

# Monitoramento da situação da seca na Região Sul

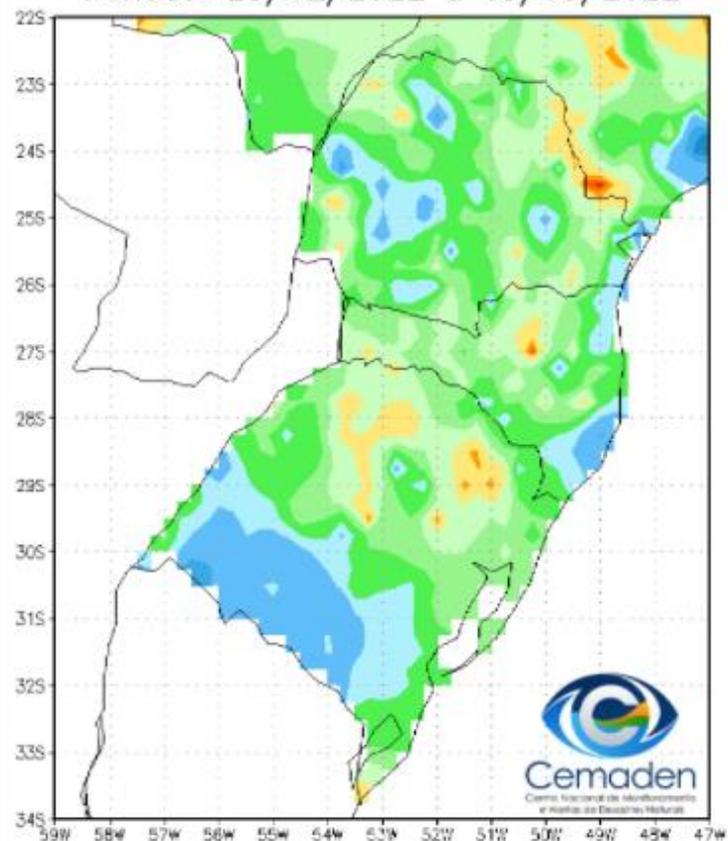


**Cemaden**  
Centro Nacional de Monitoramento  
e Alertas de Desastres Naturais

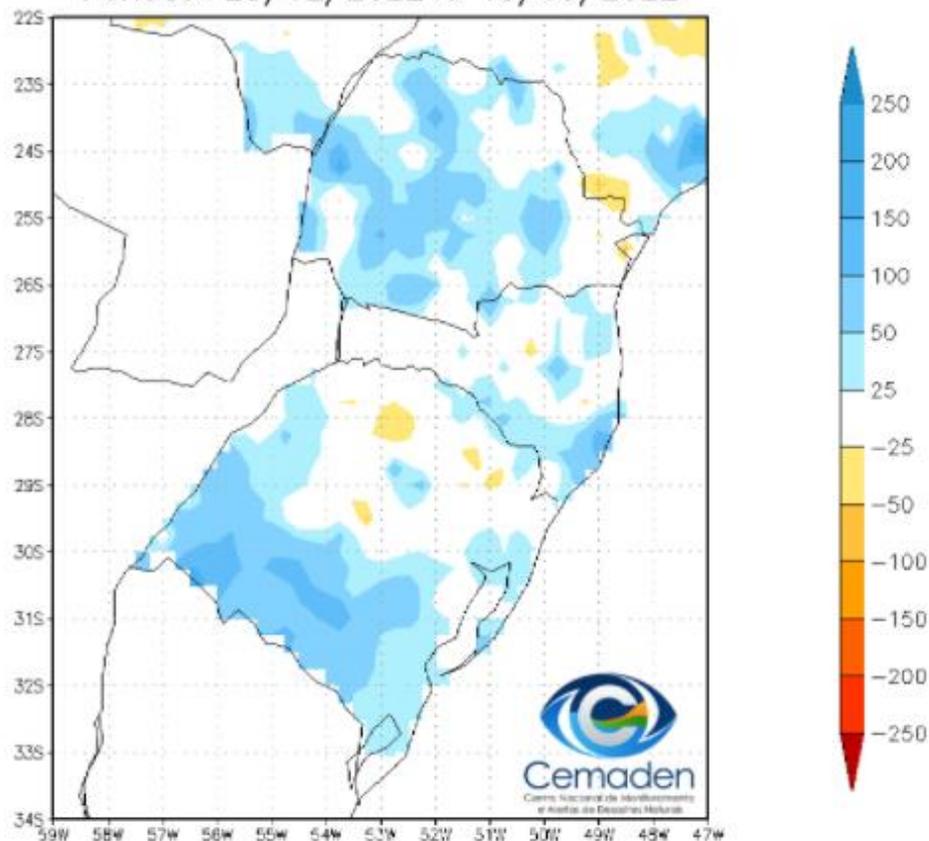
16 de Março de 2022

## Precipitação nos últimos 15 dias

Precipitação Acumulada (mm)  
Período: 28/02/2022 a 15/03/2022

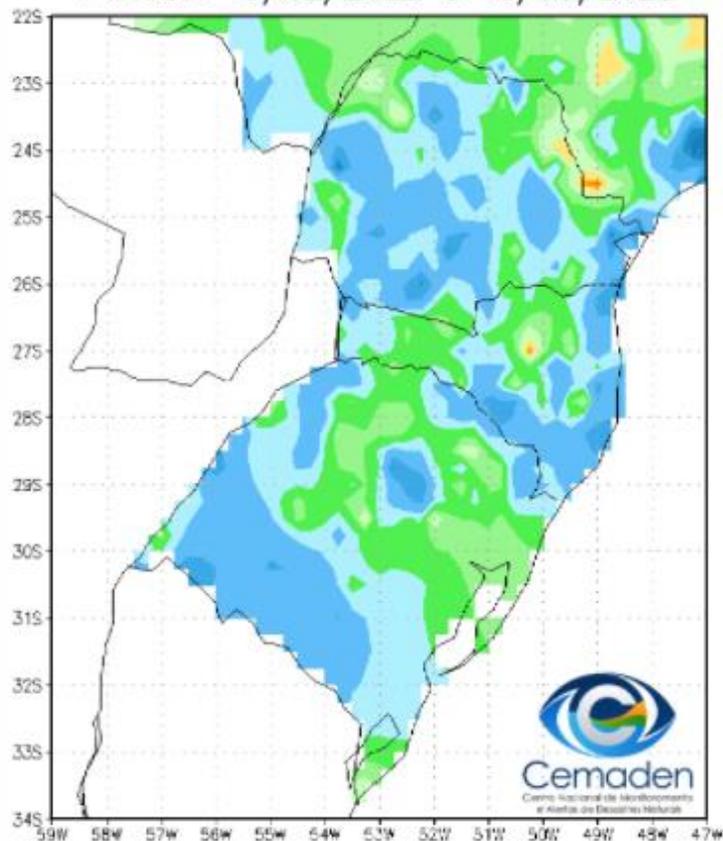


Anomalia de Precipitação (mm)  
Período: 28/02/2022 a 15/03/2022

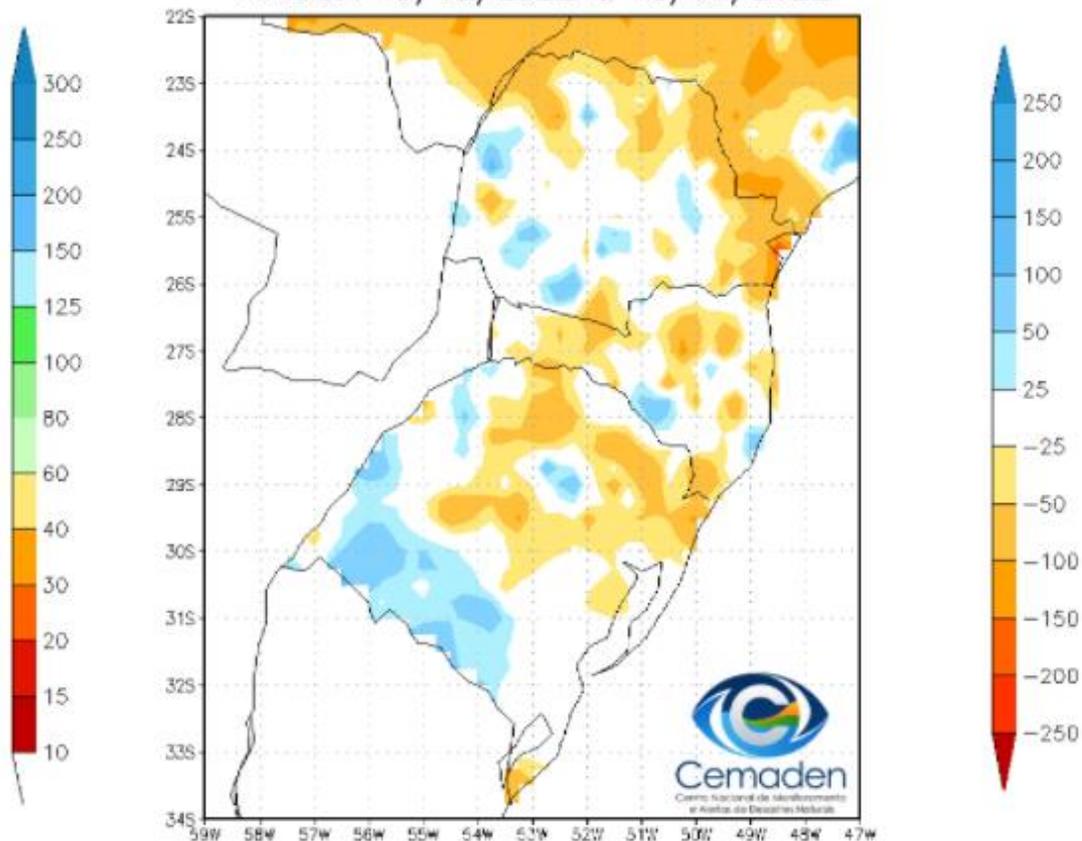


## Precipitação nos últimos 30 dias

Precipitação Acumulada (mm)  
Período: 13/02/2022 a 15/03/2022

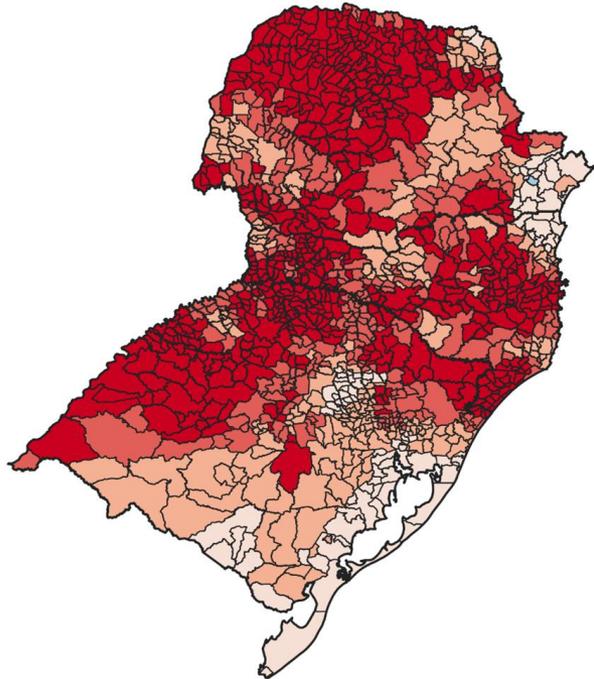


Anomalia de Precipitação (mm)  
Período: 13/02/2022 a 15/03/2022

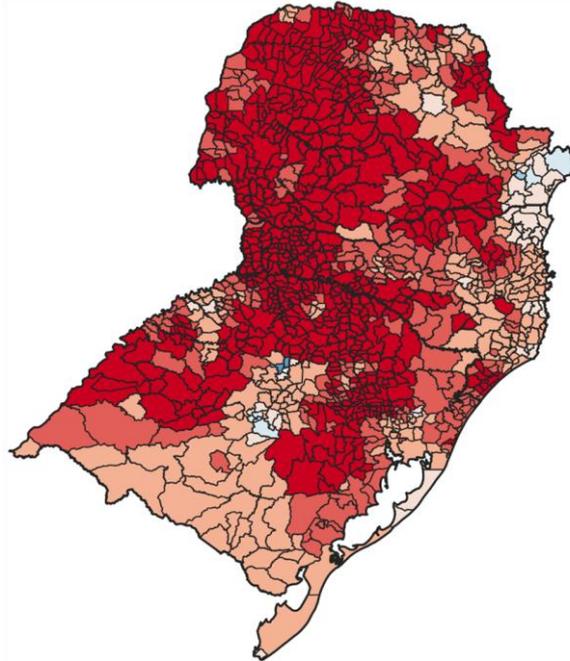


## SPI: Março de 2022

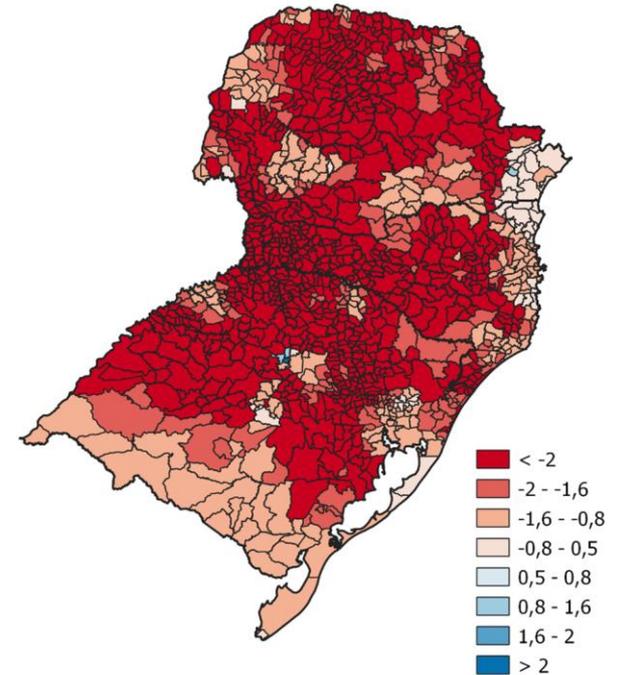
SPI03



SPI12

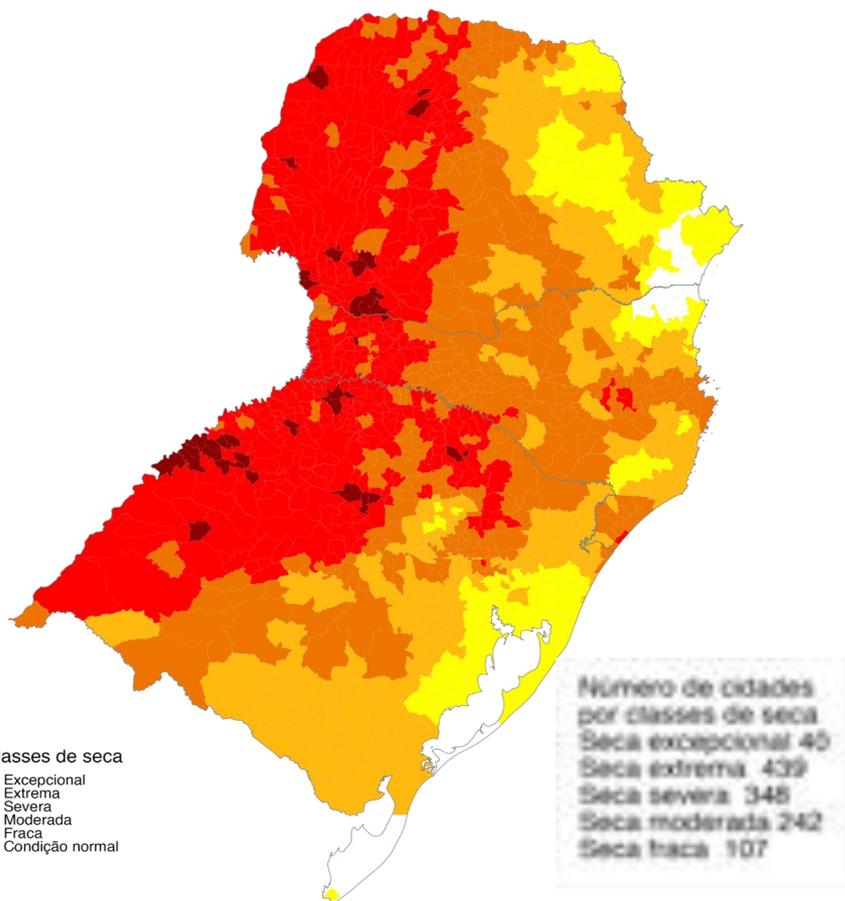


SPI24



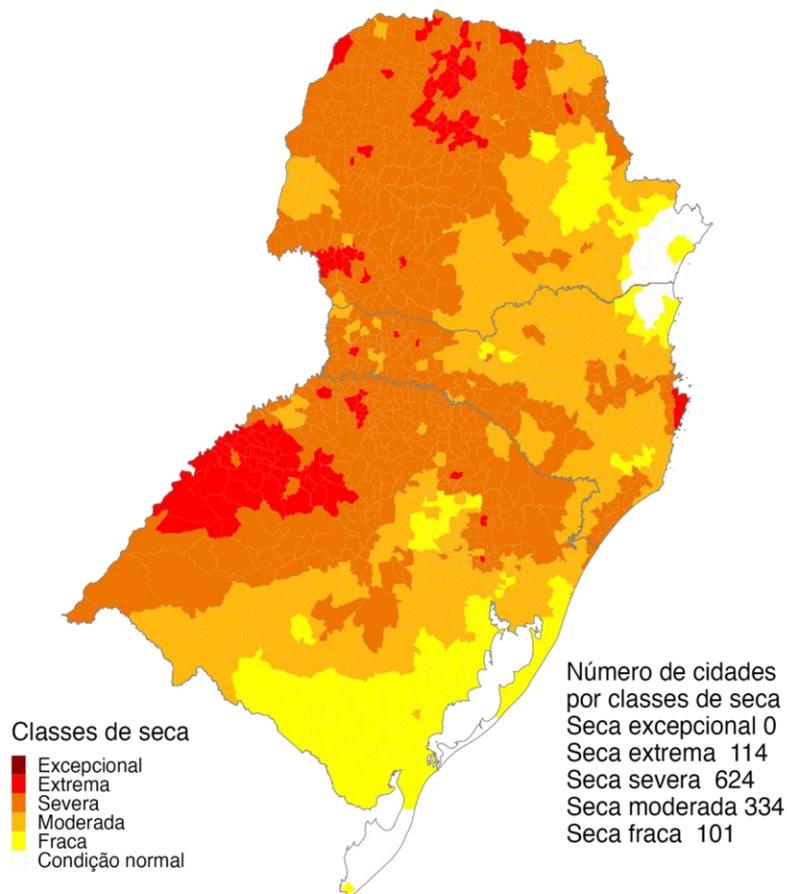
# Índice Integrado de Seca – IIS (SPI, VHI, AUS)

02 de março de 2022



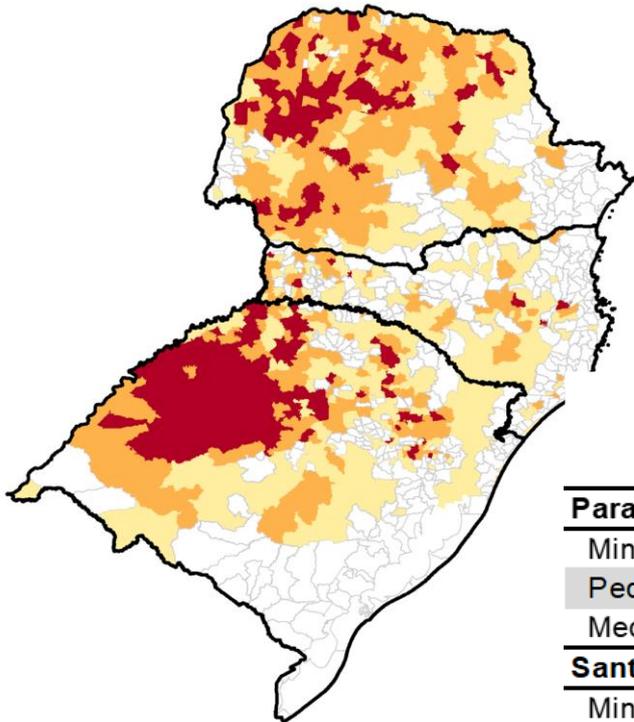
Fevereiro 2022  
Índice Integrado de Seca (SPI3, VHI, AUS)  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

13 de março de 2022



Fevereiro 2022  
Índice Integrado de Seca (SPI3, VHI, AUS)  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

# Áreas Agroprodutivas afetadas pela seca – Região Sul: 11/03



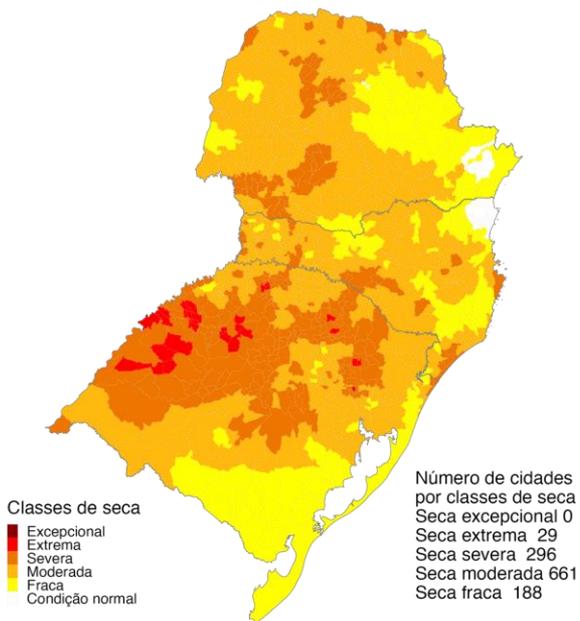
	40 a 60%	60 - 80%	> 80%	Imóveis Rurais Impactados > 40%
<b>Paraná</b>				
Minifundio	58480 (22%)	102869 (39%)	45251 (17%)	206600 (79%)
Pequena Propriedade	29244 (23%)	55532 (44%)	21158 (17%)	105934 (83%)
Media Propriedade	6952 (26%)	11719 (44%)	3984 (15%)	22655 (84%)
<b>Santa Catarina</b>				
Minifundio	60025 (26%)	40742 (18%)	5689 (2%)	106456 (46%)
Pequena Propriedade	22584 (27%)	12203 (15%)	1330 (2%)	36117 (44%)
Media Propriedade	3640 (37%)	1200 (12%)	81 (1%)	4921 (50%)
<b>Rio Grande do Sul</b>				
Minifundio	103377 (28%)	67349 (18%)	96945 (26%)	267671 (73%)
Pequena Propriedade	36839 (27%)	25501 (19%)	31687 (23%)	94027 (68%)
Media Propriedade	6477 (26%)	4664 (19%)	5357 (22%)	16498 (67%)

\*Estimativa a partir dos dados do Cadastro Ambiental Rural para minifúndios, pequenas e médias propriedades e VHI (Satélite)

# Cenários IIS: Região Sul: **Abril/22**

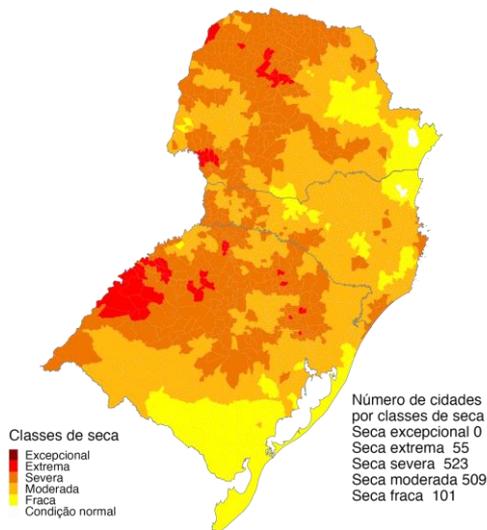
**Chuva 30% ACIMA da média**

**Chuva 30% ABAIXO da média**

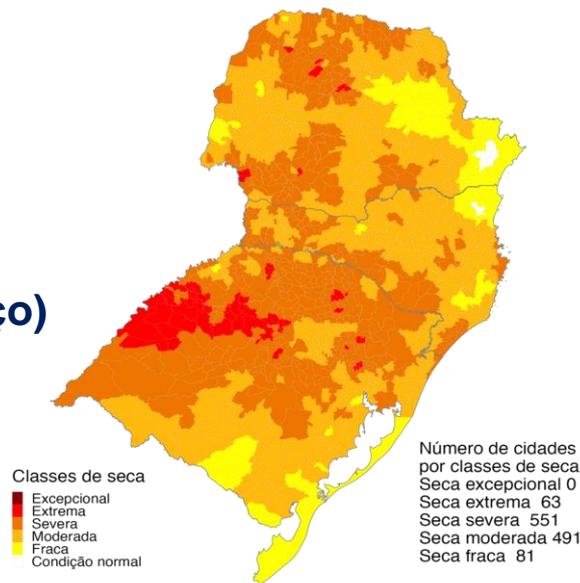


Fevereiro 2022  
Índice Integrado de Seca (SPI6, VHI, AUS)  
Cenário: Chuva + 30%  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

**IIS6 observado (12 de março)**

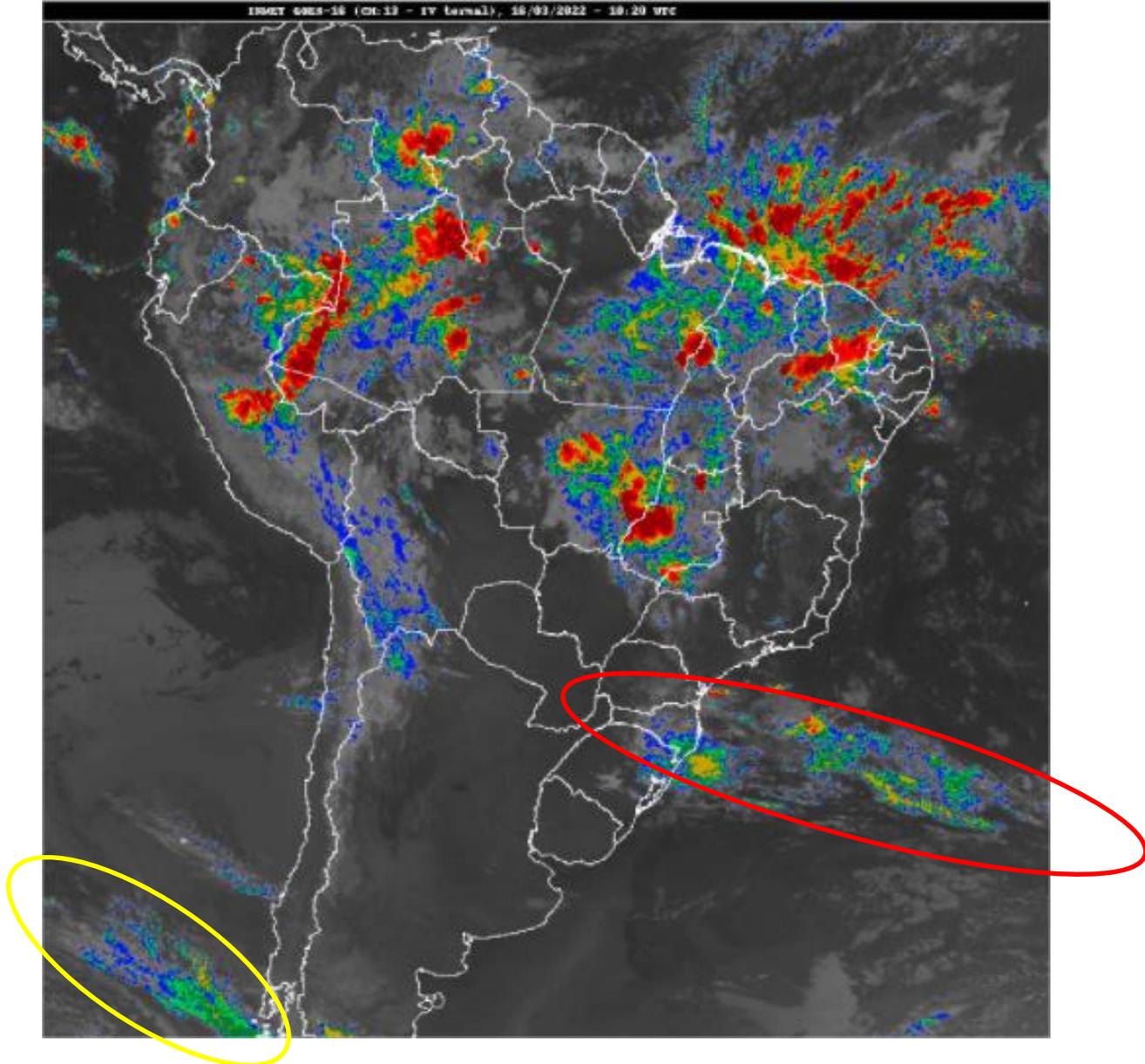


Fevereiro 2022  
Índice Integrado de Seca (SPI6, VHI, AUS)  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI



Fevereiro 2022  
Índice Integrado de Seca (SPI6, VHI, AUS)  
Cenário: Chuva - 30%  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

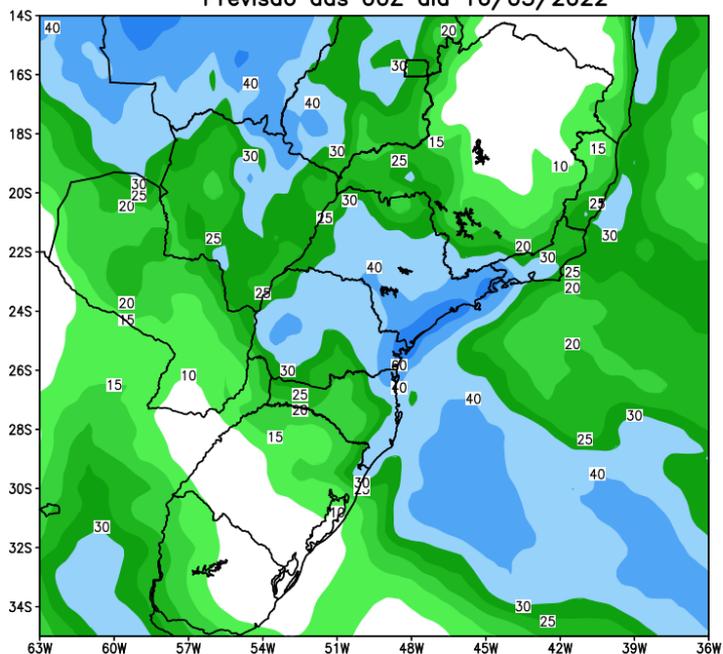
# Situação meteorológica atual



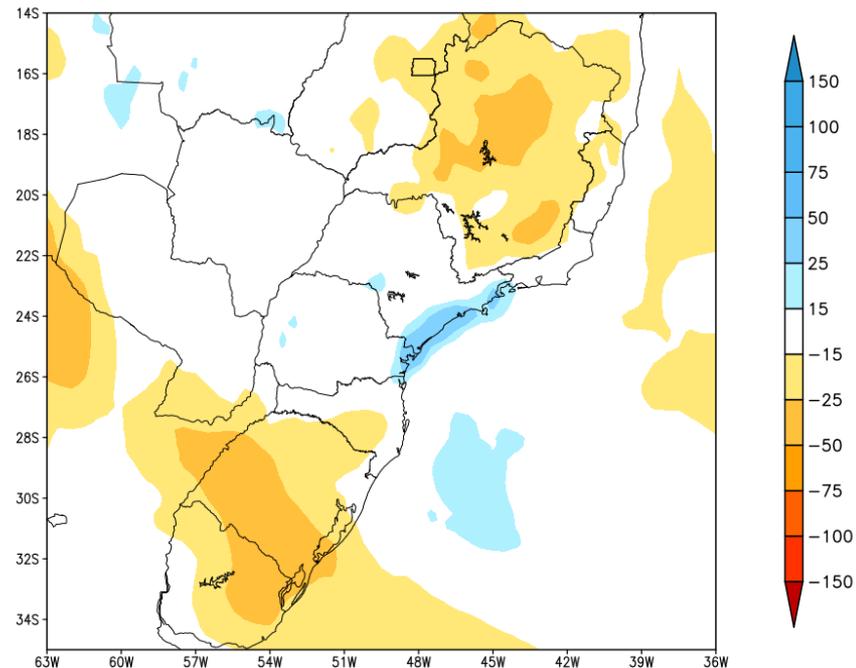
Fonte: INMET

# Previsão de chuva próximos 7 dias

GEFS / BRASIL\_SUL  
Precipitação acumulada 1aSem (mm)  
Previsão das 00Z dia 16/03/2022



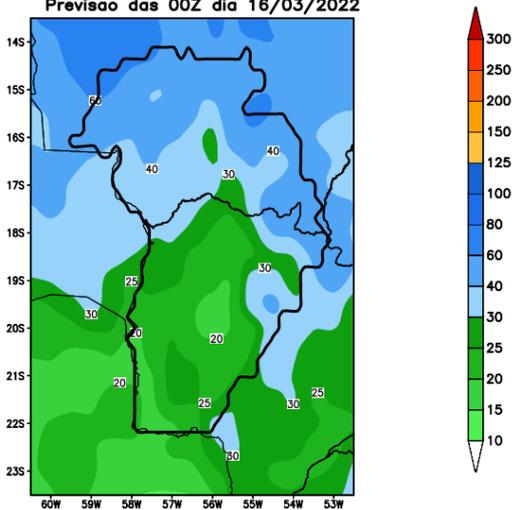
Anomalia de Precipitação BR\_SUL (mm)  
Período: 2022031600 a 2022032300



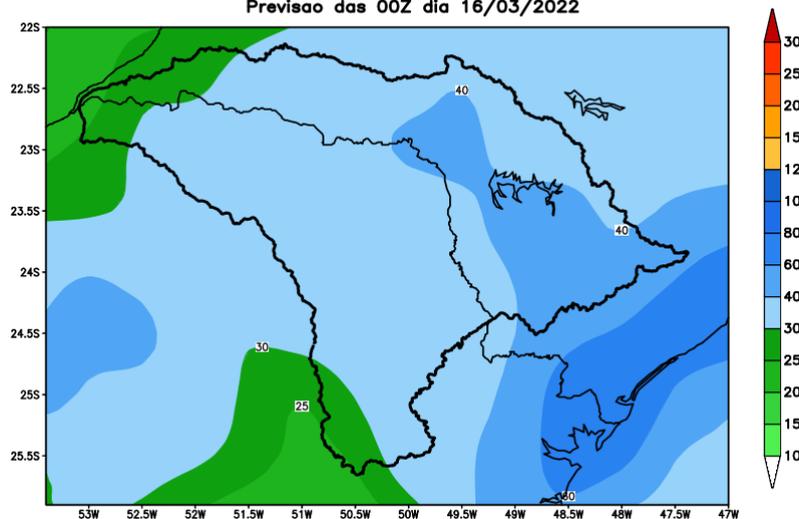
MODELO GFS

# Previsão para as principais bacias

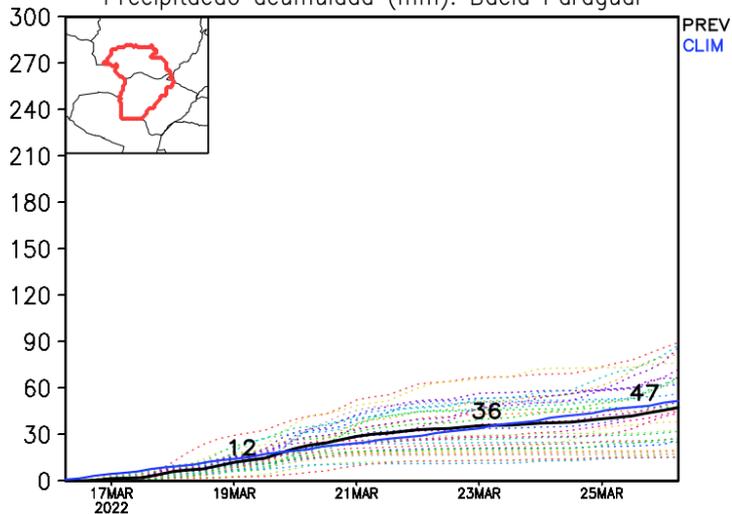
GEFS / Bacia do Rio Paraguai  
Precipitação acumulada em 7 dias (mm)  
Previsão das 00Z dia 16/03/2022



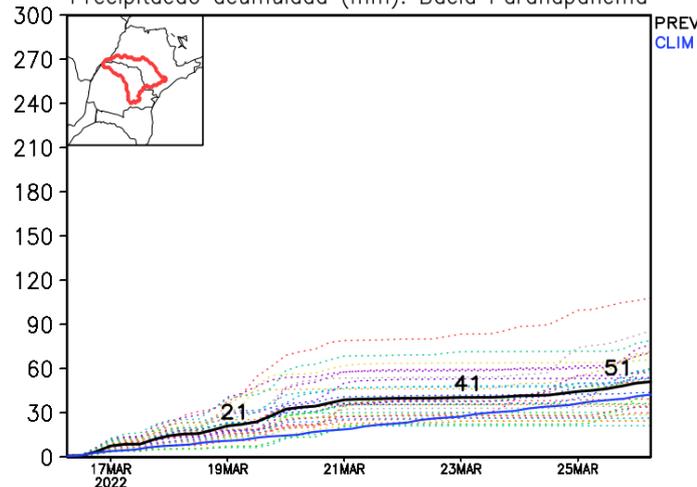
GEFS / Bacia do Rio Paranapanema  
Precipitação acumulada em 7 dias (mm)  
Previsão das 00Z dia 16/03/2022



Precipitação acumulada (mm): Bacia Paraguai

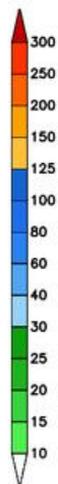
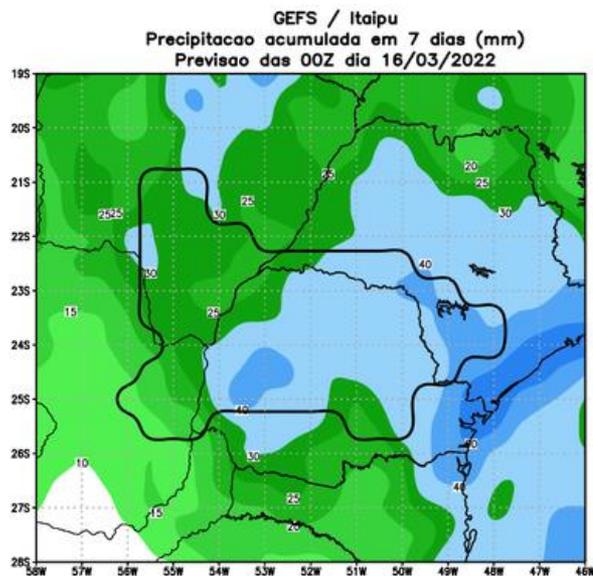


Precipitação acumulada (mm): Bacia Paranapanema

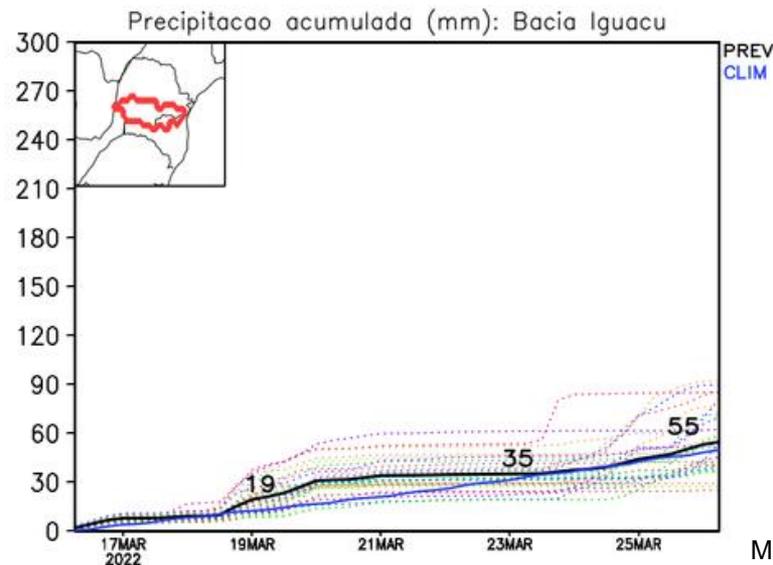
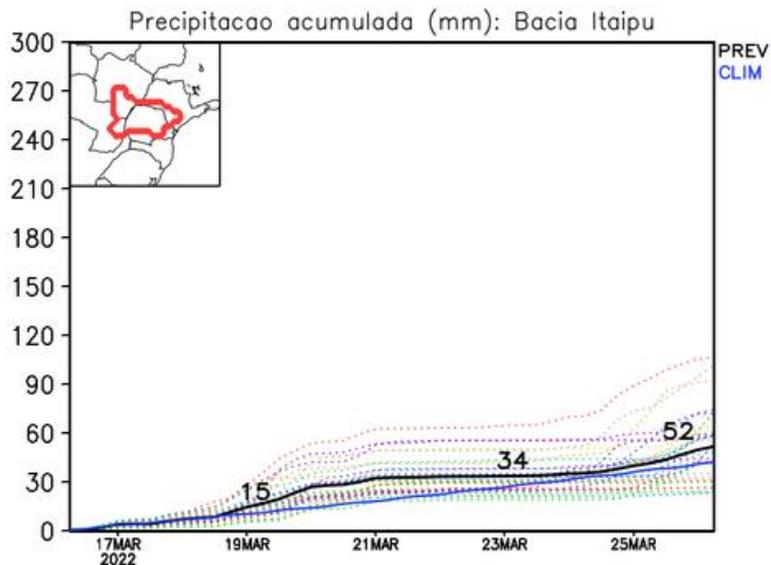
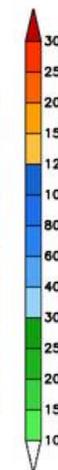
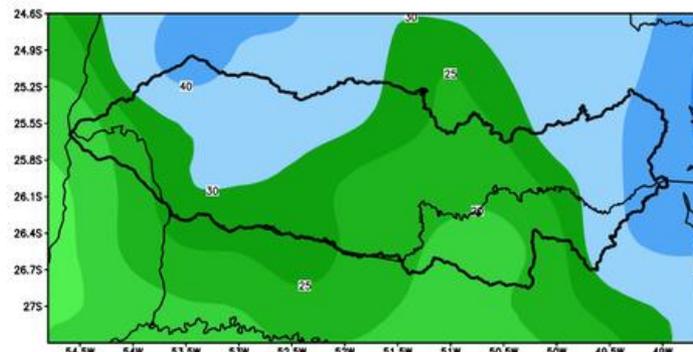


MODELO GFS

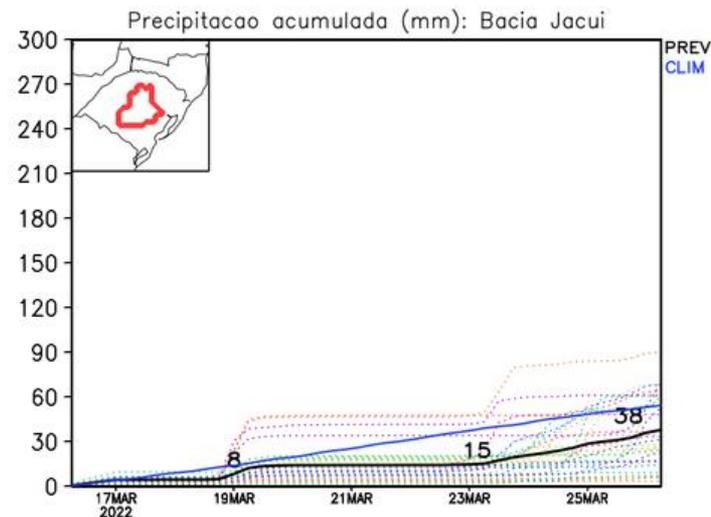
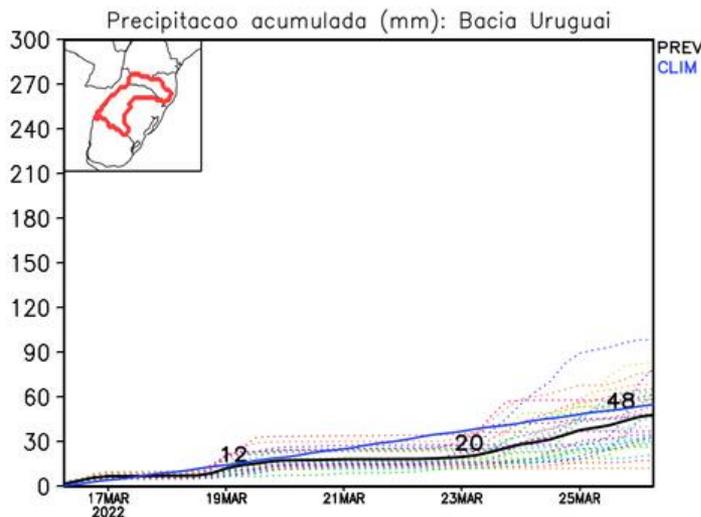
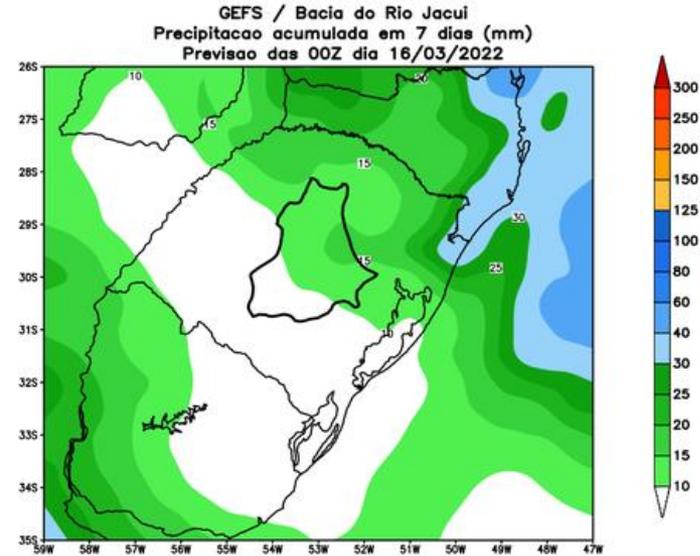
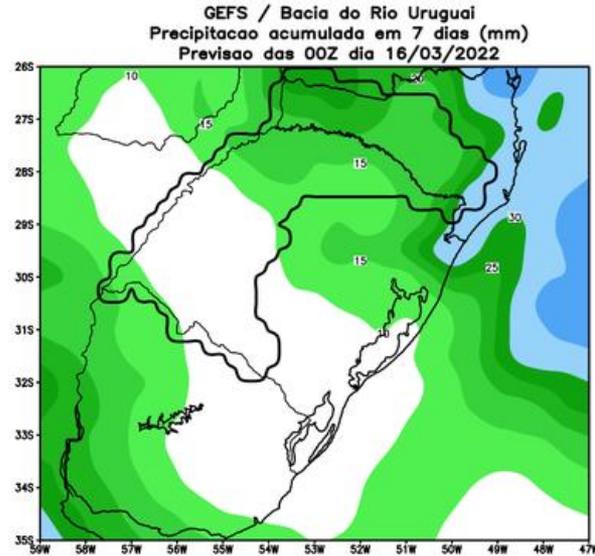
# Previsão para as principais bacias



GEFS / Bacia do Rio Iguacu  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 16/03/2022

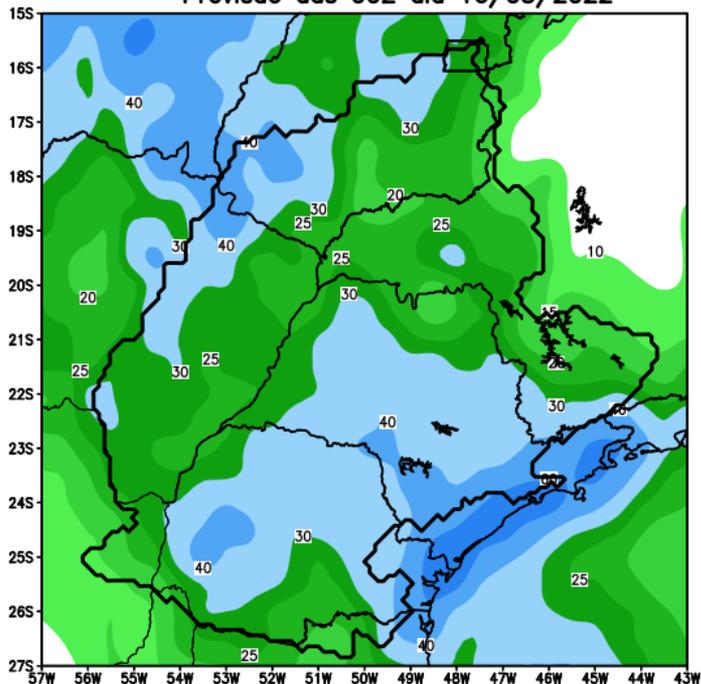


# Previsão para as principais bacias

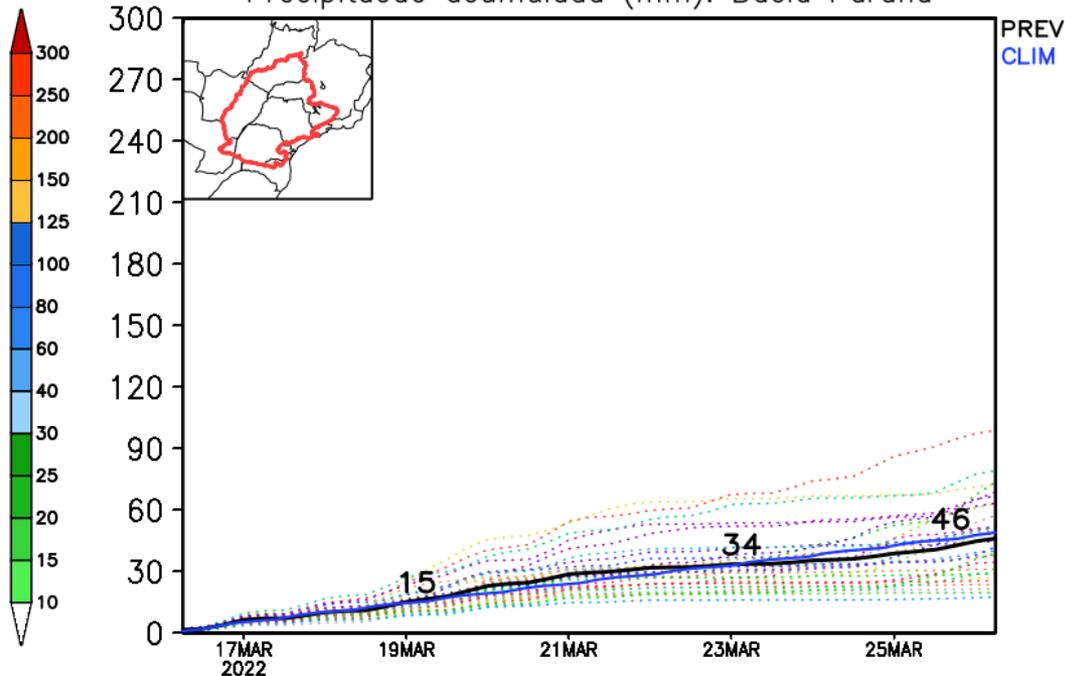


# Previsão para as principais bacias

GEFS / Bacia do Parana  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 16/03/2022

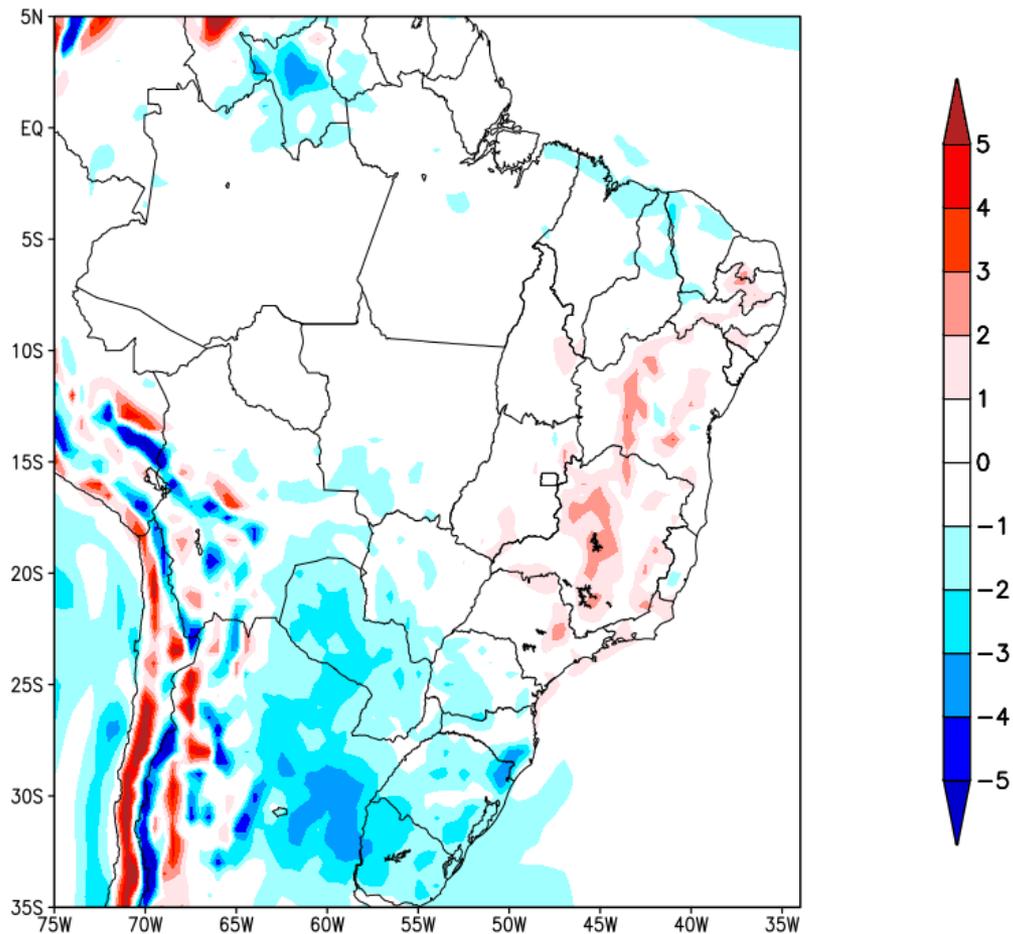


Precipitacao acumulada (mm): Bacia Parana



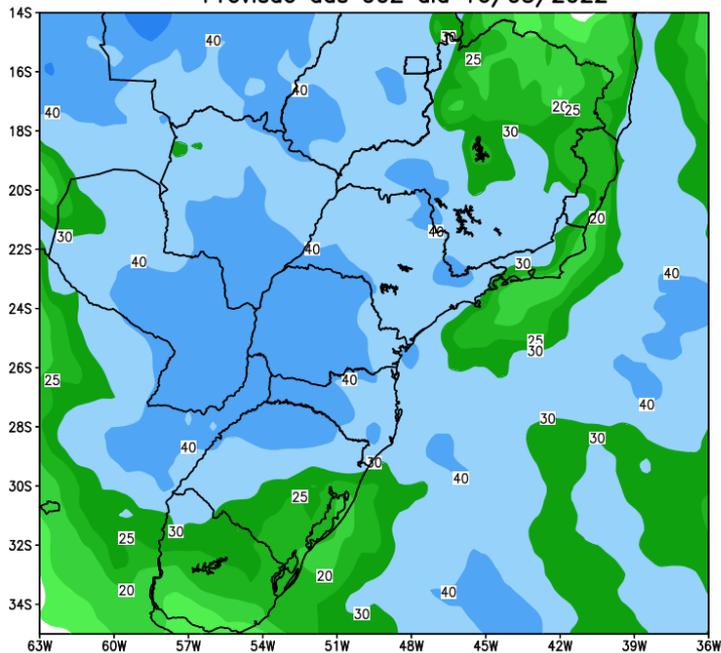
# Previsão de Temperatura

Anomalia de Temperatura BR (C)  
Período: 2022031500 a 2022032200

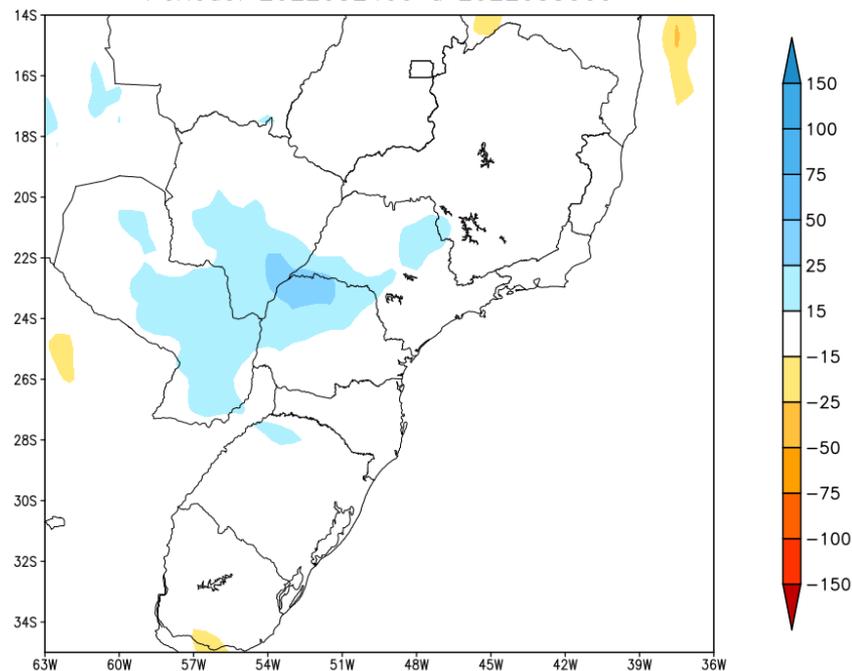


# Tendência para a segunda semana

GEFS / BRASIL\_SUL  
Precipitacao acumulada 2aSem (mm)  
Previsao das 00Z dia 16/03/2022



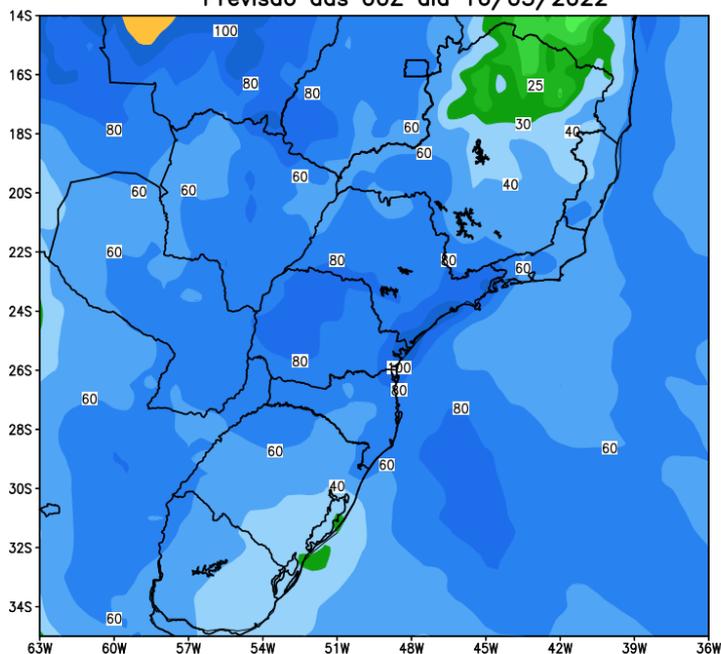
Anomalia de Precipitacao BR\_SUL (mm)  
Periodo: 2022032400 a 2022033000



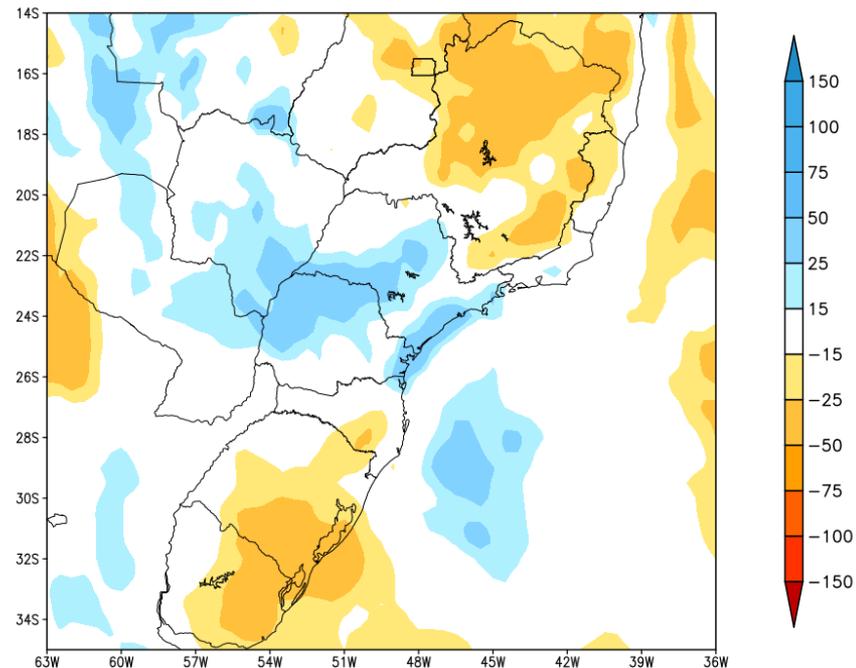
MODELO GFS

# Tendência para as duas próximas semanas

GEFS / BRASIL\_SUL  
Precipitação acumulada 14 dias (mm)  
Previsão das 00Z dia 16/03/2022

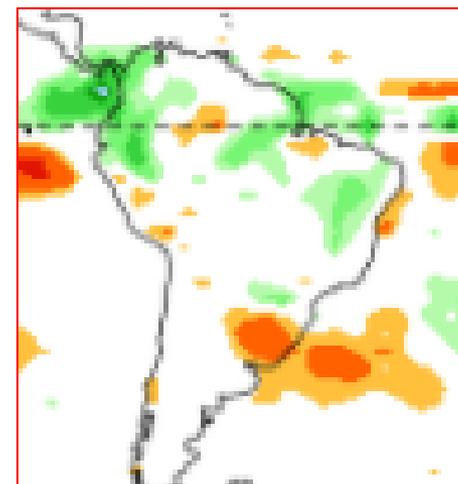
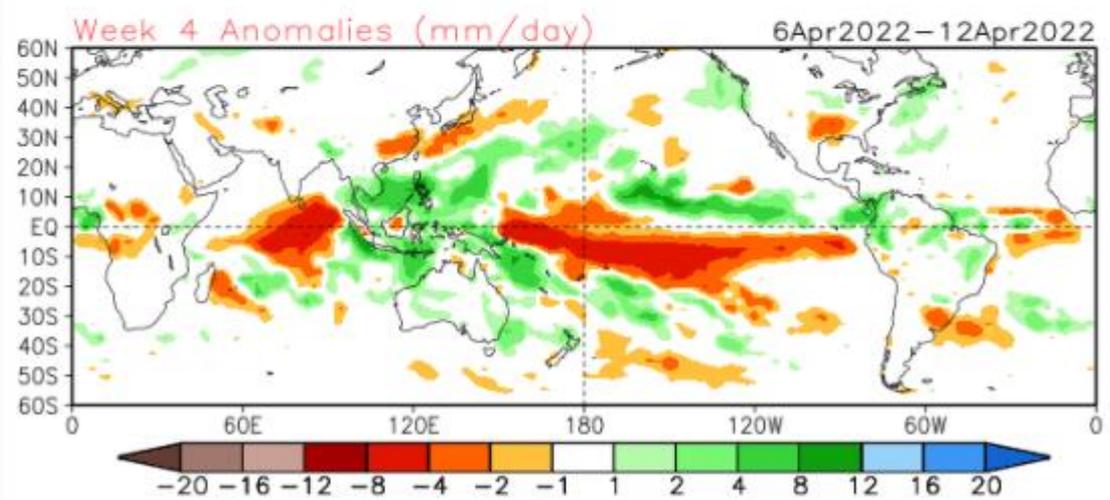
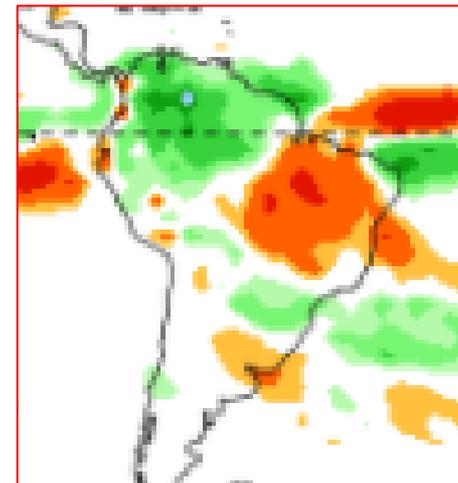
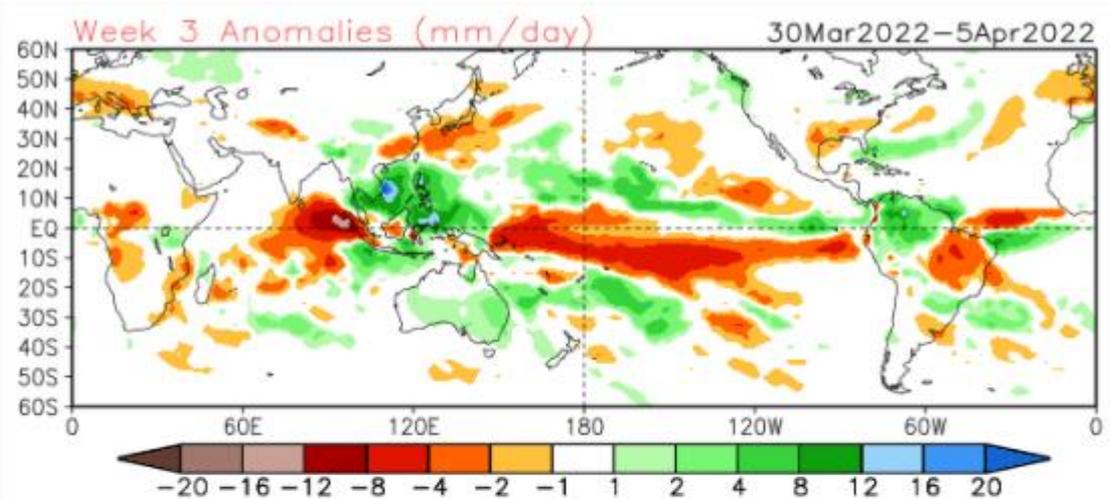


Anomalia de Precipitação BR\_SUL (mm)  
Período: 2022031600 a 2022033000



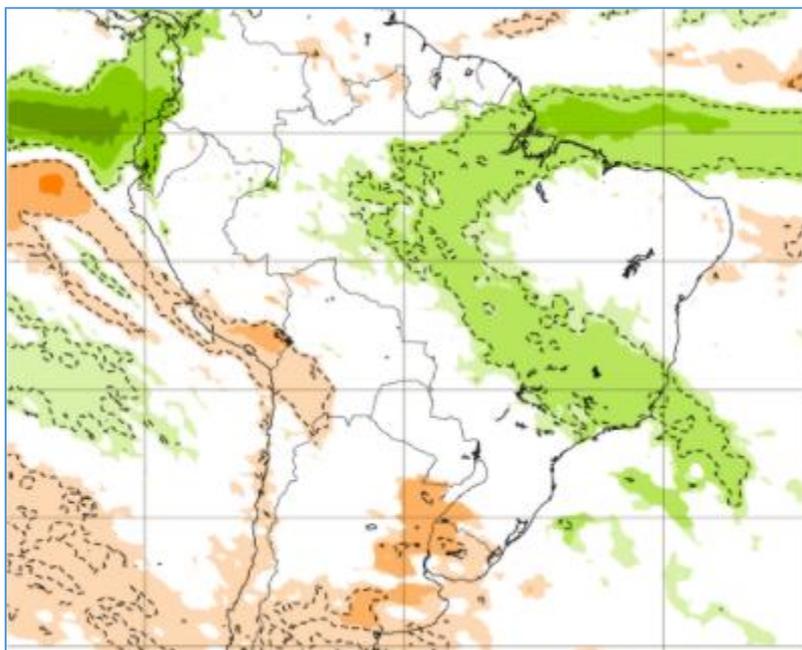
MODELO GFS

# Tendência 3a e 4a semanas

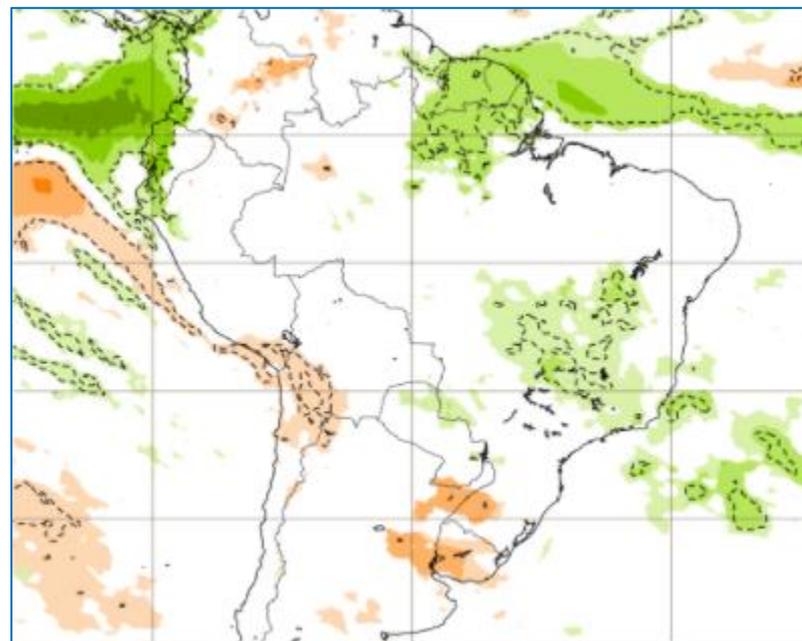


# Tendência para 3ª e 4ª semanas

28/03-04/04

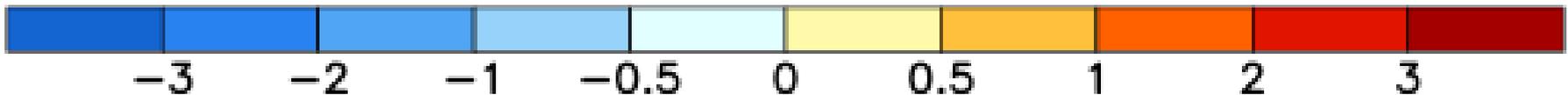
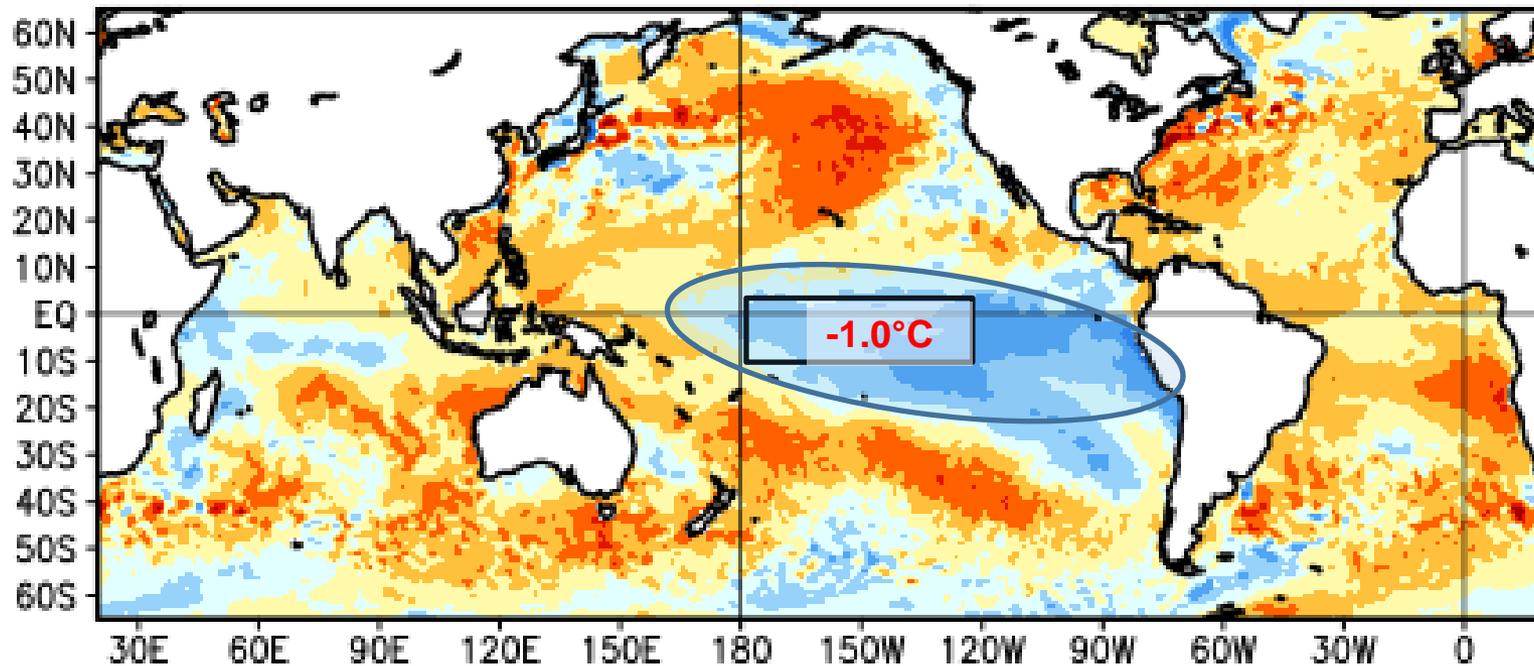


04-11/04



Status Atual: **La Niña**

## Average SST Anomalies 13 FEB 2022 – 12 MAR 2022

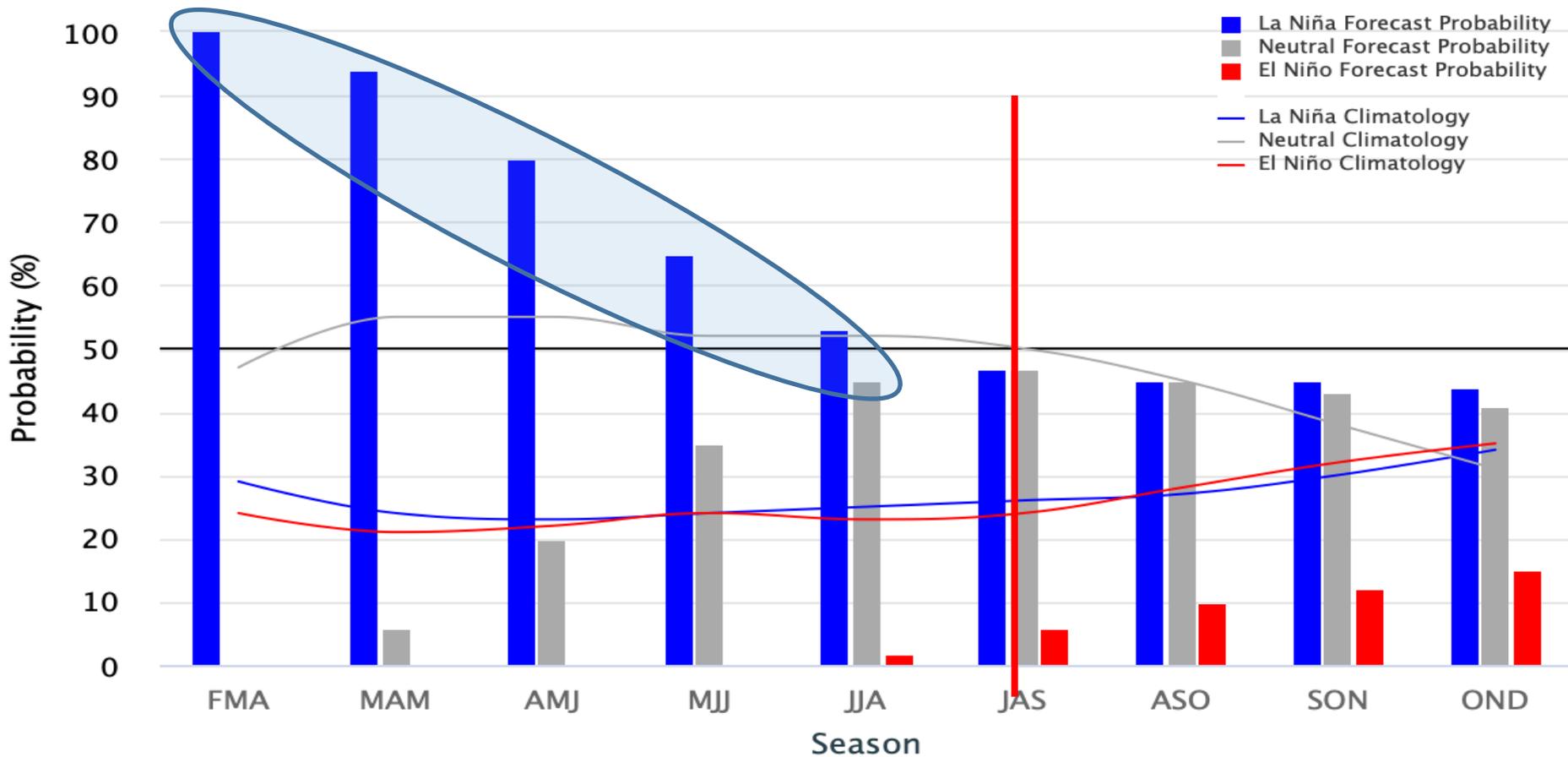


# Previsão do “La Niña”

## Early-March 2022 CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

Neutral ENSO:  $-0.5\text{ }^{\circ}\text{C}$  to  $0.5\text{ }^{\circ}\text{C}$



Status Atual: **La Niña**

FONTE: NOAA

# Previsão sazonal de Chuva (AMJ)

