



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

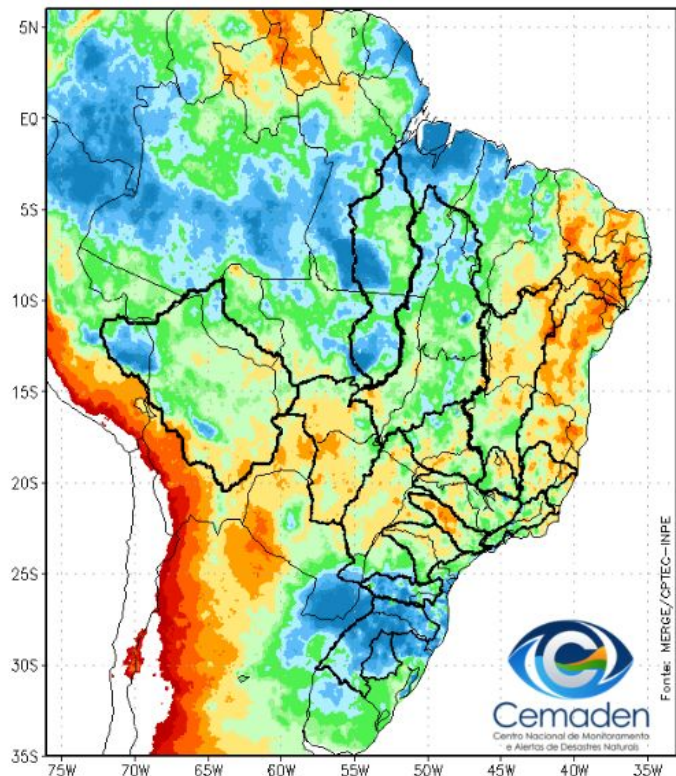
Sala de Crise da Região Norte

Maio de 2024

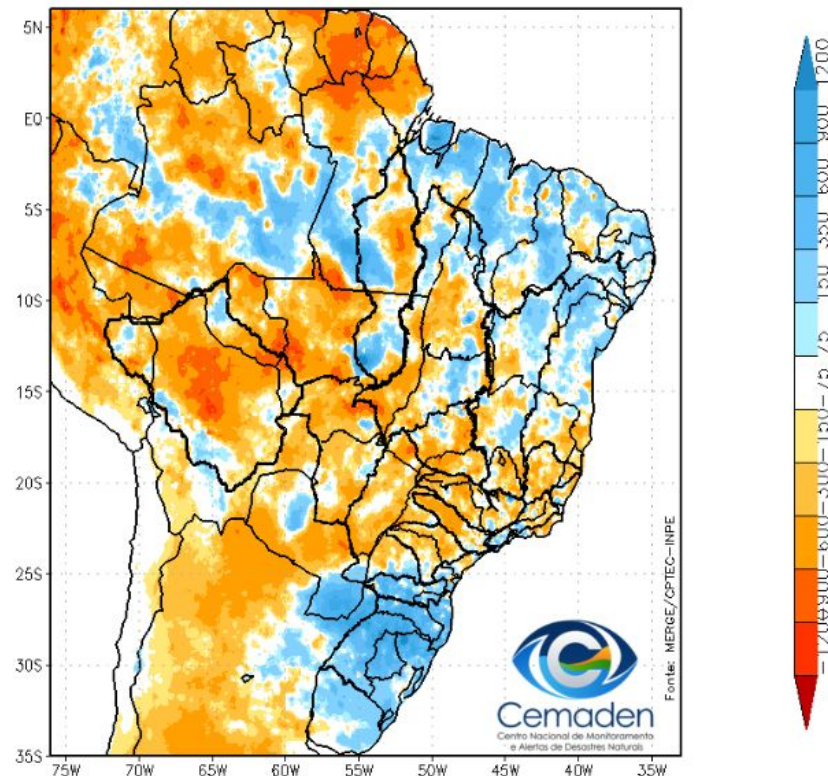


PRECIPITAÇÃO DO ANO HIDROLÓGICO

Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2023 a 23/05/2024



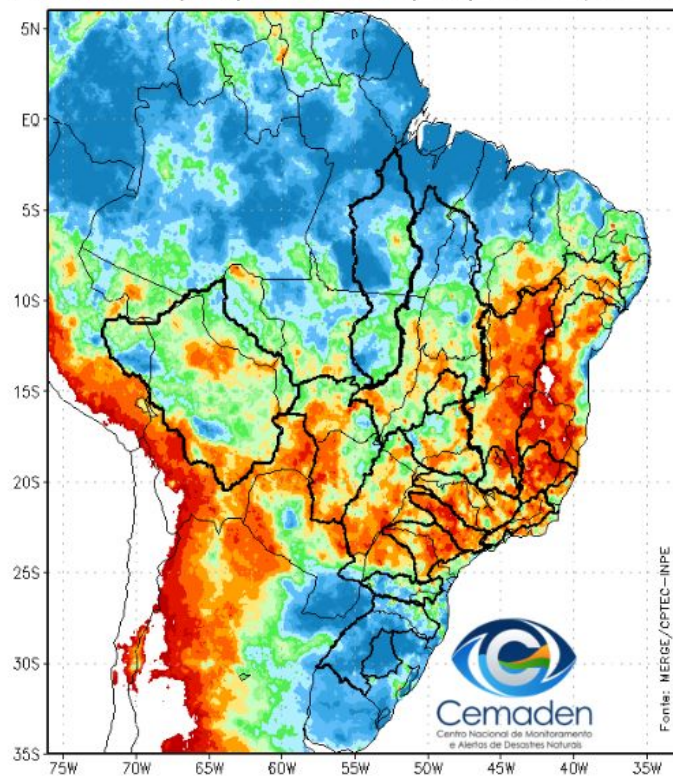
Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2023 a 23/05/2024



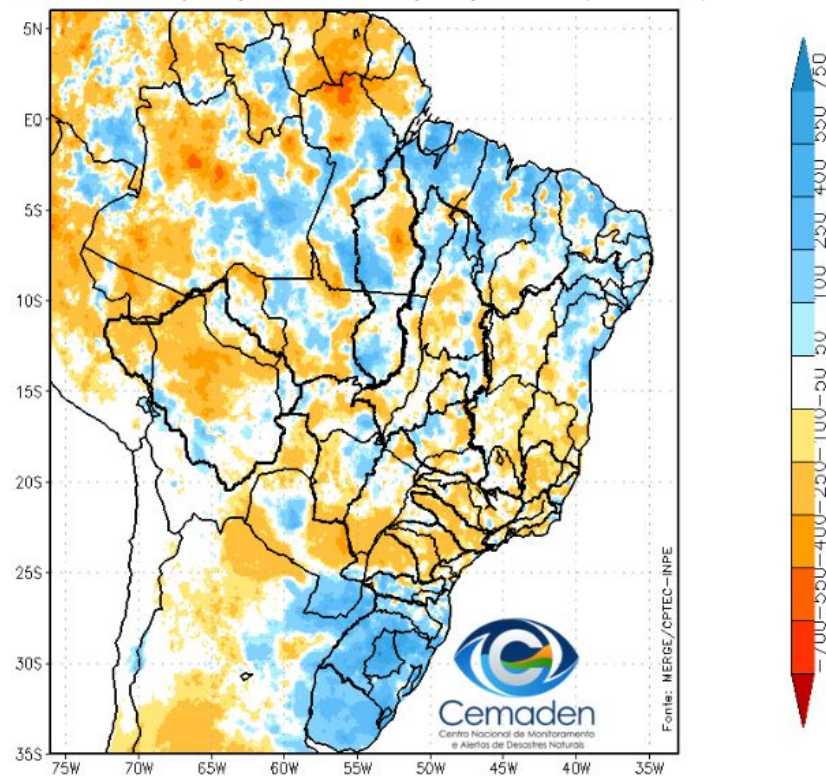
FONTE DOS DADOS: MERGE/INPE

PRECIPITAÇÃO: ÚLTIMOS 90 DIAS

Precipitação Acumulada (mm) A.S.
Período: 23/02/2024 a 23/05/2024 (90 dias)



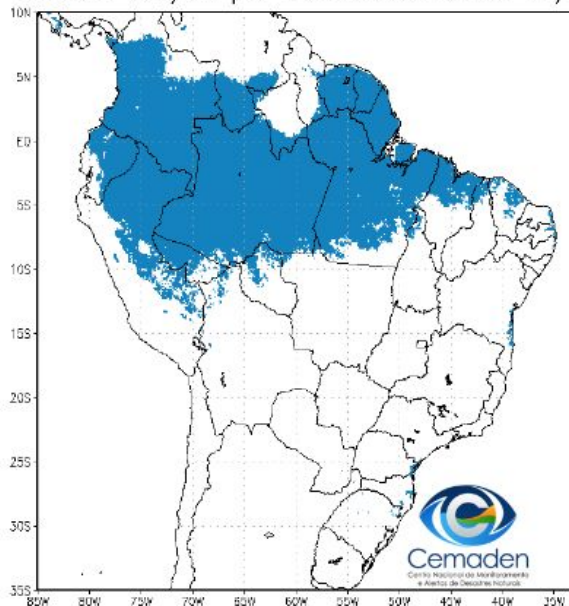
Anomalia de Precipitação (mm) A.S.
Período: 23/02/2024 a 23/05/2024 (90 dias)



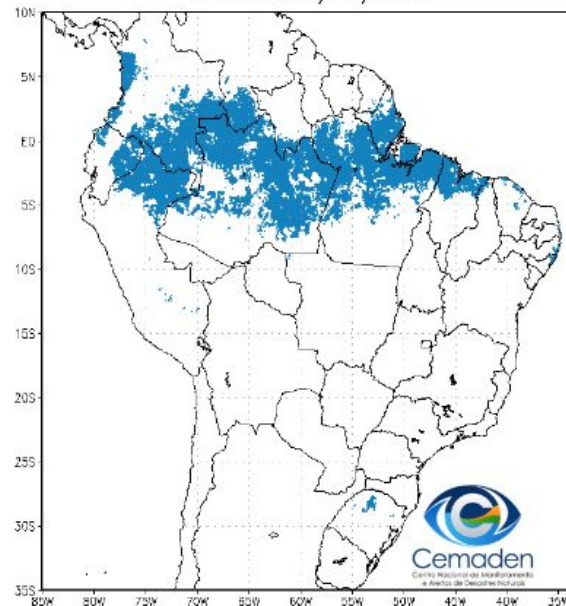
FONTE DOS DADOS: MERGE/INPE

Situação da Estação Chuvosa

Climatologia da Precipitação (2001–2023)
Inferior 2 mm/dia por 4 de 5 dias Período: 23/05



Precipitação Inferior 2 mm/dia por 4 de 5 dias
Período: 23/05/2024



Monitoramento da situação da seca na Região Norte



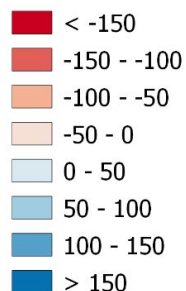
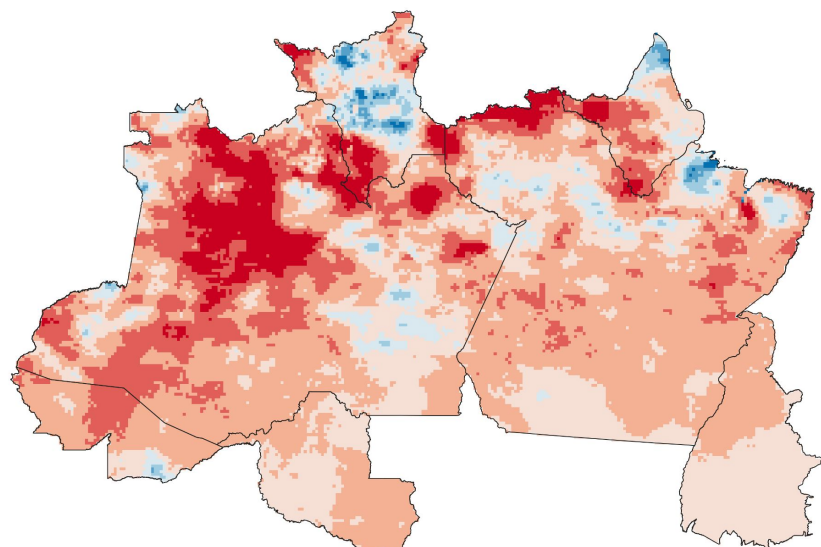
UNIDADE DE PESQUISA DO MCTI

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES

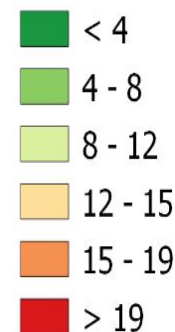
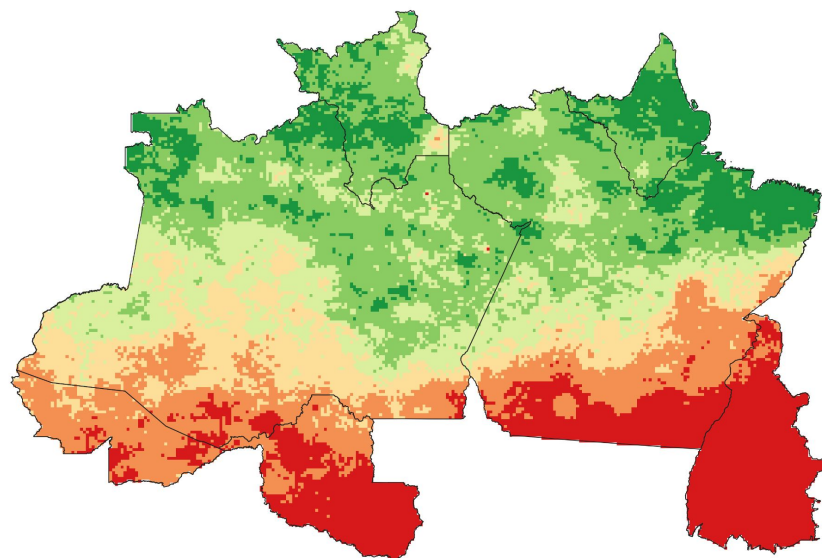


PRECIPITAÇÃO: MAIO (ATÉ DIA 23) 2024

ANOMALIA (MM)

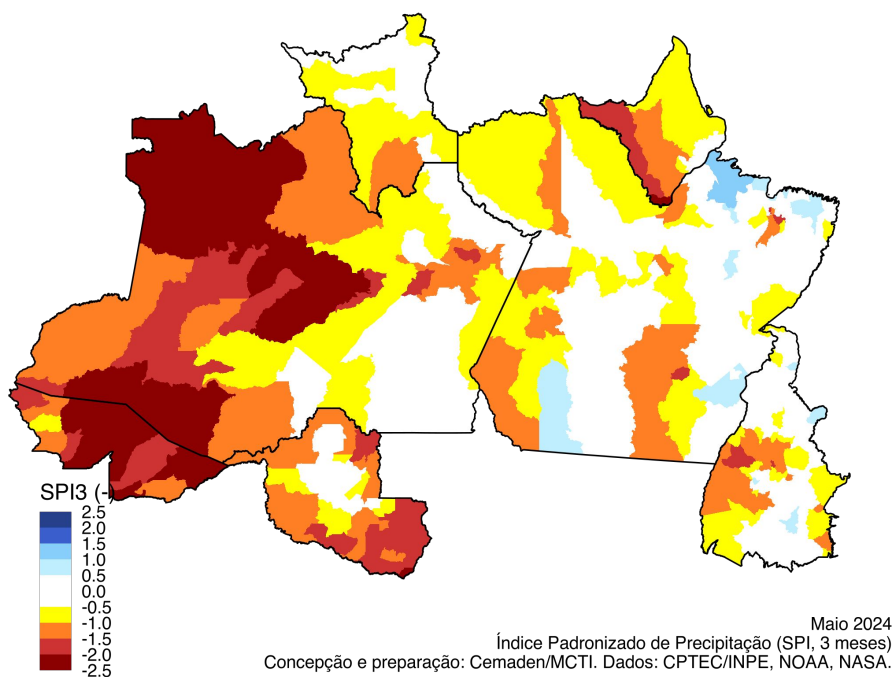


TOTAL DE DIAS SEM PRECIPITAÇÃO

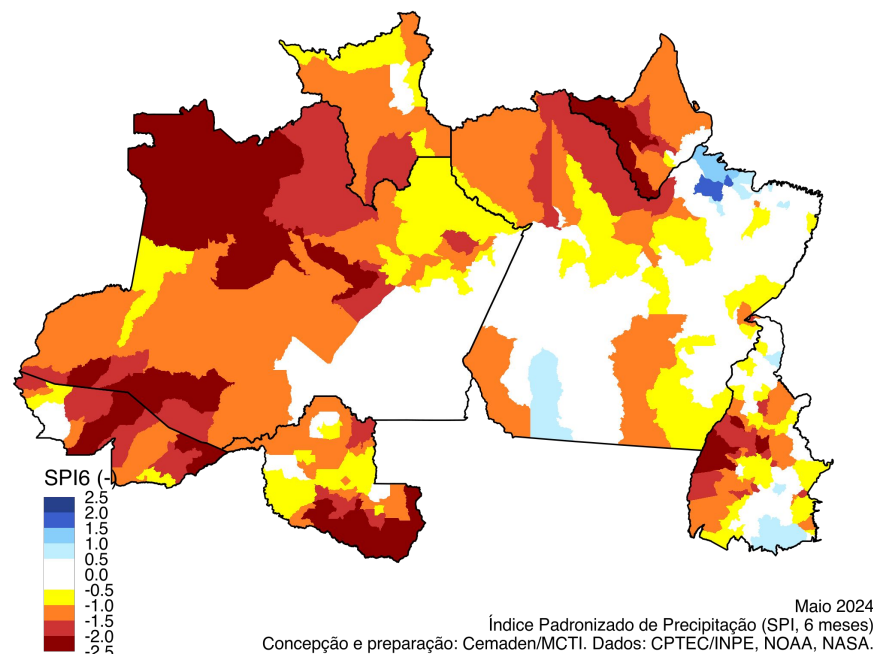


SPI: MAIO 2024

SPI-03

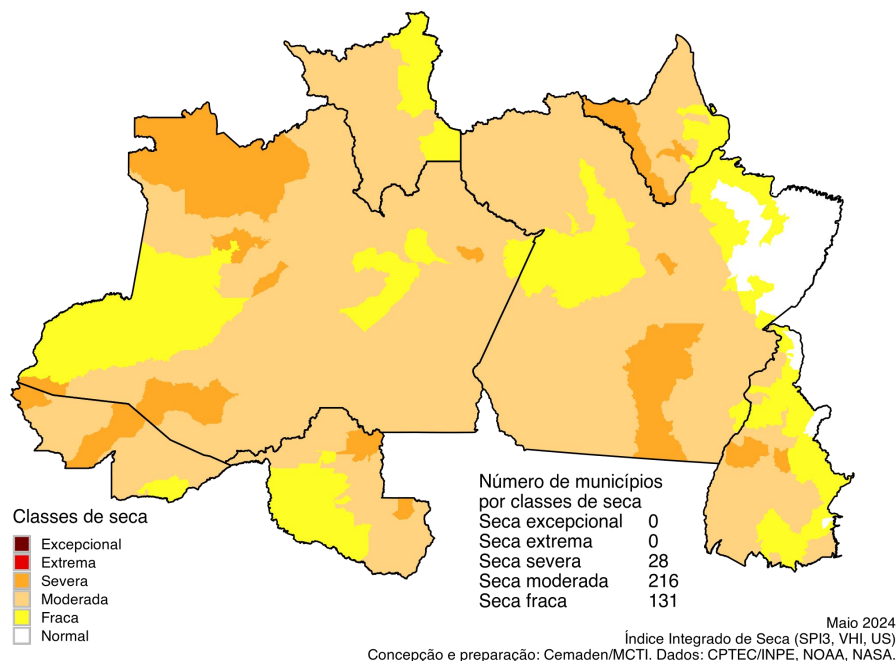


SPI-06

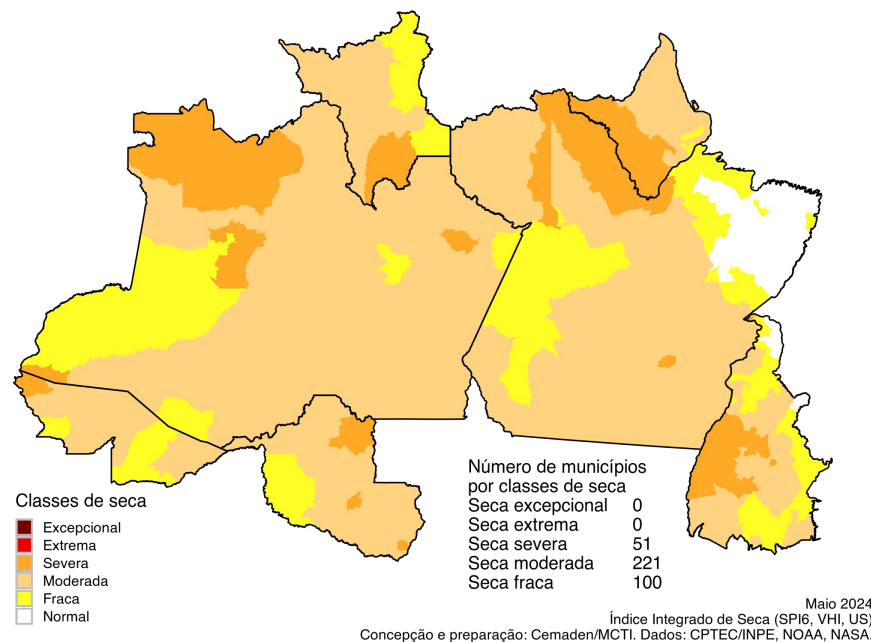


ÍNDICE INTEGRADO DE SECA (3 E 6 MESES): ANÁLISE POR **MUNICÍPIOS**

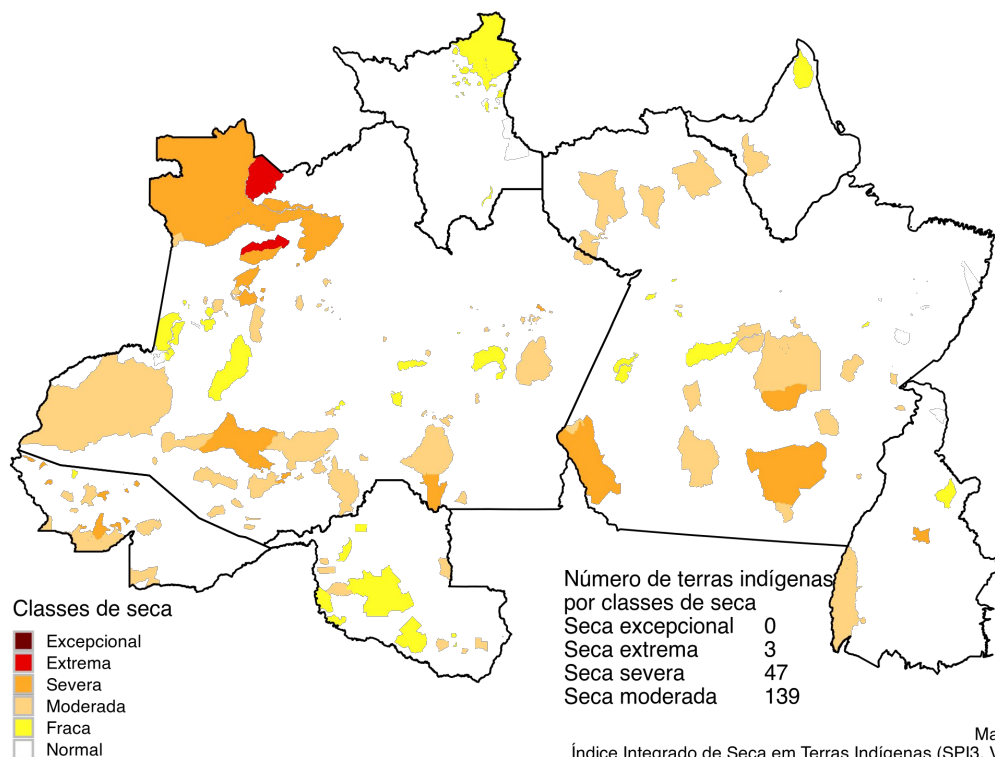
IIS-03 OBSERVADO



IIS-06 OBSERVADO

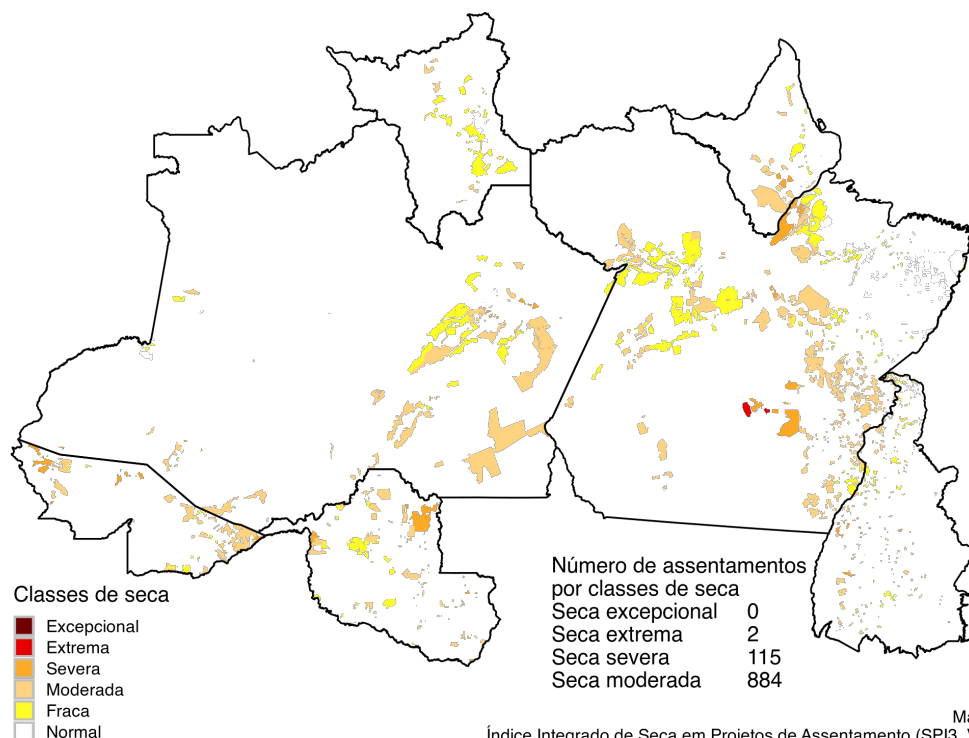


ÍNDICE INTEGRADO DE SECA (IIS-03) EM TERRAS INDÍGENAS: MAIO/2024



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

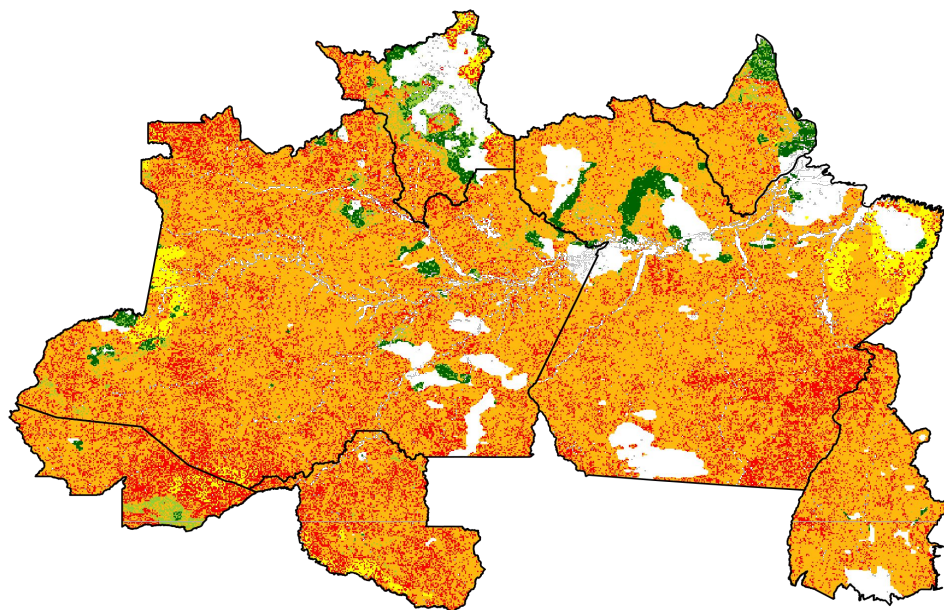
ÍNDICE INTEGRADO DE SECA (IIS-03) EM ASSENTAMENTOS: MAIO/2024



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

PROGRESSÃO DAS CONDIÇÕES DE SECA (PCS)

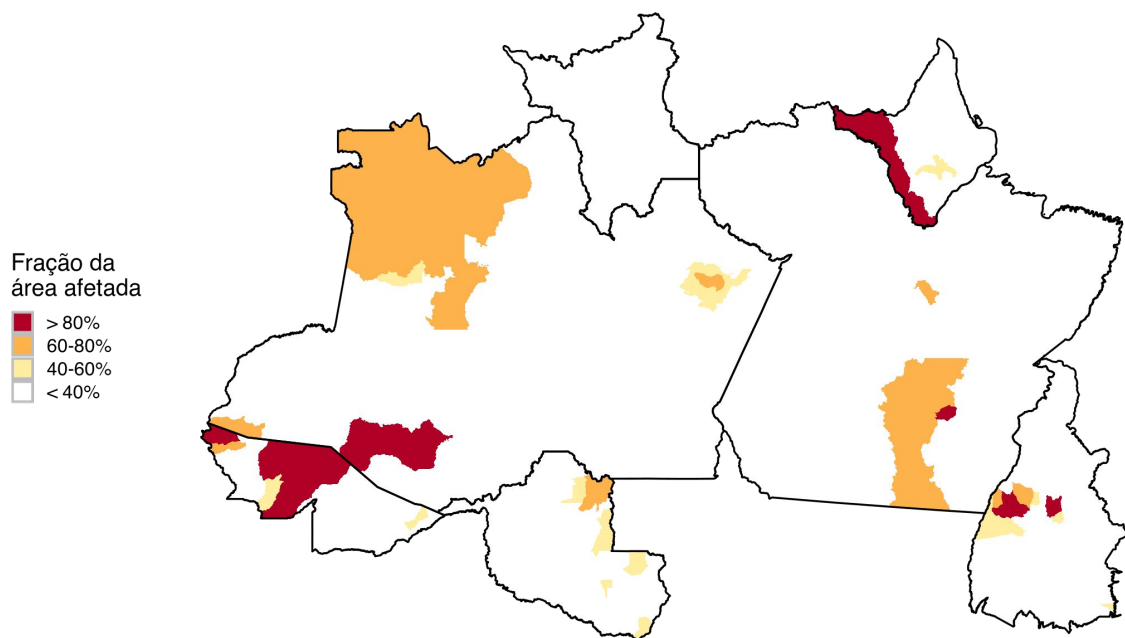
Propagação Incremental das Condições de Seca (PICS)
Maio 2024



Condição da seca

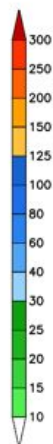
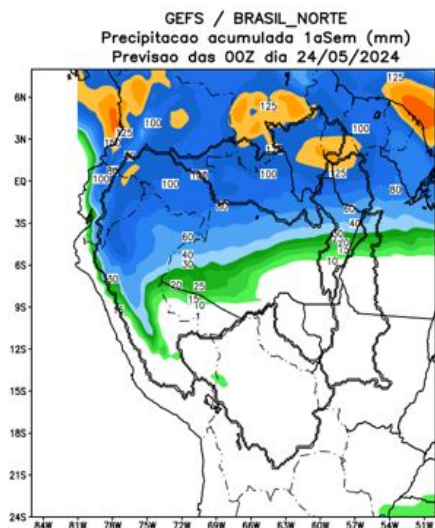
 Condição normal	 Atenção - déficit de chuva e umidade do solo (SPI ↓ & US ↓)	 Stress vegetativo & tendência de melhora na chuva (VHI ↓ & SPI ↓↑)
 Observação - chuva abaixo da média (SPI ↓)	 Alerta - chuva abaixo da média e stress vegetativo (SPI ↓ & VHI ↓)	 Em recuperação (SPI ↓↑)

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA MAIO/24

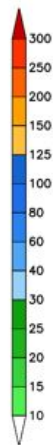
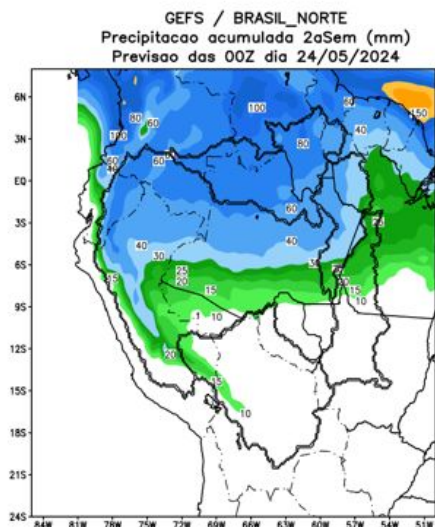
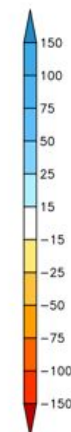
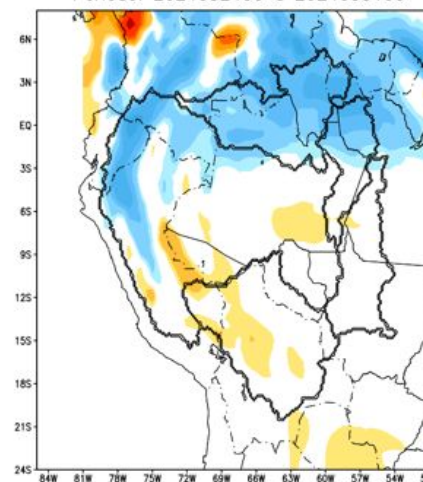


Maio 2024
Fração da área agroprodutiva afetada pela seca
Concepção e preparação: Cemaden/MCTI. Dados: CPTEC/INPE, NOAA, NASA.

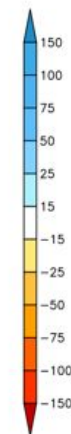
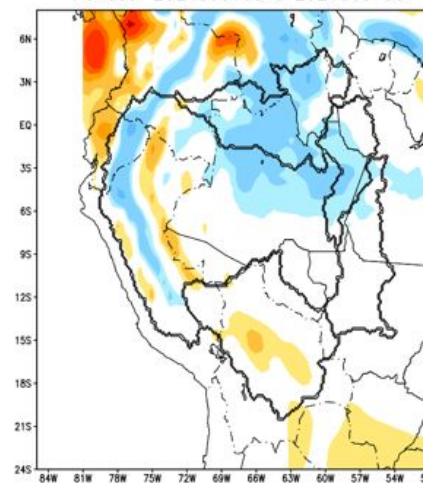
Previsão de chuva próximas duas semanas



Anomalia de Precipitação BR NORTE (mm)
Período: 2024052400 a 2024053100



Anomalia de Precipitação BR NORTE (mm)
Período: 2024060100 a 2024060700



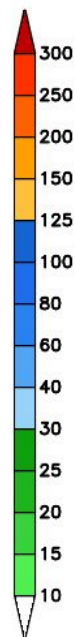
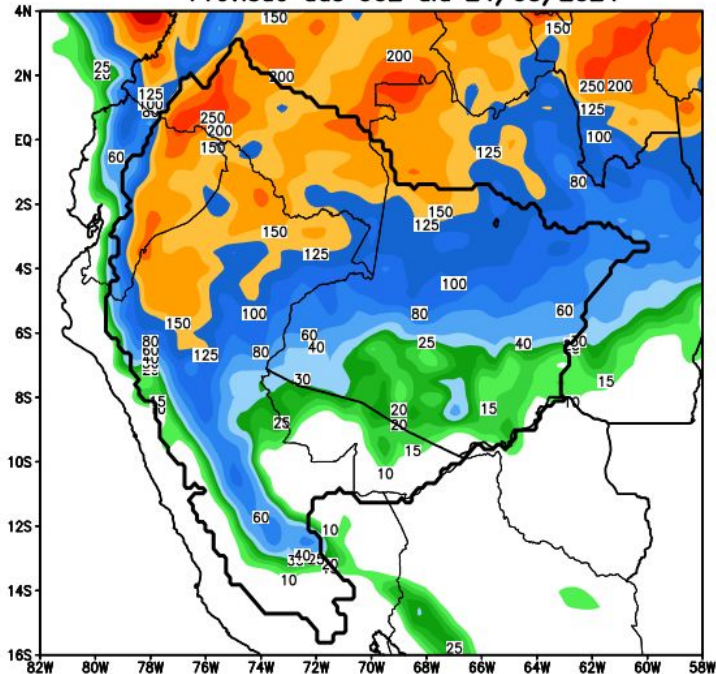
Previsão de chuva próximas duas semanas

RIO SOLIMÕES

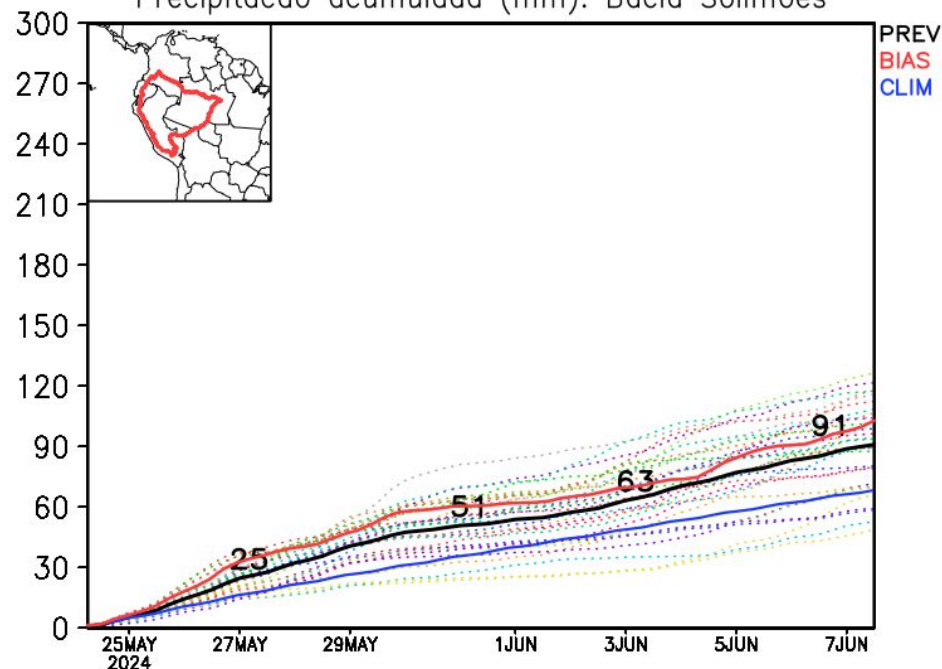
GEFS_BC / Bacia do Rio Solimoes

Prec. acumulada com correcao de vies em 14 dias (mm)

Previsao das 00Z dia 24/05/2024



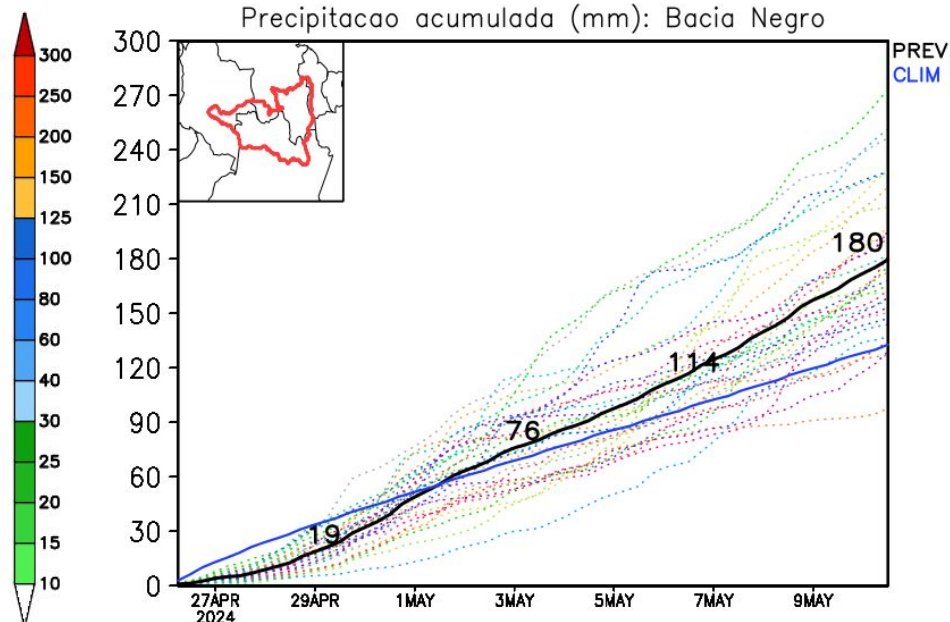
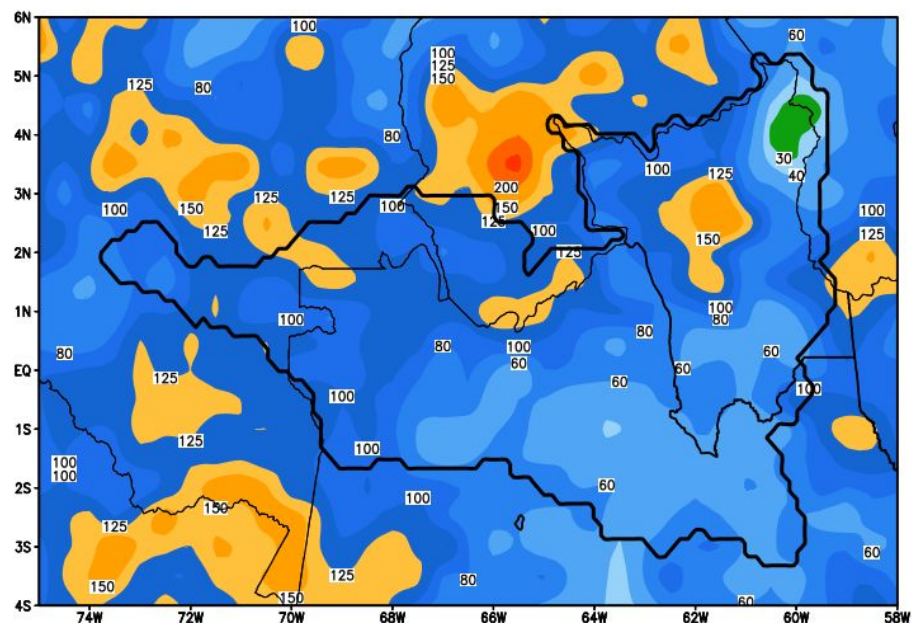
Precipitacao acumulada (mm): Bacia Solimoes



Previsão de chuva próximas duas semanas

RIO NEGRO

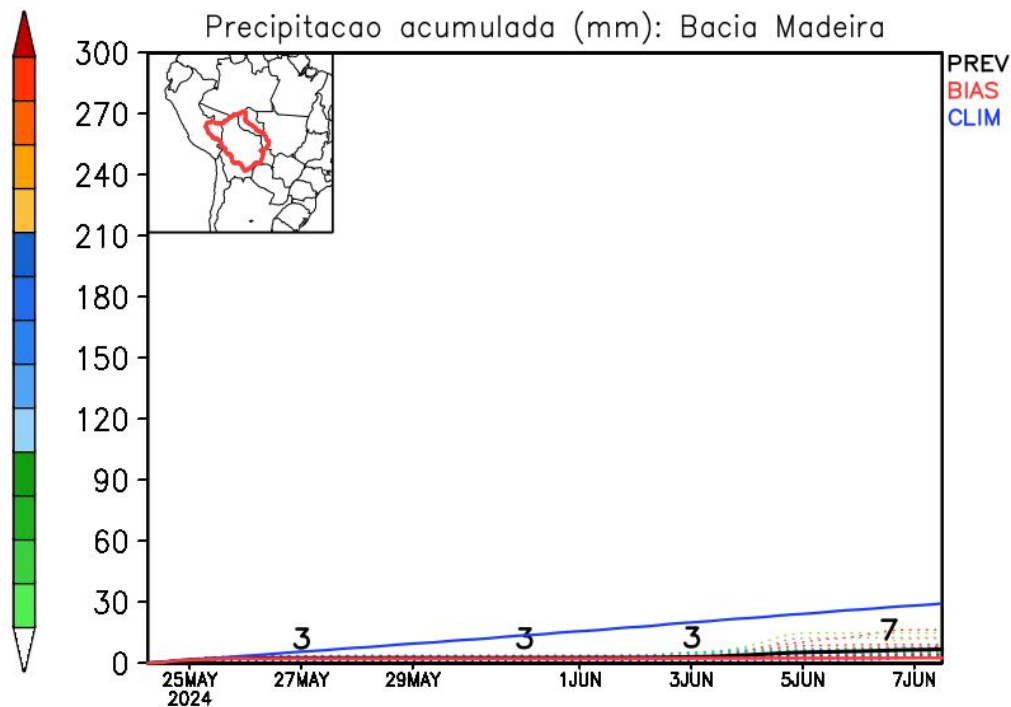
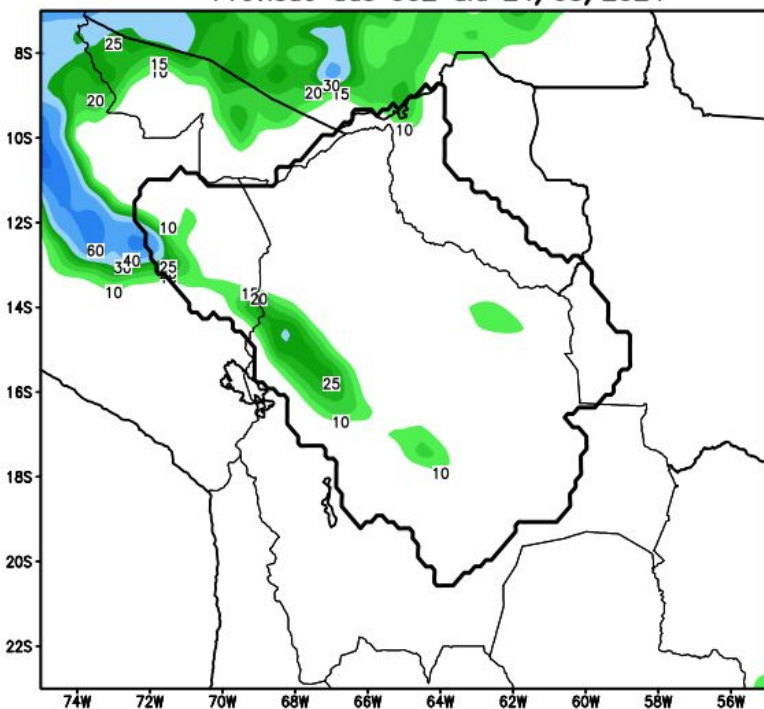
GEFS_BC / Bacia do Rio Negro
Prec. acumulada com correção de vies em 14 dias (mm)
Previsão das 00Z dia 26/04/2024



Previsão de chuva próximas duas semanas

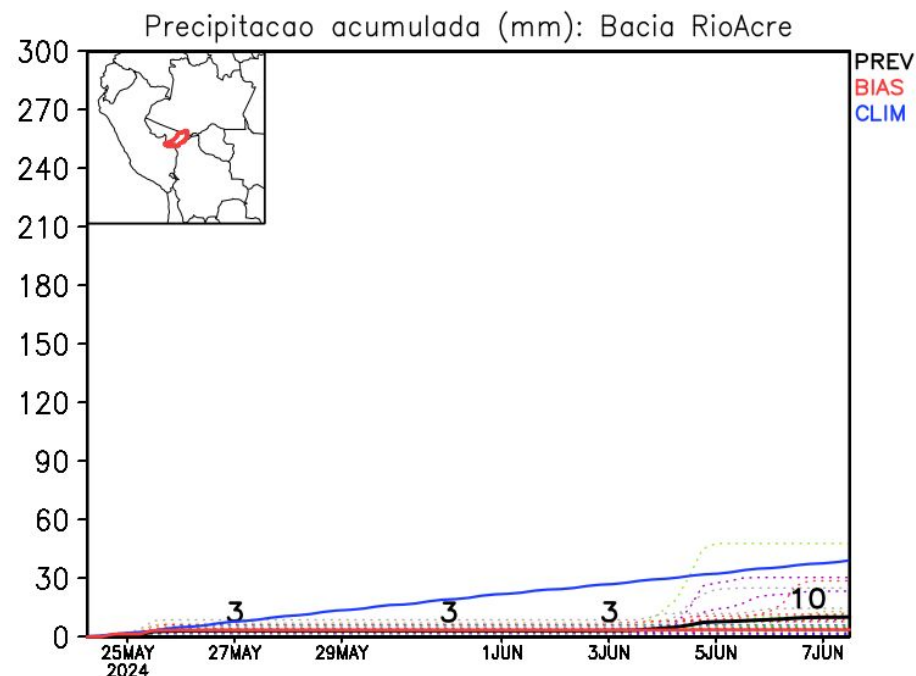
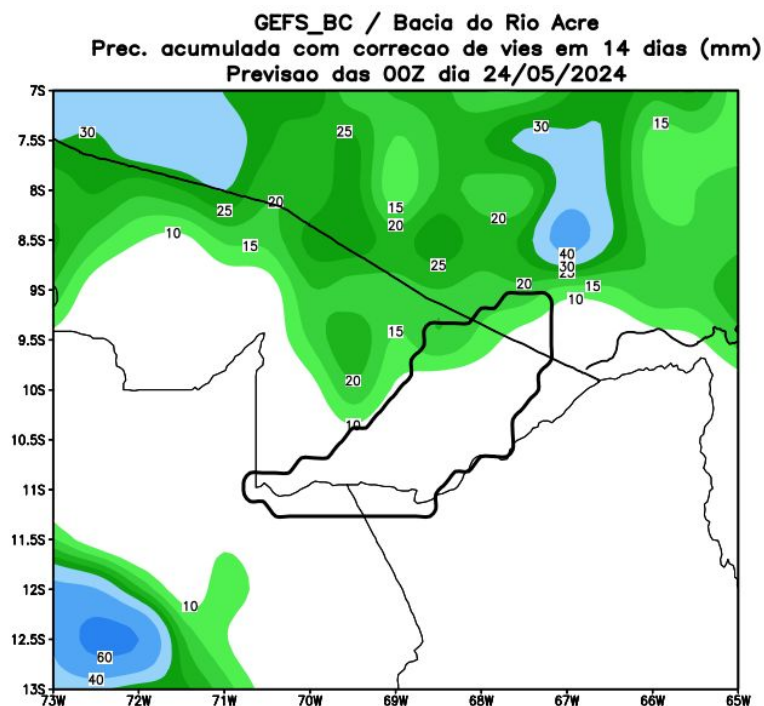
RIO MADEIRA

GEFS_BC / Bacia do Rio Madeira
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 24/05/2024



Previsão de chuva próximas duas semanas

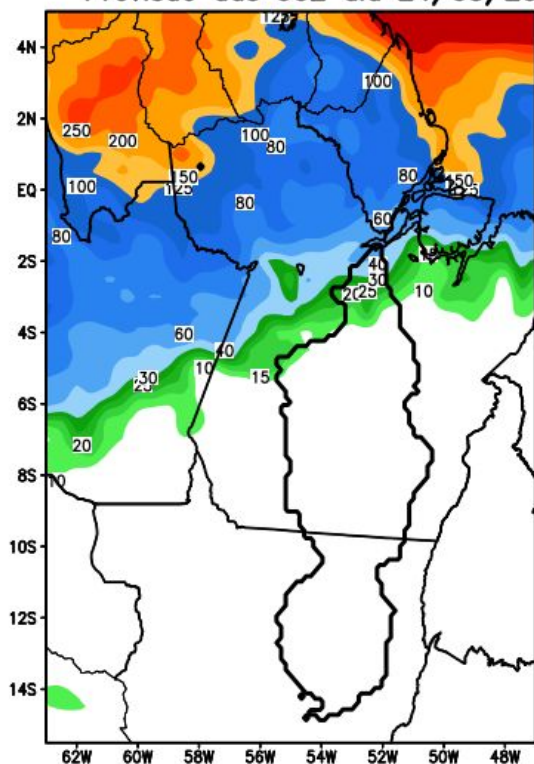
RIO ACRE



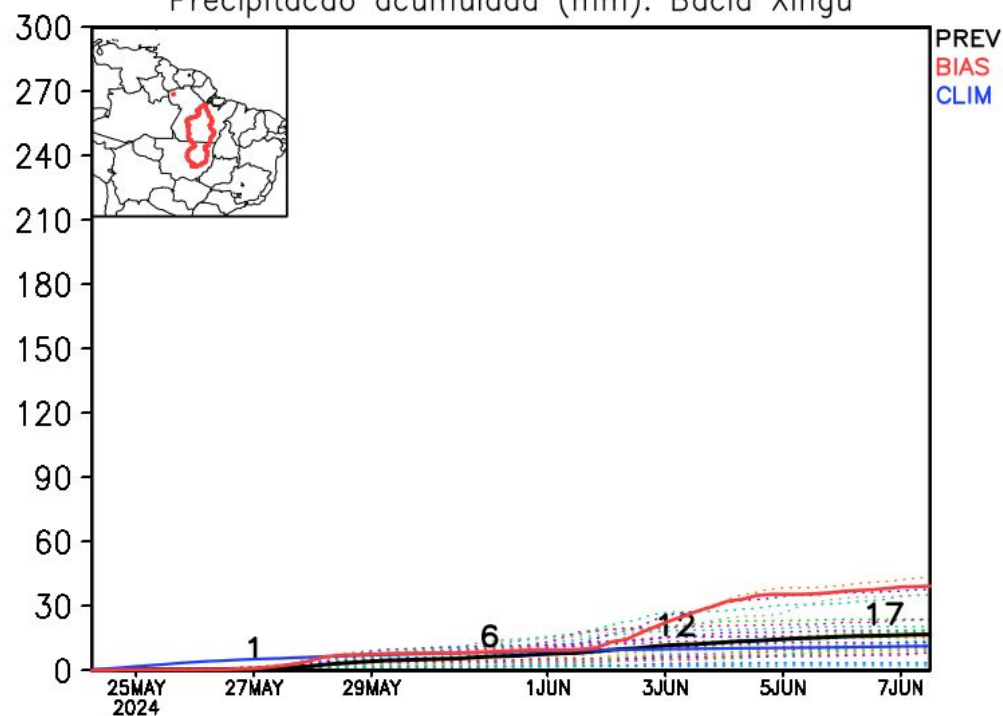
Previsão de chuva próximas duas semanas

RIO Xingu

GEFS_BC / Xingu
rec. acumulada com correcao de vies em 14 dias (mn)
Previsao das 00Z dia 24/05/2024



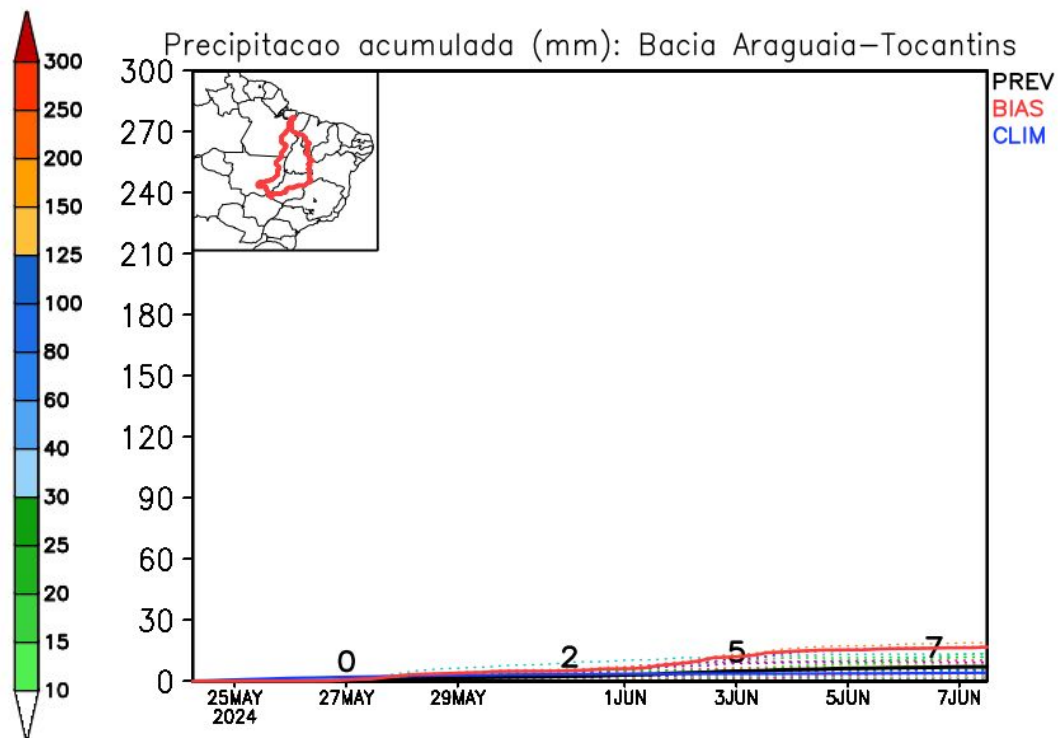
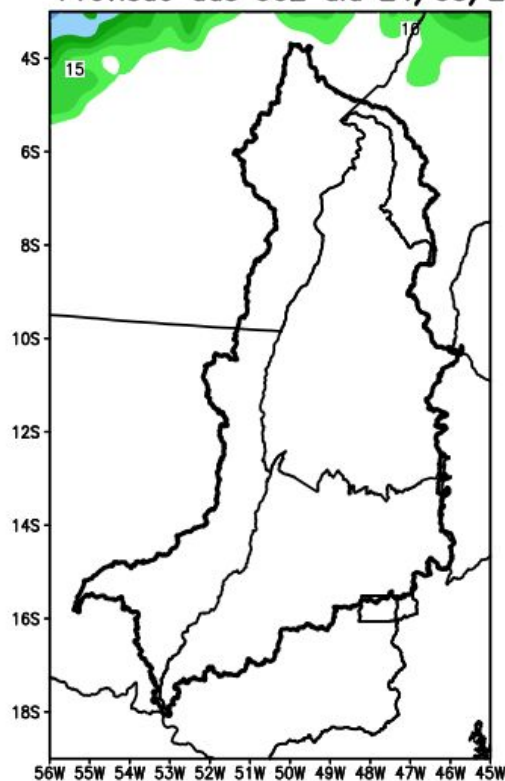
Precipitacao acumulada (mm): Bacia Xingu



Previsão de chuva próximas duas semanas

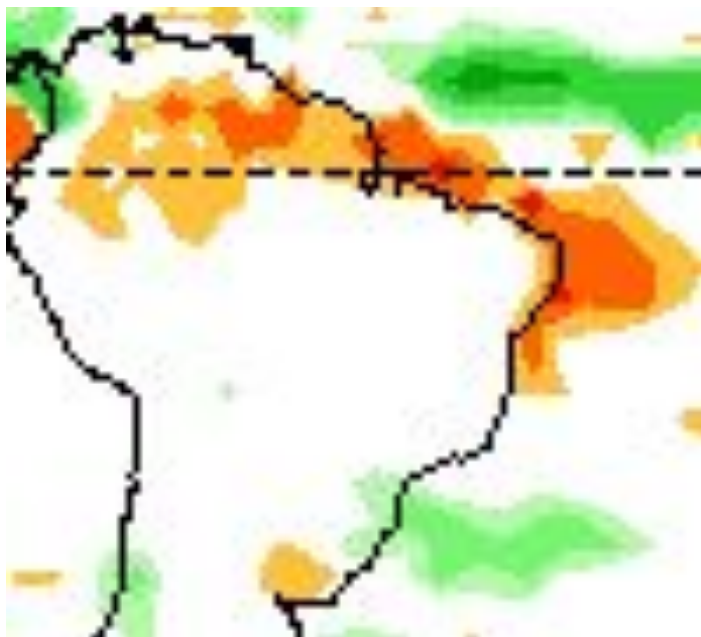
RIO Araguaia-Tocantins

GEFS_BC / Bacia Araguaia-Tocantins
Prec. acumulada com correção de vies em 14 dias (mm)
Previsão das 00Z dia 24/05/2024

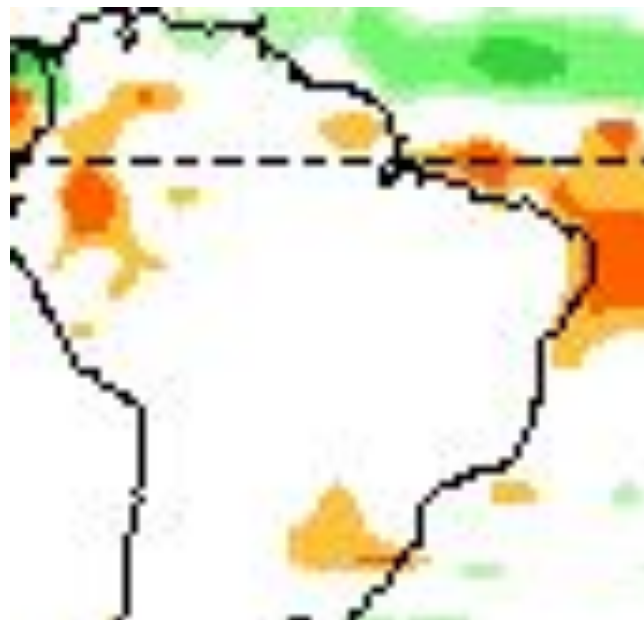


Tendência 3a e 4a semanas

07-13 JUNHO

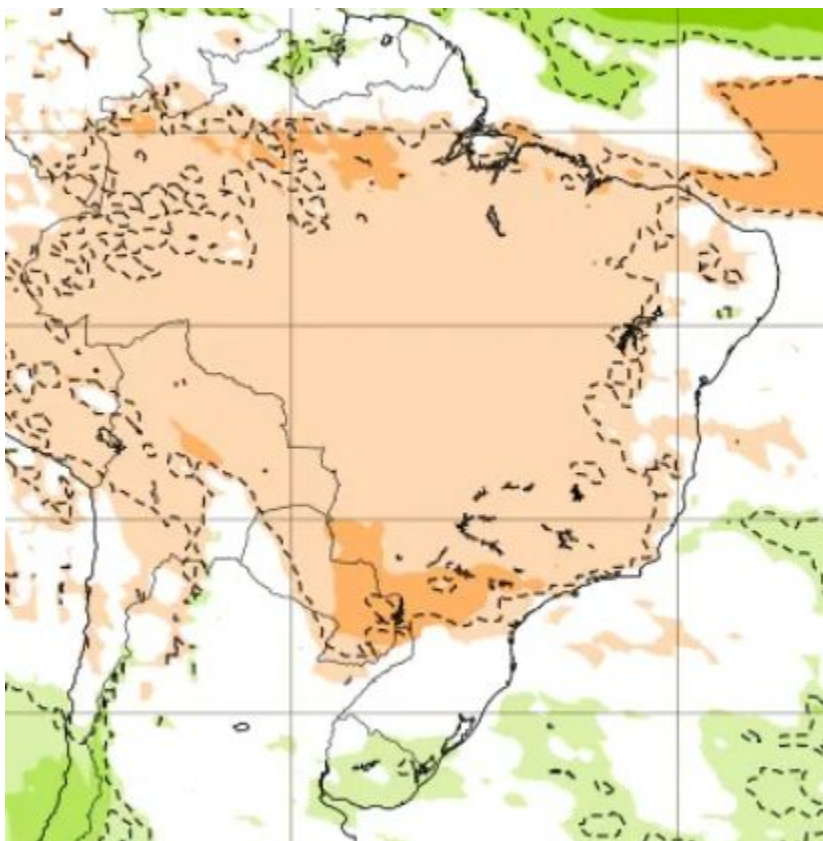


14-20 JUNHO

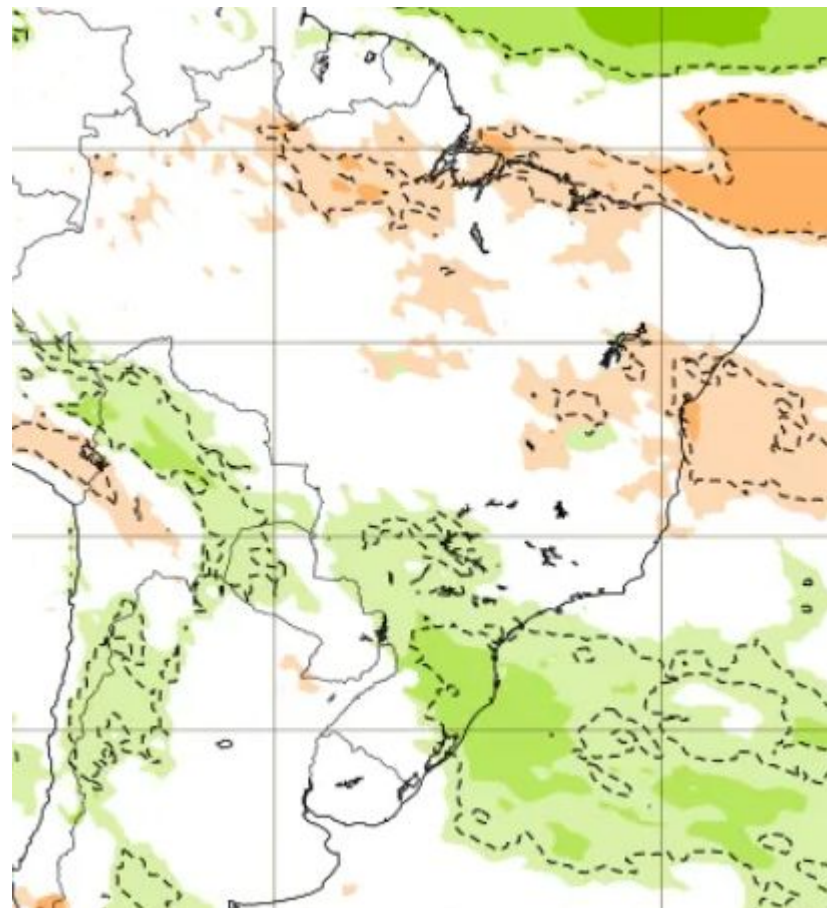


Tendência para 3^a e 4^a semanas

03-09 JUNHO



10-16 JUNHO



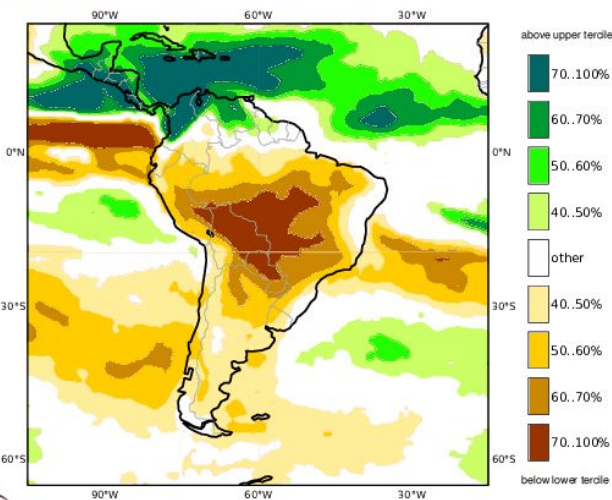
Previsão Sazonal de Chuva Multi-Modelo para Junho-Julho-Agosto

C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/24

Unweighted mean

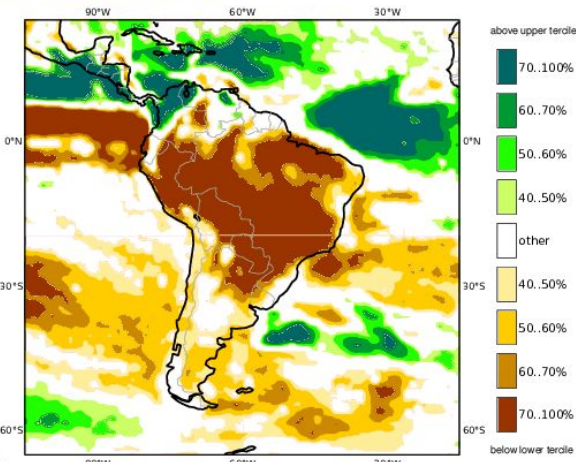


C3S: NCEP contribution

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/24

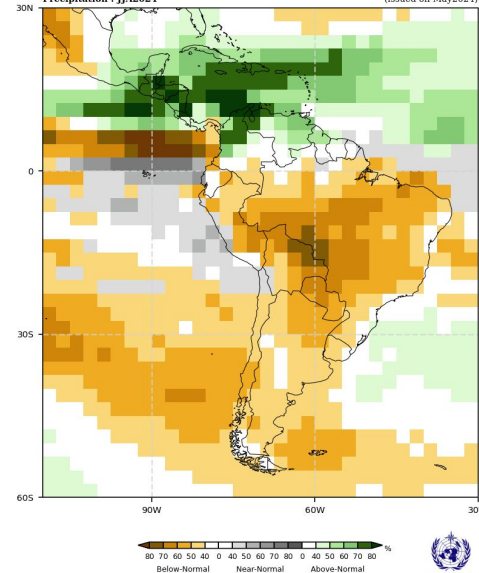
Ensemble size = 52, climate size = 384



Probabilistic Multi-Model Ensemble Forecast

CMCC, CFSR, ECMWF, ECHAM, GISS, HadGEM2, HadGEM3, HadISAP, HadISST, HadISST3, HadISST3-2, HadISST3-3, HadISST3-4, HadISST3-5, HadISST3-6, HadISST3-7, HadISST3-8, HadISST3-9, HadISST3-10, HadISST3-11, HadISST3-12, HadISST3-13, HadISST3-14, HadISST3-15, HadISST3-16, HadISST3-17, HadISST3-18, HadISST3-19, HadISST3-20, HadISST3-21, HadISST3-22, HadISST3-23, HadISST3-24, HadISST3-25, HadISST3-26, HadISST3-27, HadISST3-28, HadISST3-29, HadISST3-30, HadISST3-31, HadISST3-32, HadISST3-33, HadISST3-34, HadISST3-35, HadISST3-36, HadISST3-37, HadISST3-38, HadISST3-39, HadISST3-40, HadISST3-41, HadISST3-42, HadISST3-43, HadISST3-44, HadISST3-45, HadISST3-46, HadISST3-47, HadISST3-48, HadISST3-49, HadISST3-50, HadISST3-51, HadISST3-52, HadISST3-53, HadISST3-54, HadISST3-55, HadISST3-56, HadISST3-57, HadISST3-58, HadISST3-59, HadISST3-60, HadISST3-61, HadISST3-62, HadISST3-63, HadISST3-64, HadISST3-65, HadISST3-66, HadISST3-67, HadISST3-68, HadISST3-69, HadISST3-70, HadISST3-71, HadISST3-72, HadISST3-73, HadISST3-74, HadISST3-75, HadISST3-76, HadISST3-77, HadISST3-78, HadISST3-79, HadISST3-80, HadISST3-81, HadISST3-82, HadISST3-83, HadISST3-84, HadISST3-85, HadISST3-86, HadISST3-87, HadISST3-88, HadISST3-89, HadISST3-90, HadISST3-91, HadISST3-92, HadISST3-93, HadISST3-94, HadISST3-95, HadISST3-96, HadISST3-97, HadISST3-98, HadISST3-99, HadISST3-100

Precipitation : JJA2024 (issued on May2024)

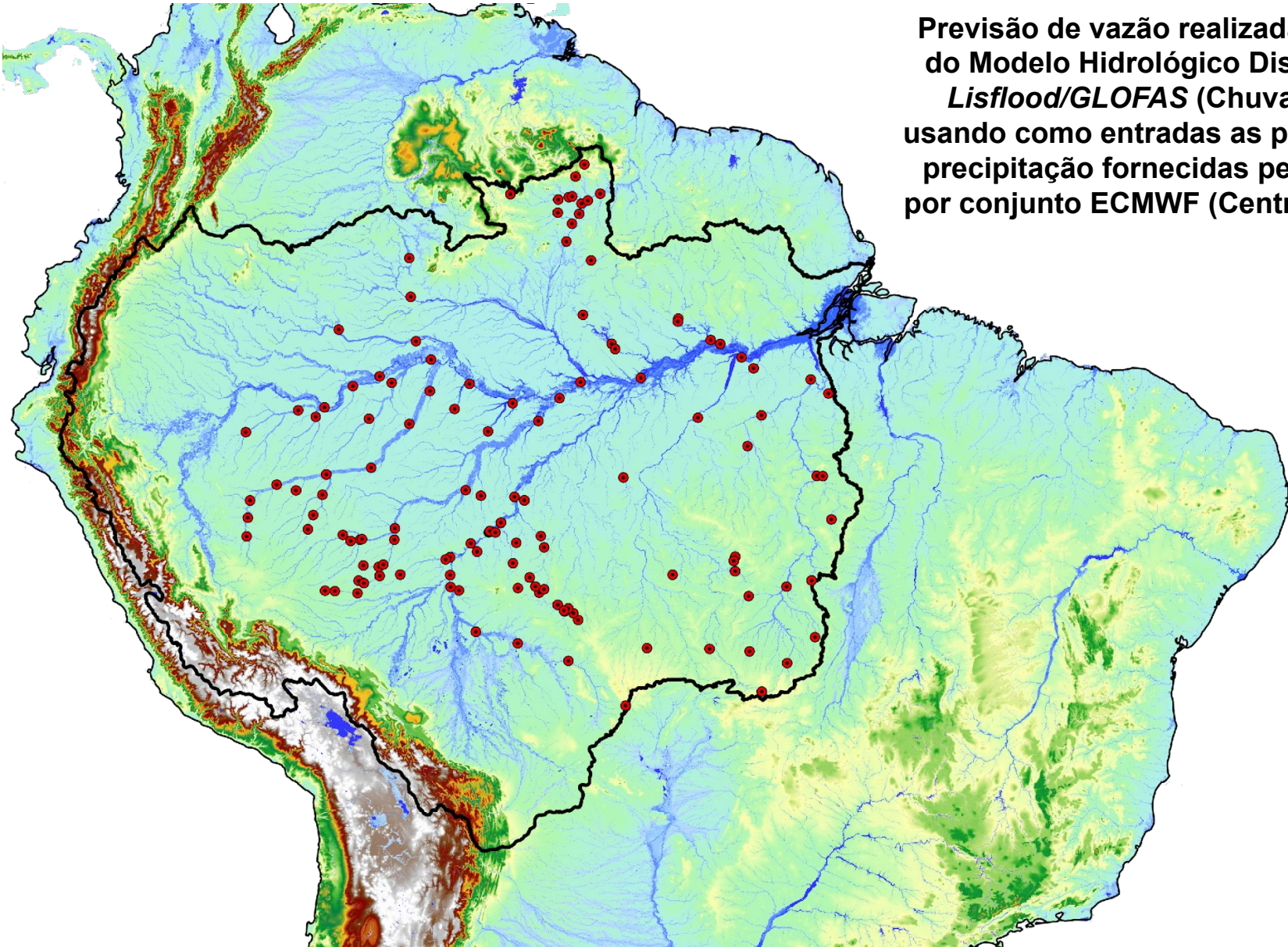


Modelo Europeu

Modelo Americano

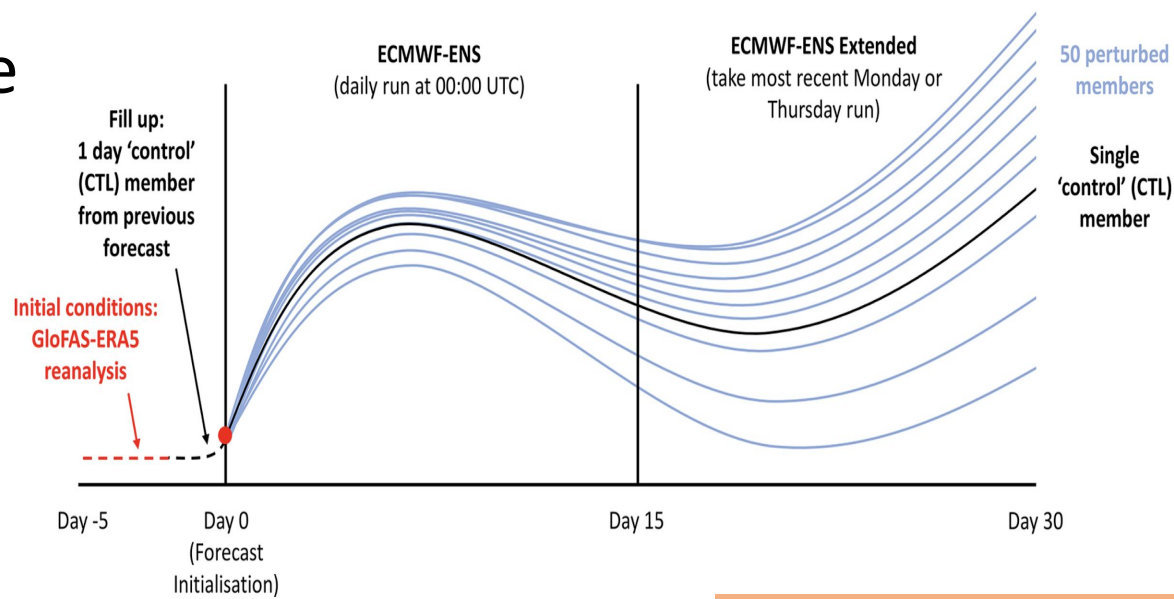
Modelos da Organização Meteorológica Mundial

Previsão Hidrológica: Norte

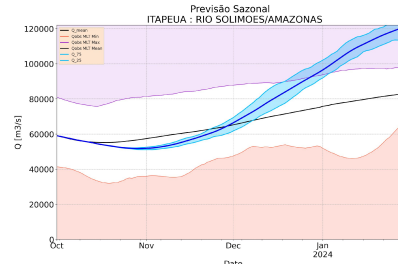
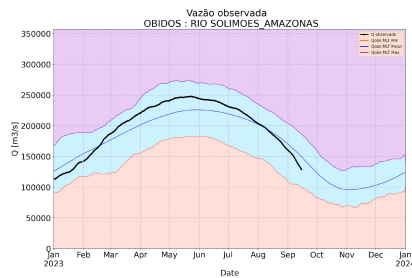
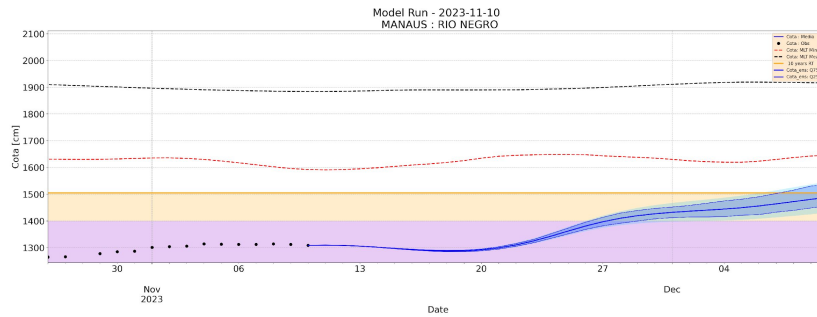


Previsão de vazão realizada por meio do Modelo Hidrológico Distribuído – *Lisflood/GLOFAS* (Chuva-Vazão), usando como entradas as previsões de precipitação fornecidas pelo modelo por conjunto ECMWF (Centro Europeu)

Previsão de vazão GloFAS 30-dias



Gráficos e análises: CEMADEN - Previsões: GloFAS



Previsão sazonal: MJJA



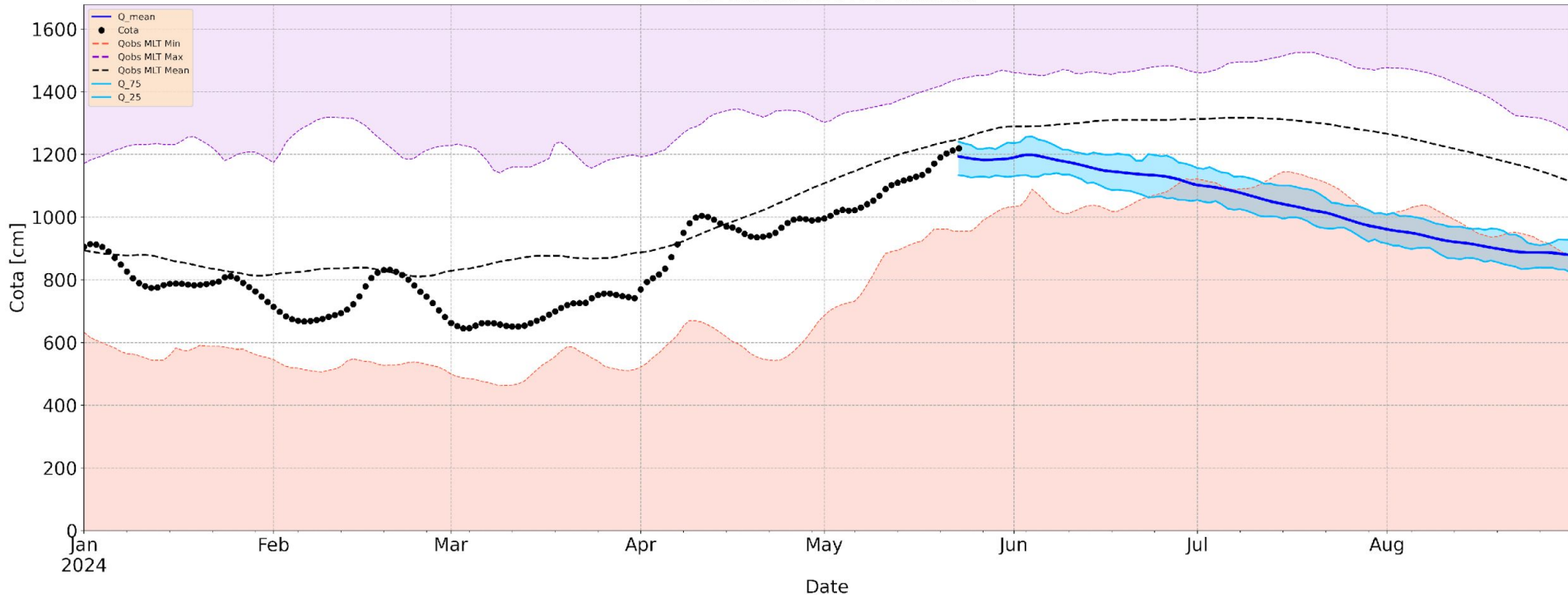
- > 90% probability of high flows
- 75-90% probability of high flows
- 50-75% probability of high flows
- 50-75% probability of low flows
- 75-90% probability of low flows
- > 90% probability of low flows
- > 50% probability (arid area)

Previsão sazonal: MJJA

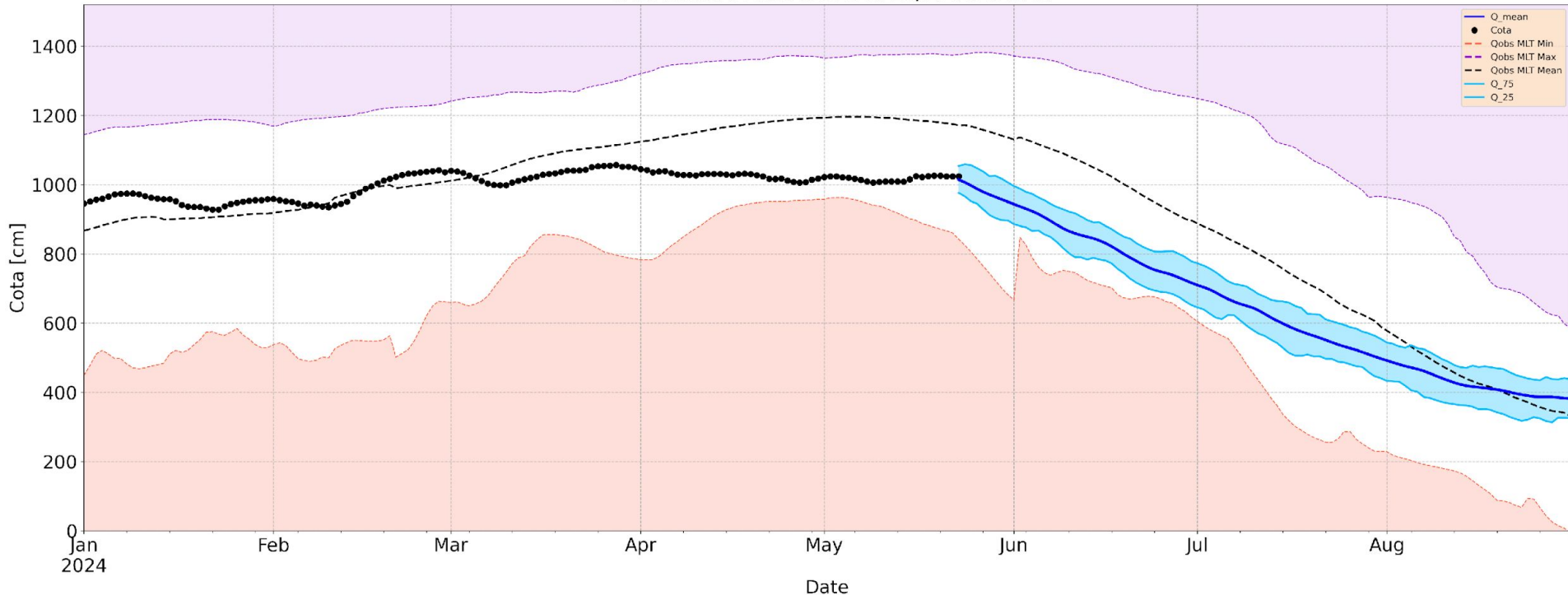


- > 90% probability of high flows
- 75-90% probability of high flows
- 50-75% probability of high flows
- 50-75% probability of low flows
- 75-90% probability of low flows
- > 90% probability of low flows
- > 50% probability (arid area)

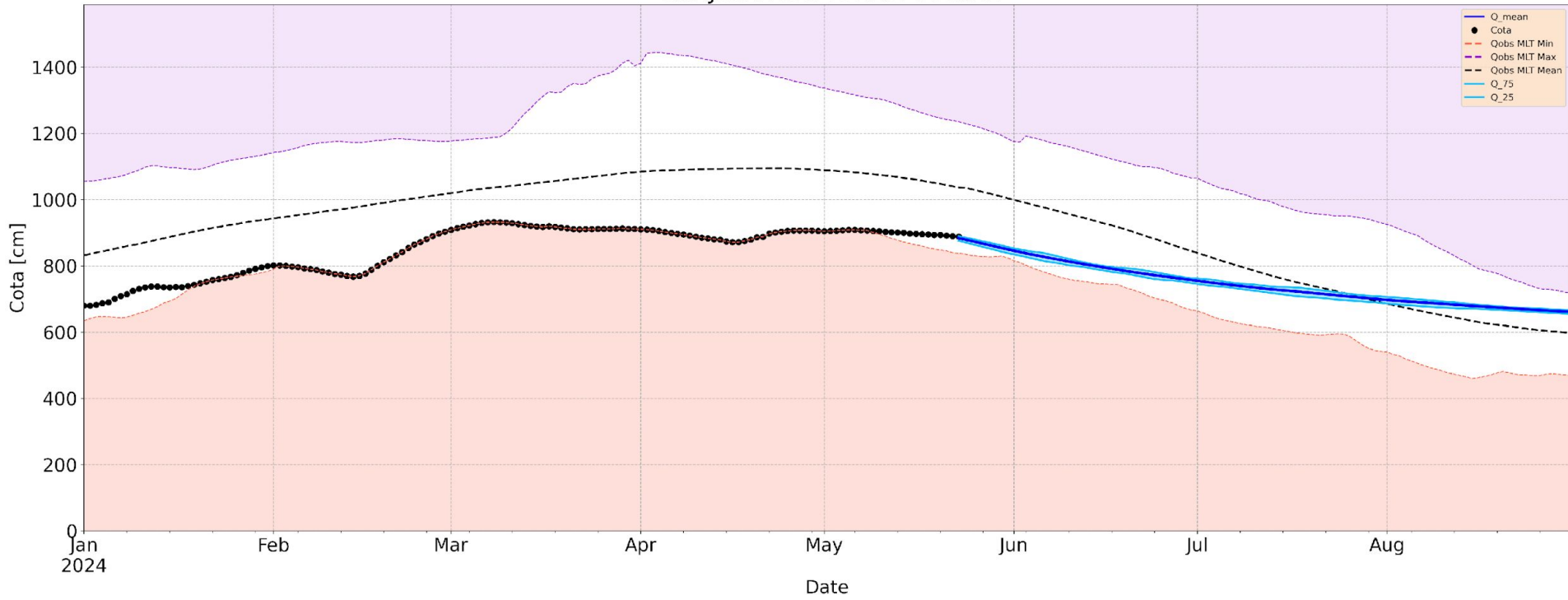
Previsão Sazonal :2024-05
CURICURIARI : RIO NEGRO



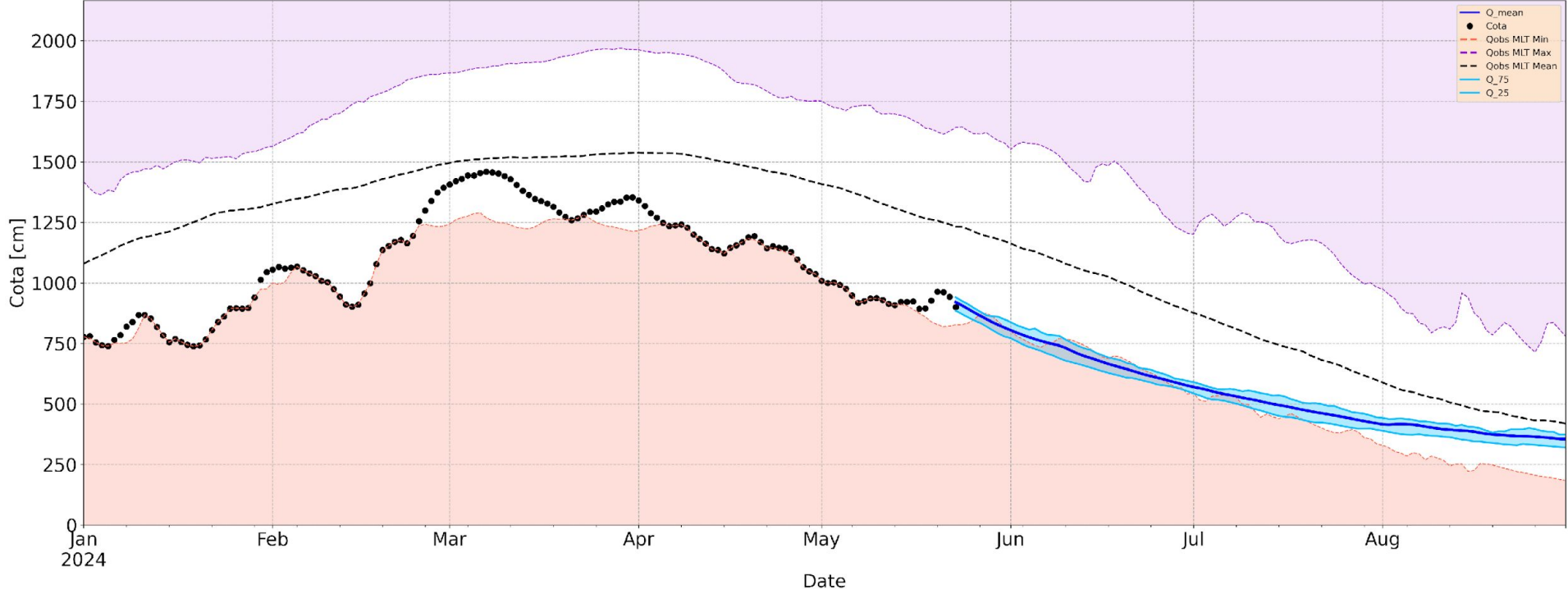
Previsão Sazonal :2024-05
TABATINGA : RIO SOLIMÕES/AMAZONAS



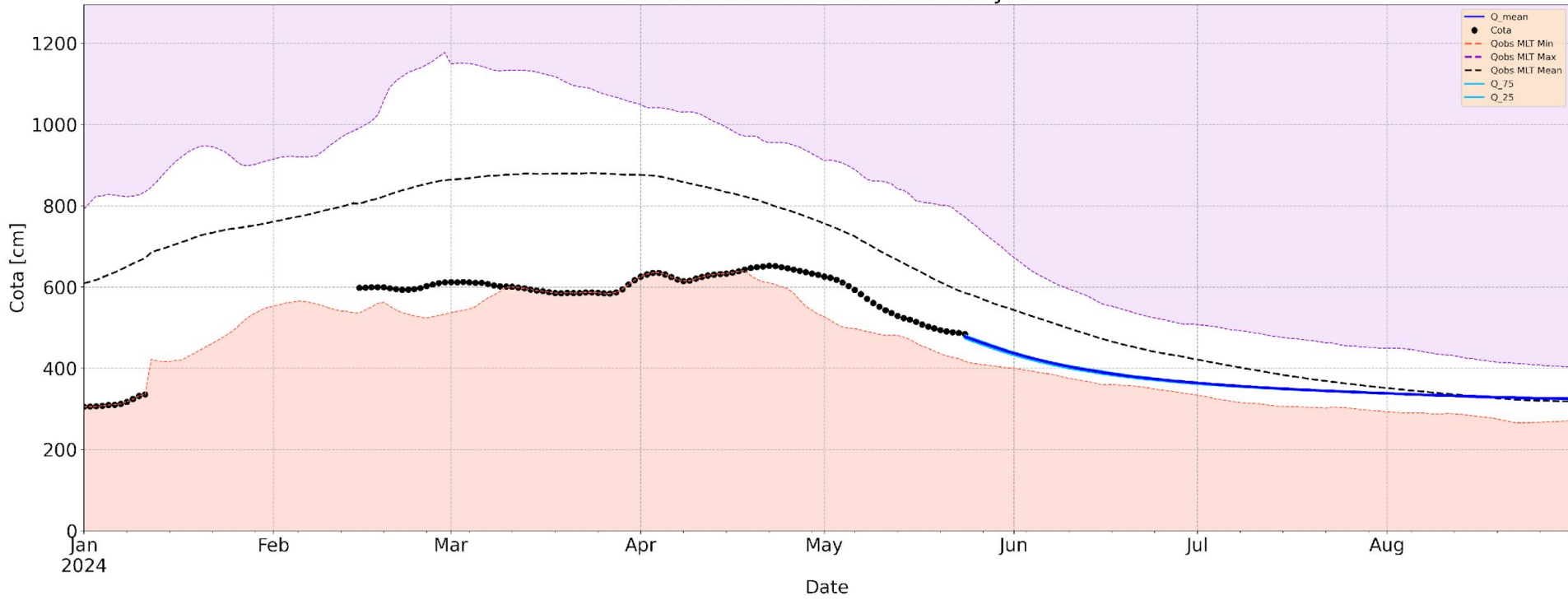
Previsão Sazonal :2024-05
GUAJARA-MIRIM : RIO MAMORE



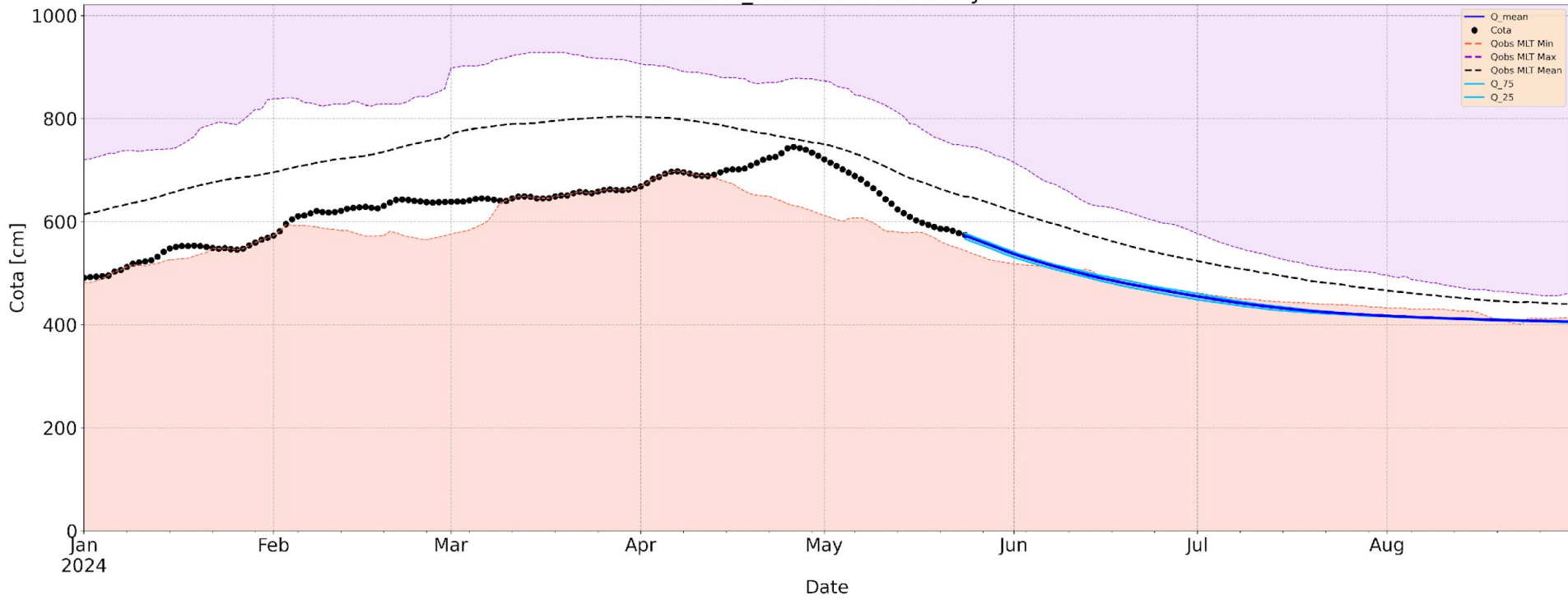
Previsão Sazonal :2024-05
PORTOVELHO : RIO MADEIRA



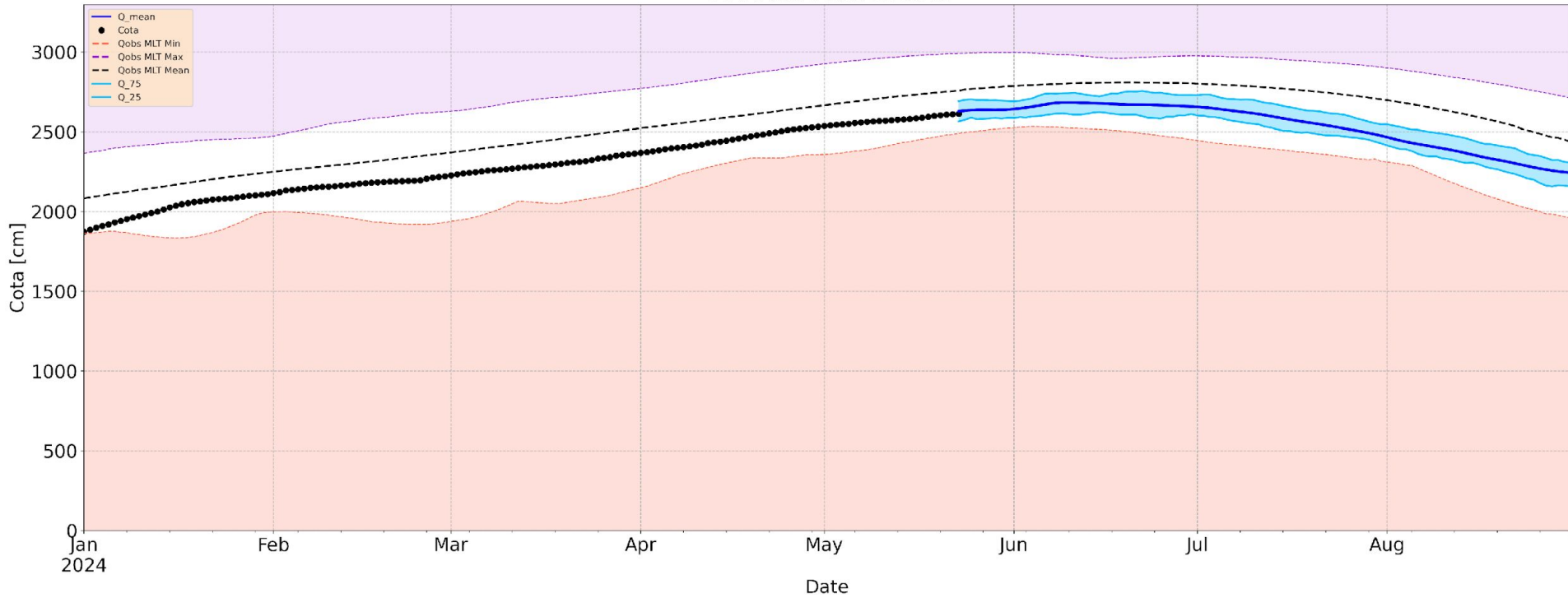
Previsão Sazonal :2024-05
BARRADOSAOMANUEL : RIO TAPAJOS



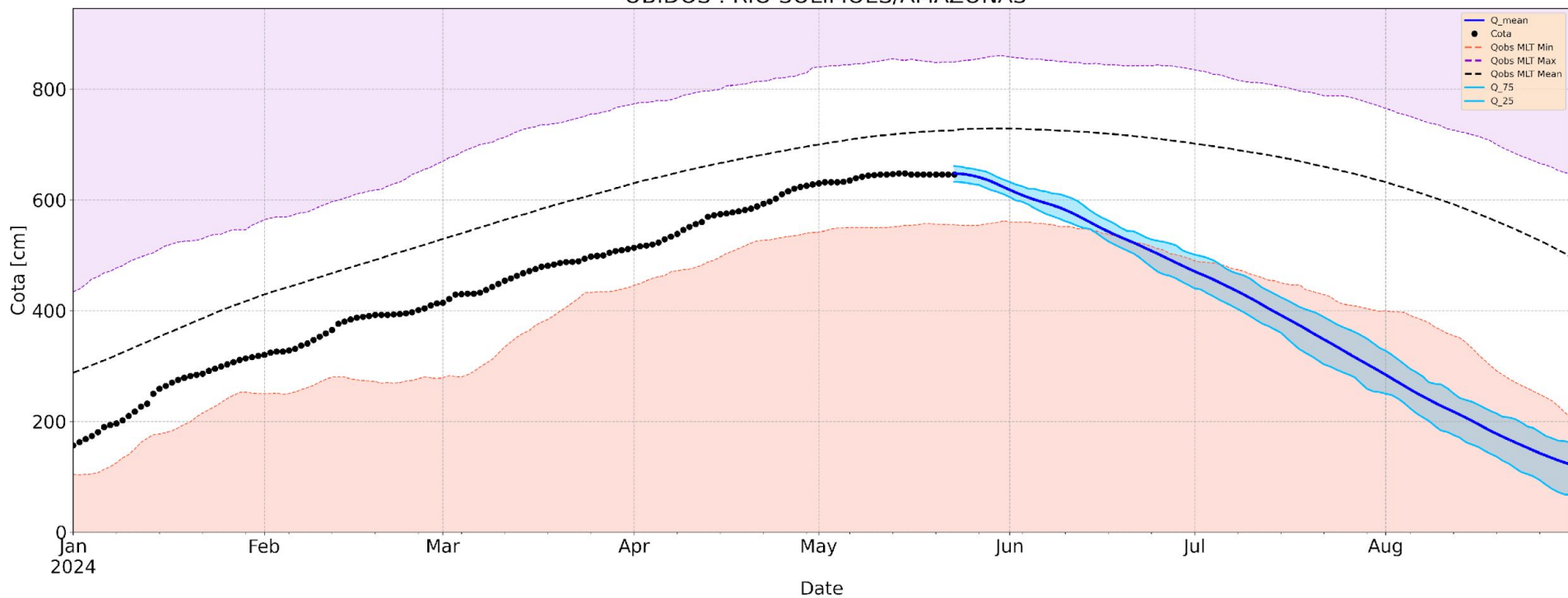
Previsão Sazonal :2024-05
BUBURE_ITAITUBA : RIO TAPAJOS



Previsão Sazonal :2024-05
MANAUS : RIO NEGRO



Previsão Sazonal :2024-05
OBIDOS : RIO SOLIMÕES/AMAZONAS



Previsão Sazonal :2024-05
LARANJALDOJARI : RIO JARI

