

CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais



Monitoramento e Previsões da situação hidrometeorológica na Região Sul

OUTUBRO 2024

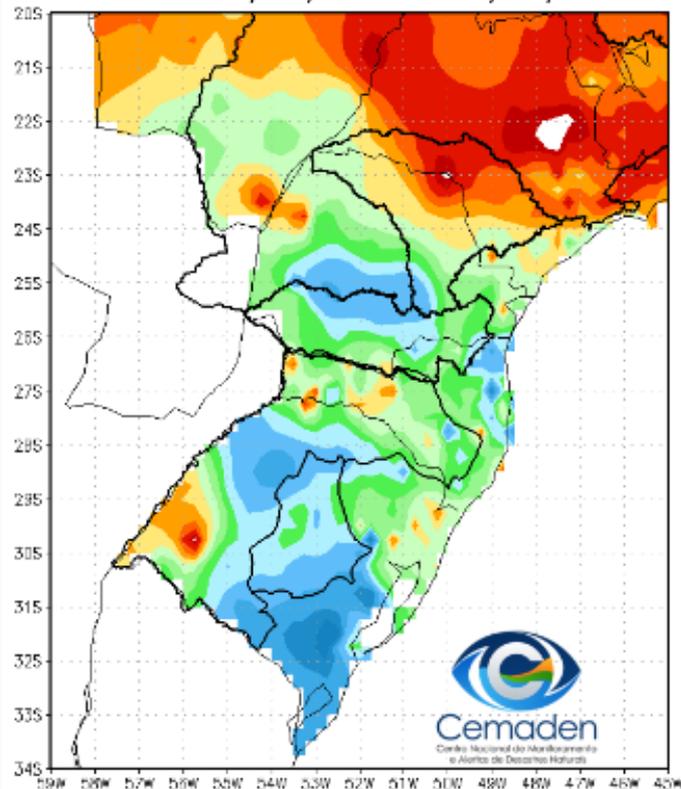


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

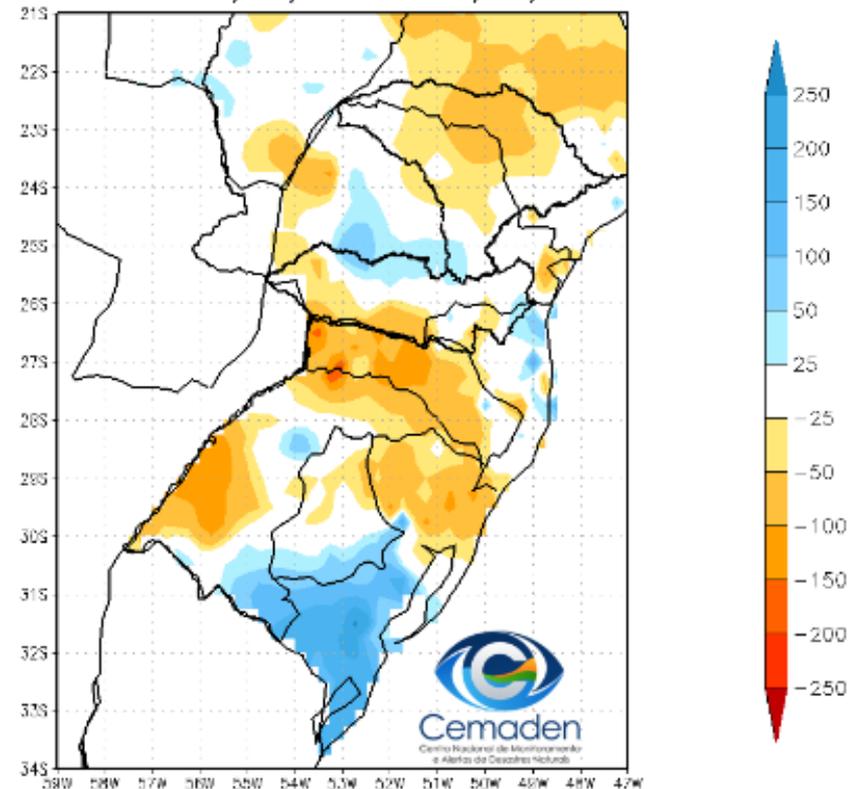


Precipitação nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 15/09/2024 a 15/10/2024

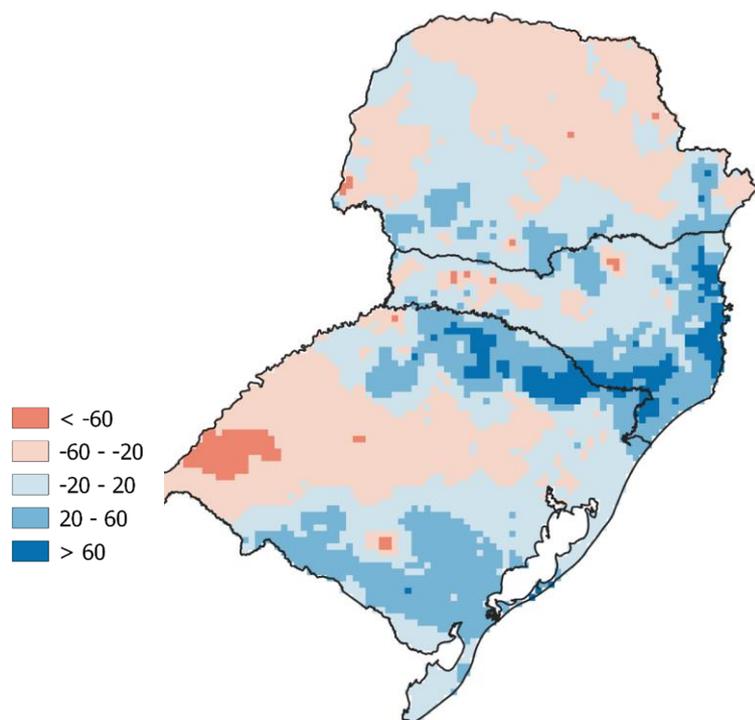


Anomalia de Precipitação (mm) A.S.
Período: 15/09/2024 a 15/10/2024

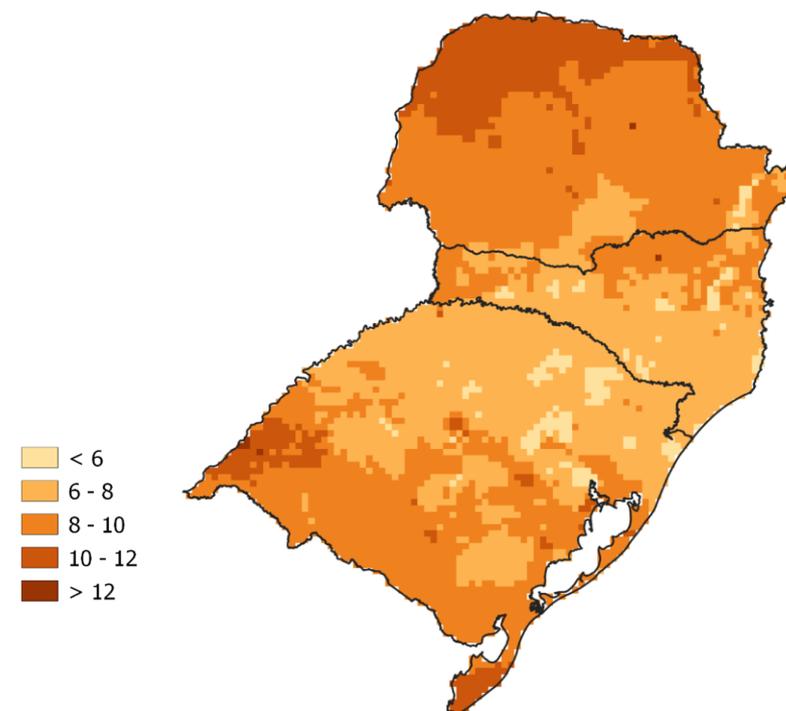


PRECIPITAÇÃO: OUTUBRO (ATÉ DIA 14) 2024

ANOMALIA (MM)

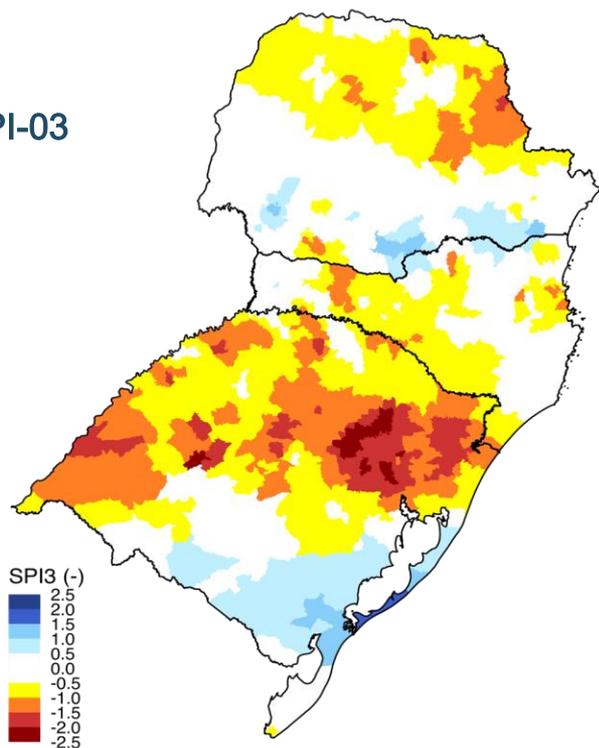


TOTAL DE DIAS SEM PRECIPITAÇÃO



SPI: SETEMBRO 2024

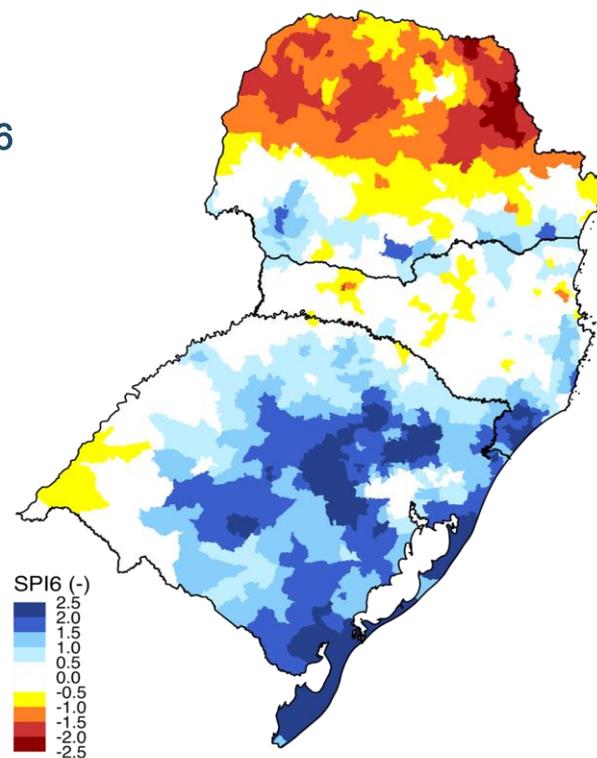
SPI-03



Setembro 2024
Índice Padronizado de Precipitação (SPI, 3 meses)
Fonte: Cemaden/MCTI.



SPI-06

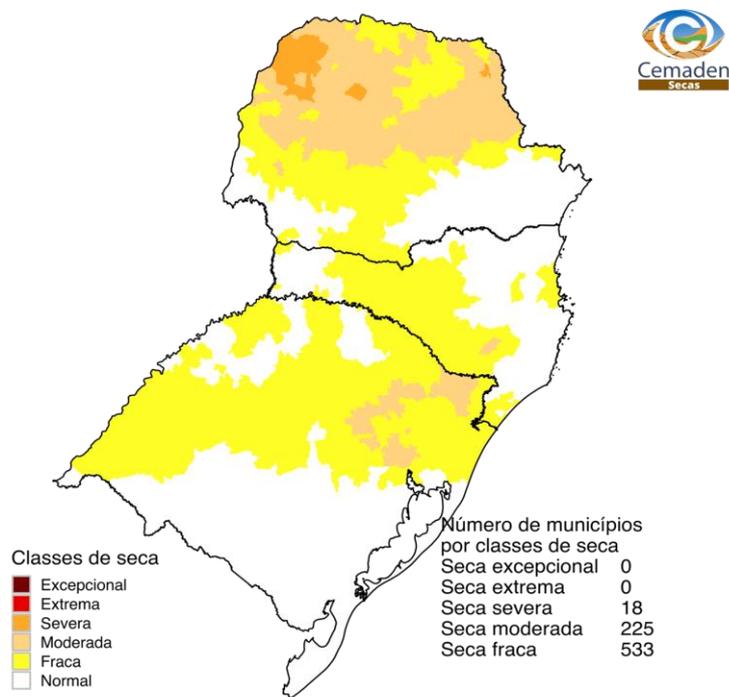


Setembro 2024
Índice Padronizado de Precipitação (SPI, 6 meses)
Fonte: Cemaden/MCTI.



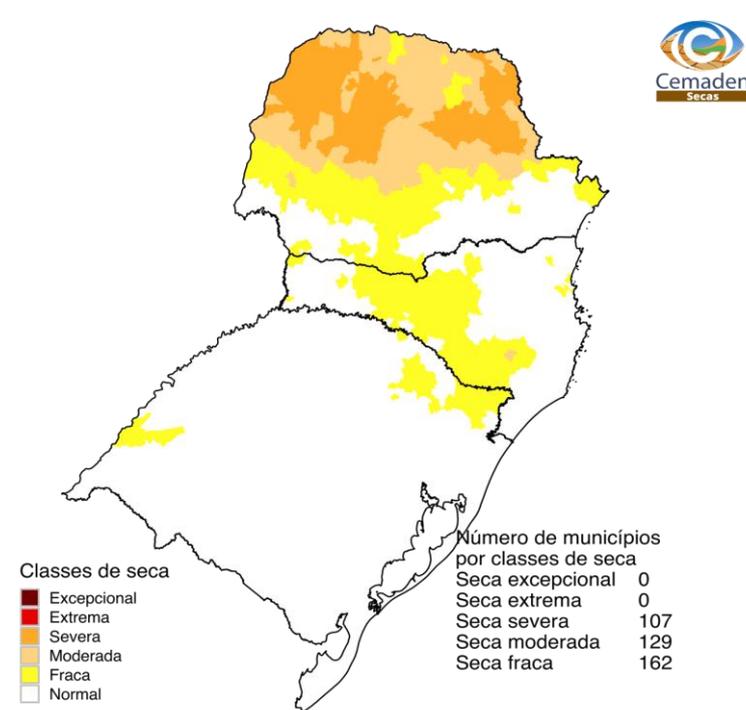
ÍNDICE INTEGRADO DE SECA: ANÁLISE POR **MUNICÍPIOS**

IIS-03 OBSERVADO



Setembro 2024
Índice Integrado de Seca (SPI3, VHI, US)
Fonte: Cemaden/MCTI.

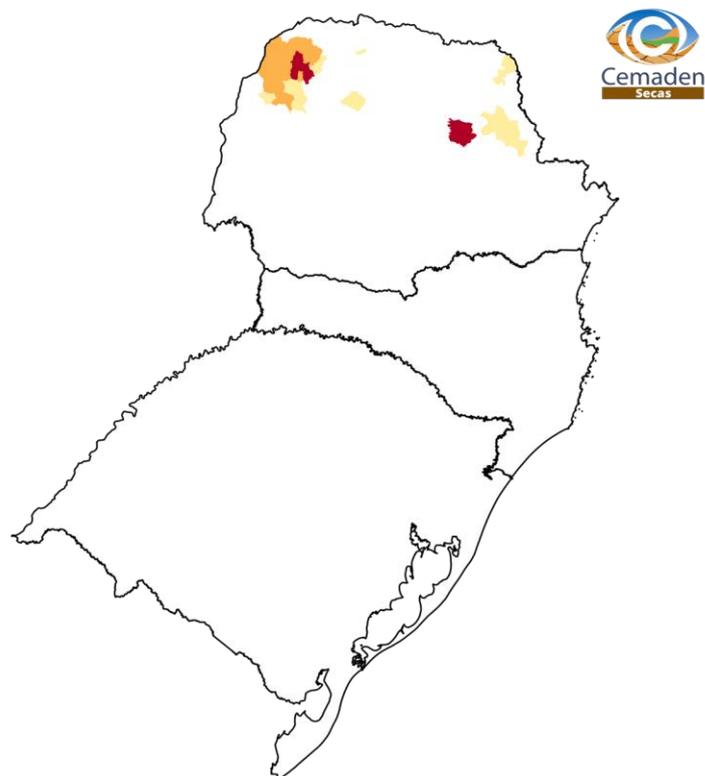
IIS-06 OBSERVADO



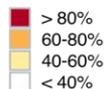
Setembro 2024
Índice Integrado de Seca (SPI6, VHI, US)
Fonte: Cemaden/MCTI.

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS

IIS

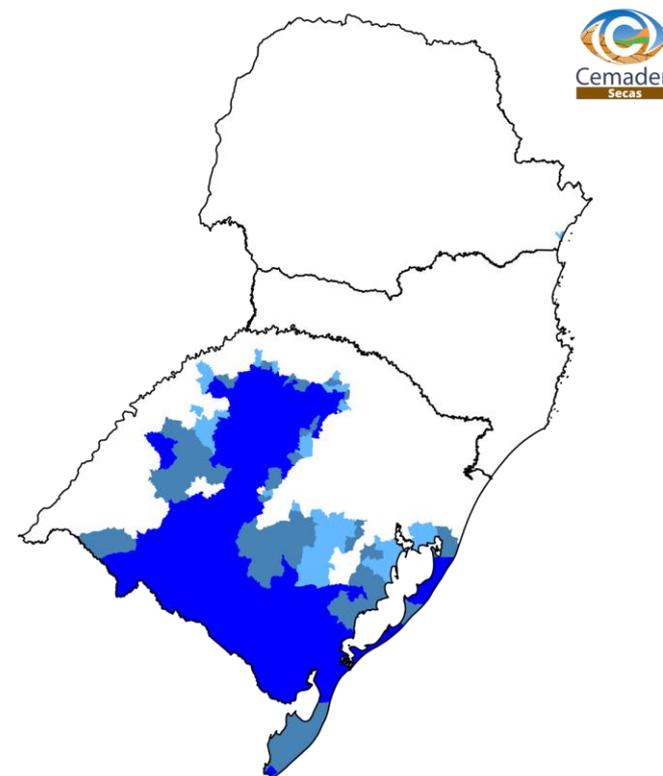


Fração da área afetada

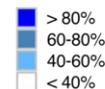


Setembro 2024
Fração da área agroprodutiva afetada pela seca
Fonte: Cemaden/MCTI.

IARA



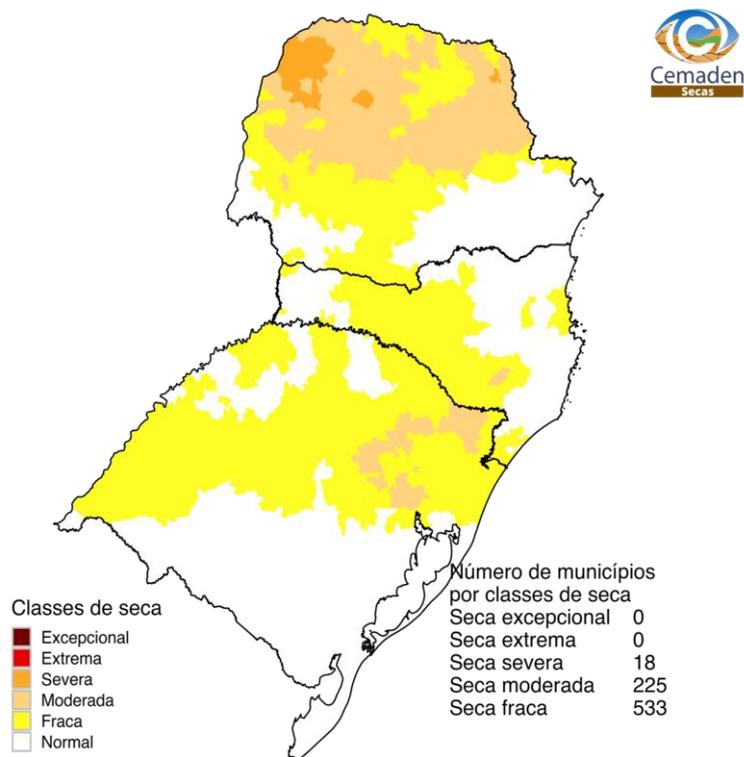
Fração da área afetada



Setembro 2024
Fração da área agroprodutiva afetada pelo excesso de água - IARA
Fonte: Cemaden/MCTI.

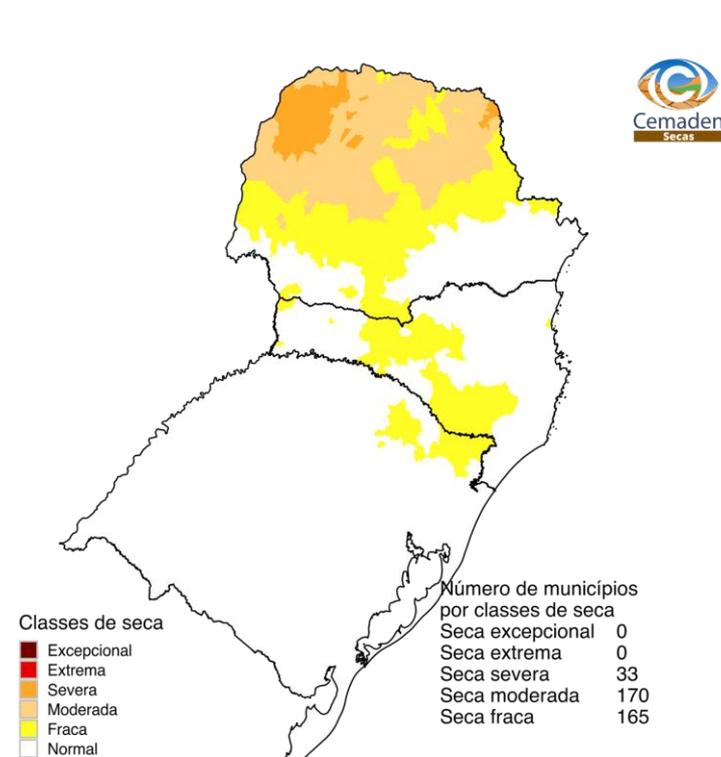
ÍNDICE INTEGRADO DE SECA (3 MESES)

IIS-03 OBSERVADO



Setembro 2024
Índice Integrado de Seca (SPI3, VHI, US)
Fonte: Cemaden/MCTI.

IIS-03 PREVISÃO 30 DIAS

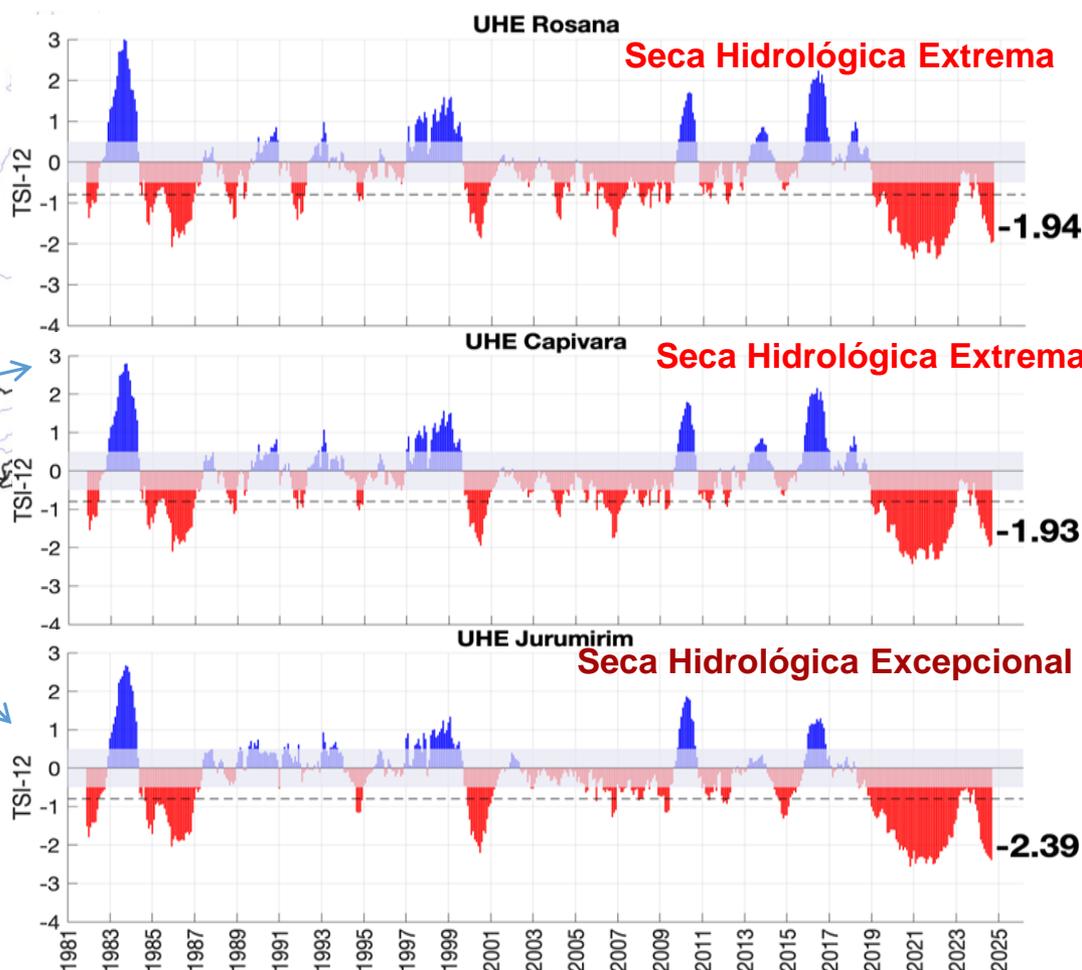
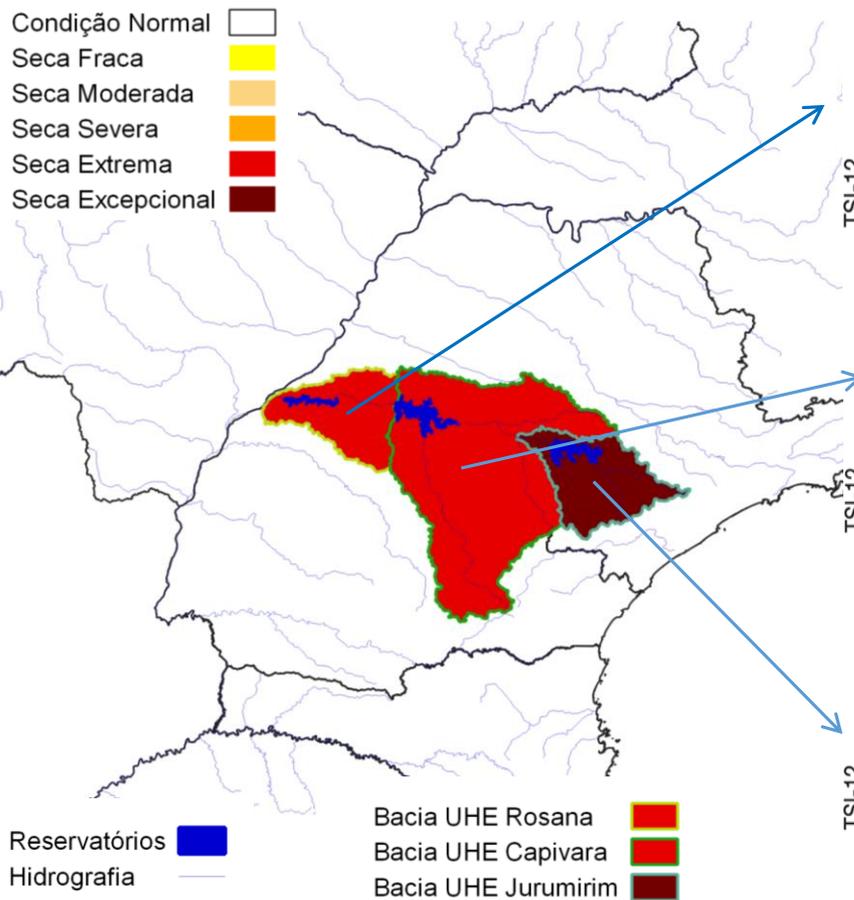


Outubro 2024
Previsão do Índice Integrado de Seca (SPI3 previsão, VHI3, US3)
Fonte: Cemaden/MCTI.

BACIA DO RIO PARANAPANEMA

Índice de Seca Bivariado (Chuva-Vazão) – TSI 12

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



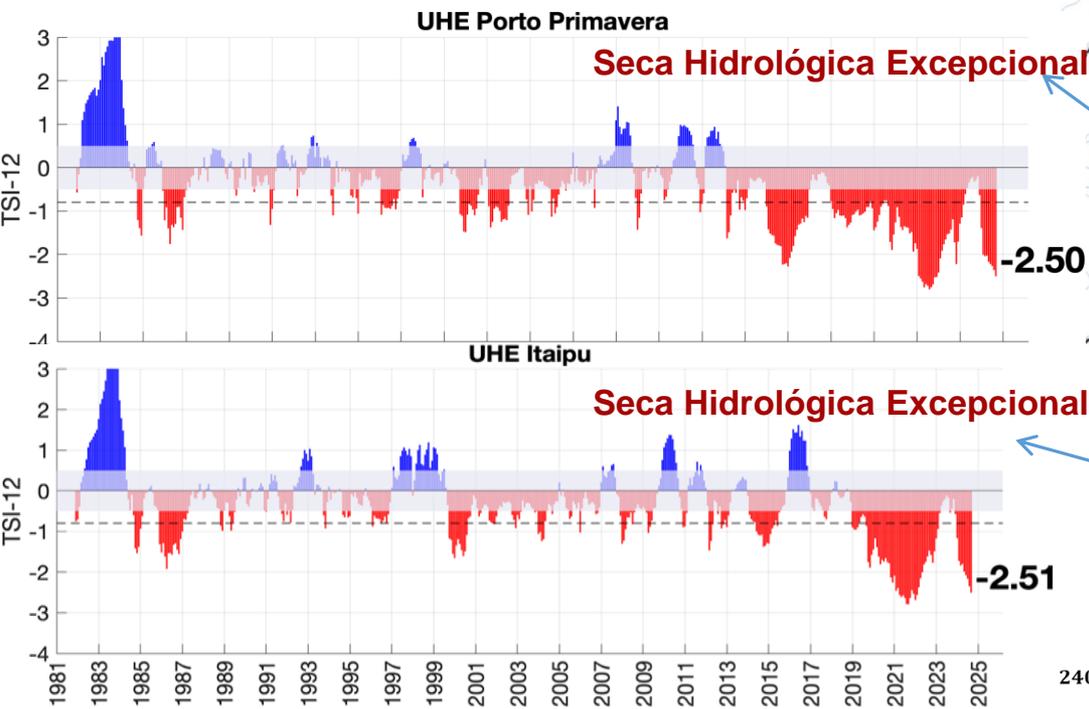
Fonte: CEMADEN/MCTI

Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA)

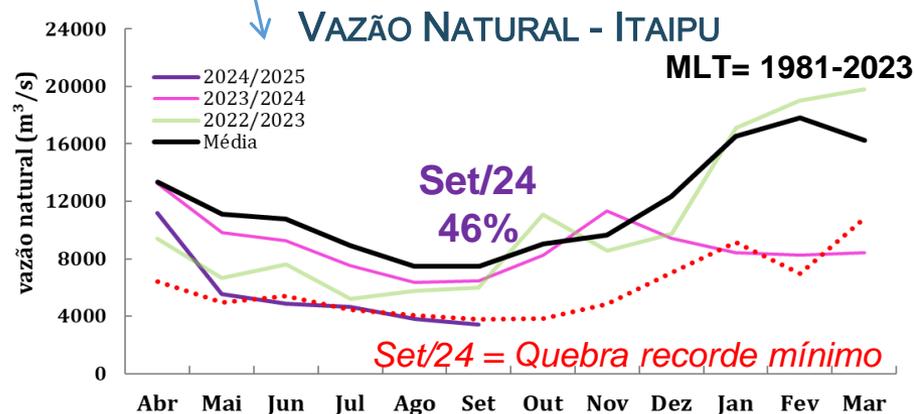
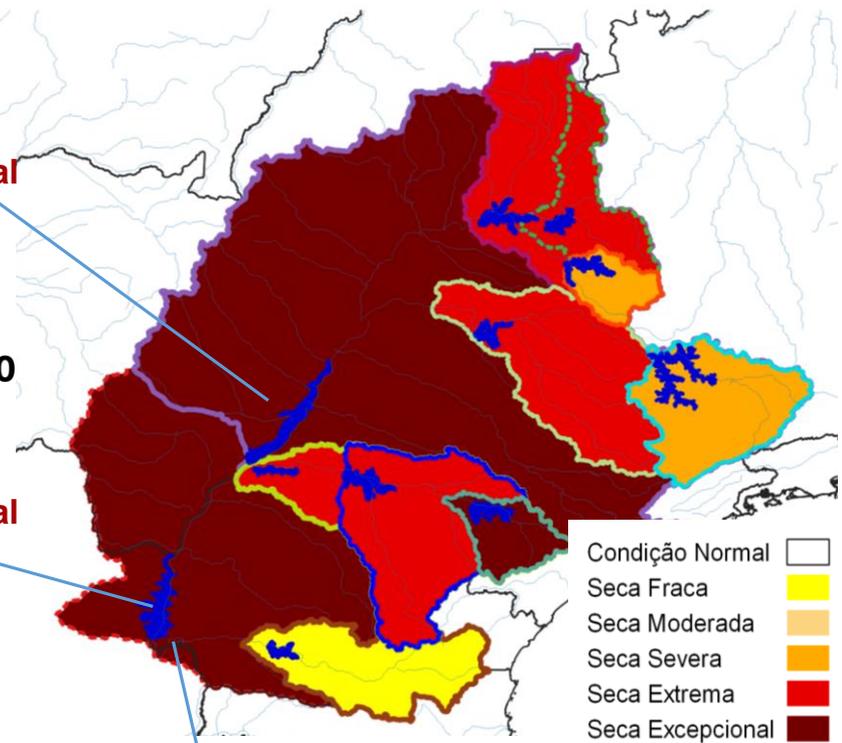
Série de dados = Jan/1981- Set/2024

BACIA DO RIO PARANÁ

Índice de Seca Bivariado (Chuva-Vazão) – TSI 12

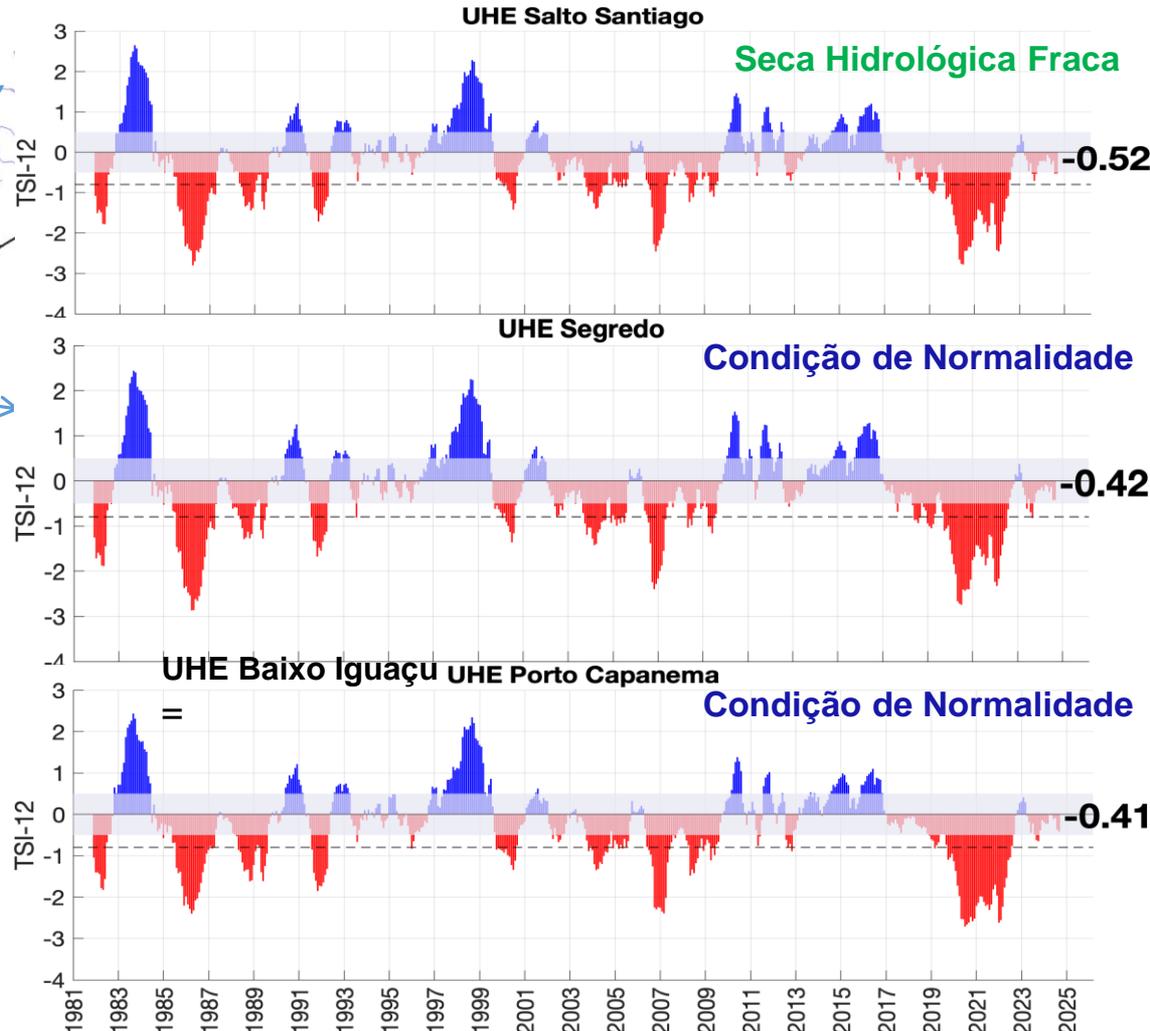
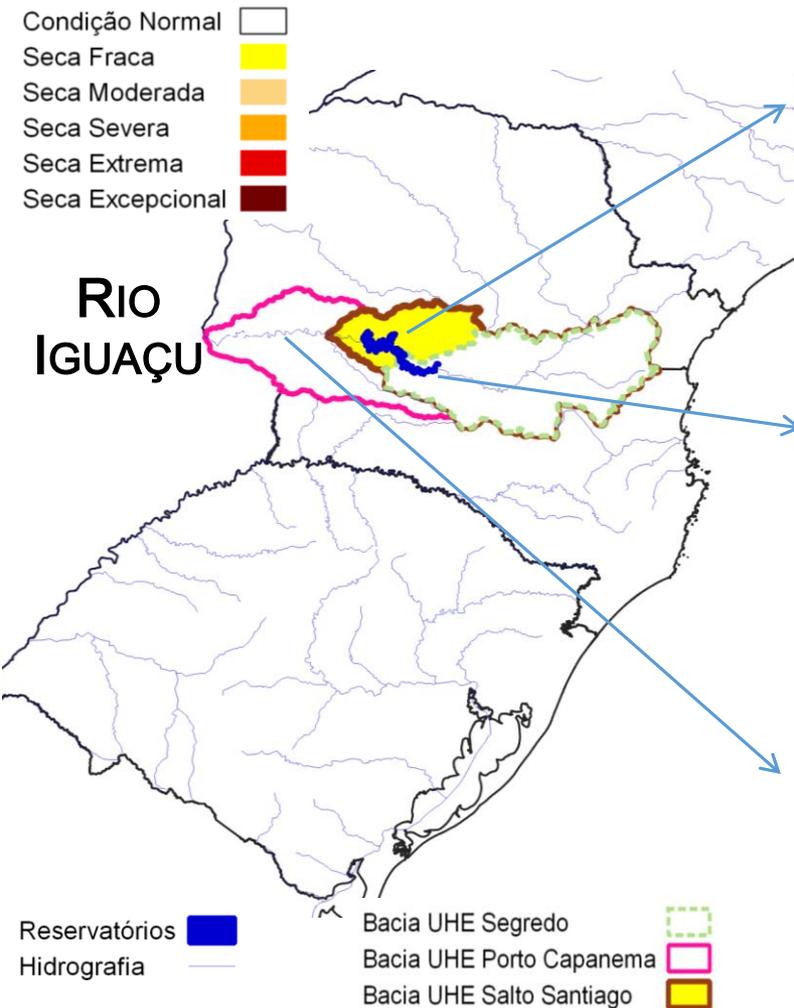


Série de dados = Jan/1981- Set/2024



BACIA DO RIO IGUAÇU

Índice de Seca Bivariado (Chuva-Vazão) – TSI 12



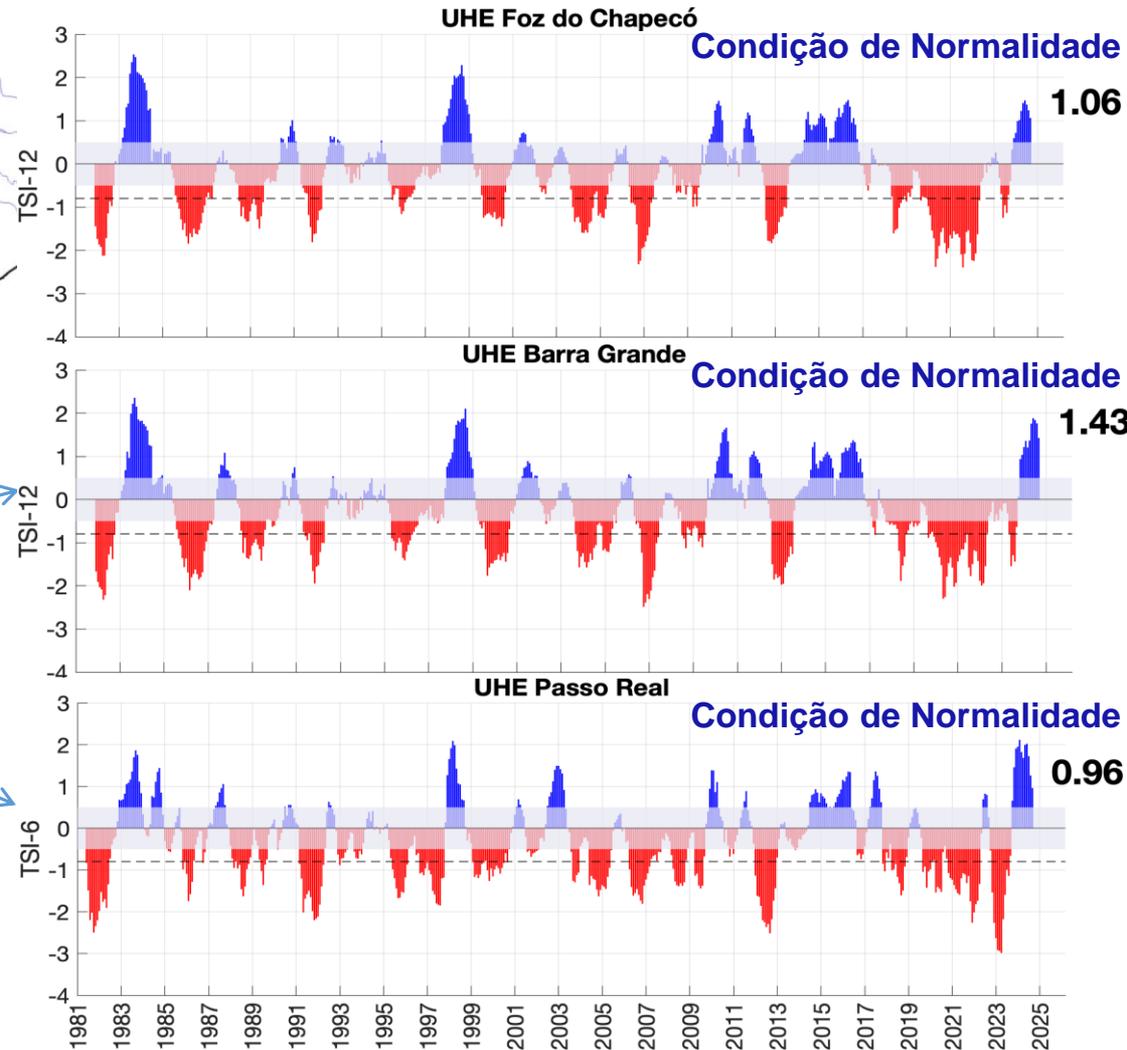
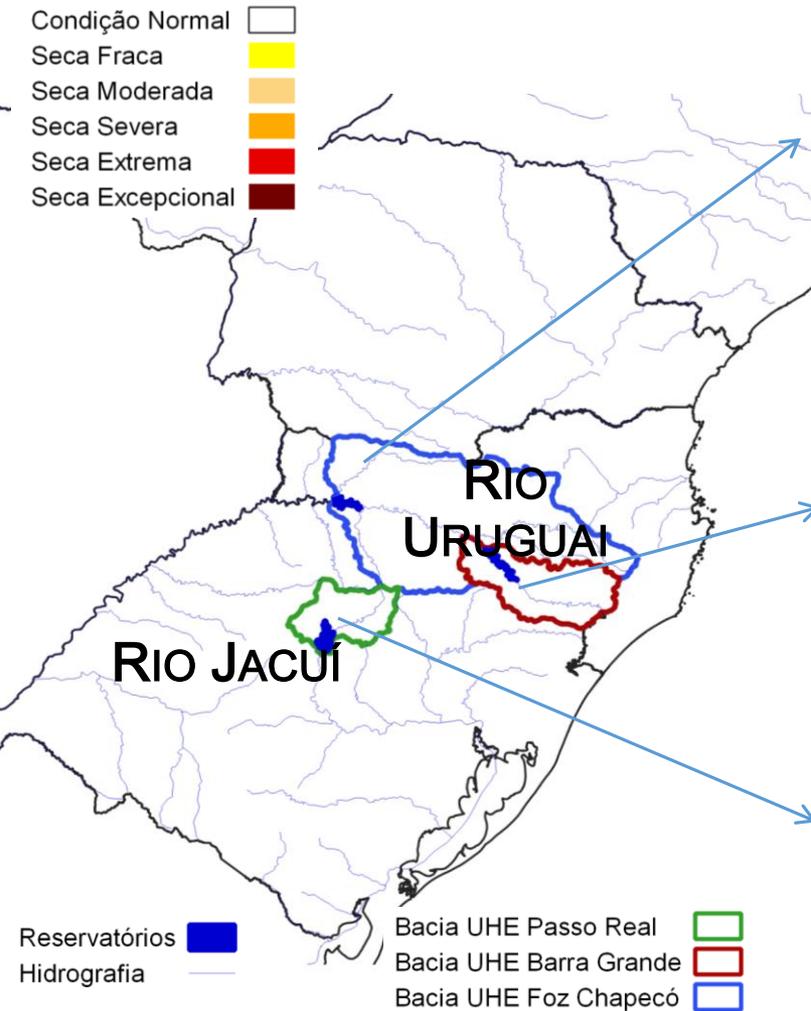
Fonte: CEMADEN/MCTI

Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA)

Série de dados = Jan/1981- Set/2024

BACIAS HIDROGRÁFICAS: ESTADOS SC-RS

Índice de Seca Bivariado (Chuva-Vazão) – TSI



Série de dados = Jan/1981- Set/20

Fonte: CEMADEN/MCTI

Dados: Precipitação (CHIRPS) e Vazão (ONS e ANA)

BACIAS HIDROGRÁFICAS: PARANAPANEMA E PARANÁ

Previsão

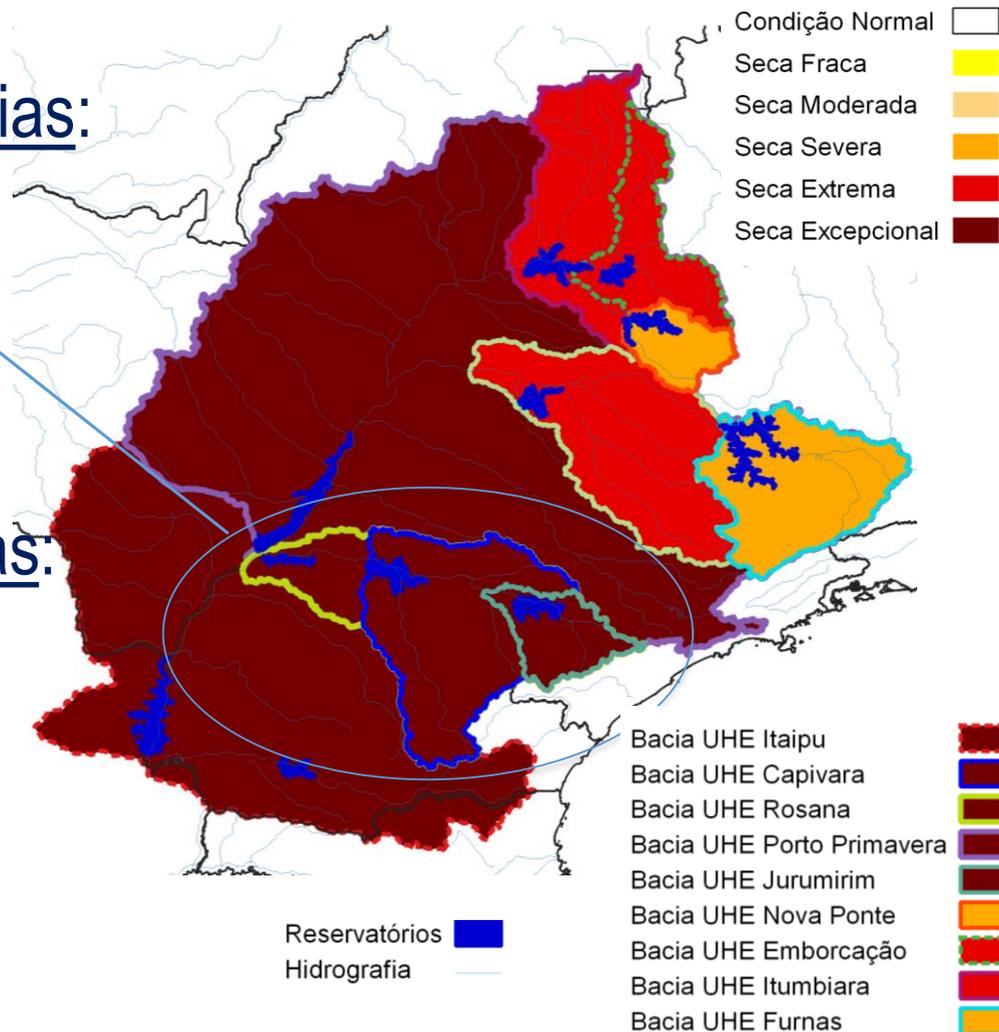
Índice de Seca Bivariado (Chuva-Vazão) – TSI

Intensificação da seca nas bacias:

- Rosana
- Capivara

Estabilidade da seca nas bacias:

- Porto Primavera
- Itaipu



BACIAS HIDROGRÁFICAS: ESTADOS PR-SC-RS

Previsão

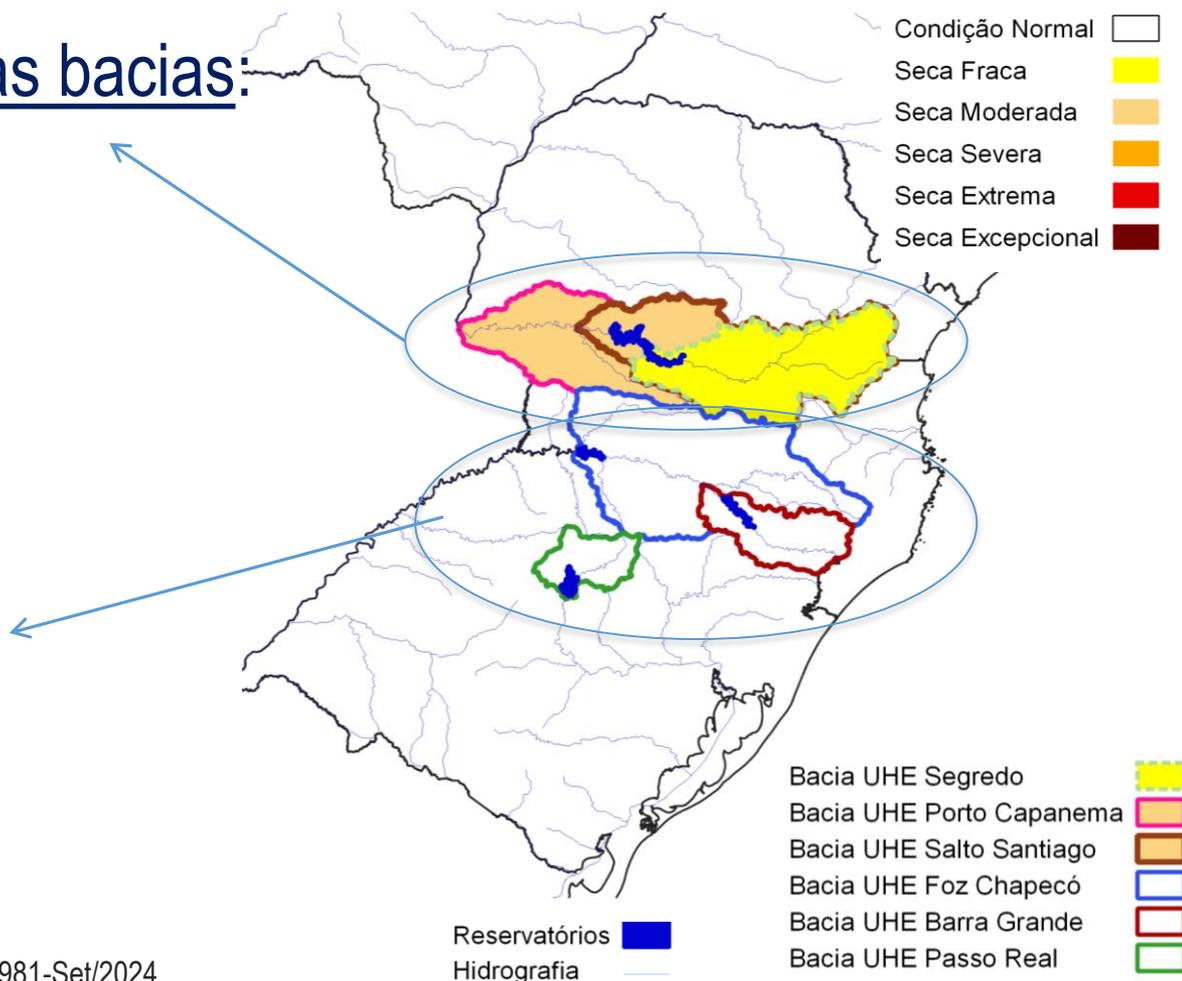
Índice de Seca Bivariado (Chuva-Vazão) – TSI

Intensificação da seca nas bacias:

- Segredo
- Porto Capanema
- Salto Santiago

Estabilidade nas bacias:

- Foz do Chapecó
- Barra Grande
- Passo Real

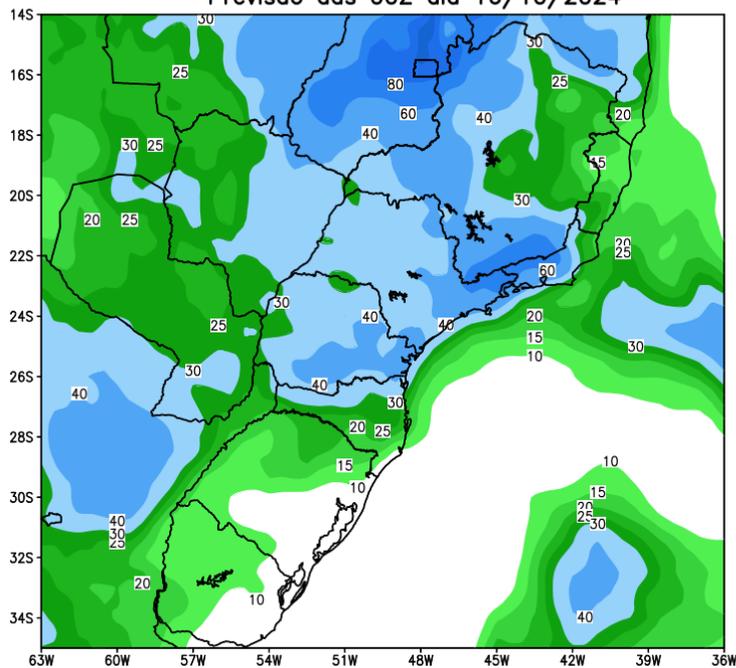


Situação meteorológica atual

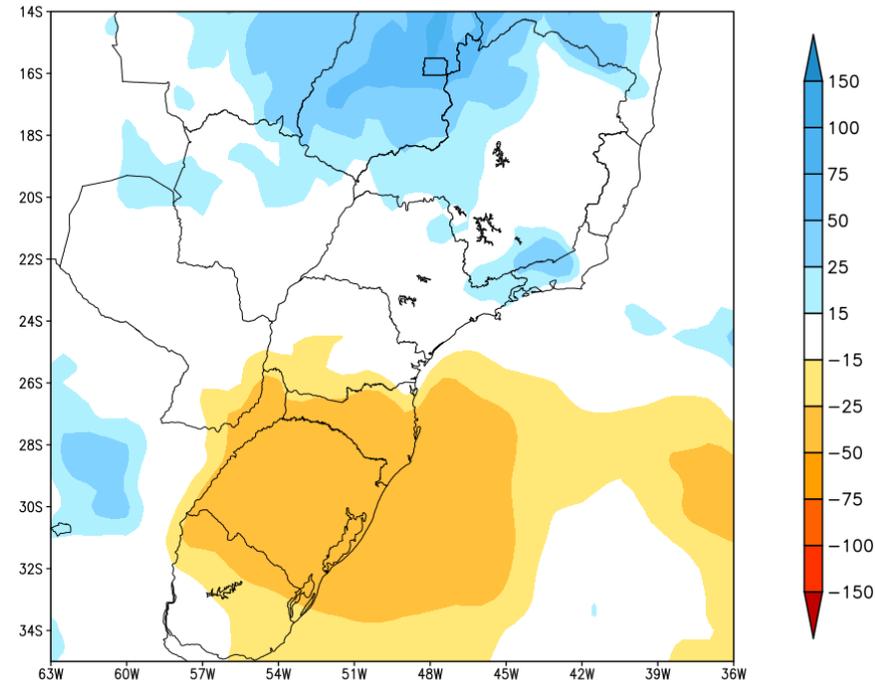


Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitação acumulada 1aSem (mm)
Previsão das 00Z dia 16/10/2024



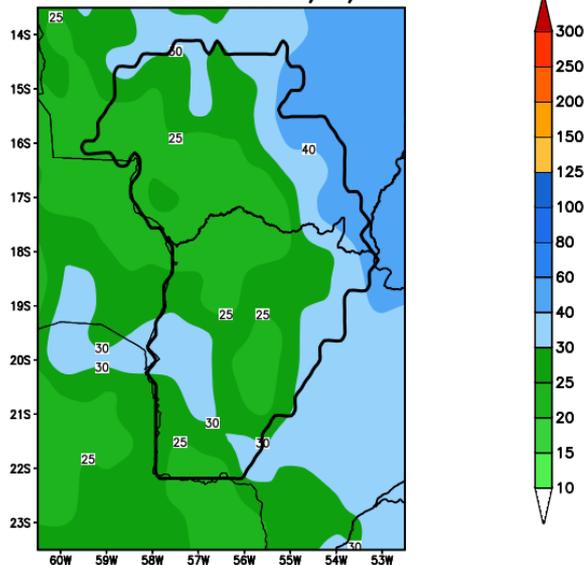
Anomalia de Precipitação BR_SUL (mm)
Período: 2024101600 a 2024102300



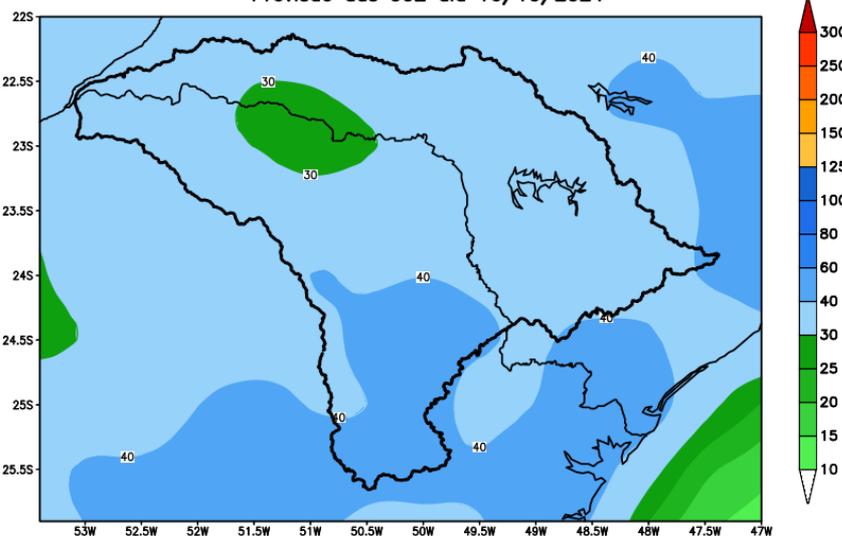
MODELO GEFS

Previsão para as principais bacias

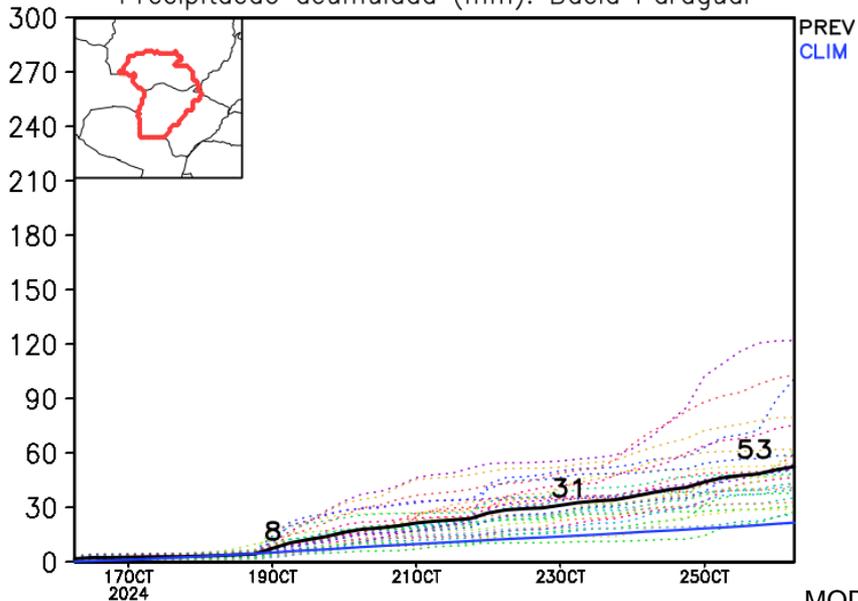
GEFS / Bacia do Rio Paraguai
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 16/10/2024



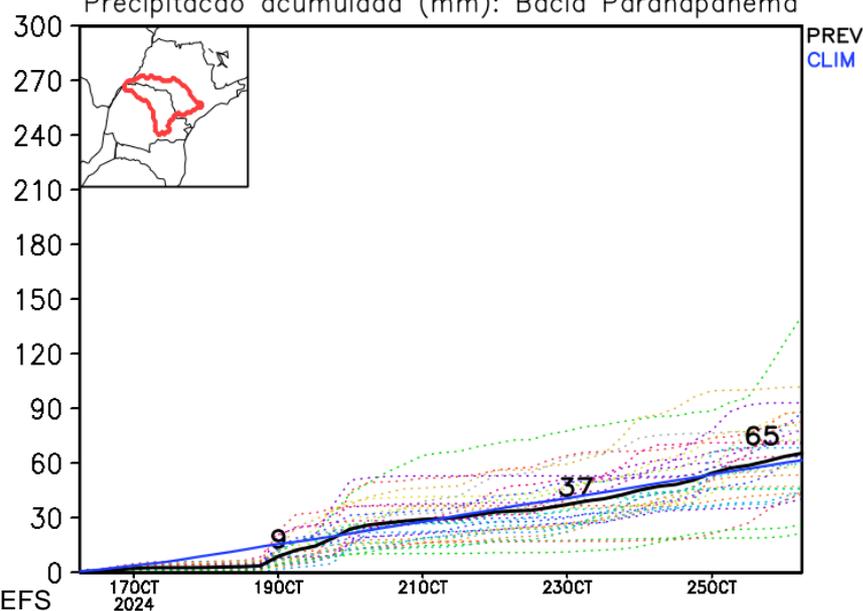
GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 16/10/2024



Precipitação acumulada (mm): Bacia Paraguai

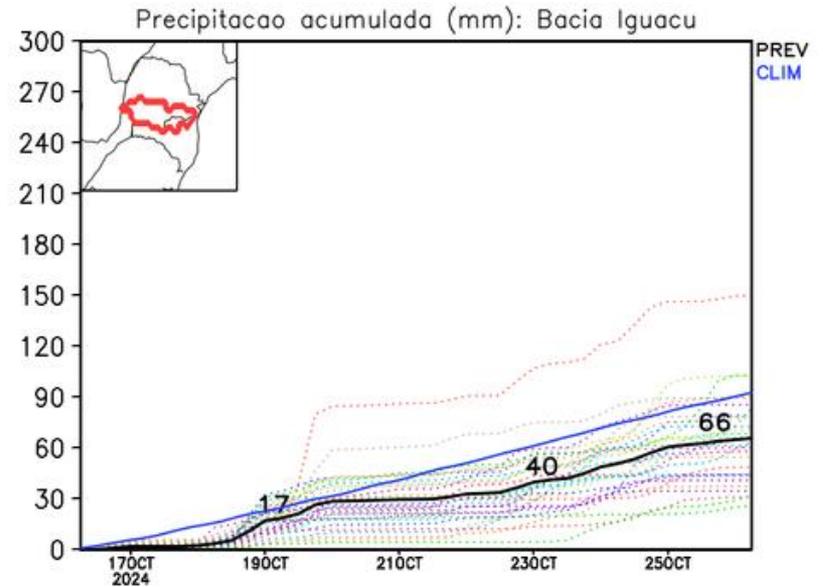
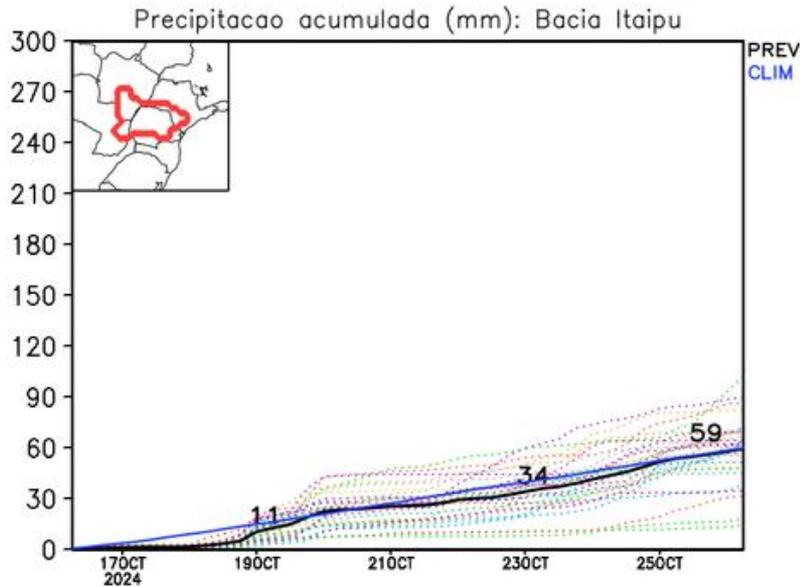
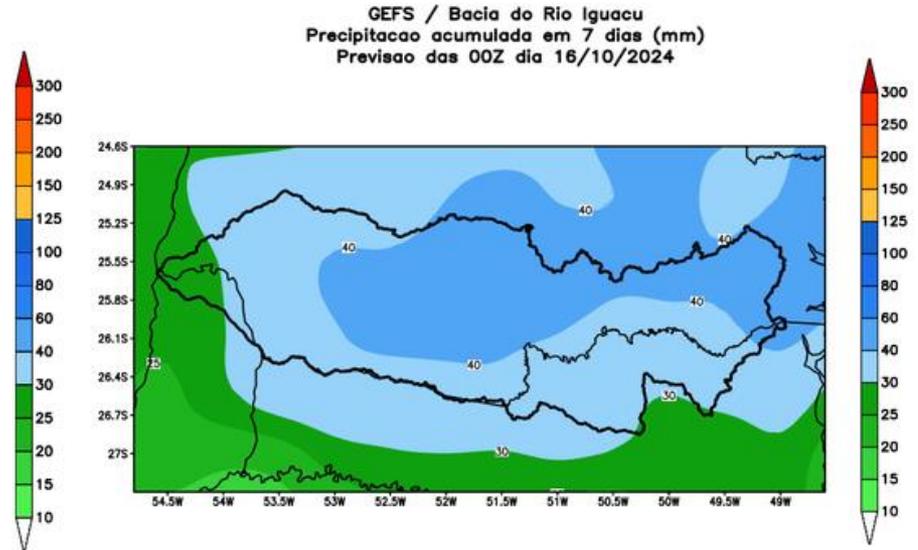
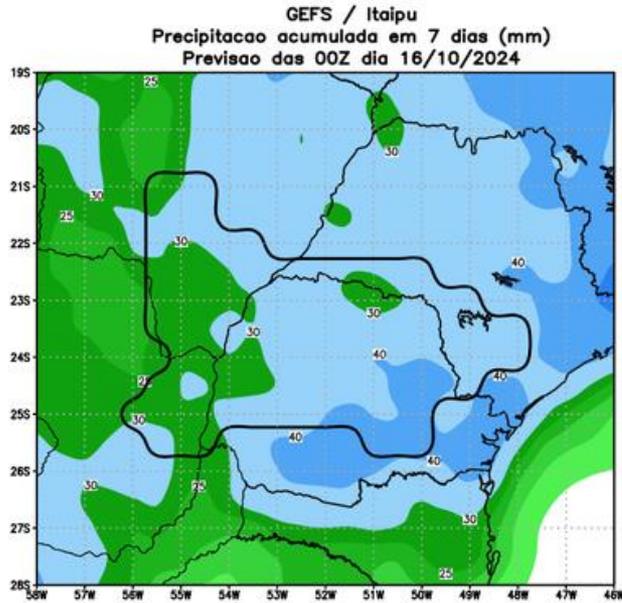


Precipitação acumulada (mm): Bacia Paranapanema

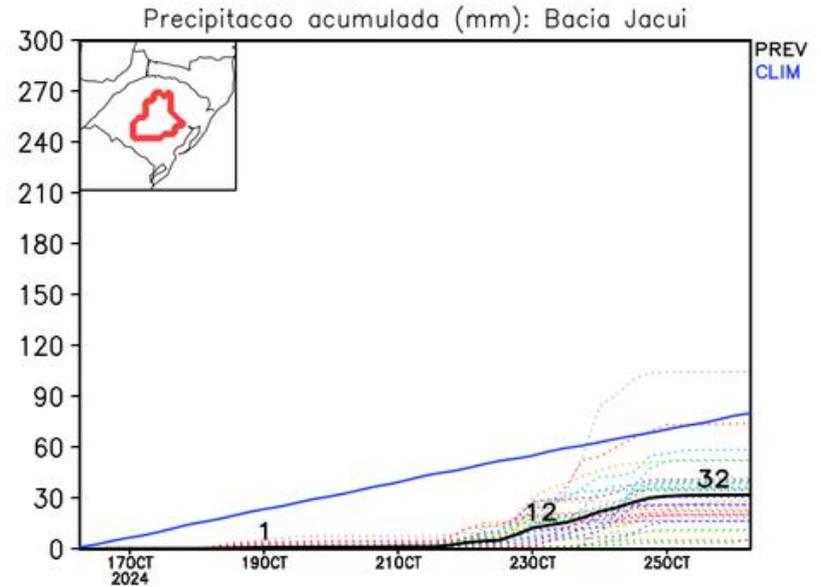
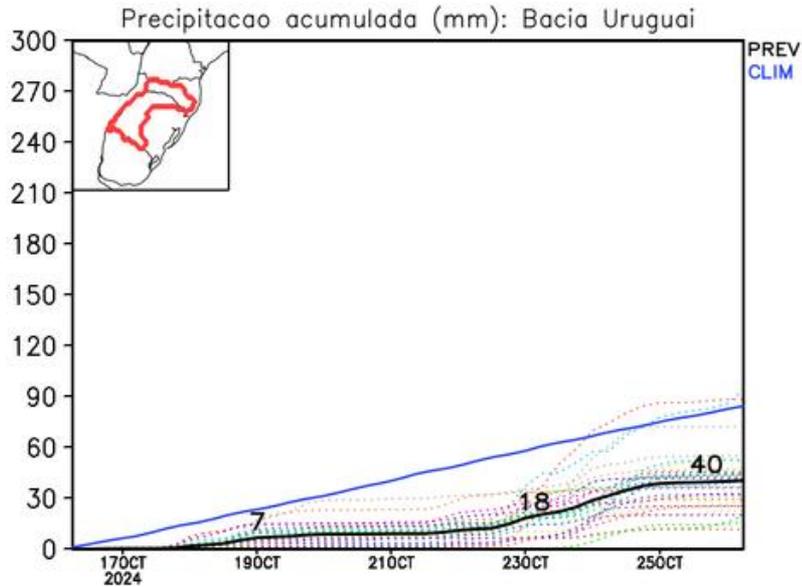
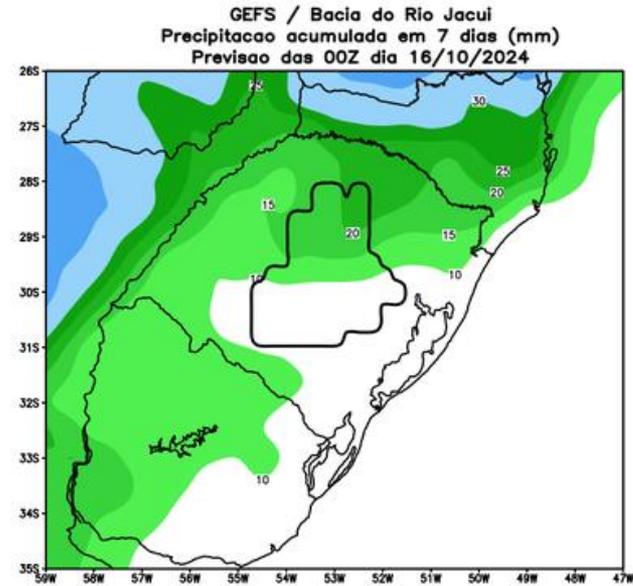
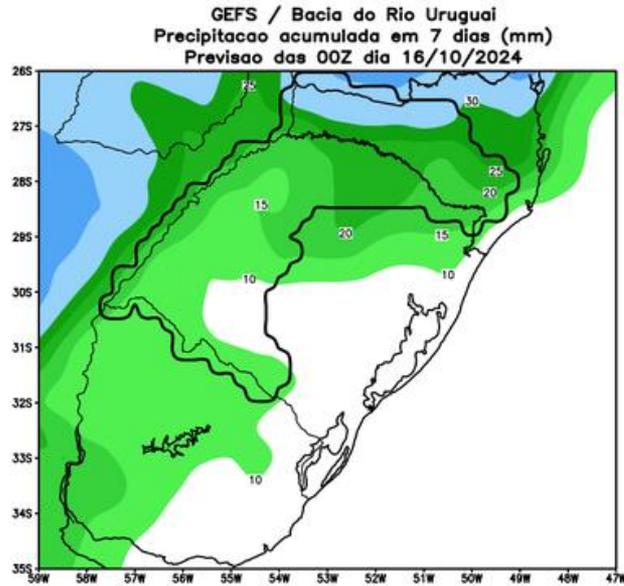


MODELO GEFS

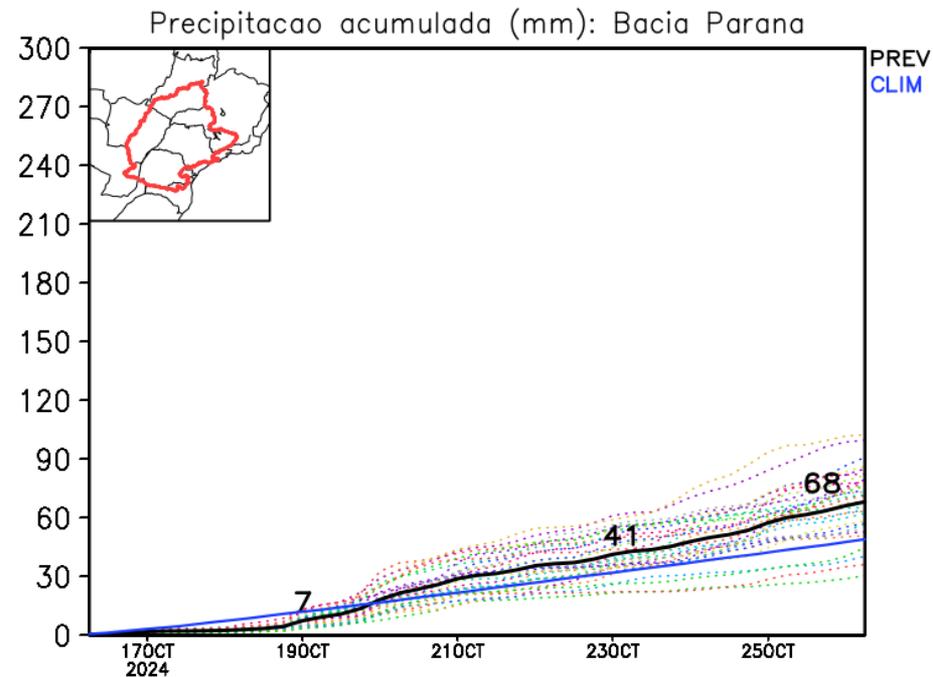
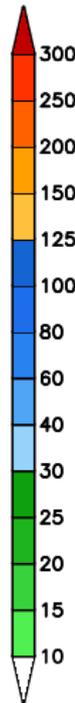
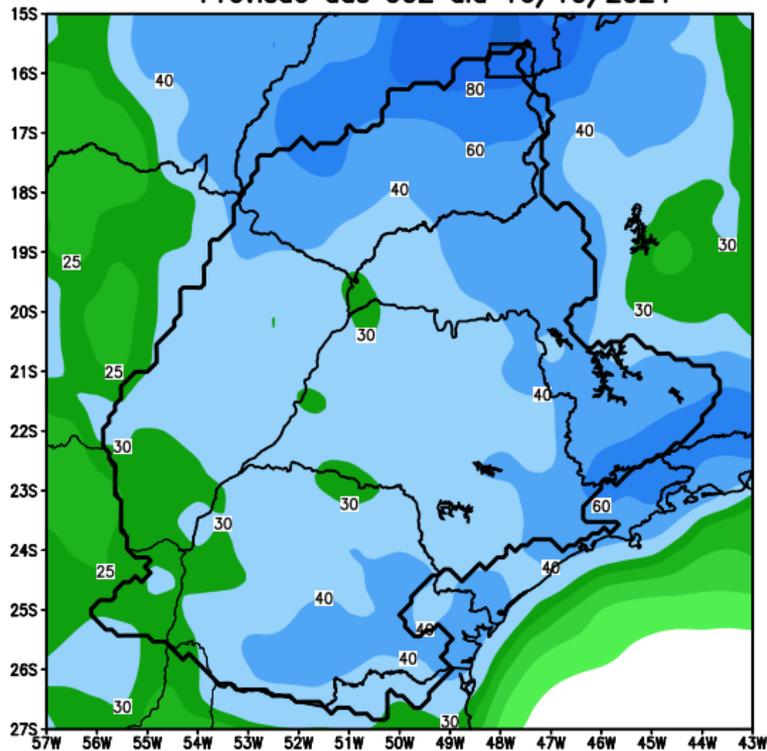
Previsão para as principais bacias



Previsão para as principais bacias

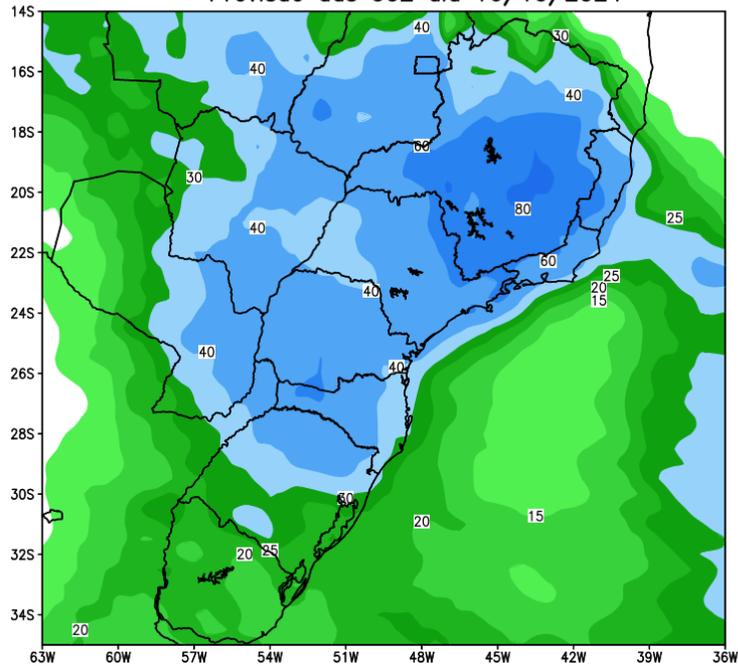


GEFS / Bacia do Parana
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 16/10/2024

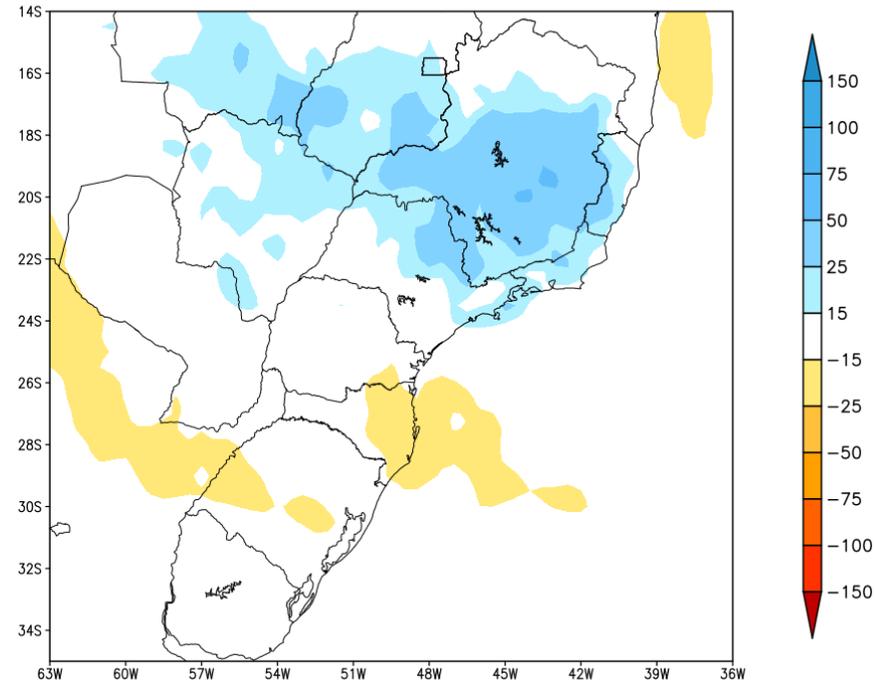


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitação acumulada 2aSem (mm)
Previsão das 00Z dia 16/10/2024



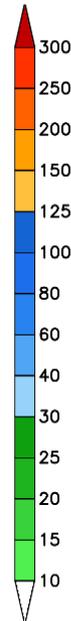
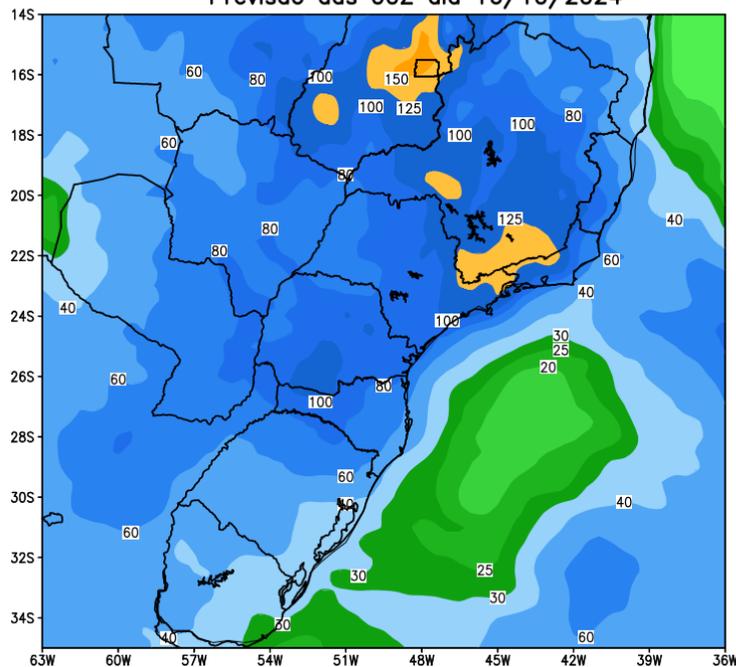
Anomalia de Precipitação BR_SUL (mm)
Período: 2024102400 a 2024103000



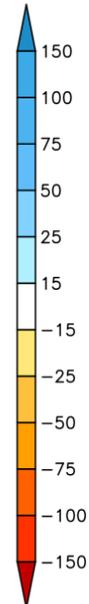
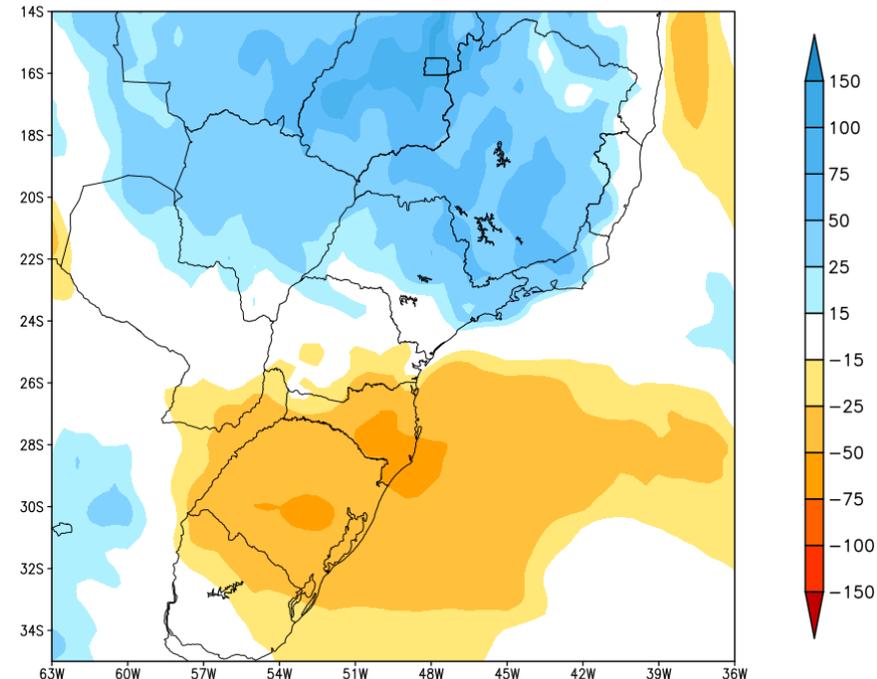
MODELO GEFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitação acumulada 14 dias (mm)
Previsão das 00Z dia 16/10/2024



Anomalia de Precipitação BR_SUL (mm)
Período: 2024101600 a 2024103000



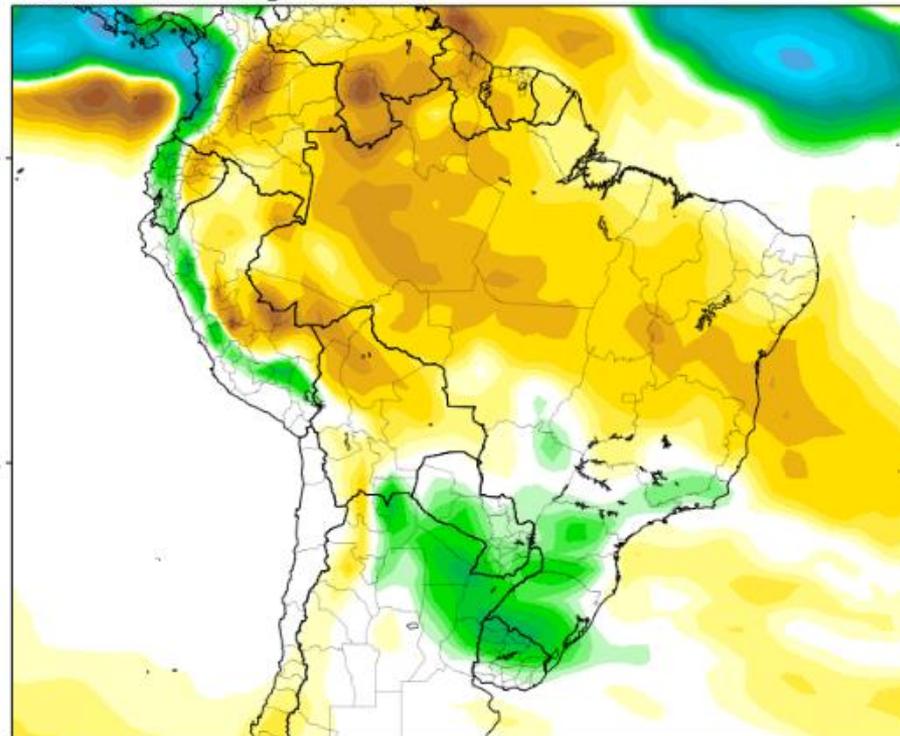
MODELO GEFS

Tendência 3a e 4a semanas

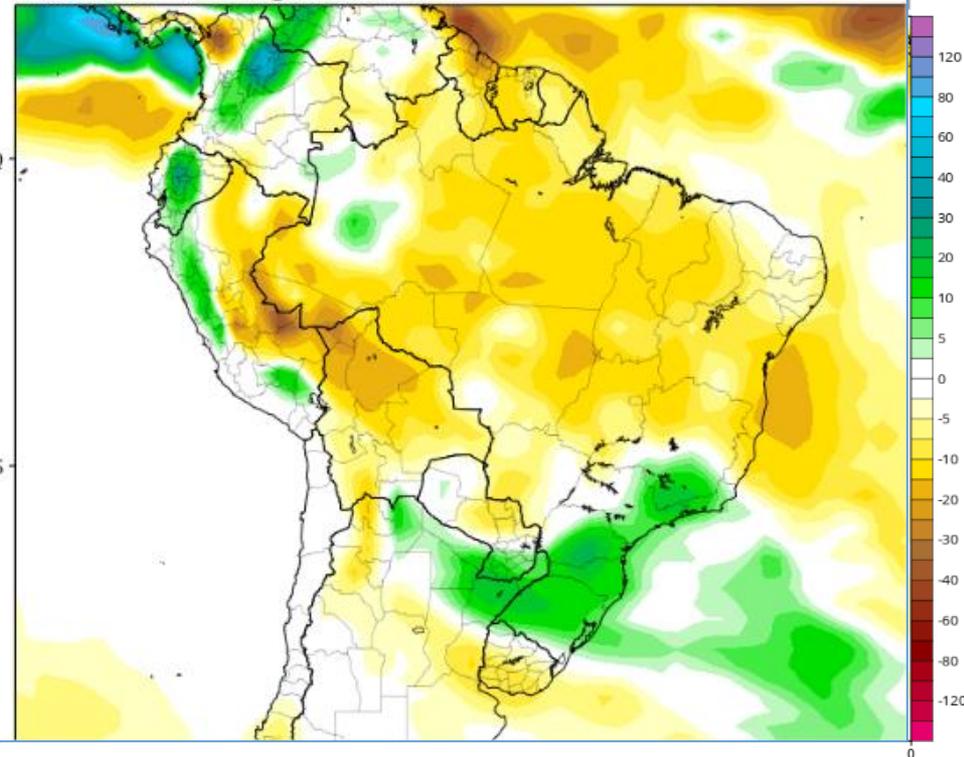
28Out – 04/10

04-11 Out

Init: 06z Oct 11 2024 through 00z Oct 14 2024

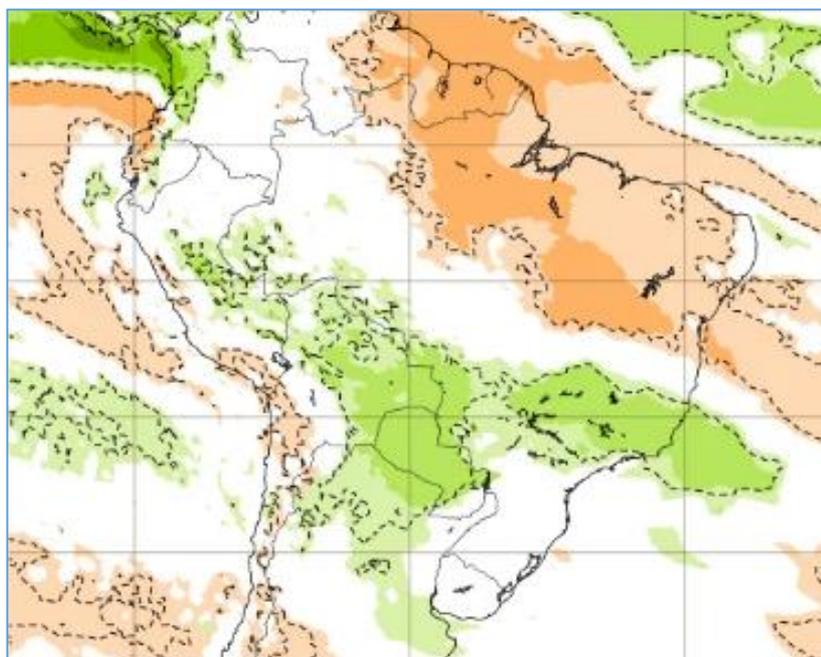


Init: 06z Oct 11 2024 through 00z Oct 14 2024

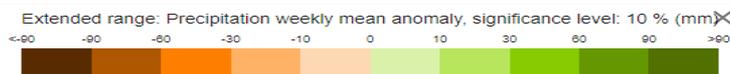
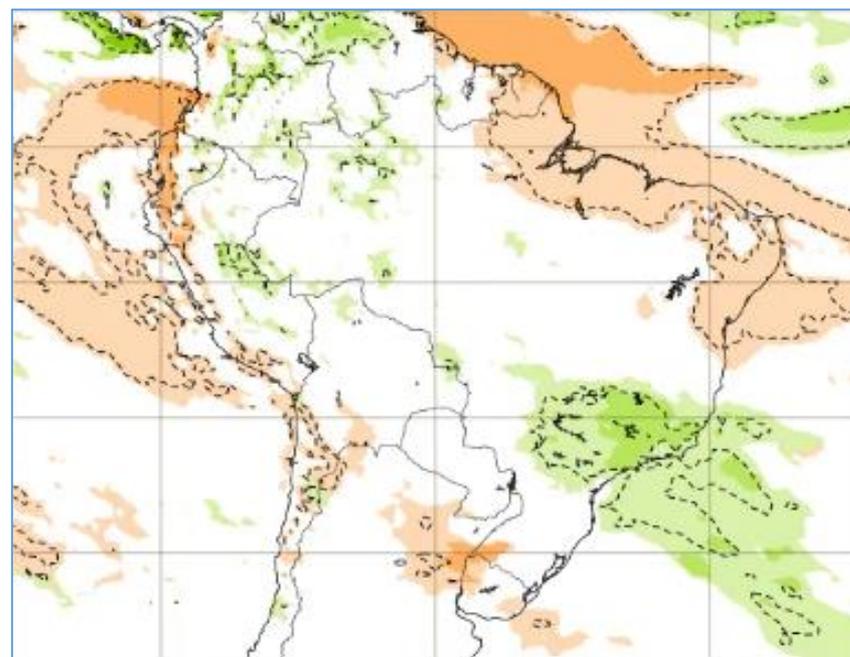


Tendência para 3ª e 4ª semanas

28Out – 04/10

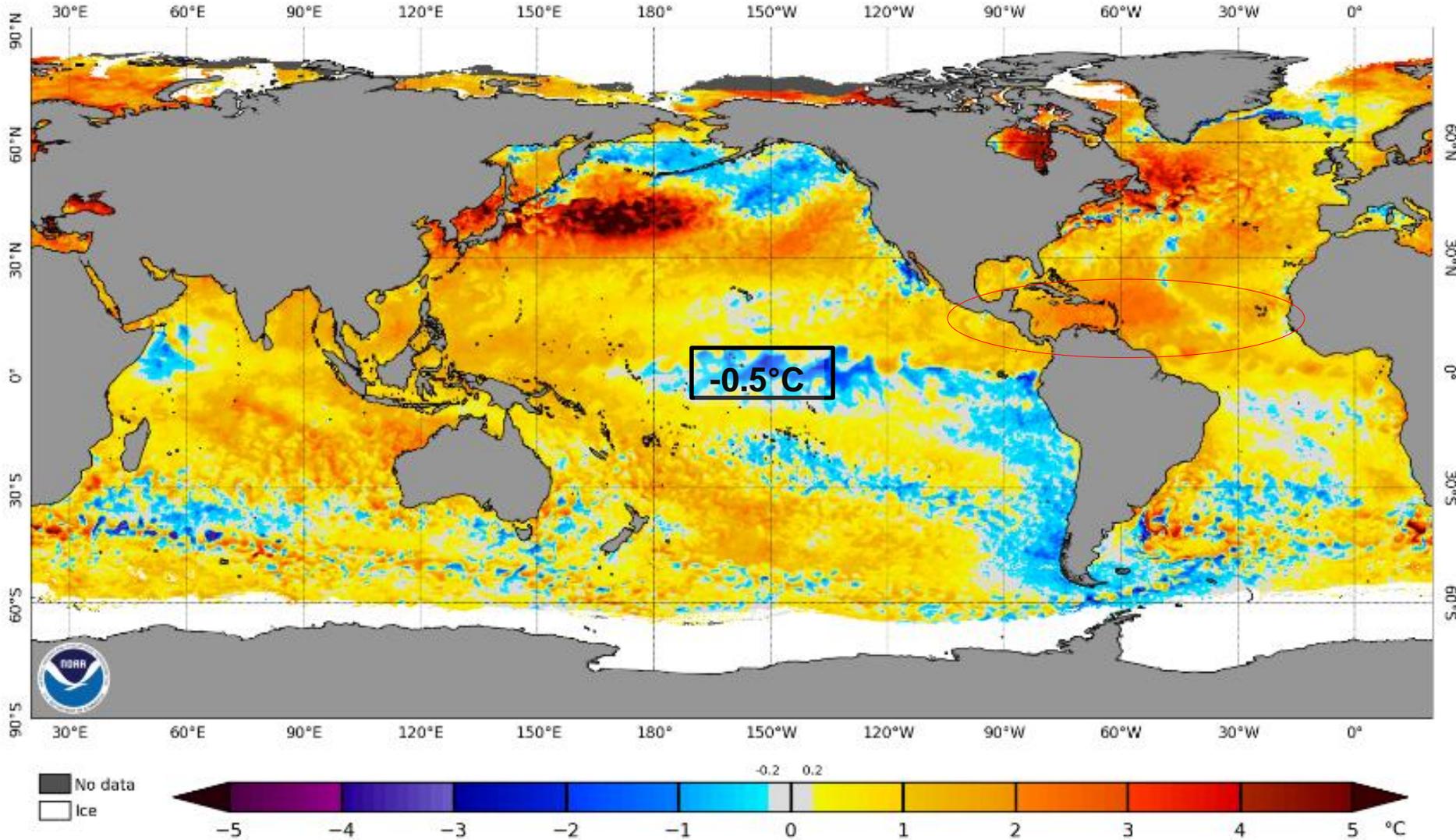


04-11 Out

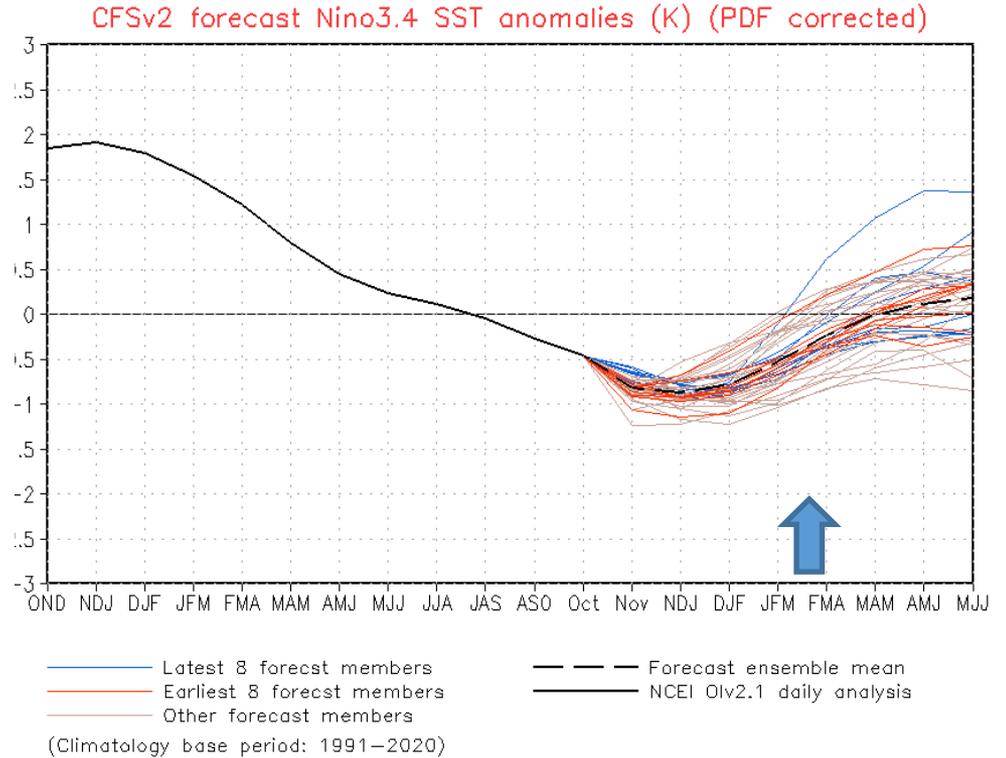
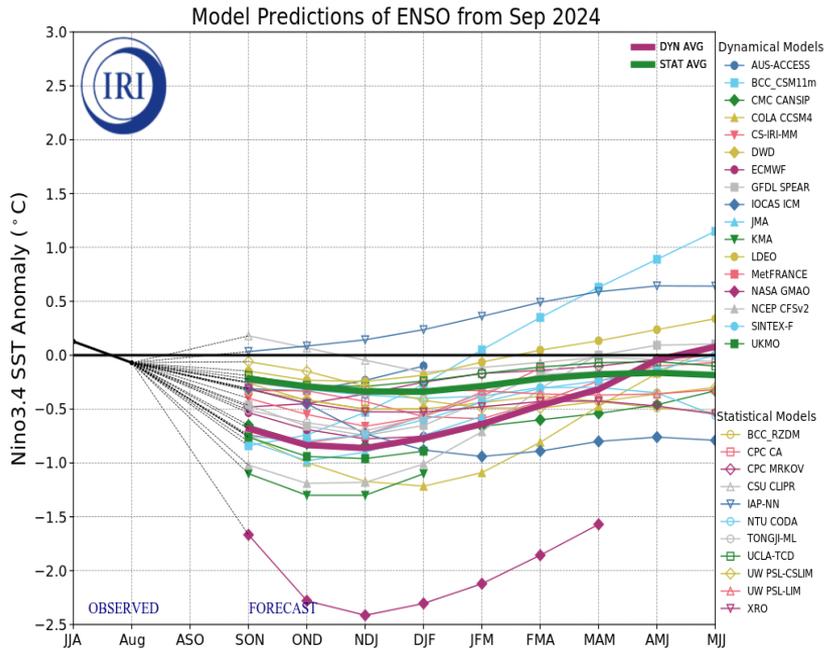


Status Atual: **La Niña Watch**

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 13 Oct 2024



Previsão do “ENSO”

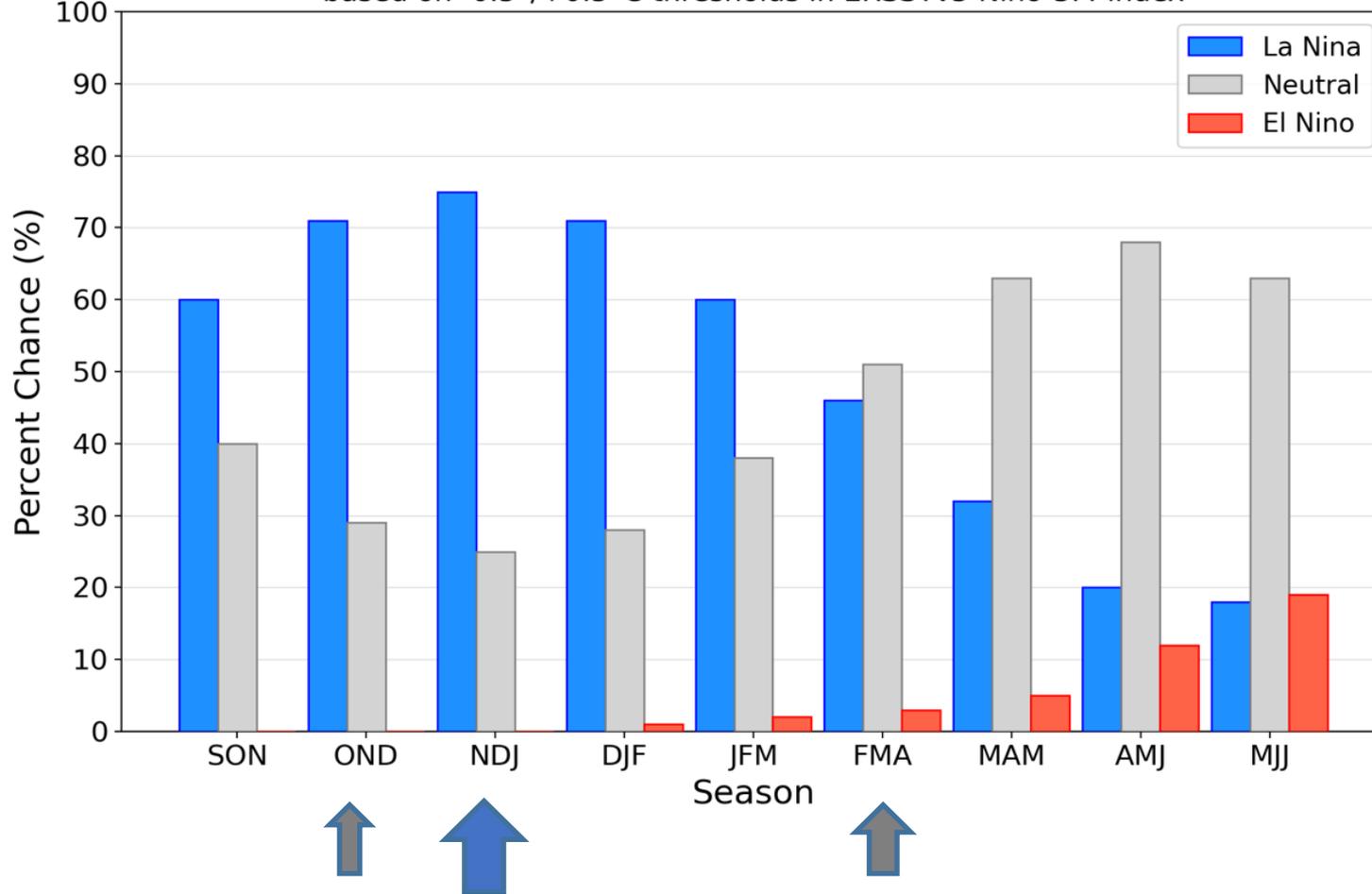


Atualizado 14 de Outubro

Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued October 2024)

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



Previsão Sazonal de Chuva NDJ

