

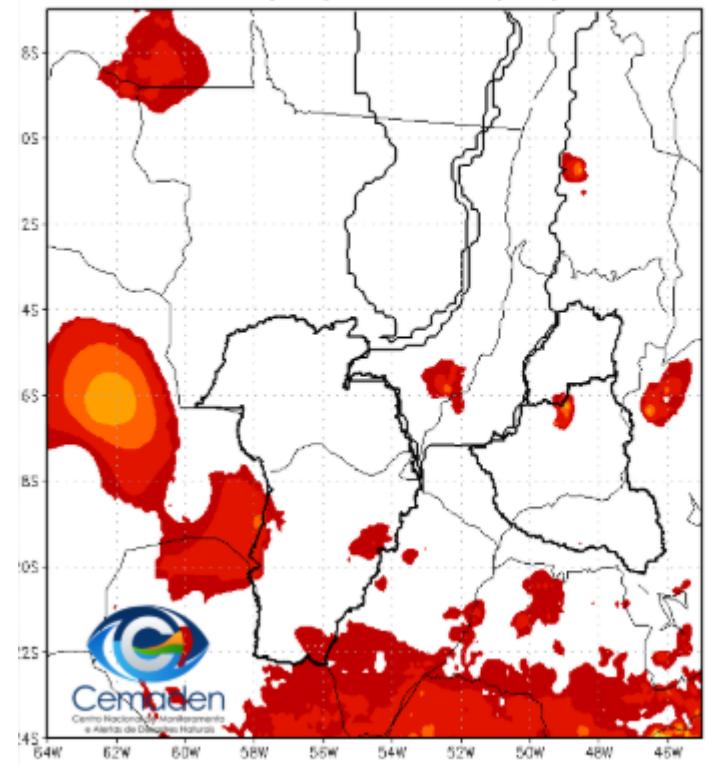


# Monitoramento, previsões e impactos da situação de seca no Alto Paraguai

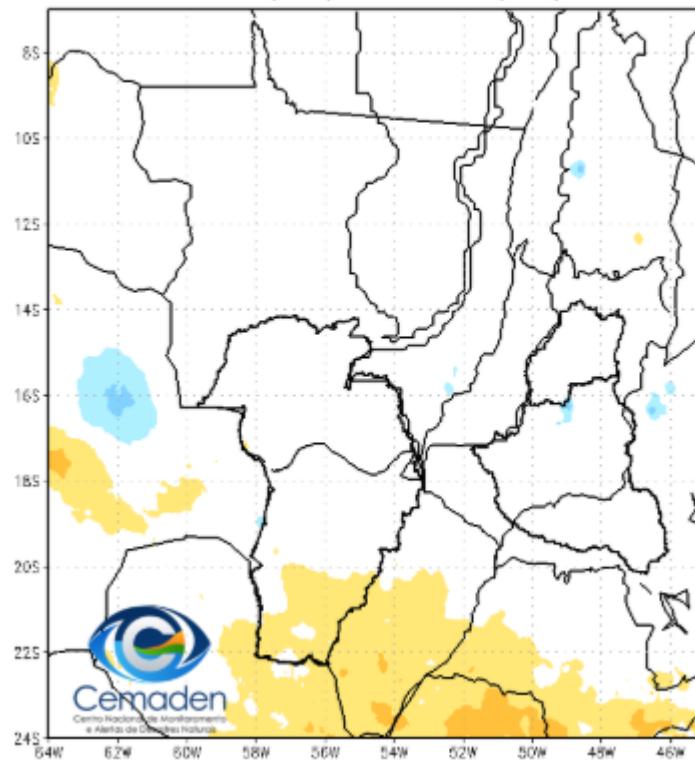
31 de Julho de 2025

## Precipitação nos últimos 30 dias

Precipitação Acumulada (mm) A.S.  
Período: 30/06/2025 a 30/07/2025

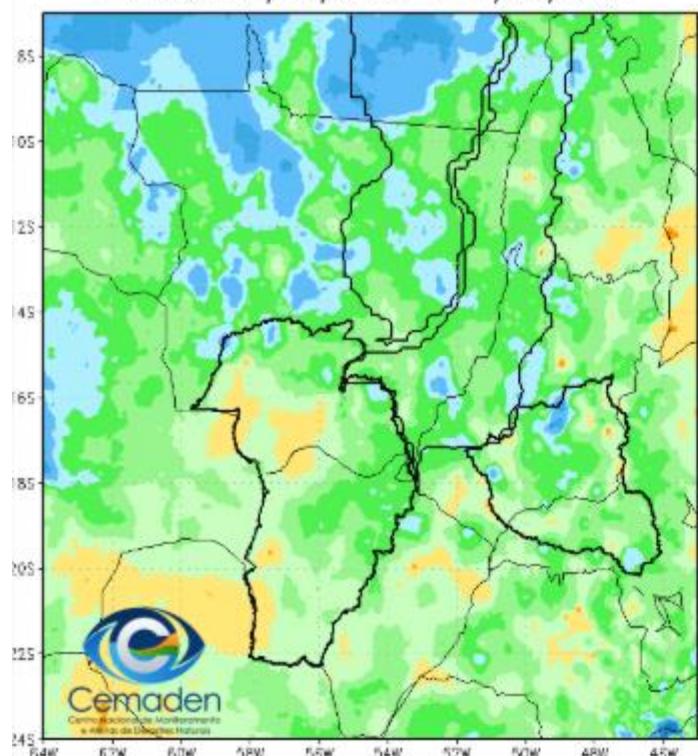


Anomalia de Precipitação (mm) A.S.  
Período: 30/06/2025 a 30/07/2025

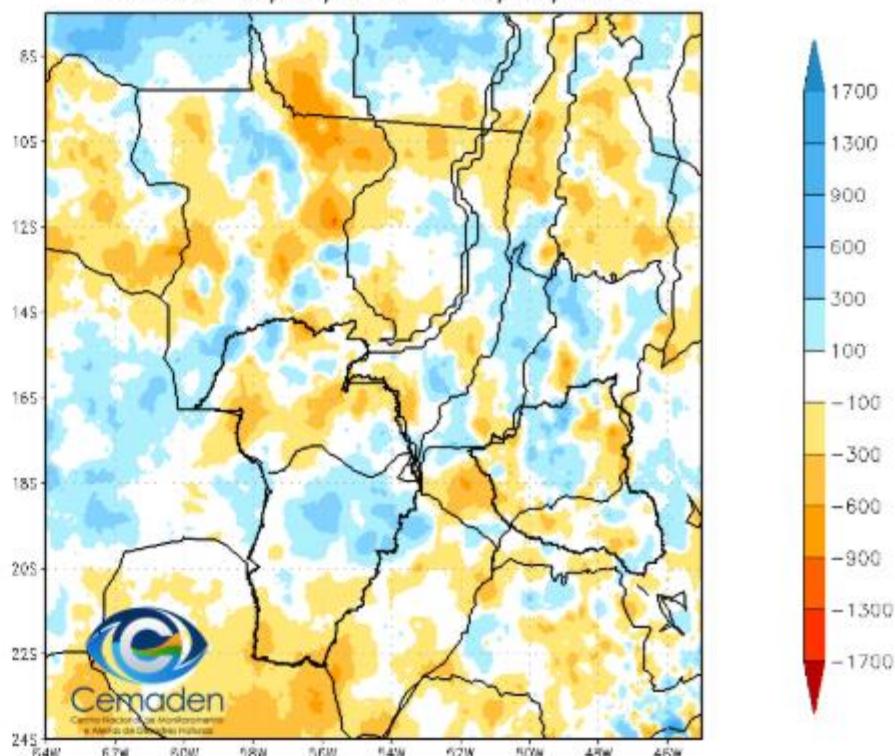


## Precipitação no Ano Hidrológico

Precipitação Acumulada (mm) A.S.  
Período: 01/10/2024 a 30/07/2025

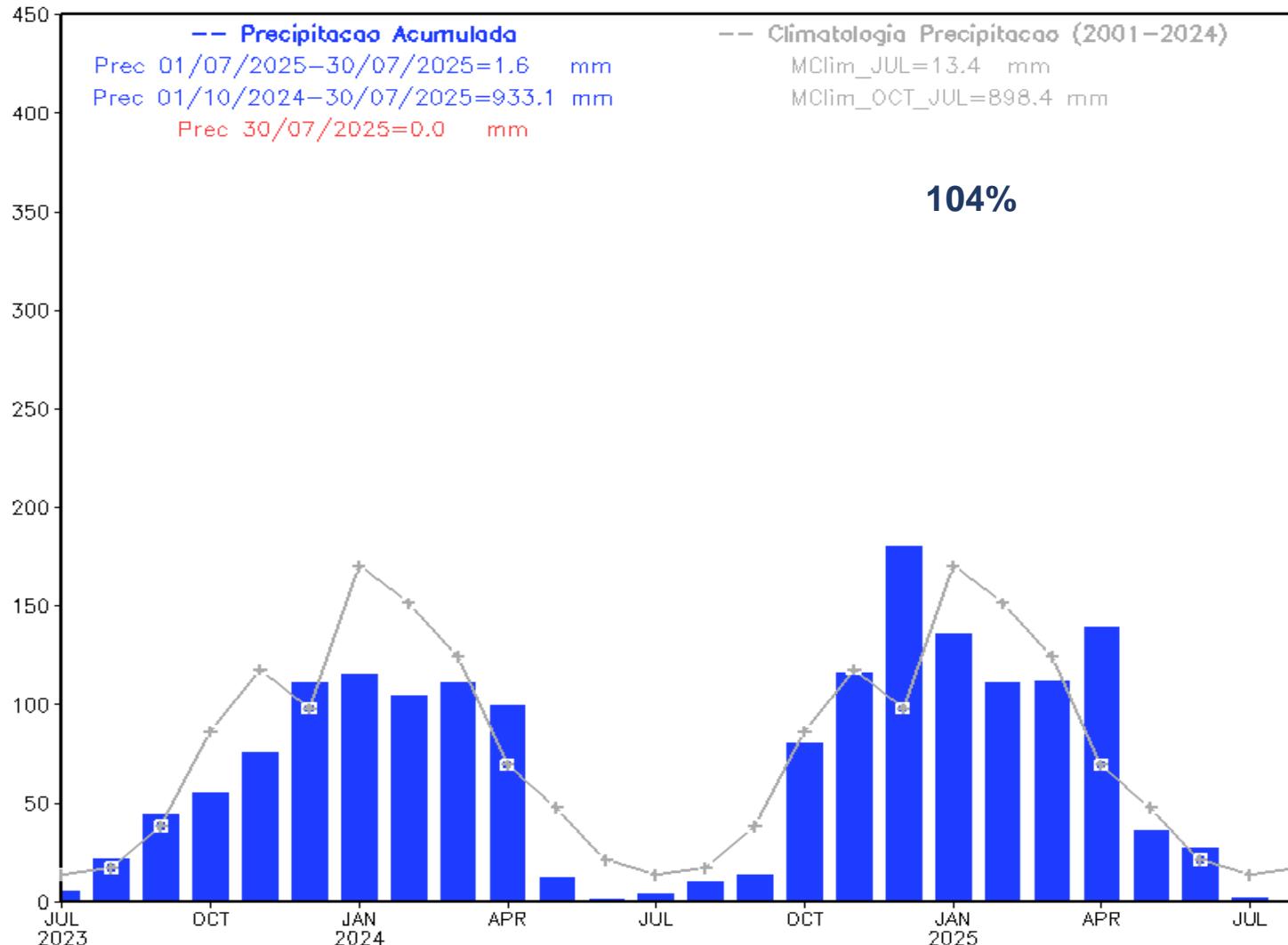


Anomalia de Precipitação (mm) A.S.  
Período: 01/10/2024 a 30/07/2025



## Precipitação nos últimos dois anos

### Precipitação Bacia do Rio Paraguai desde JUL 2023



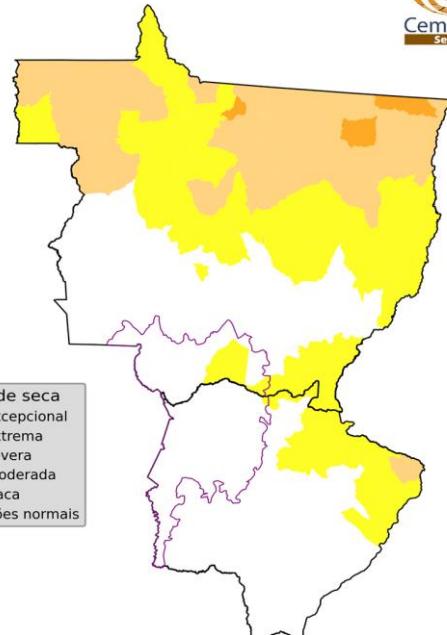
# ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

## IIS-03 OBSERVADO

Índice Integrado de Seca - 3 meses (IIS3)  
 June 2025



- Classes de seca
- Seca excepcional
  - Seca extrema
  - Seca severa
  - Seca moderada
  - Seca fraca
  - Condições normais



Número de municípios por classes de seca:

Seca excepcional:	0 ( 0.0%)
Seca extrema:	0 ( 0.0%)
Seca severa:	0 ( 0.0%)
Seca moderada:	0 ( 0.0%)
Seca fraca:	3 (10.7%)
Condições normais:	25 (89.3%)

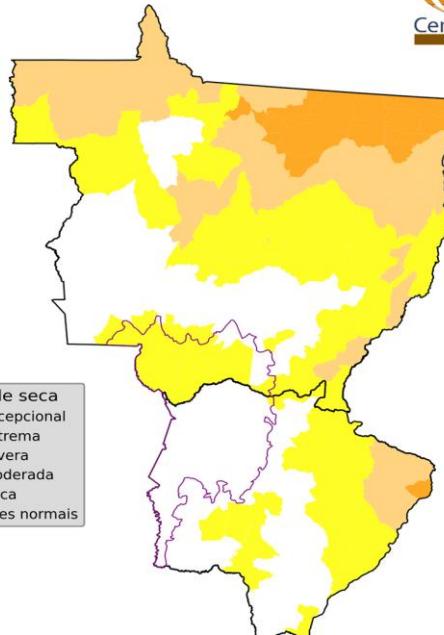
Fonte: Cemaden/MCTI

## IIS-06 OBSERVADO

Índice Integrado de Seca - 6 meses (IIS6)  
 June 2025



- Classes de seca
- Seca excepcional
  - Seca extrema
  - Seca severa
  - Seca moderada
  - Seca fraca
  - Condições normais



Número de municípios por classes de seca:

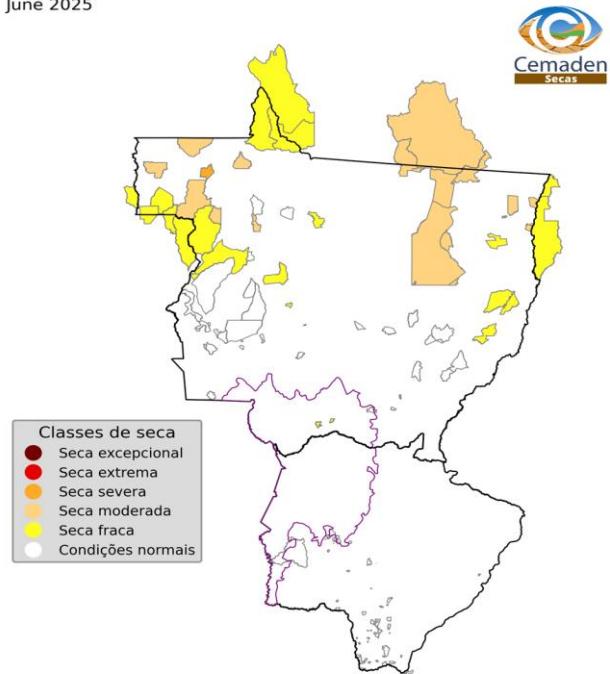
Seca excepcional:	0 ( 0.0%)
Seca extrema:	0 ( 0.0%)
Seca severa:	0 ( 0.0%)
Seca moderada:	0 ( 0.7%)
Seca fraca:	10 (35.7%)
Condições normais:	18 (64.3%)

Fonte: Cemaden/MCTI

# ÍNDICE INTEGRADO DE SECA (IIS-03)

## TERRAS INDÍGENAS

Índice Integrado de Seca - 3 meses (IIS3)  
 June 2025

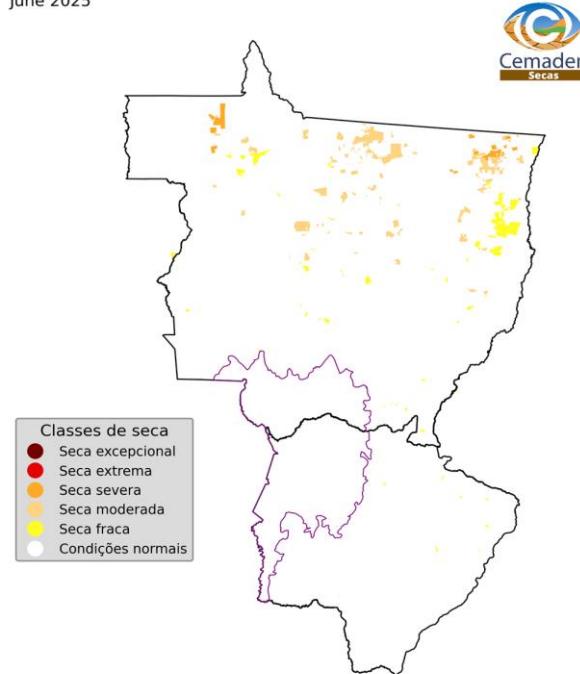


Número de Terras Indígenas por classes de seca:  
 Seca excepcional: 0 ( 0.0%)  
 Seca extrema: 0 ( 0.0%)  
 Seca severa: 0 ( 0.0%)  
 Seca moderada: 0 ( 0.0%)  
 Seca fraca: 2 (25.0%)  
 Condições normais: 6 (75.0%)

Fonte: Cemaden/MCTI

## ASSENTAMENTOS

Índice Integrado de Seca - 3 meses (IIS3)  
 June 2025

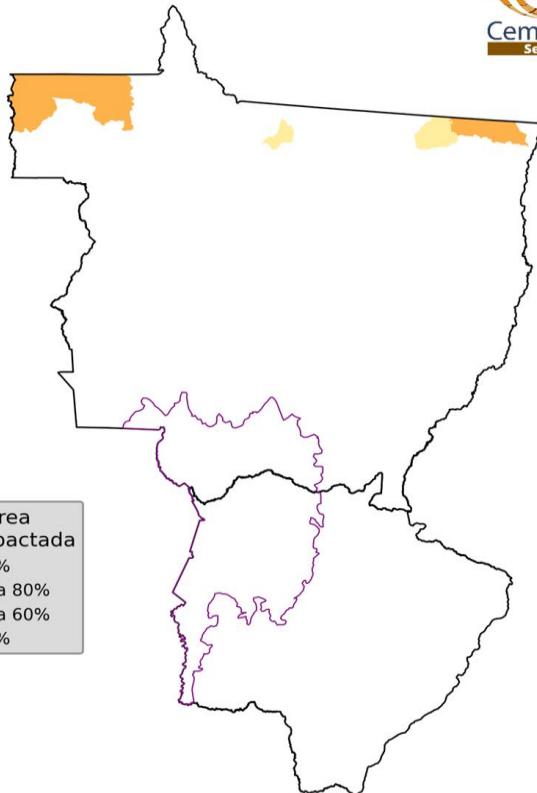


Número de Assentamentos por classes de seca:  
 Seca excepcional: 0 ( 0.0%)  
 Seca extrema: 0 ( 0.0%)  
 Seca severa: 0 ( 0.0%)  
 Seca moderada: 0 ( 0.0%)  
 Seca fraca: 1 ( 2.9%)  
 Condições normais: 34 (97.1%)

Fonte: Cemaden/MCTI

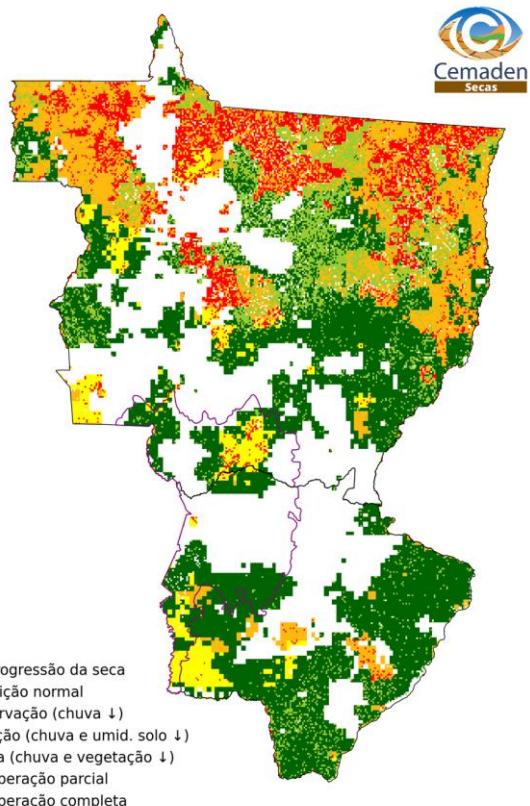
## ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

Área agro-pastoril municipal afetada pela seca  
June 2025

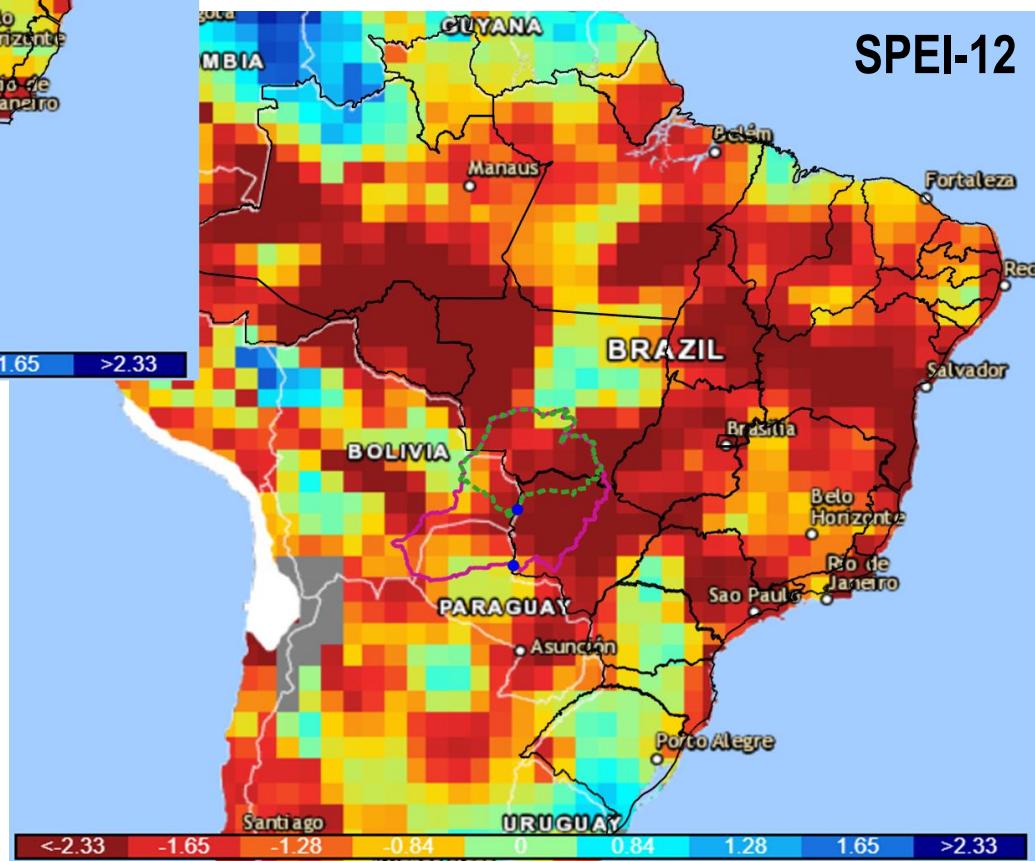
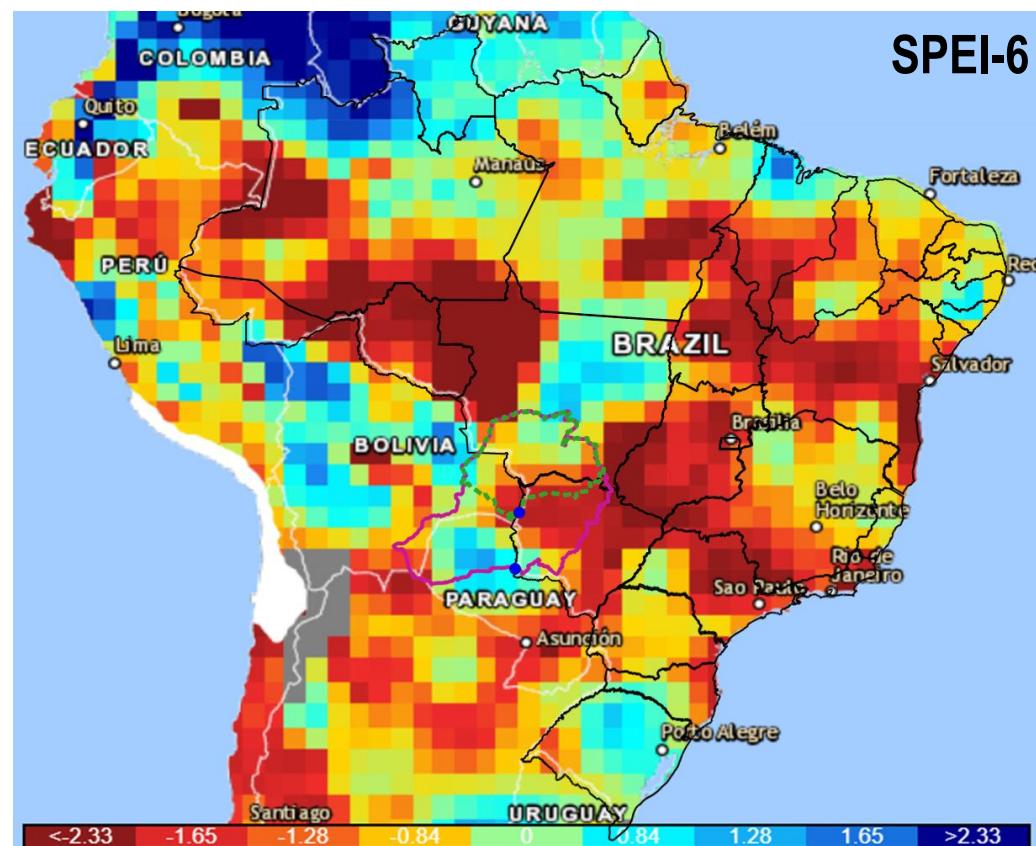


# PROPAGAÇÃO INCREMENTAL DAS CONDIÇÕES DE SECA (PICS)

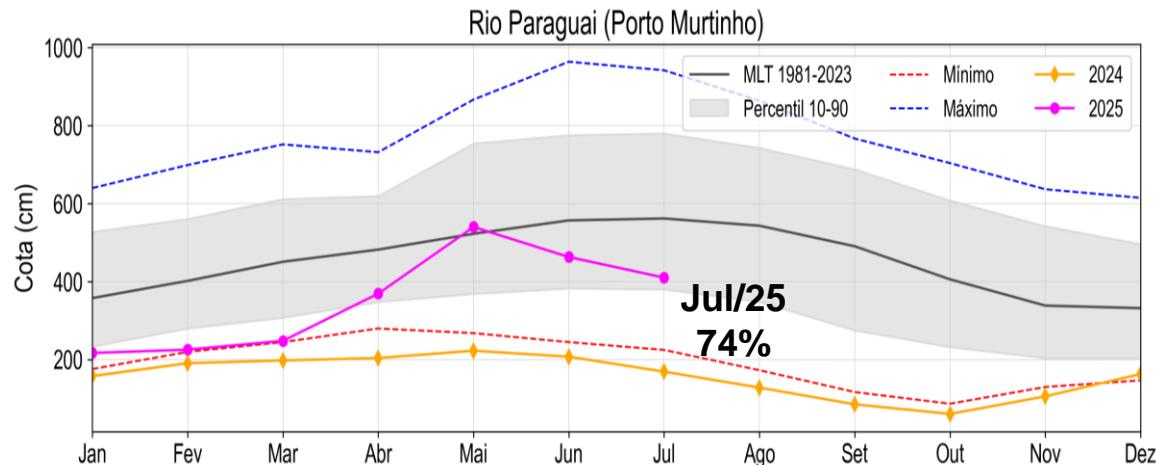
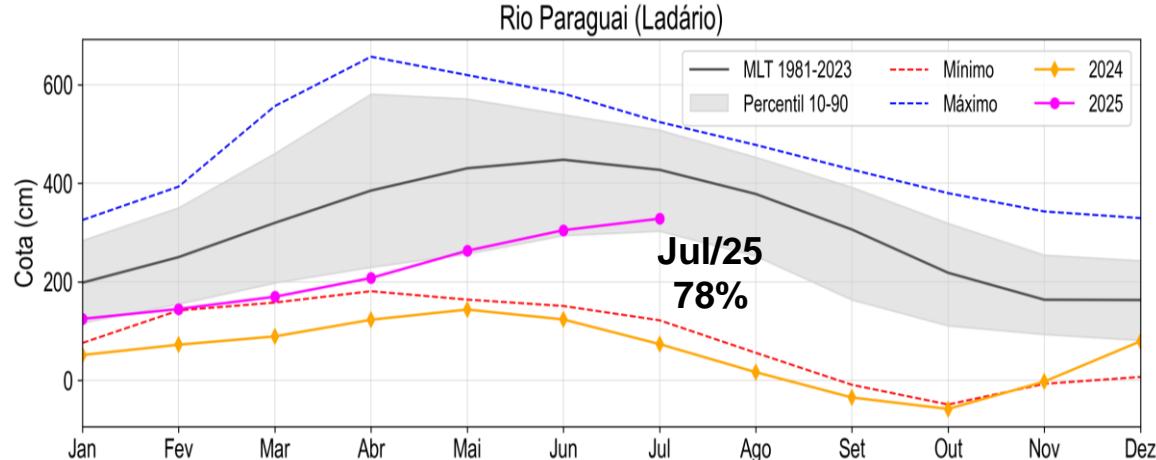
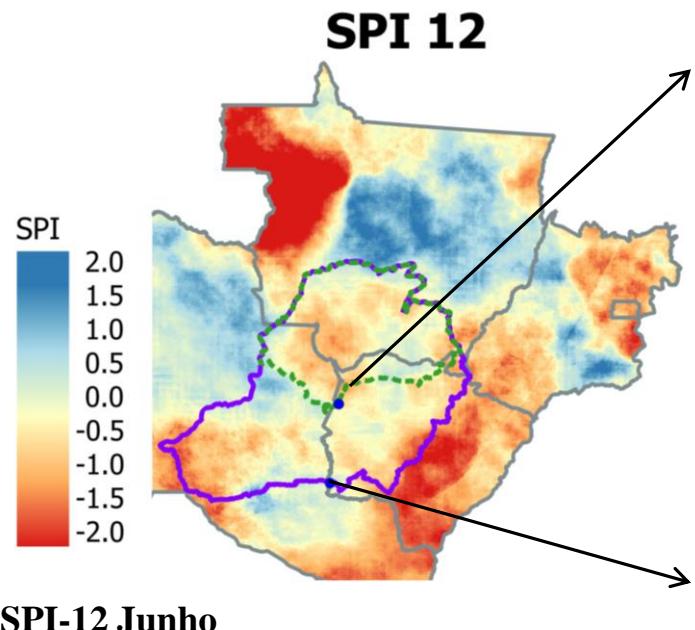
June 2025



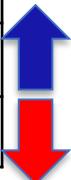
# Índice Padronizado de Precipitação – Evapotranspiração Potencial – SPEI



# Evolução dos Níveis do Rio Paraguai



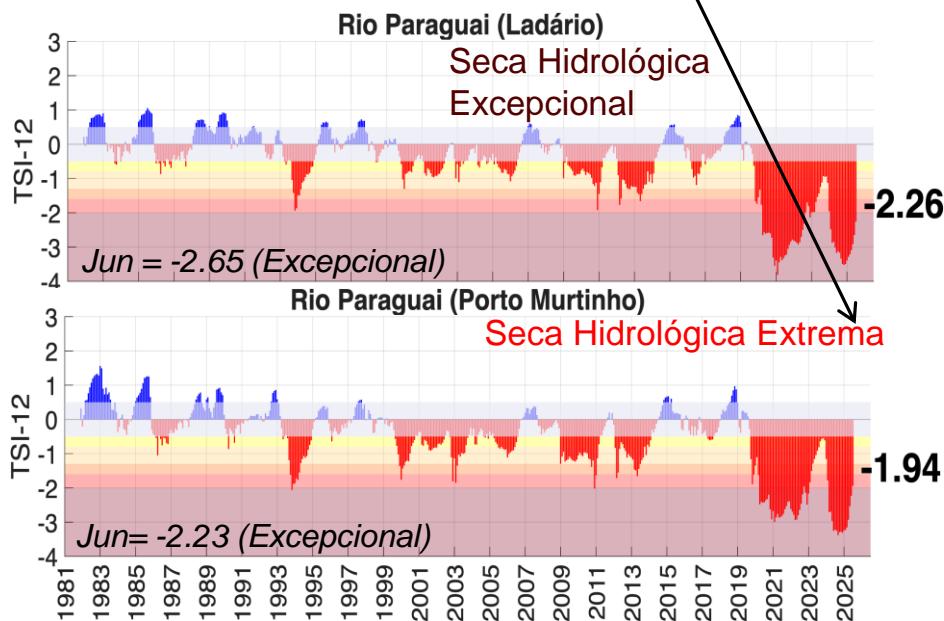
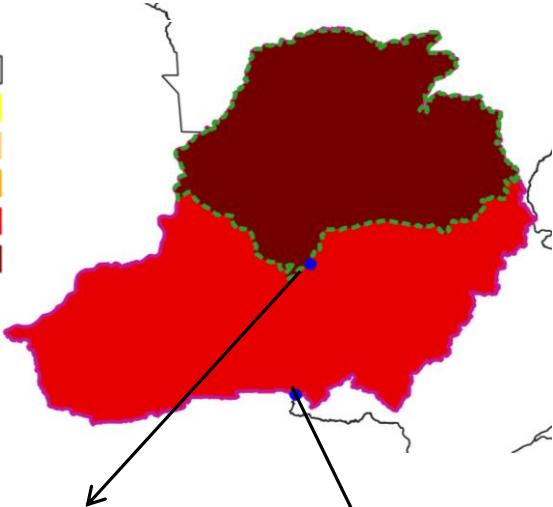
Estação	Cota 30/Junho	Cota 30/Julho
Ladário	321 cm	329 cm
P. Murtinho	431 cm	392 cm



Fonte dos dados: CHIRPS (Precipitação) e Marinha do Brasil e ANA (Cotas)/ Estimativa SPI e gráficos: CEMADEN

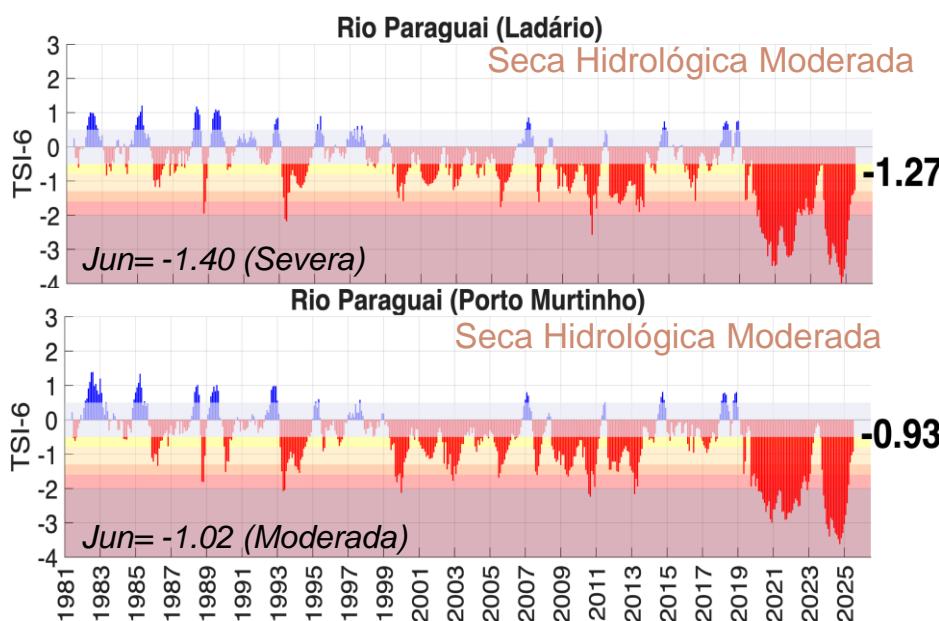
# Índice Bivariado de Seca (Precipitação-Cota) - TSI

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

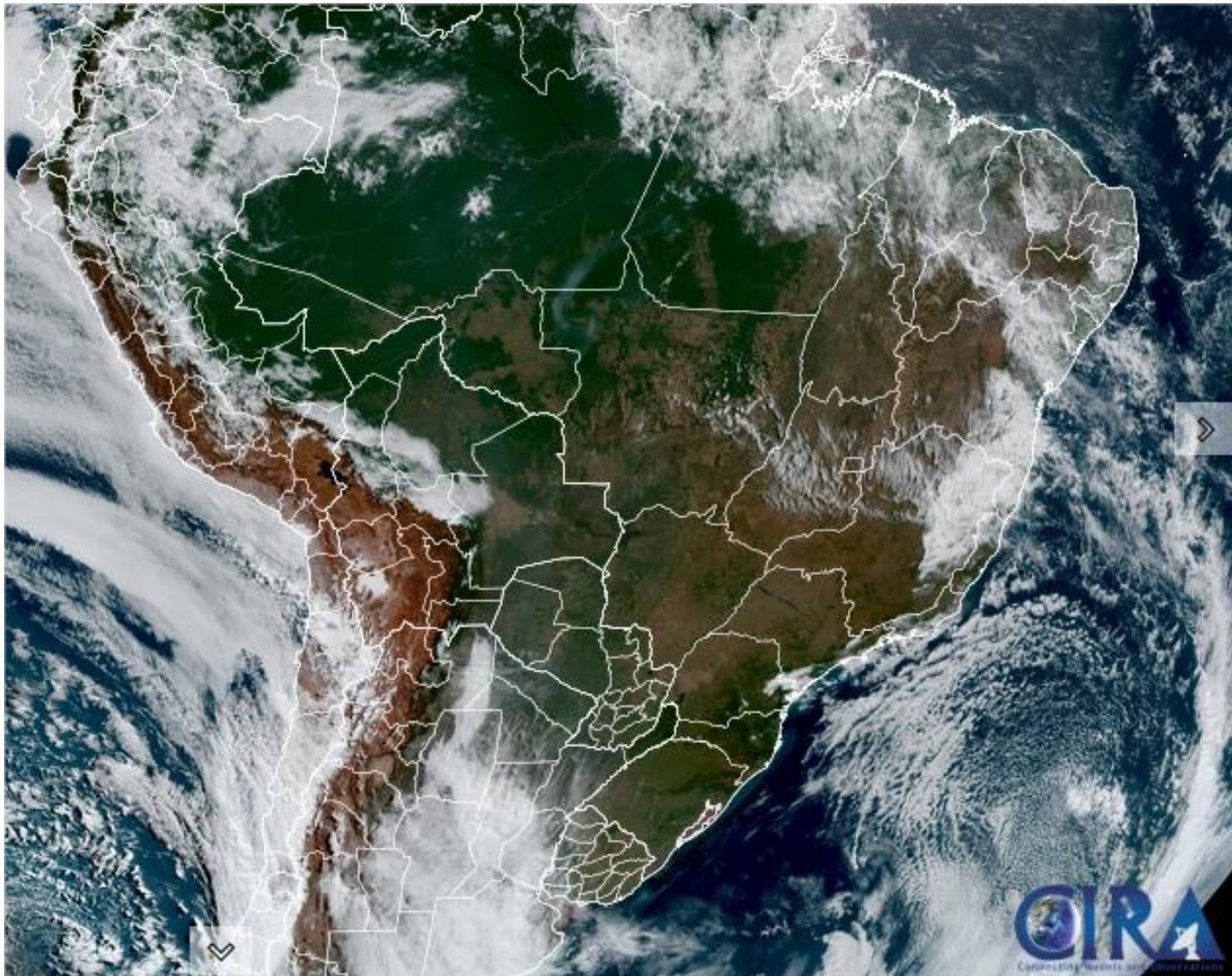


Em uma escala de curto prazo, as chuvas já contribuíram para mitigar a seca hidrológica na bacia, indicando sinais de recuperação parcial dos recursos hídricos!

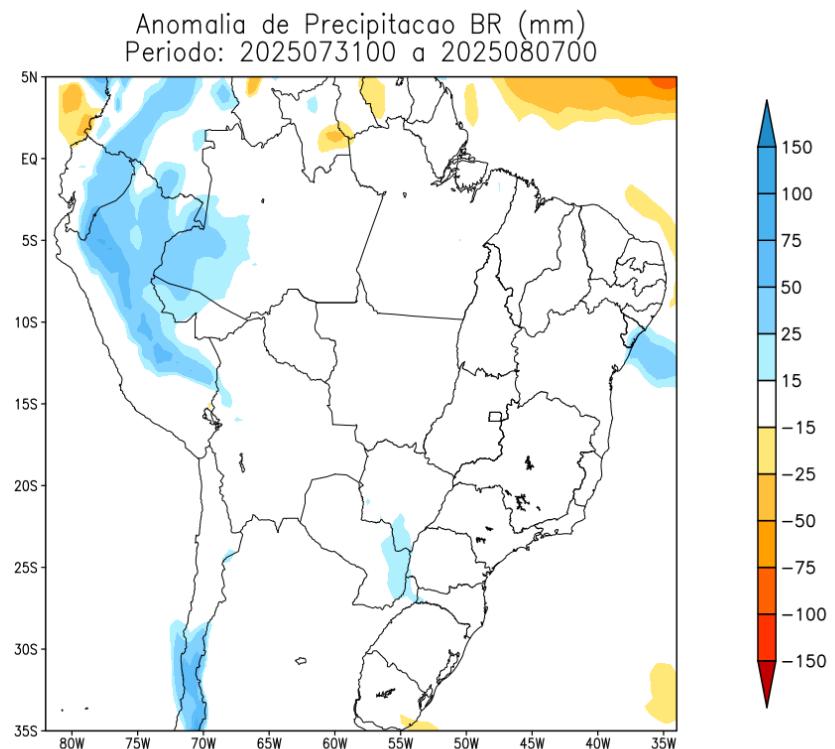
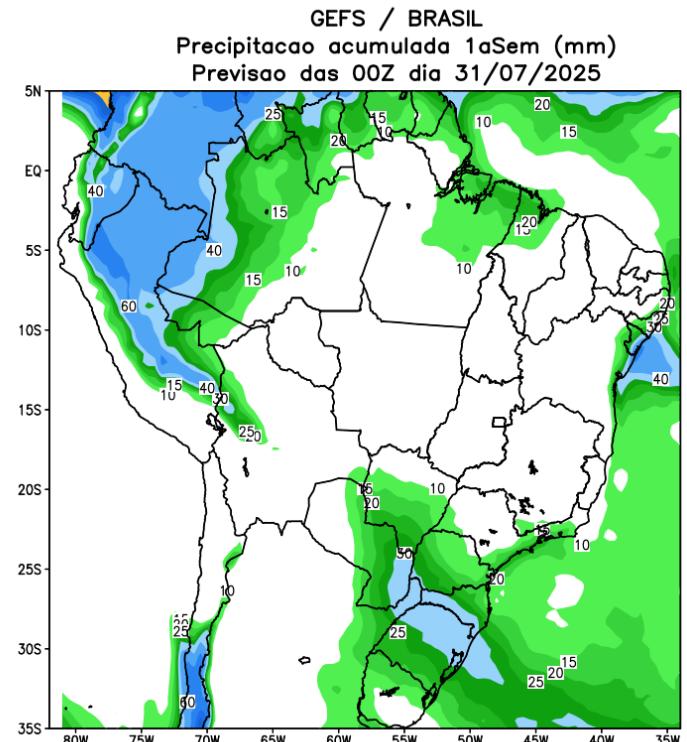
TSI-6 Julho



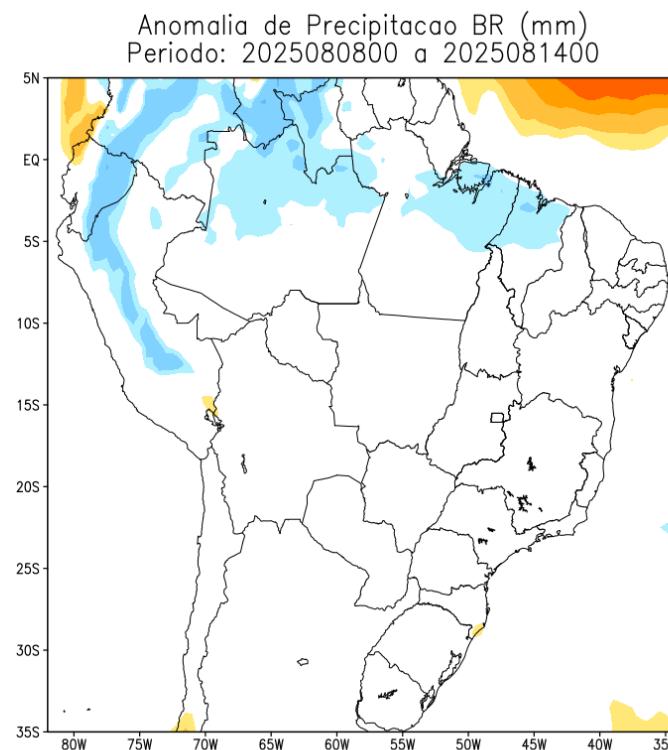
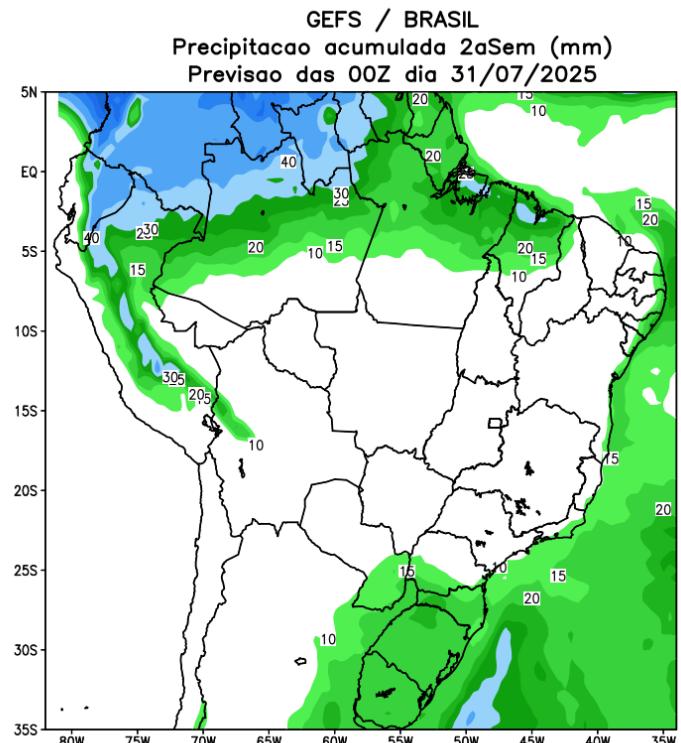
## Situação meteorológica atual



## Previsão para as próxima semana

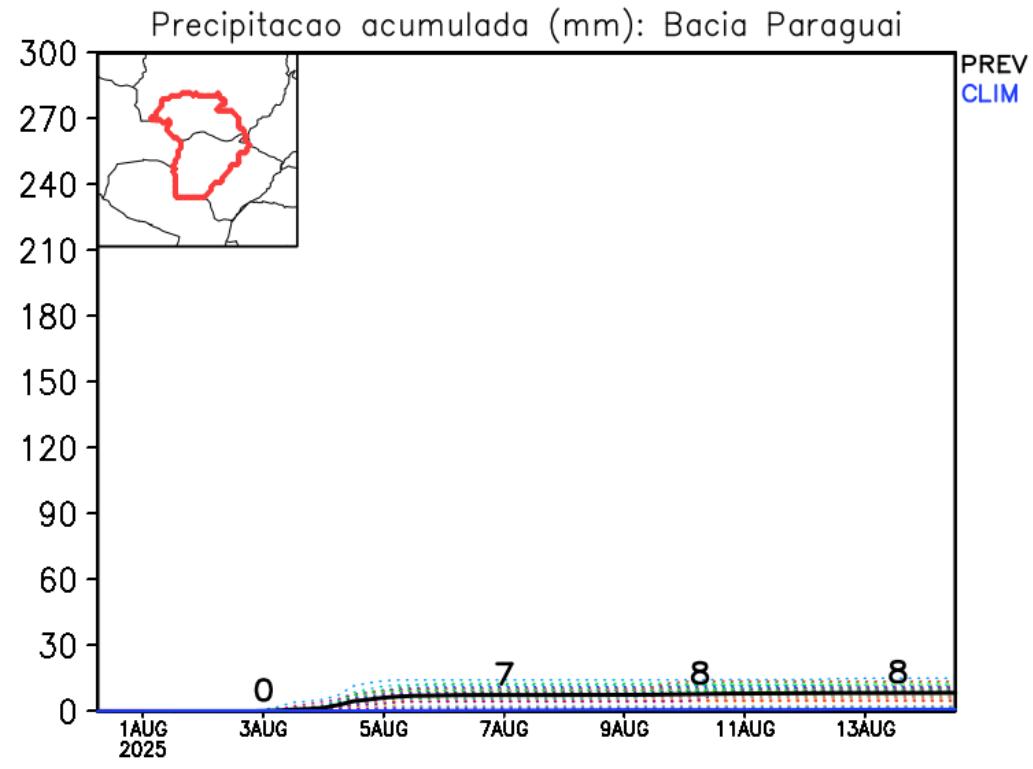
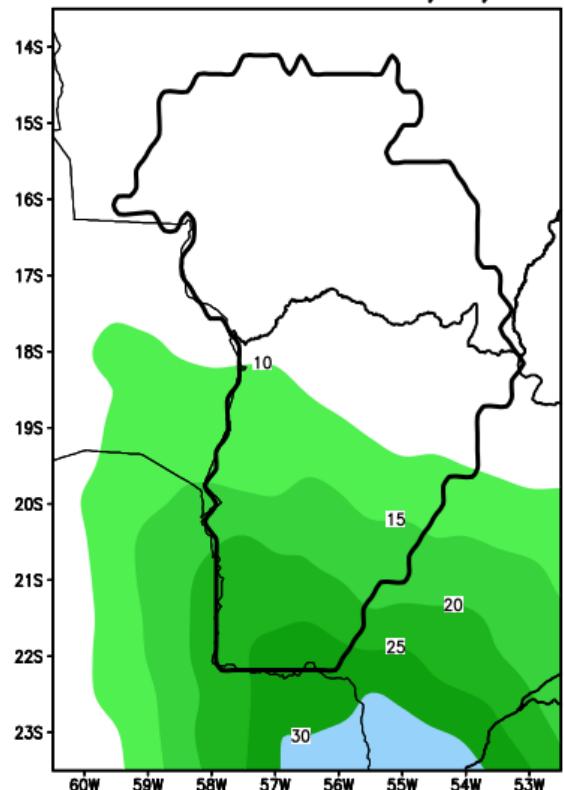


## Tendência para a segunda semana



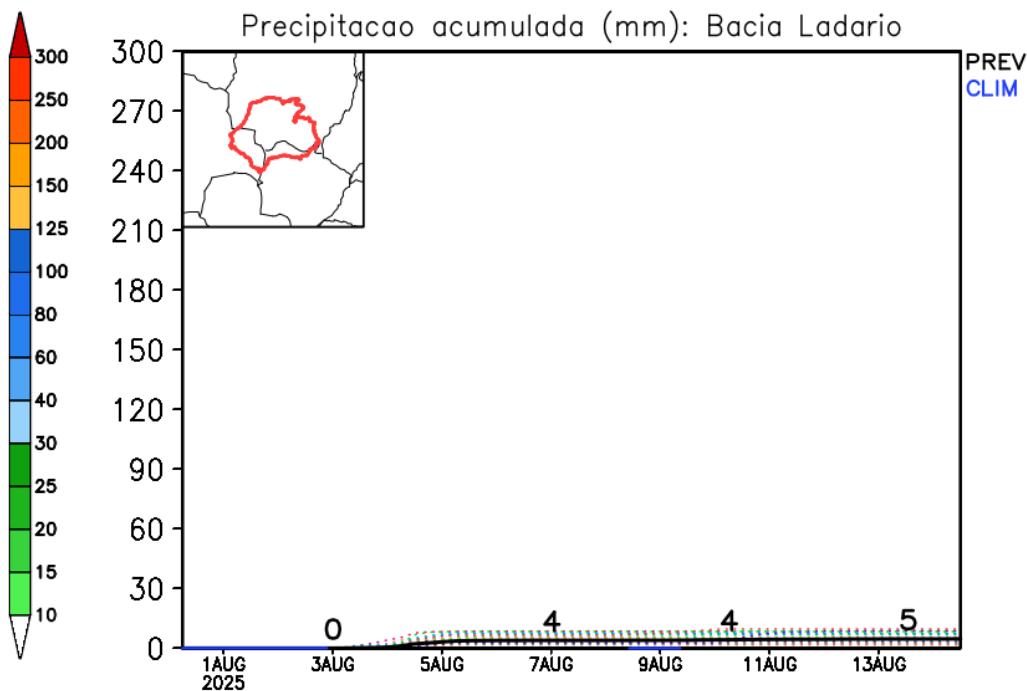
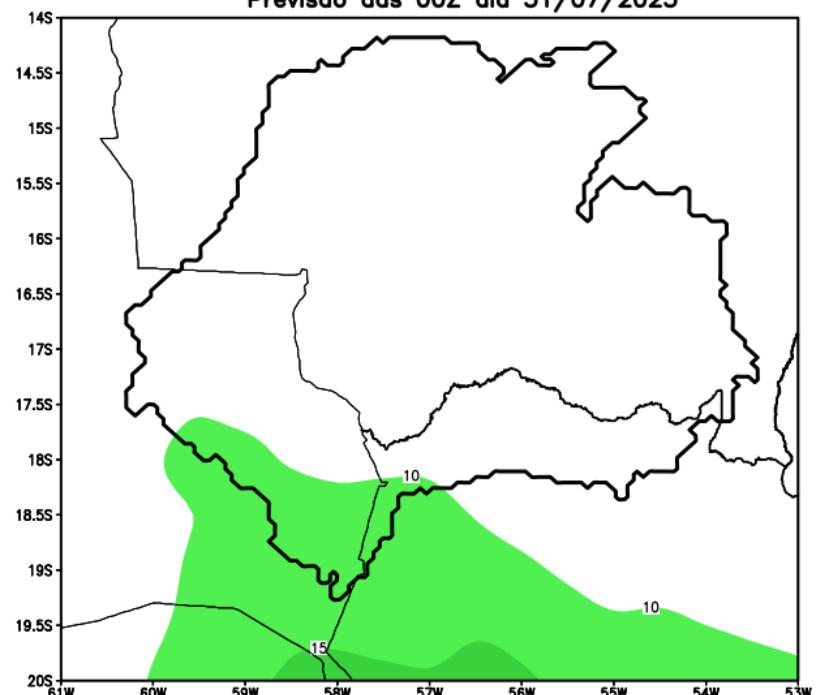
## Previsão de chuva Bacia do Alto Paraguai

GEFS / Bacia do Rio Paraguai  
Precipitação acumulada em 15 dias (mm)  
Previsão das 00Z dia 31/07/2025



## Previsão de chuva sub Bacia de Ladário

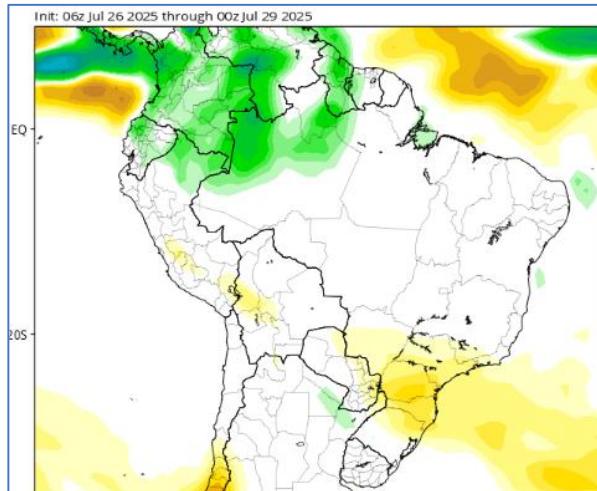
GEFS / Bacia Ladario  
Precipitacao acumulada em 14 dias (mm)  
Previsao das 00Z dia 31/07/2025



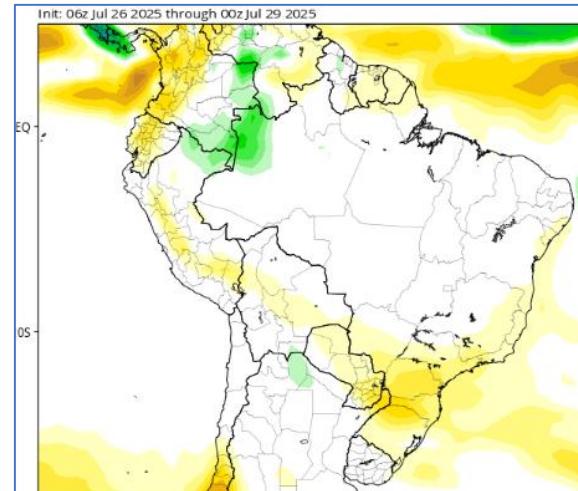
# Tendência 3a e 4a semanas

CFS/NOAA

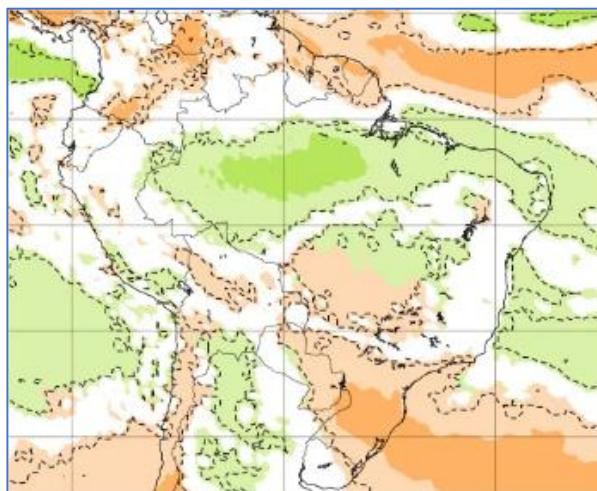
12-19 Ago



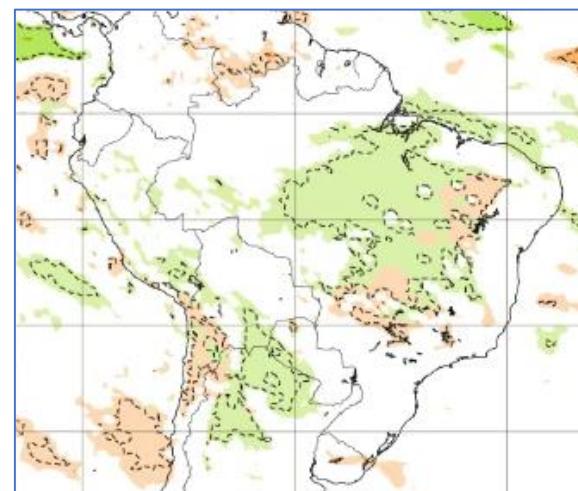
19-26 Ago



ECMWF



11-18 Ago



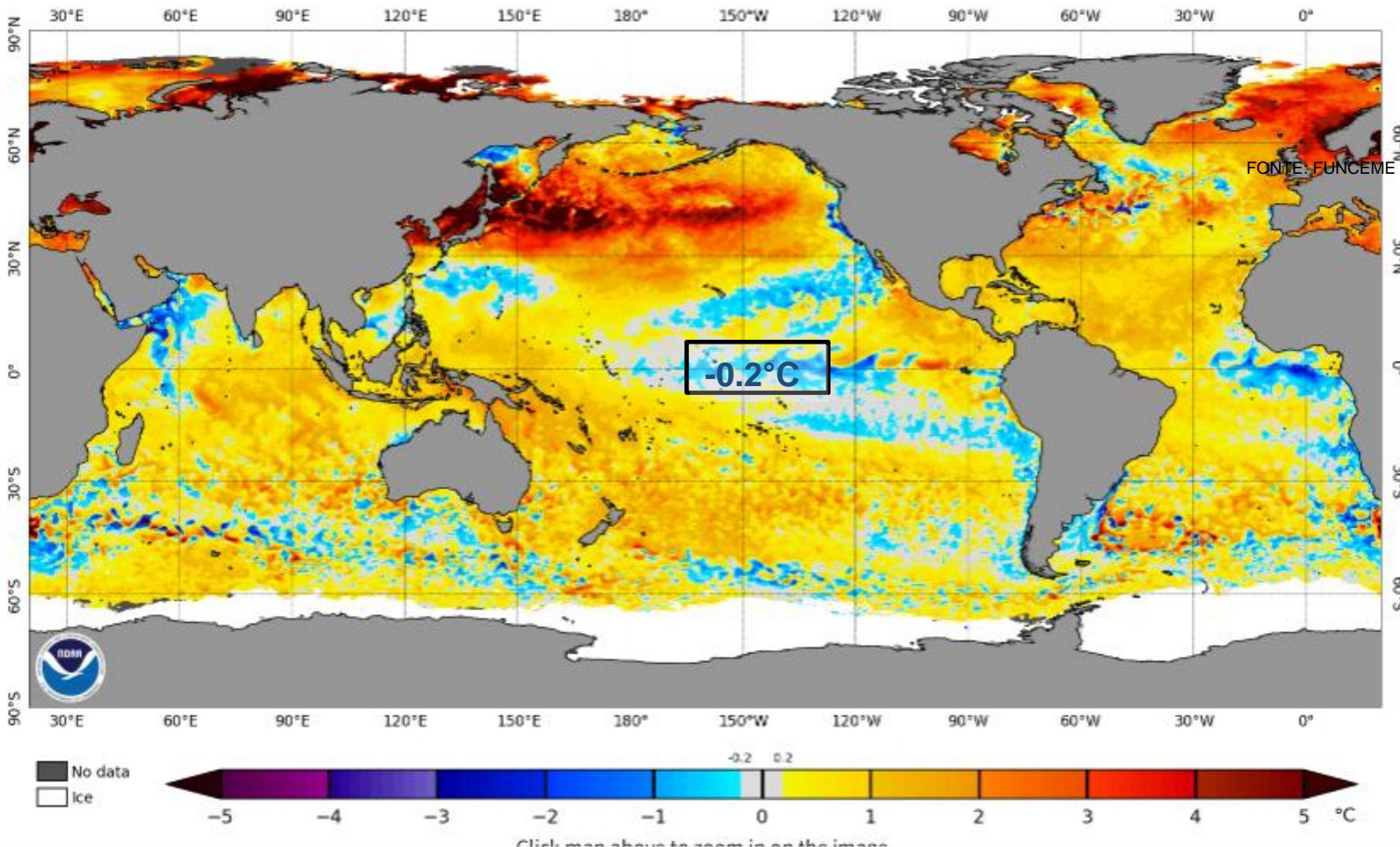
18-25 Ago

Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)

The color scale ranges from -90 to +90 mm, with a break at 0. The legend includes values <-90, -90, -80, -70, -60, -50, -40, -30, -20, -10, 0, 10, 30, 60, 90, >90.

# Status Atual: Neutralidade

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 27 Jul 2025

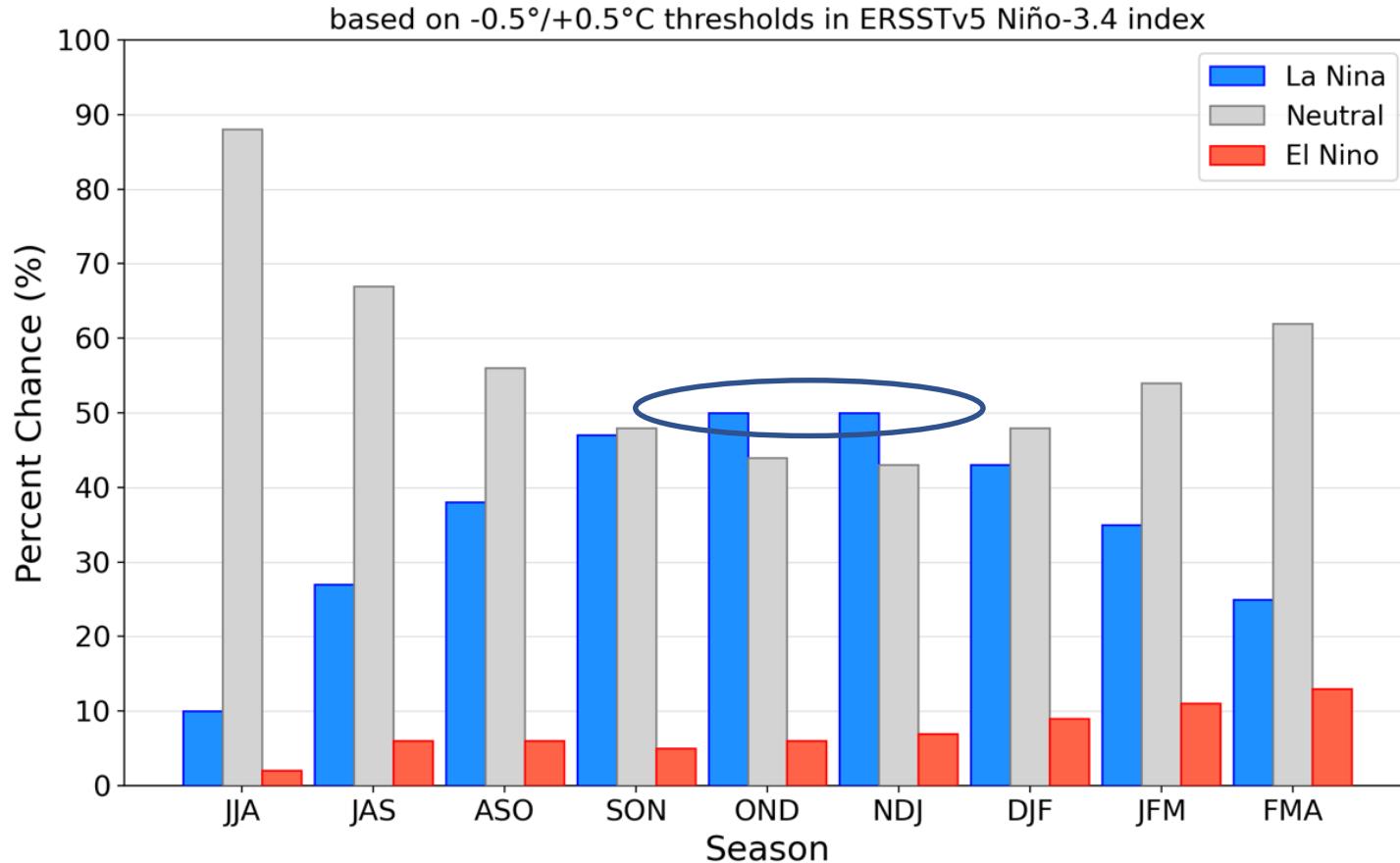


FONTE: NOAA

FONTE: FUNCME

# Previsão do “ENSO”

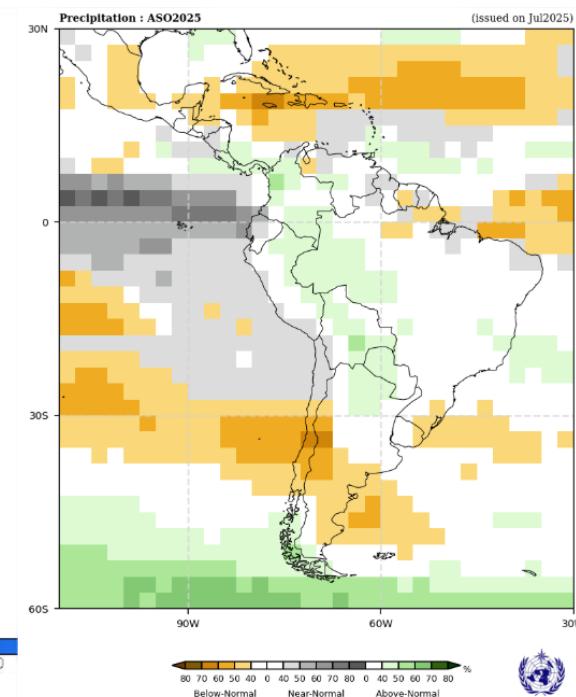
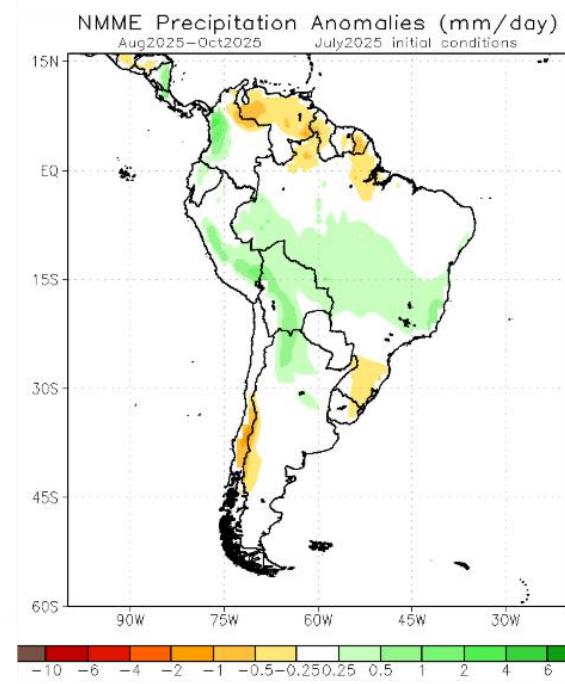
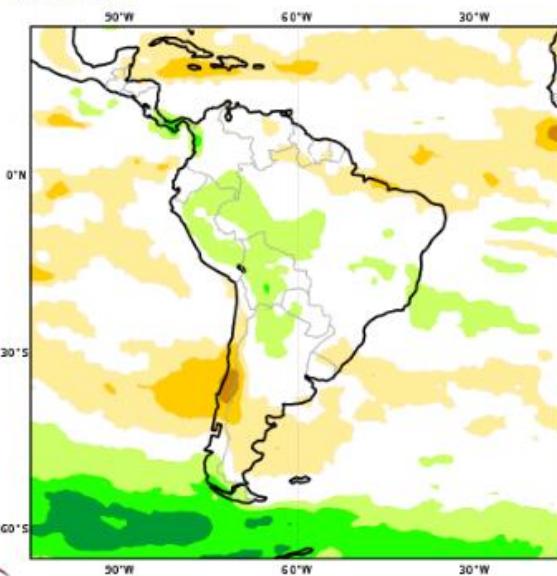
## Official NOAA CPC ENSO Probabilities (issued July 2025)



# Previsão Sazonal de Chuva Multi-Modelo

Agosto-Setembro-Outubro

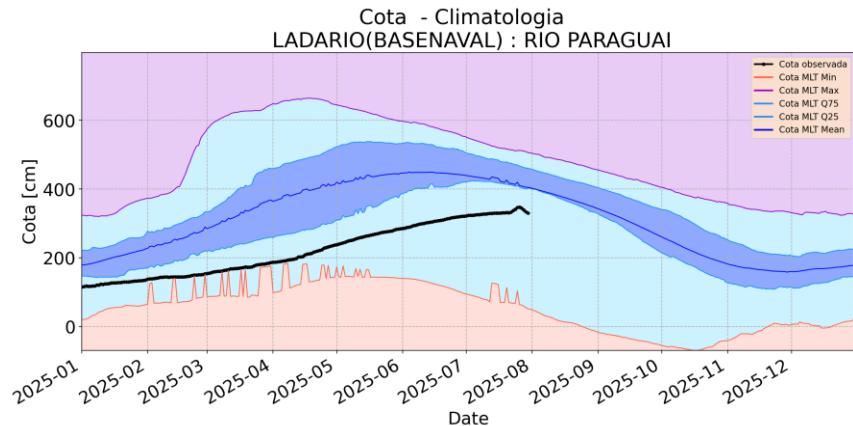
C3S multi-system seasonal forecast  
Prob(most likely category of precipitation)  
Nominal forecast start: 01/07/25  
Unweighted mean



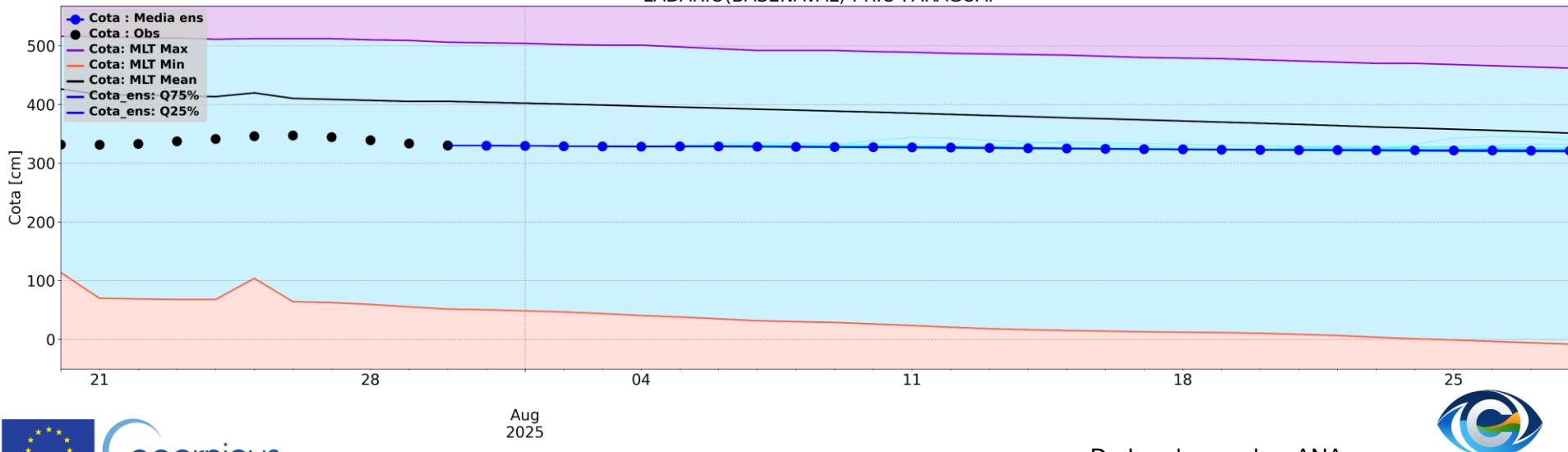
Modelos “Europeus”

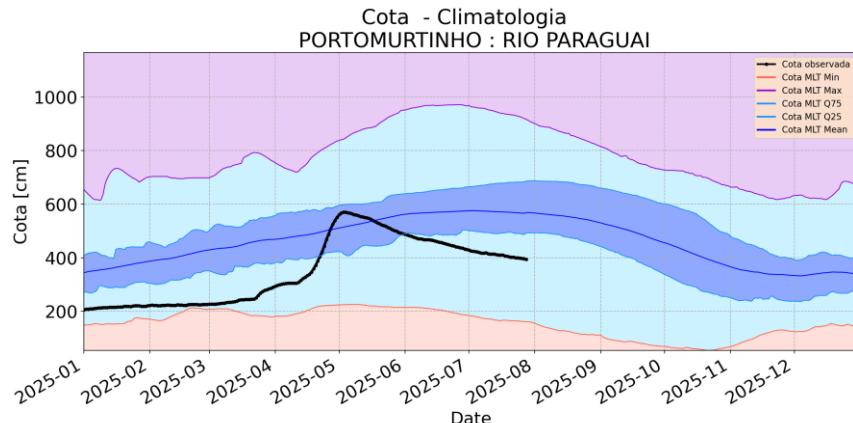
Modelos Norte Americanos

Modelos da WMO

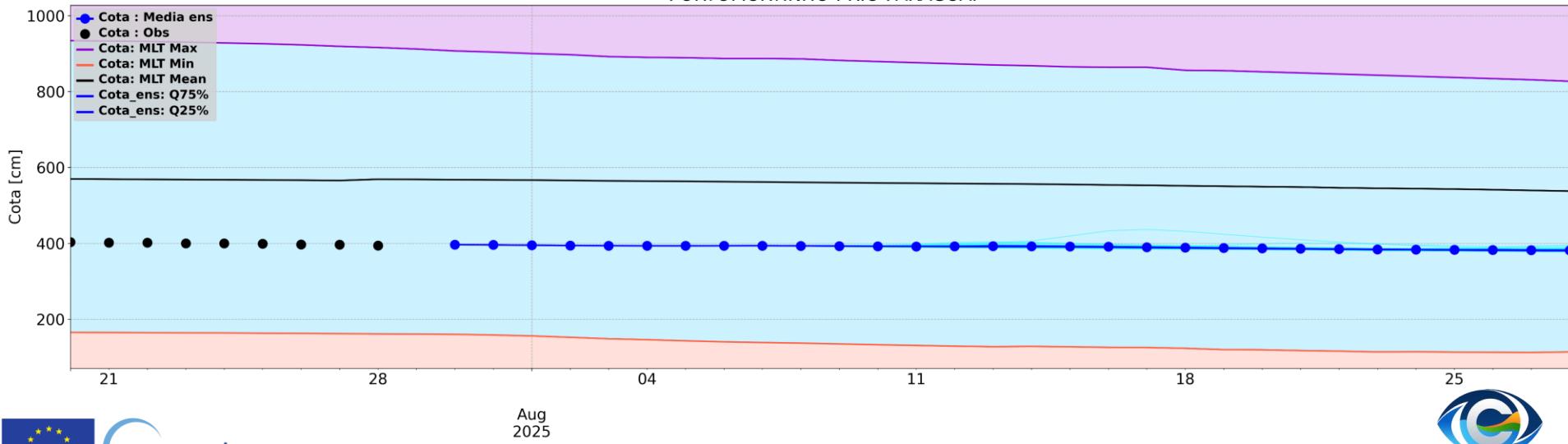


Model Run - 2025-07-30  
LADARIO(BASENAVAL) : RIO PARAGUAI



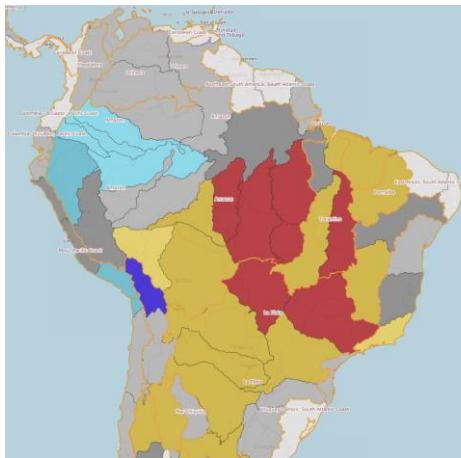


Model Run - 2025-07-30  
PORTOMURTINHO : RIO PARAGUAI

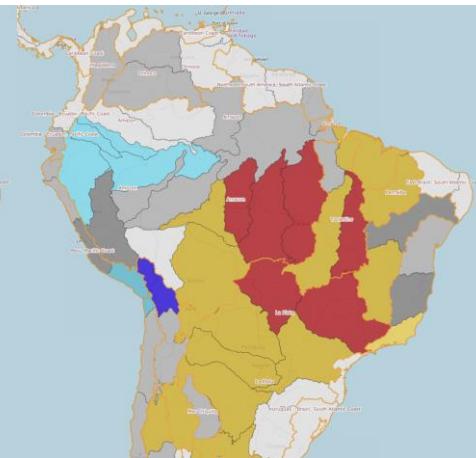


## Previsão Sazonal

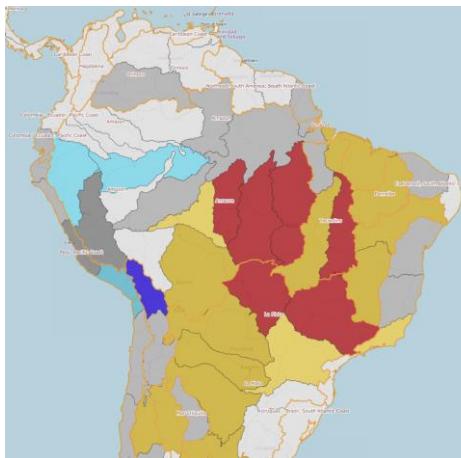
Agosto



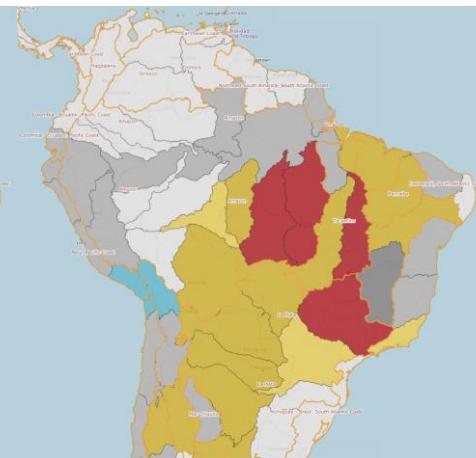
Setembro



Outubro



Novembro



Anomaly category (rank-mean)	Uncertainty category (rank-std)		
	Low (0-10)	Medium (10-20)	High (20<)
Extreme Low (1-10)	Dark Red	Red	Light Red
Low (10-25)	Yellow	Light Yellow	Very Light Yellow
Near Normal (25-75)	Grey	Medium Grey	Light Grey
Bit High (60-75)	Light Blue	Medium Blue	Dark Blue
High (75-90)	Dark Blue	Medium Blue	Light Blue
Extreme High (90-100)	Very Dark Blue	Dark Blue	Medium Blue

# Previsão Sazonal

Agosto

Setembro

Outubro

Novembro

Anomaly category  
(rank-mean)

Extreme Low (1-10)

Low (10-25)

Near Normal (25-75)  
Bit low (25-40)  
Normal (40-60)  
Bit high (60-75)

High (75-90)

Extreme high (90-100)

Uncertainty category (rank-std)  
Low (0-10) Medium (10-20) High (20-)

