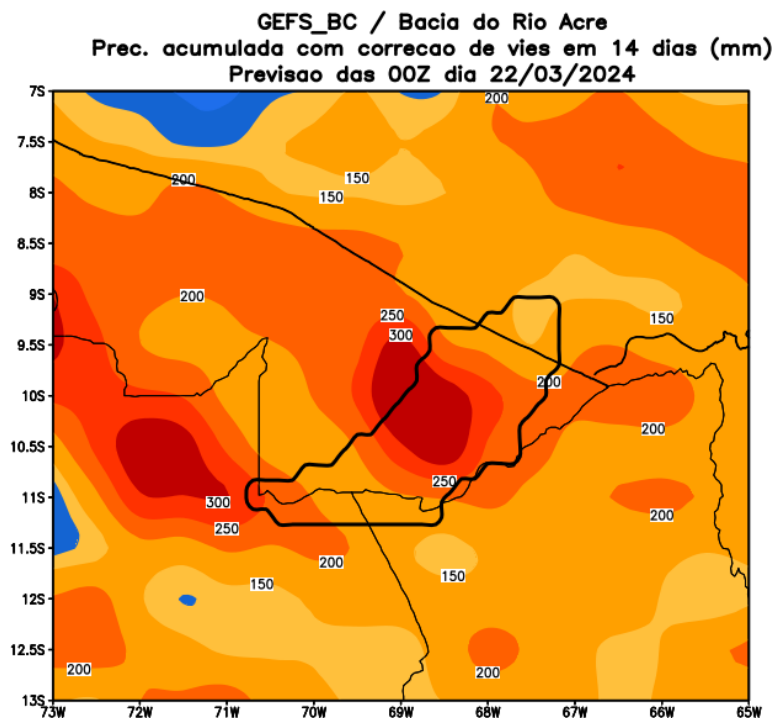
RIO MADEIRA

GEFS / Bacia do Rio Madeira
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 22/03/2024



Previsão de chuva próximas duas semanas

RIO ACRE



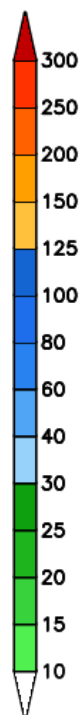
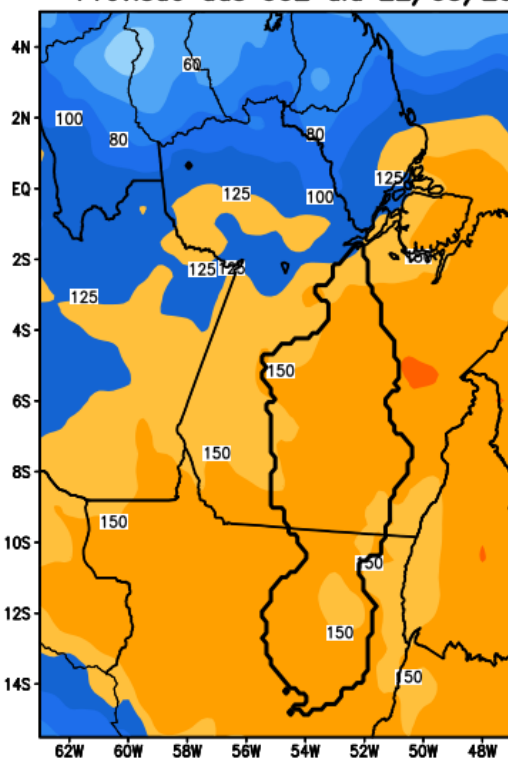
Previsão de chuva próximas duas semanas

RIO Xingu

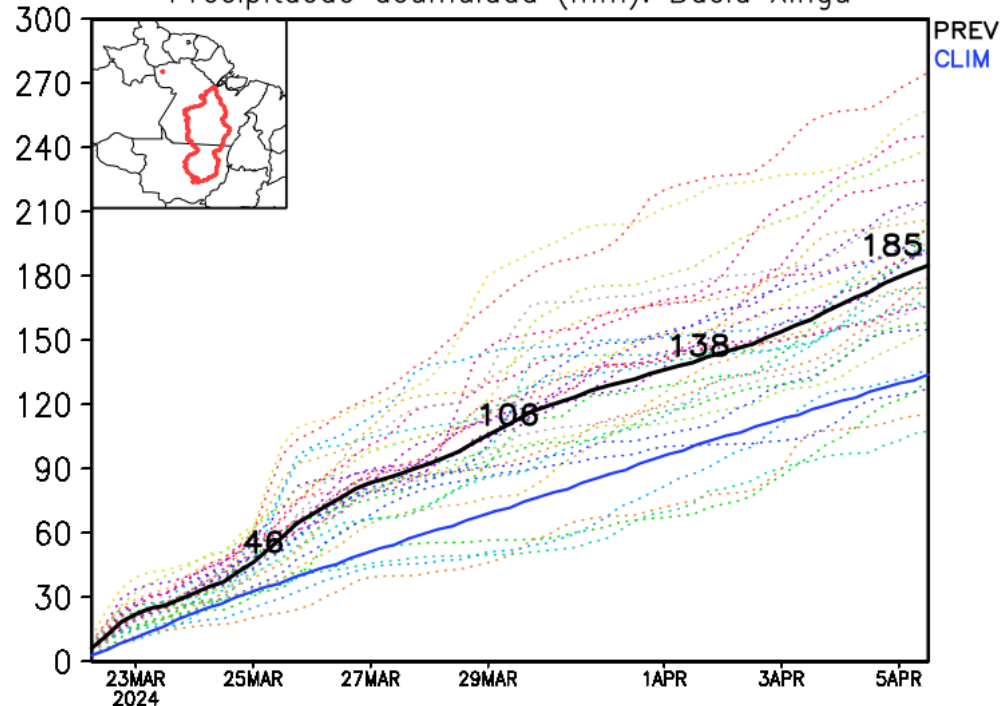
GEFS / Xingu

Precipitação acumulada em 15 dias (mm)

Previsão das 00Z dia 22/03/2024



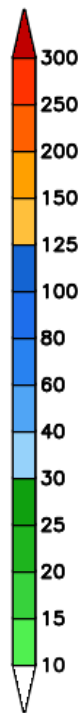
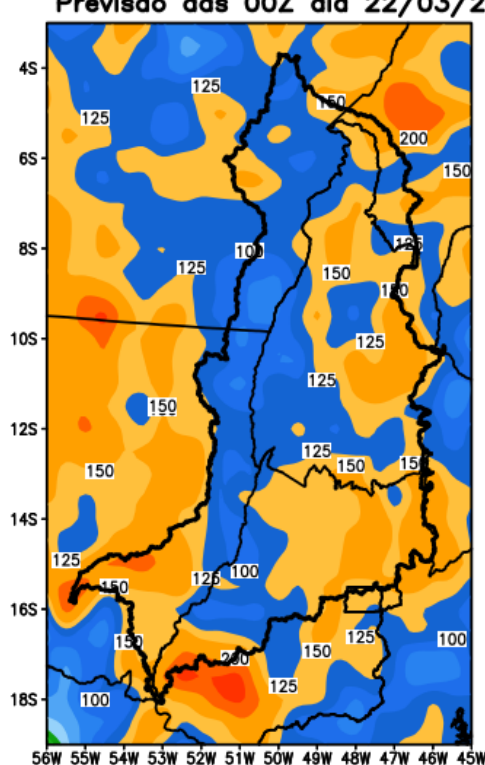
Precipitação acumulada (mm): Bacia Xingu



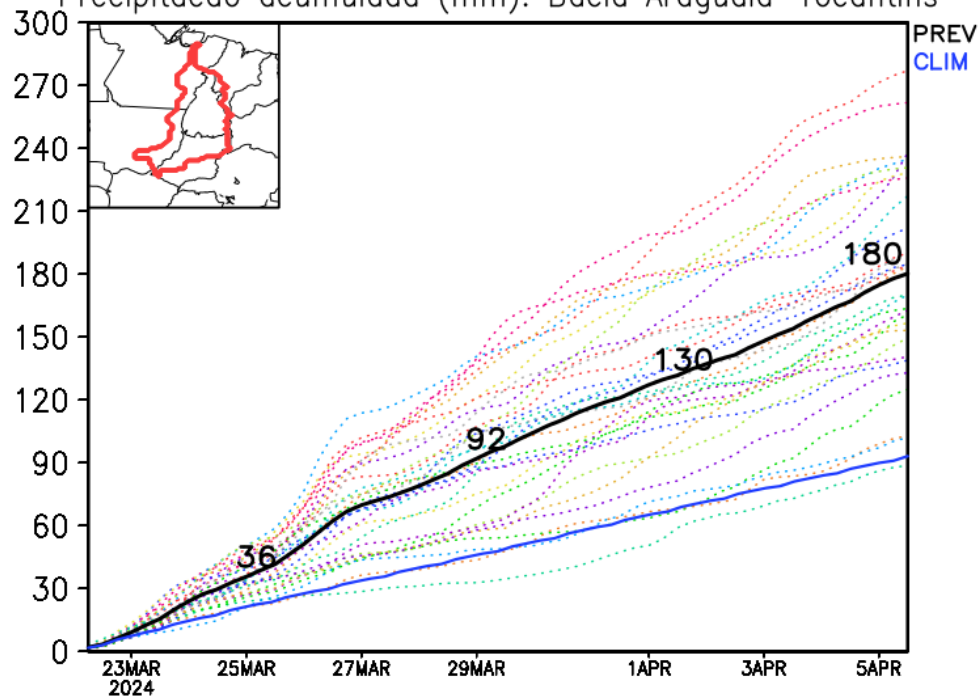
Previsão de chuva próximas duas semanas

RIO Araguaia-Tocantins

GEFS_BC / Bacia Araguaia-Tocantins
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 22/03/2024

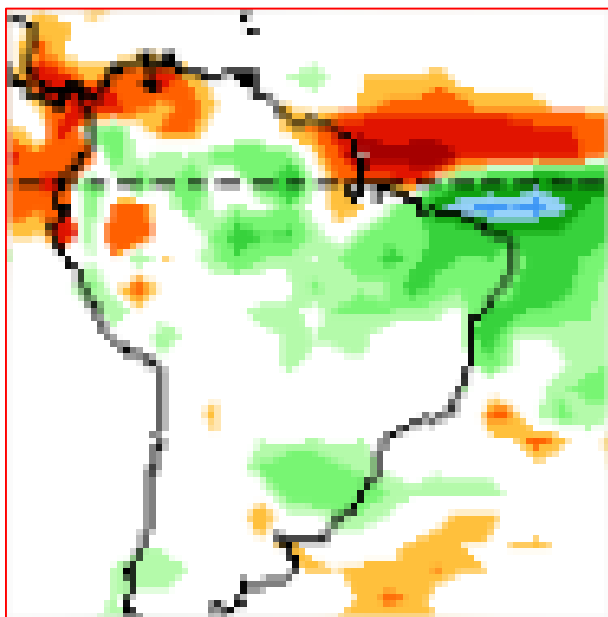


Precipitacao acumulada (mm): Bacia Araguaia-Tocantins

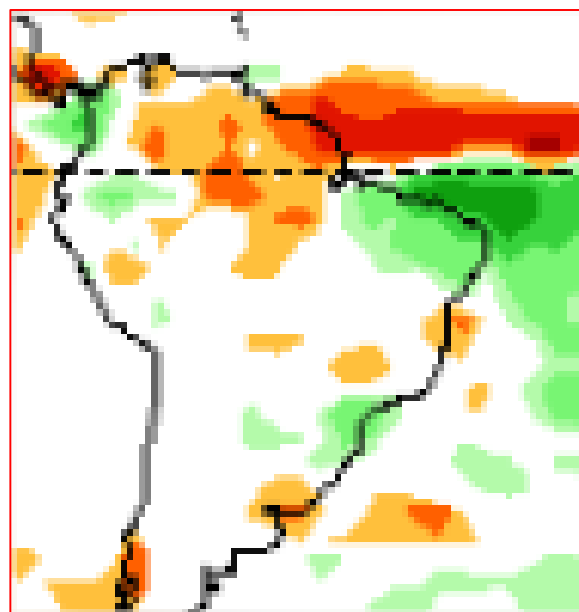


Tendência 3a e 4a semanas

05-11 Abr

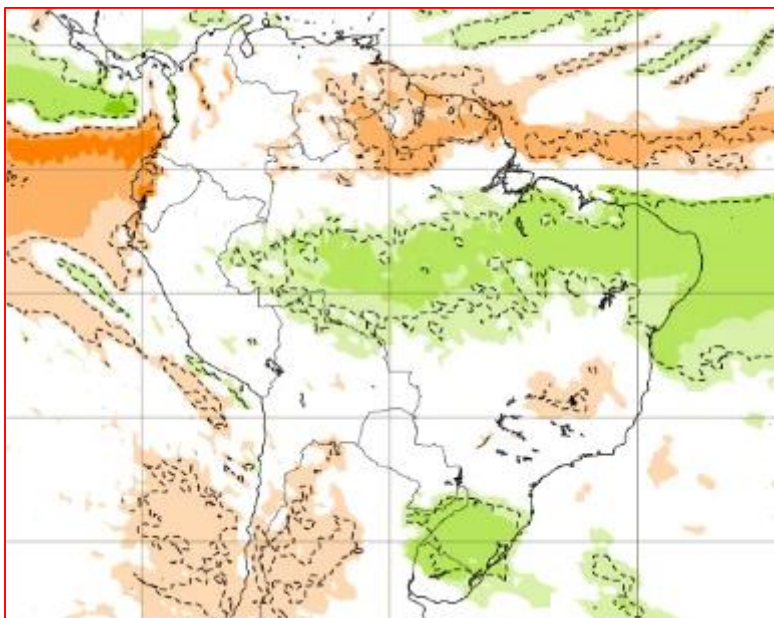


12-18 Abr

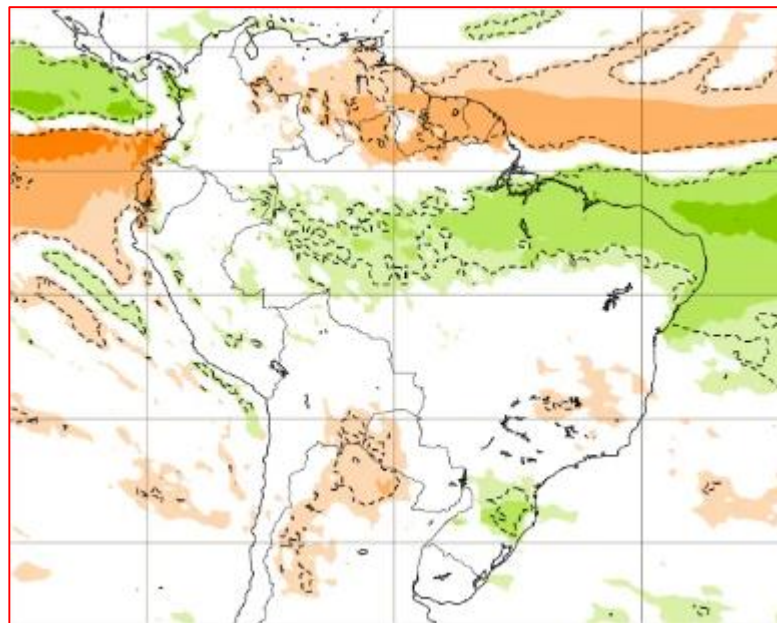


Tendência para 3^a e 4^a semanas

08-15 ABR

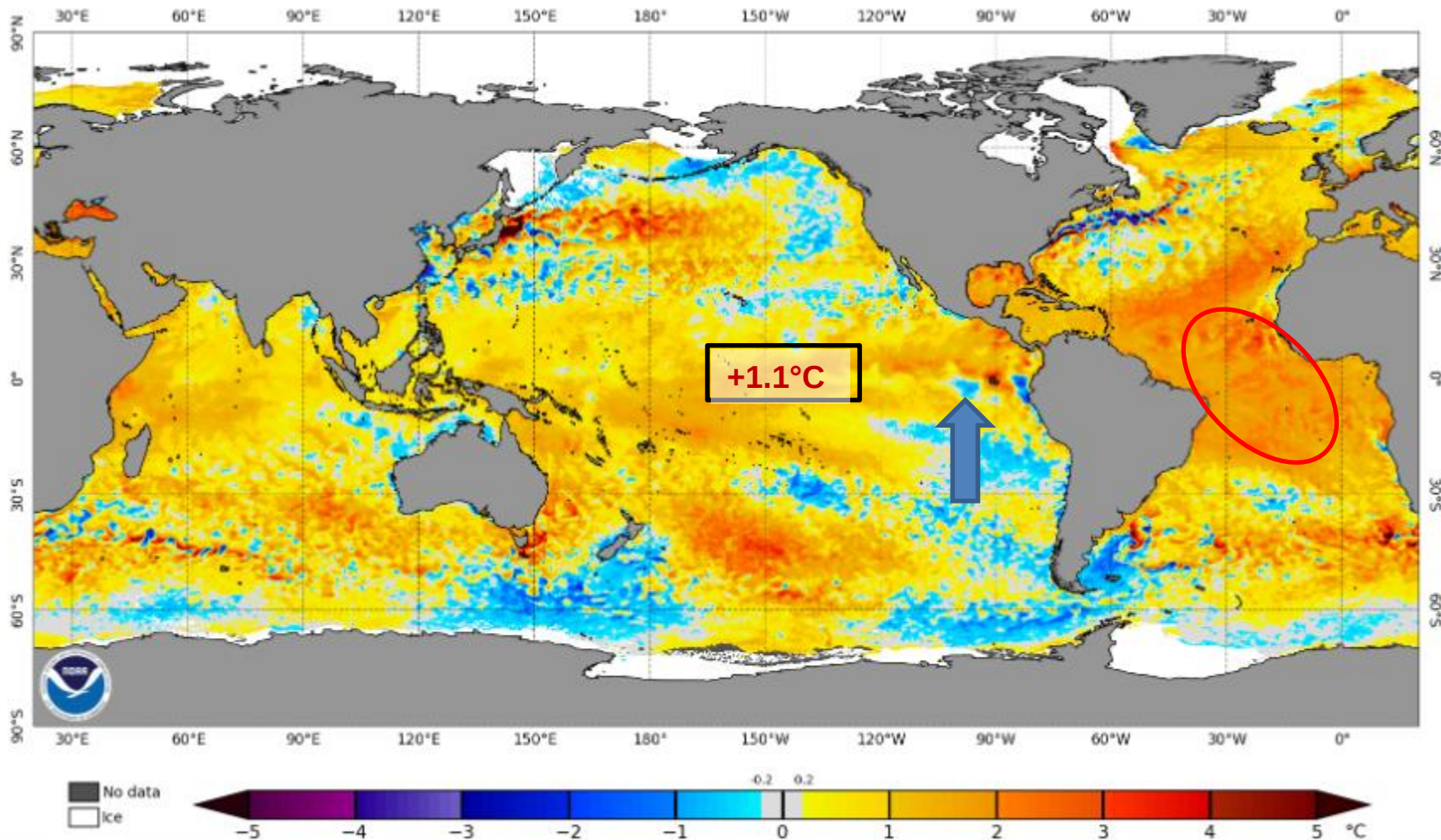


15-22 ABR

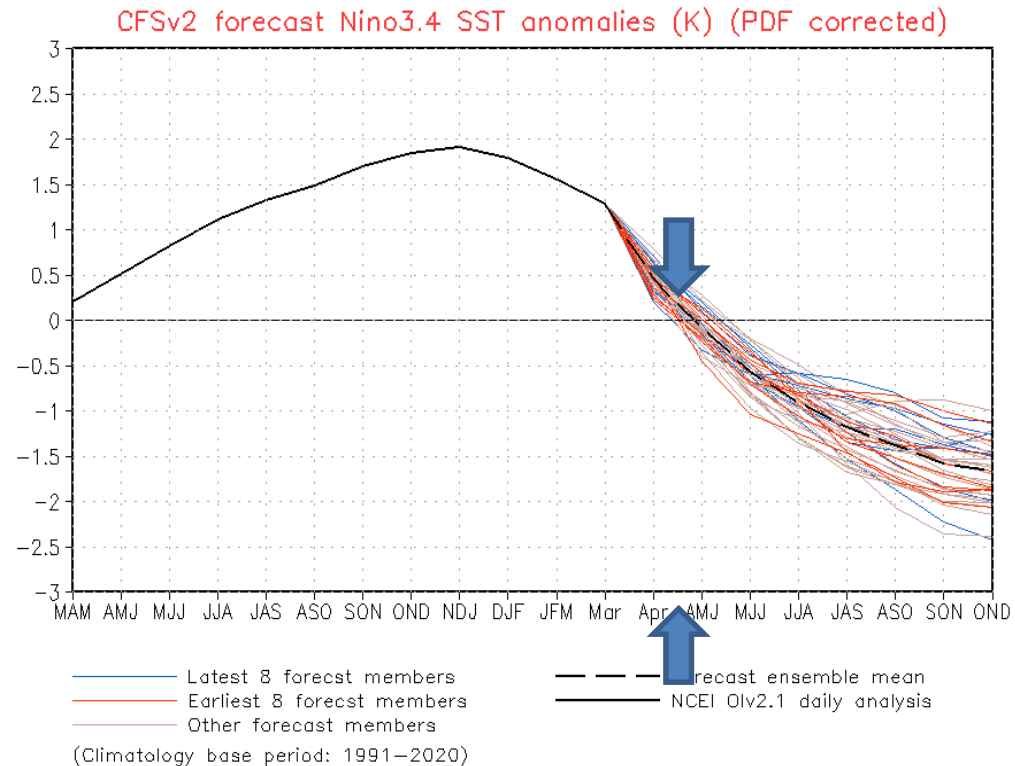
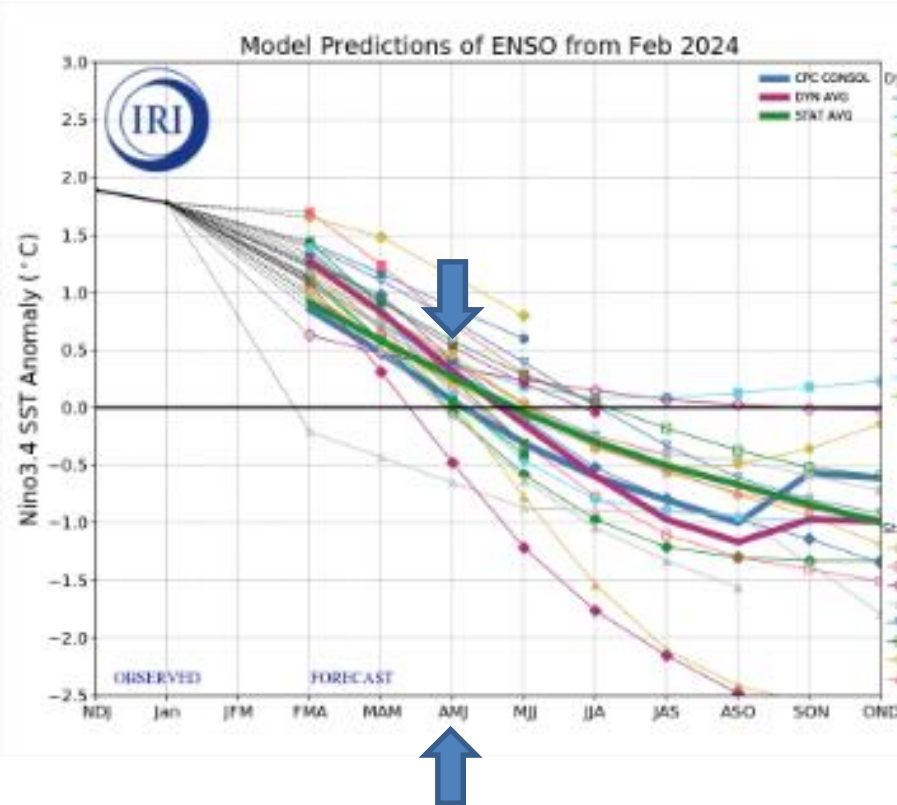


Status Atual: **El Niño/** La Niña Watch

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 18 Mar 2024



Previsão do “ENSO”

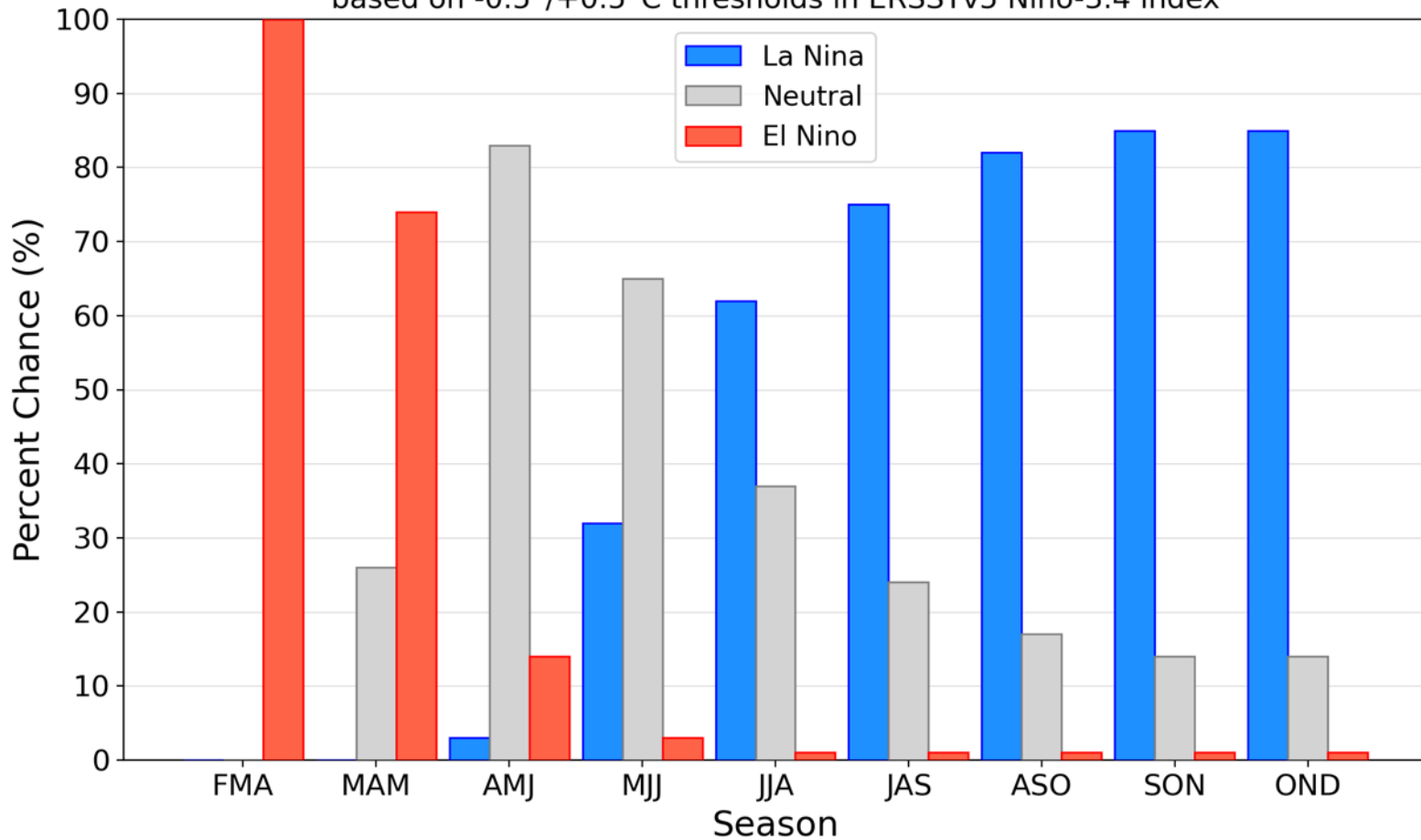


Atualizado 11 de março

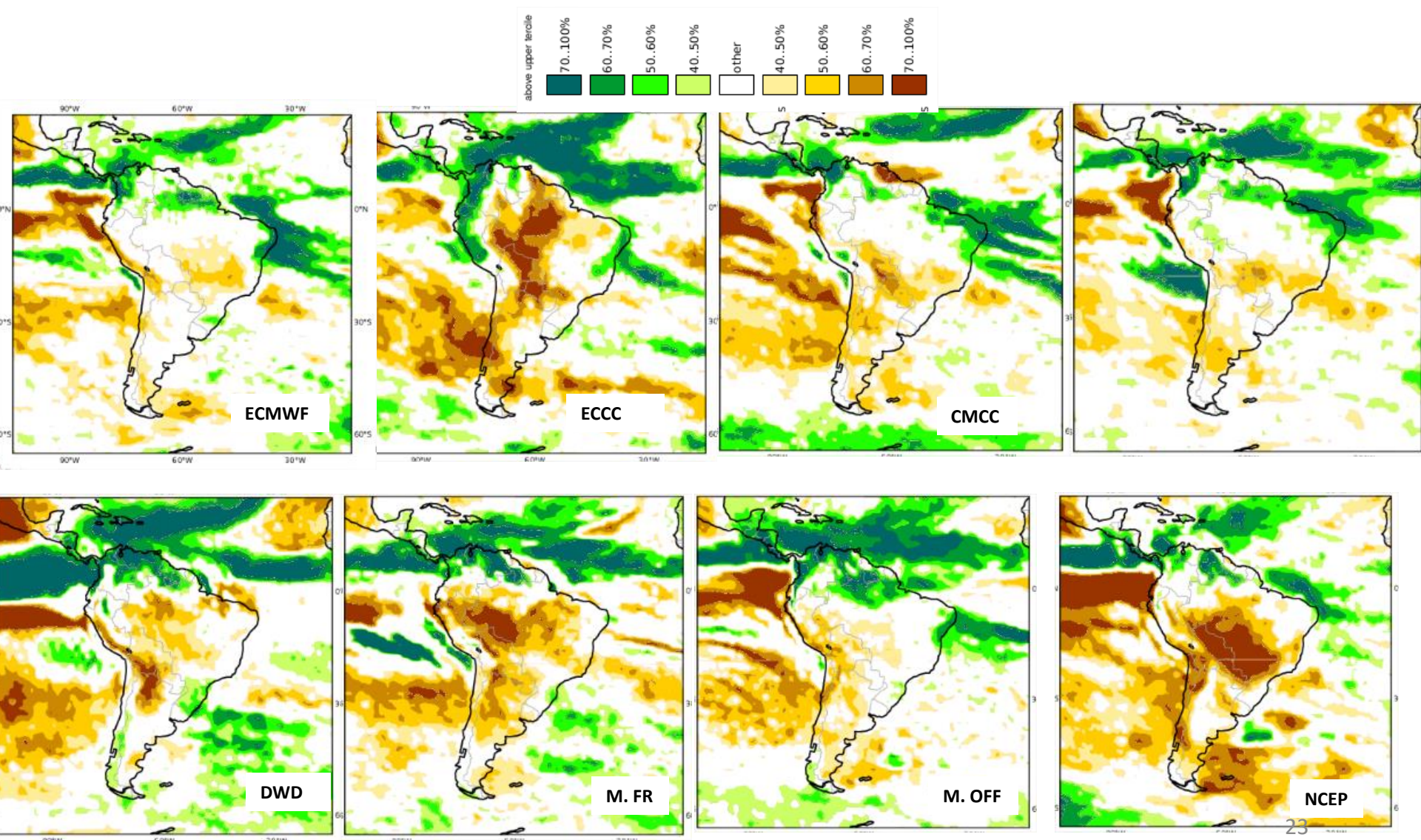
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued Mar. 2024)

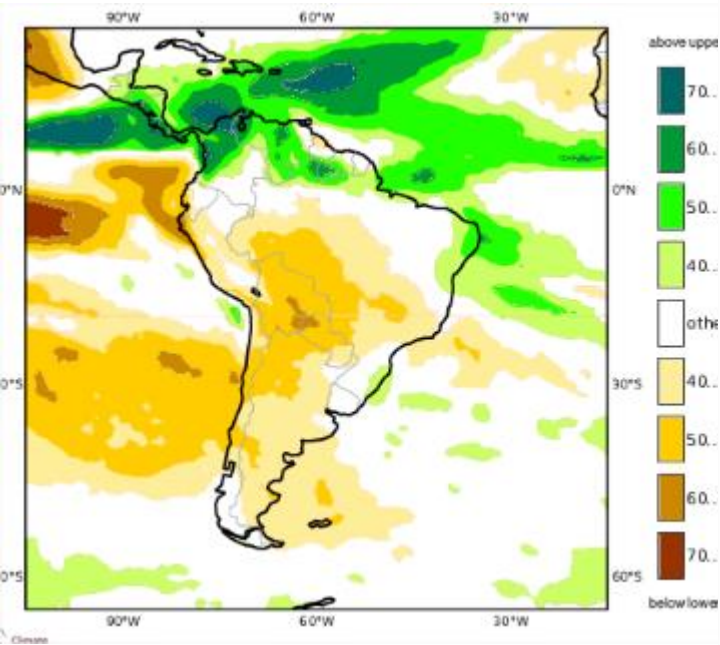
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



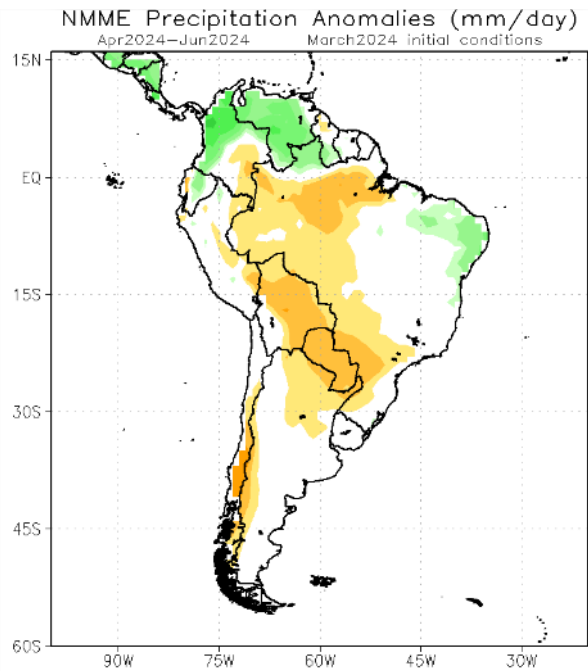
Previsão Sazonal de Chuva AMJ



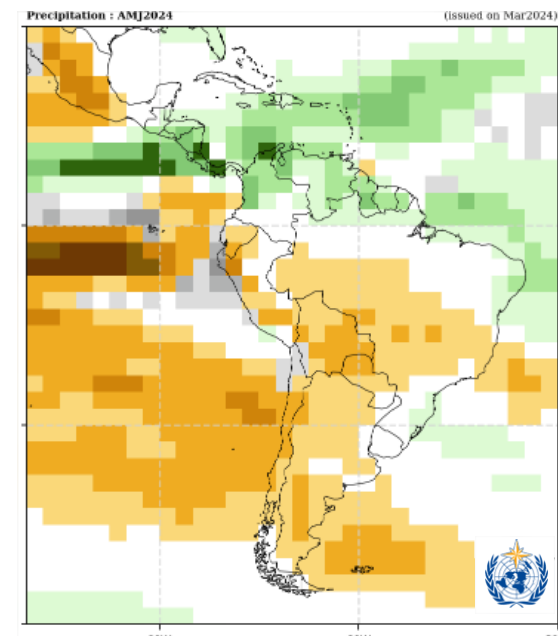
Previsão Sazonal de Chuva Multi-Modelo para AMJ



Modelos Europeus



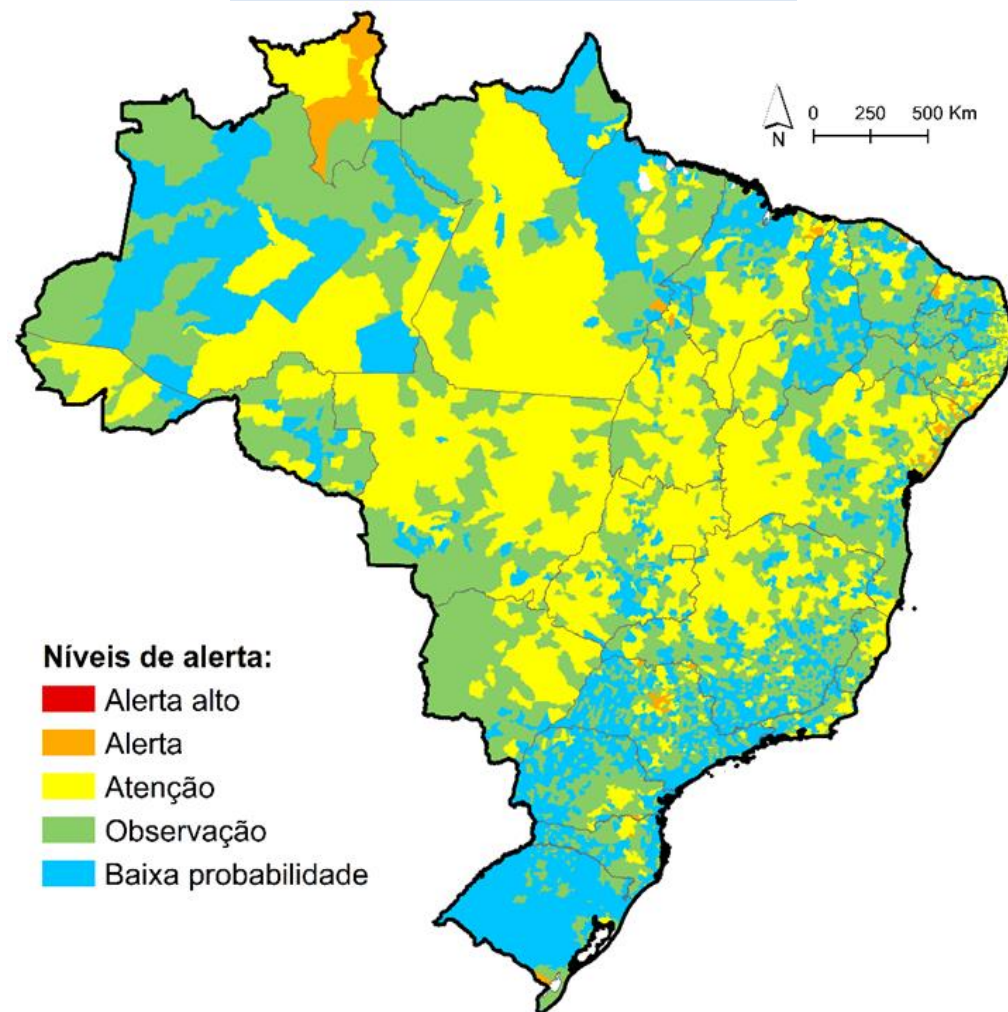
Modelos Americanos



Modelos da Organização
Meteorológica Mundial

Previsão de probabilidade de fogo – Março-Abril-Maio 2024

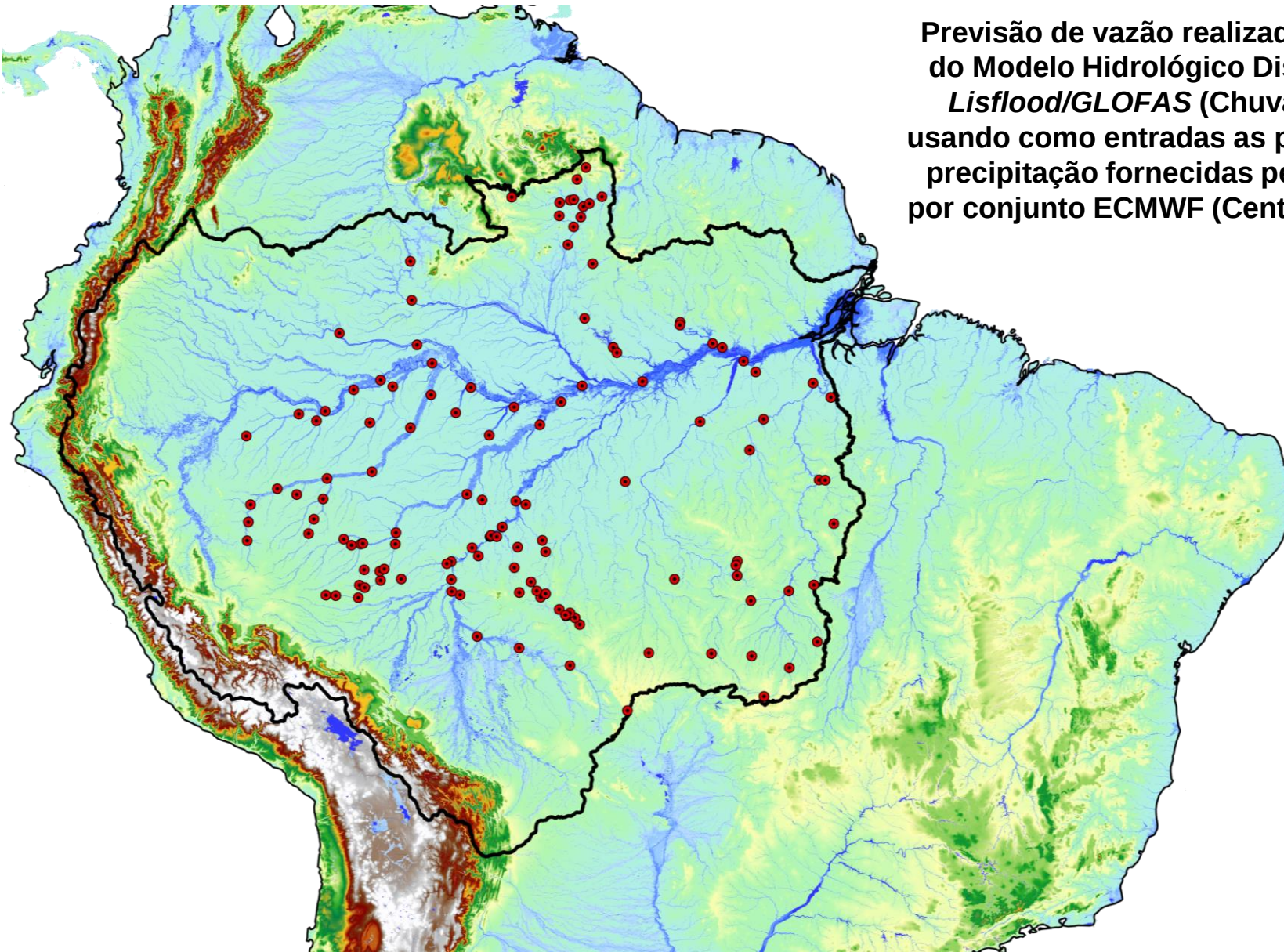
Previsão de alertas por municípios



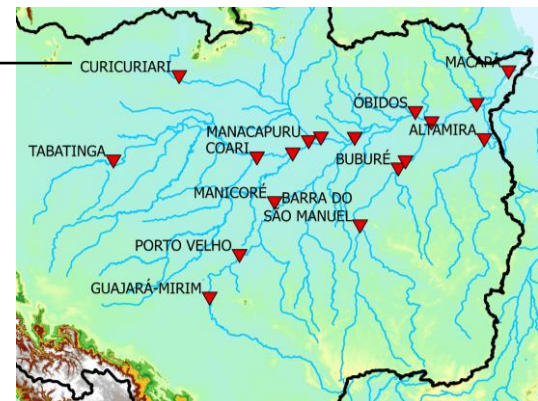
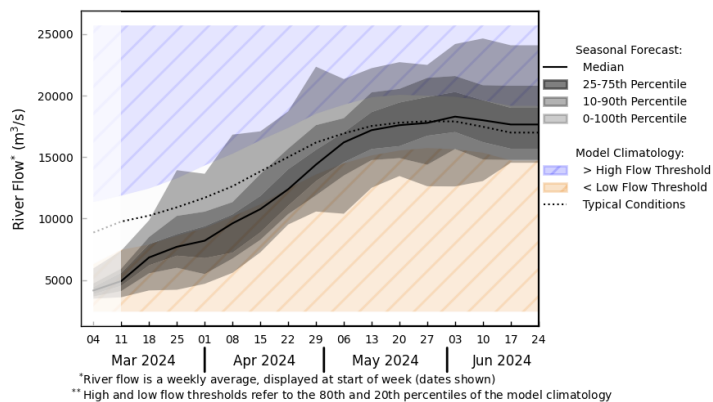
Resultados dos níveis de alerta para municípios brasileiros:

Nível de Alerta	Número de municípios	Área (km²)
Alerta alto	0	-
Alerta	44	113,442
Atenção	889	3,193,666
Observação	2050	3,141,576
Baixa probabilidade	2565	2,037,295

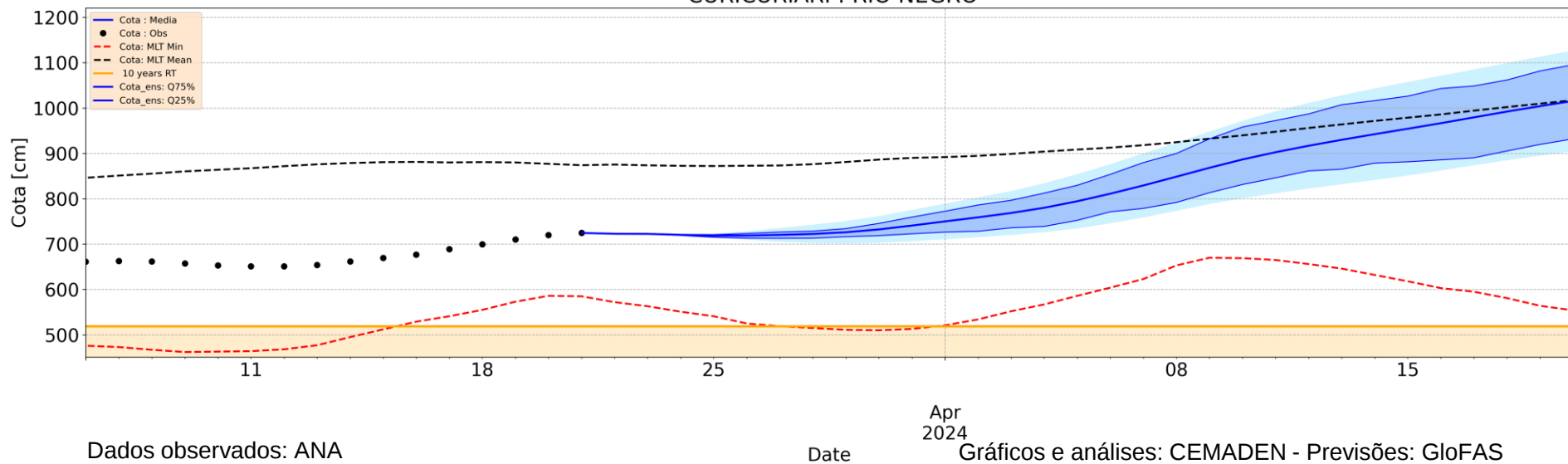
Previsão Hidrológica: Norte

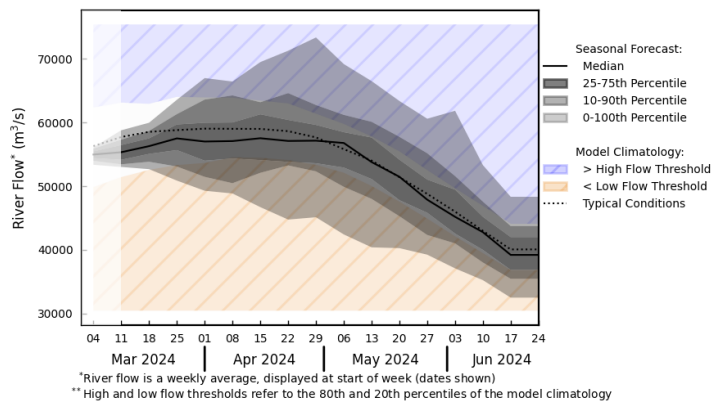


Previsão de vazão realizada por meio do Modelo Hidrológico Distribuído – *Lisflood/GLOFAS* (Chuva-Vazão), usando como entradas as previsões de precipitação fornecidas pelo modelo por conjunto ECMWF (Centro Europeu)

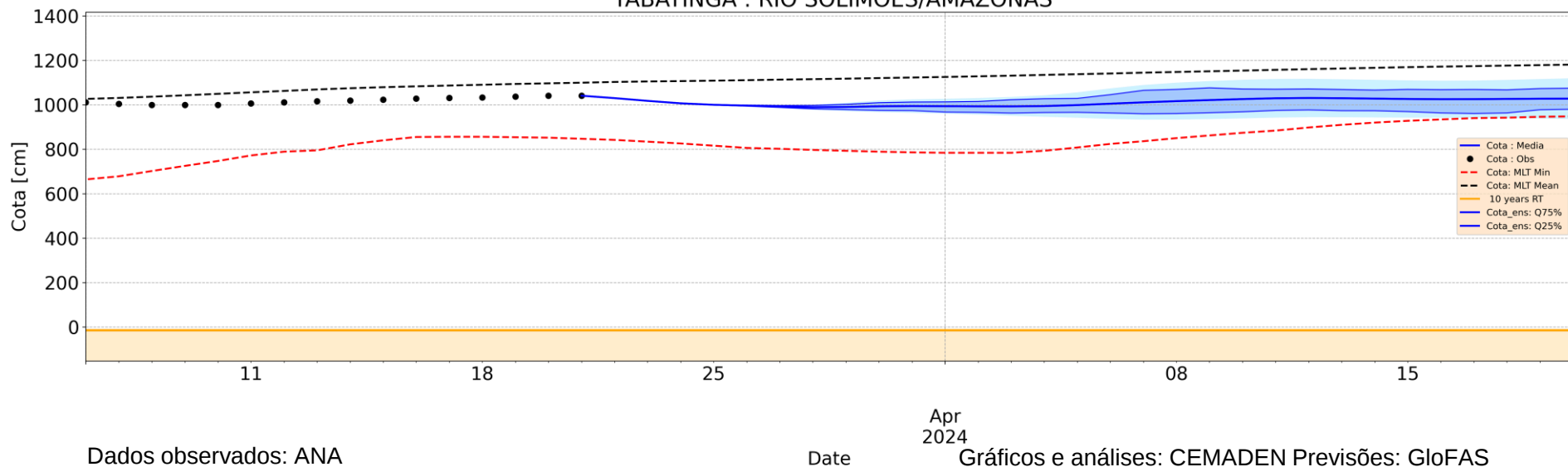


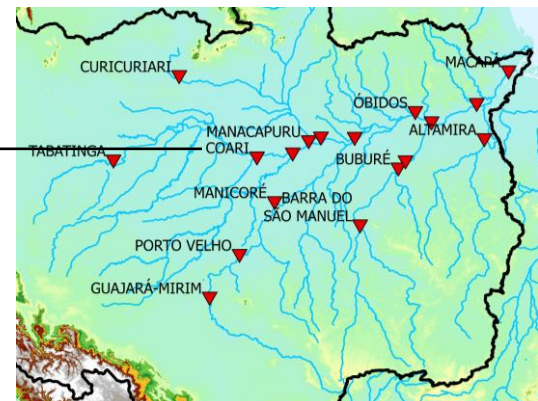
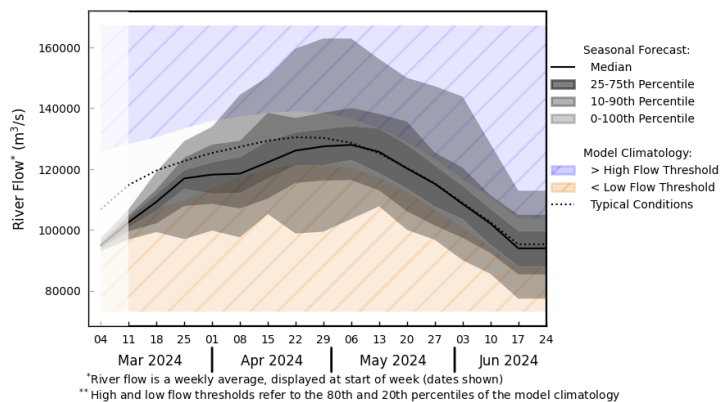
Model Run - 2024-03-21
CURICURIARI : RIO NEGRO



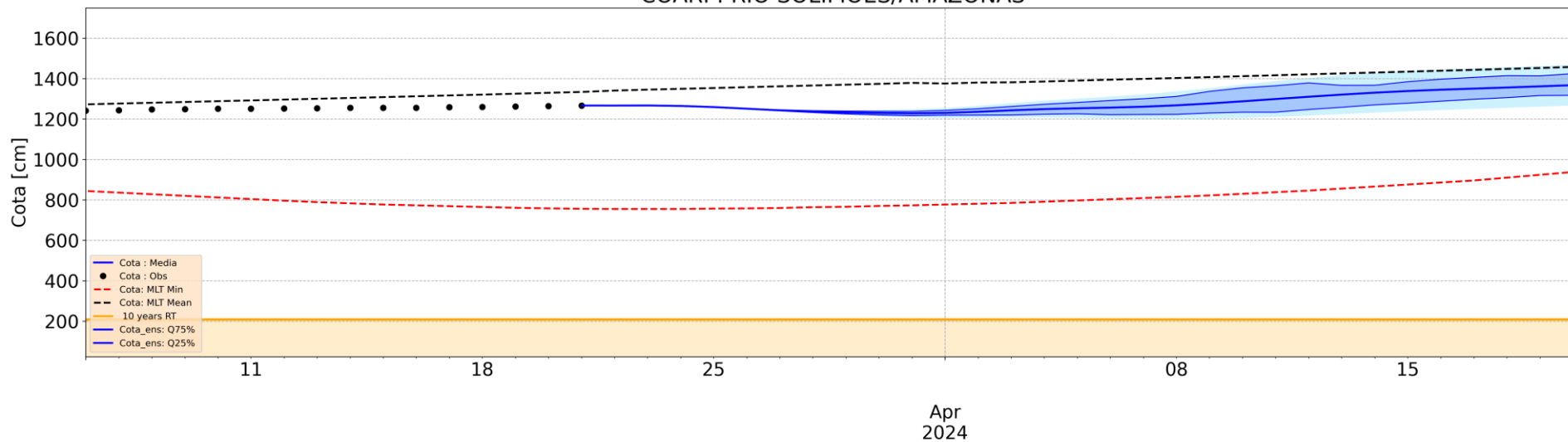


Model Run - 2024-03-21 TABATINGA : RIO SOLIMOEES/AMAZONAS





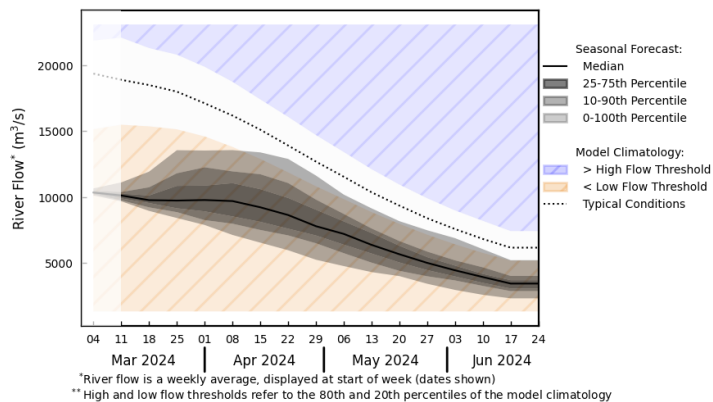
Model Run - 2024-03-21 COARI : RIO SOLIMOES/AMAZONAS



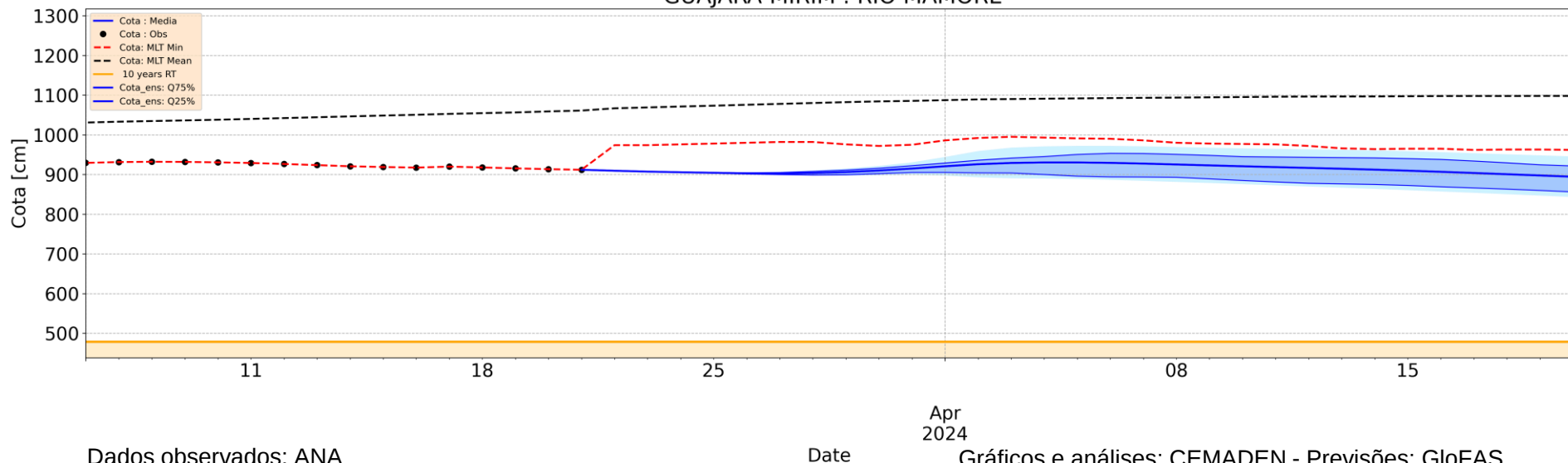
Dados observados: ANA

Date

Gráficos e análises: CEMADEN Previsões: GloFAS



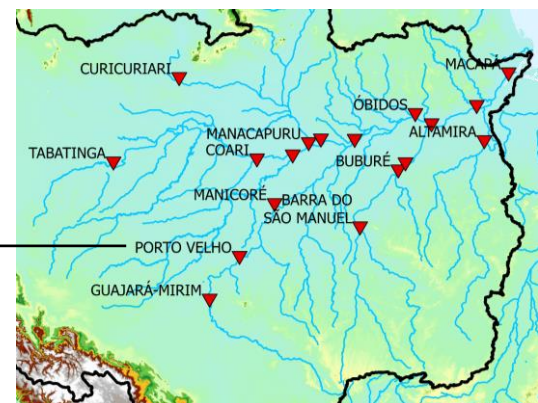
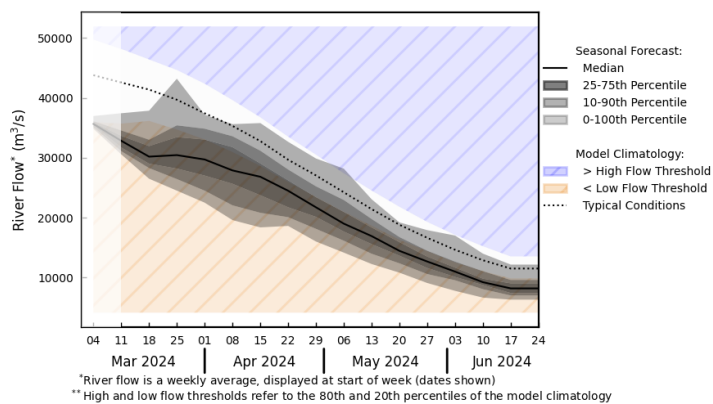
Model Run - 2024-03-21 GUAJARÁ-MIRIM : RIO MAMORE



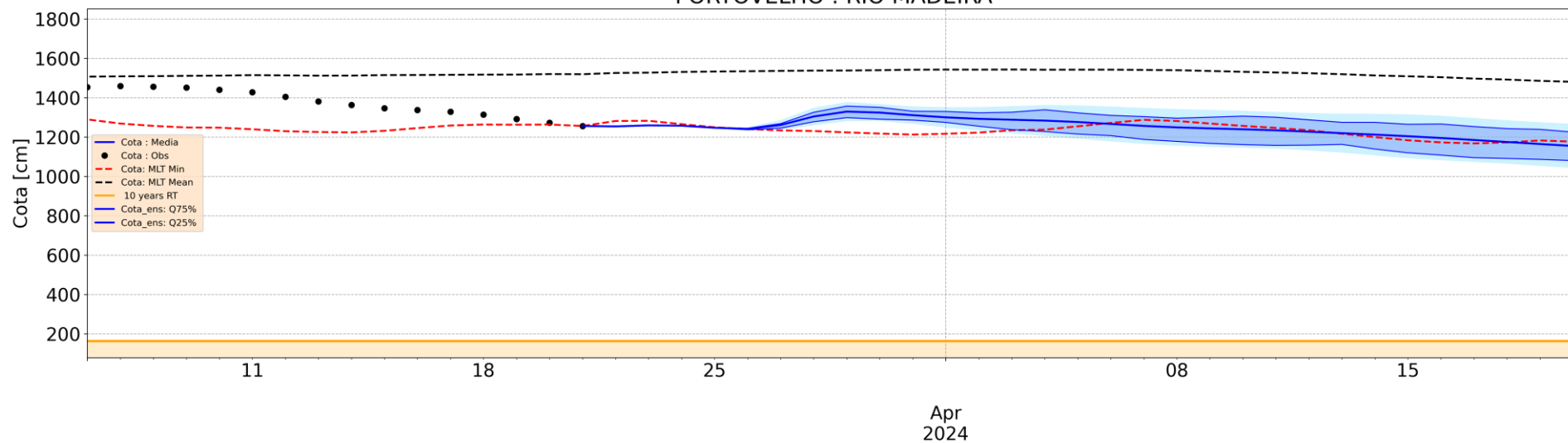
Dados observados: ANA

Date

Gráficos e análises: CEMADEN - Previsões: GloFAS



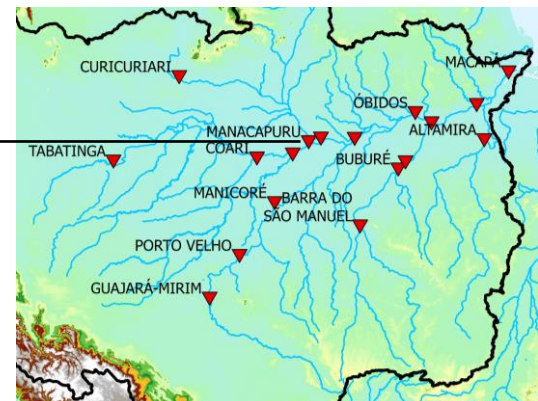
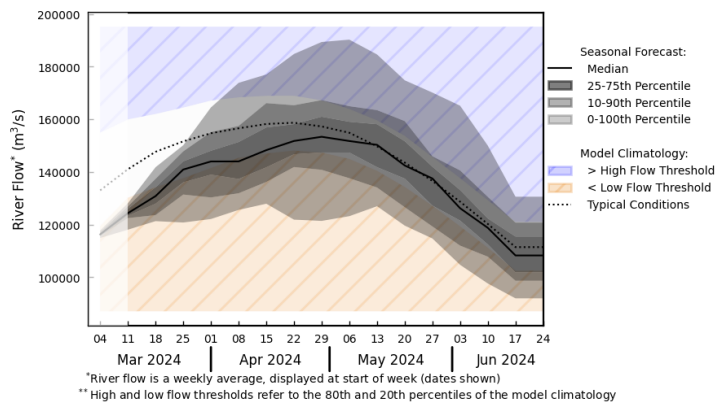
Model Run - 2024-03-21
 PORTOVELHO : RIO MADEIRA



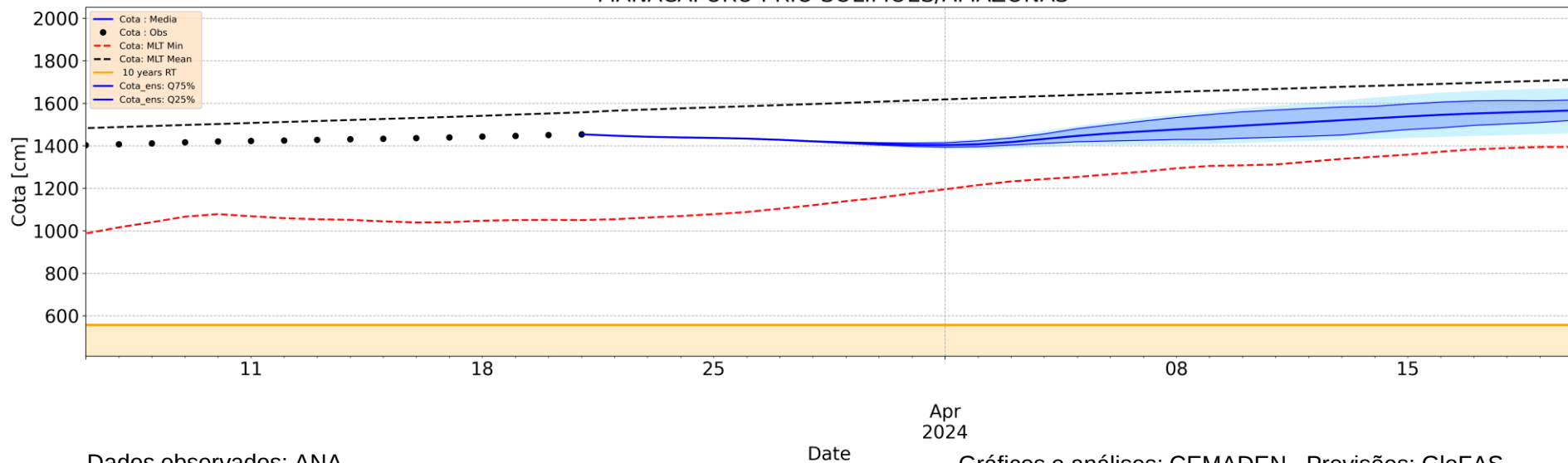
Dados observados: ANA

Date

Gráficos e análises: CEMADEN - Previsões: GloFAS

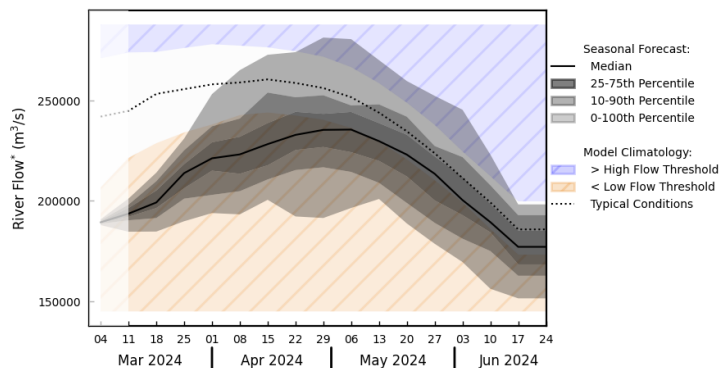


Model Run - 2024-03-21
 MANACAPURU : RIO SOLIMÕES/AMAZONAS



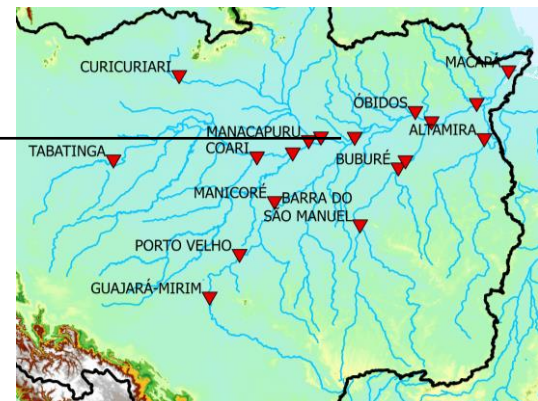
Dados observados: ANA

Gráficos e análises: CEMADEN - Previsões: GloFAS

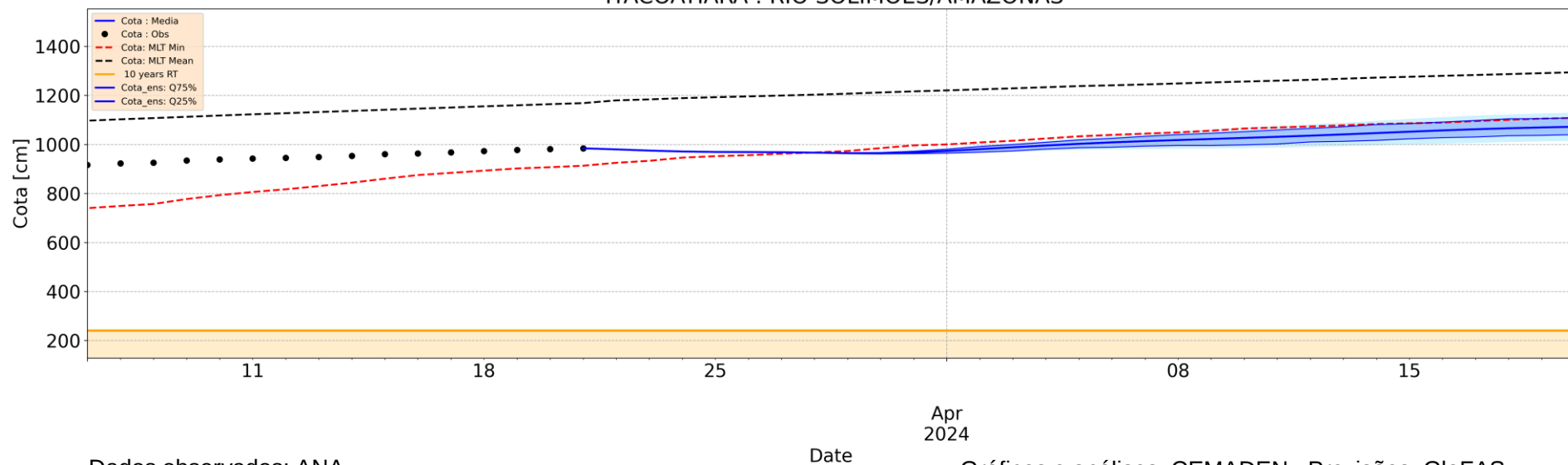


*River flow is a weekly average, displayed at start of week (dates shown)

** High and low flow thresholds refer to the 80th and 20th percentiles of the model climatology

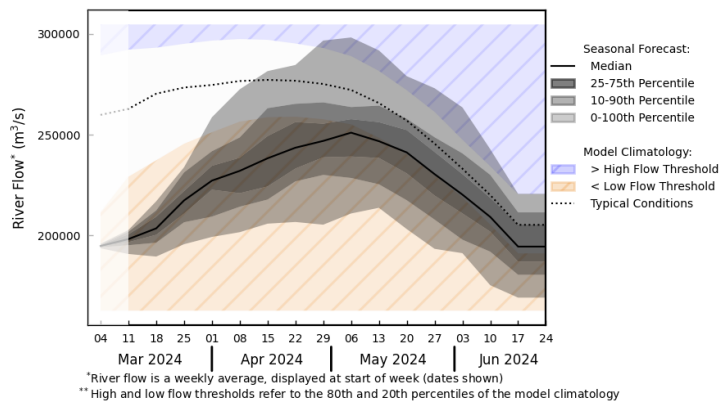


Model Run - 2024-03-21 ITACOATIARA : RIO SOLIMÕES/AMAZONAS

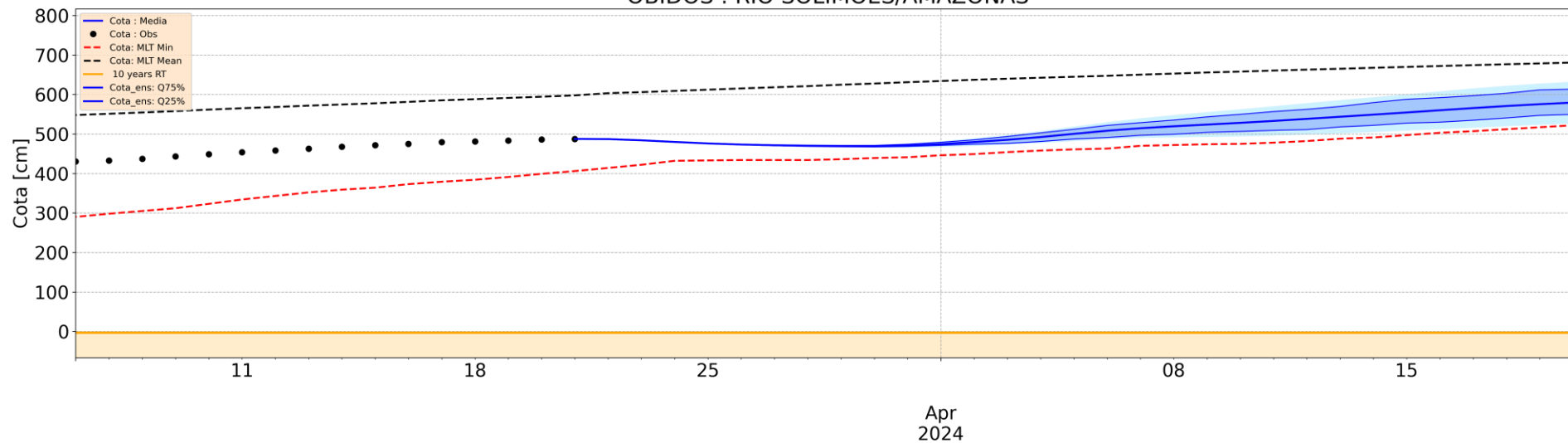


Dados observados: ANA

Gráficos e análises: CEMADEN - Previsões: GloFAS



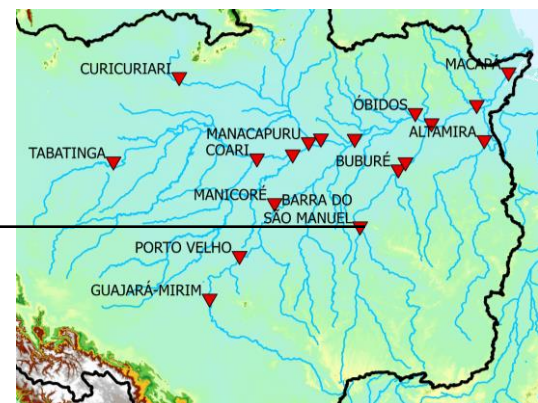
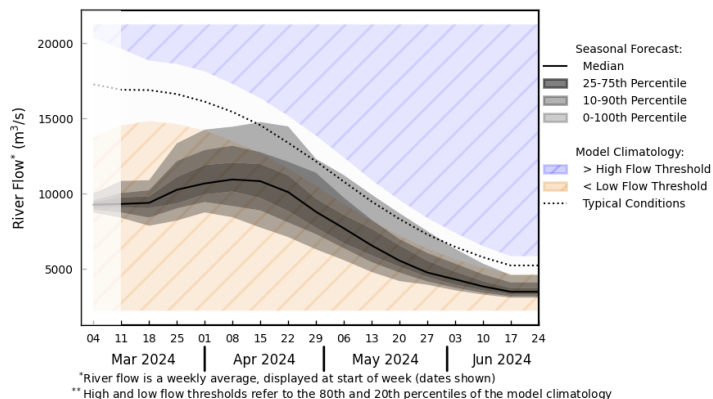
Model Run - 2024-03-21 OBIDOS : RIO SOLIMÕES/AMAZONAS



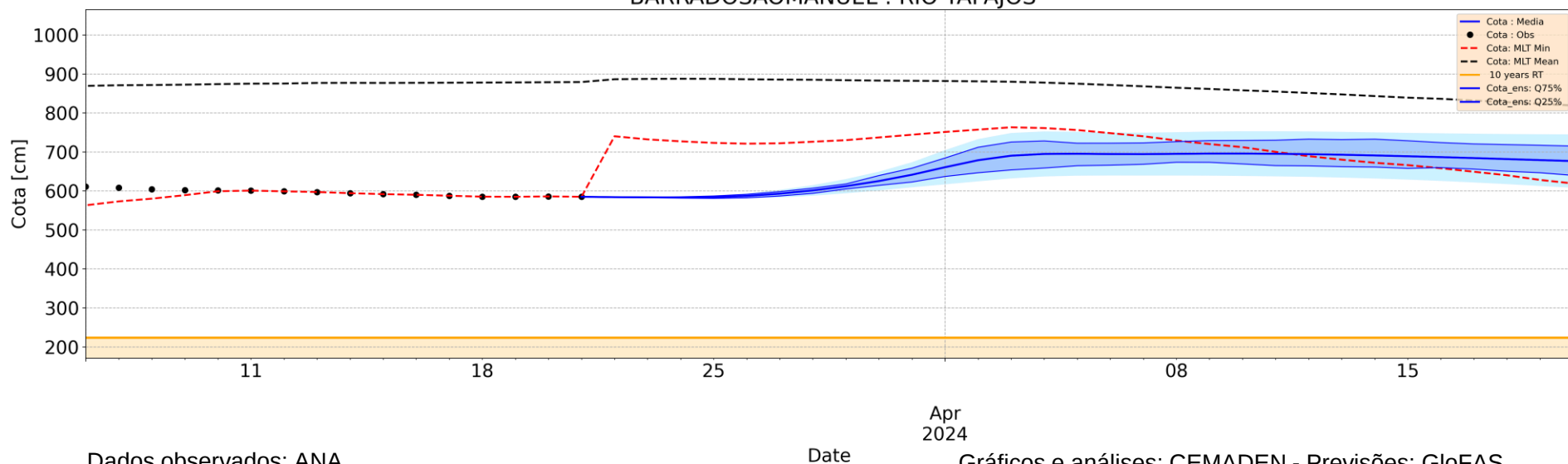
Dados observados: ANA

Date

Gráficos e análises: CEMADEN - Previsões: GloFAS



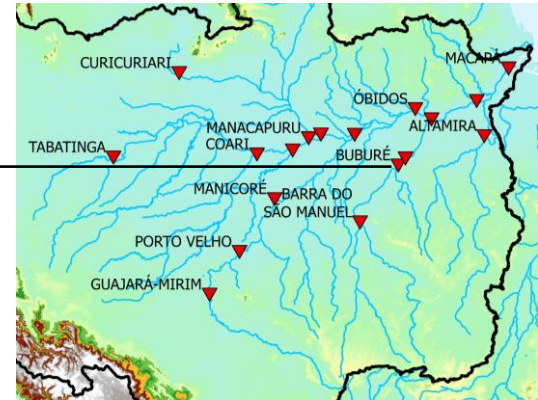
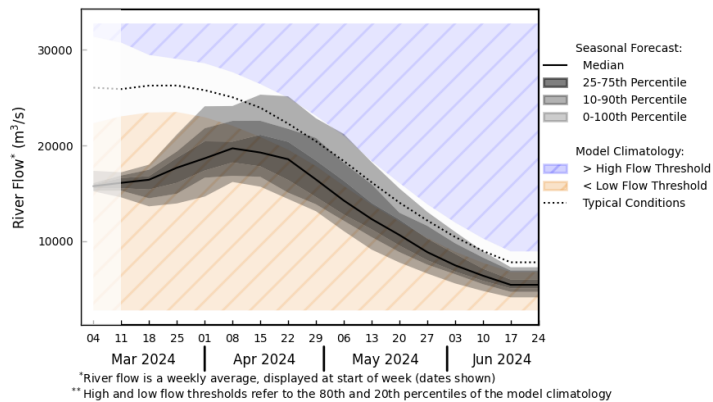
Model Run - 2024-03-21 BARRADOSAOMANUEL : RIO TAPAJOS



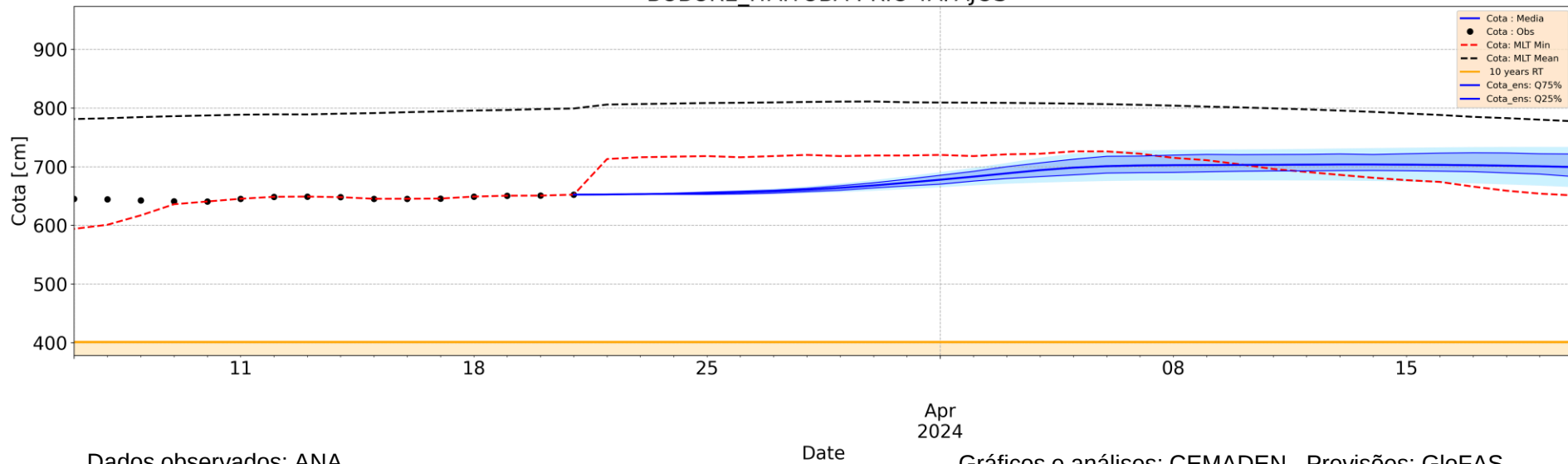
Dados observados: ANA

Date

Gráficos e análises: CEMADEN - Previsões: GloFAS



Model Run - 2024-03-21 BUBURE_ITAITUBA : RIO TAPAJOS



Dados observados: ANA

Date

Gráficos e análises: CEMADEN - Previsões: GloFAS