

# Monitoramento e Previsões de chuva para a Bacia do Rio Paranapanema

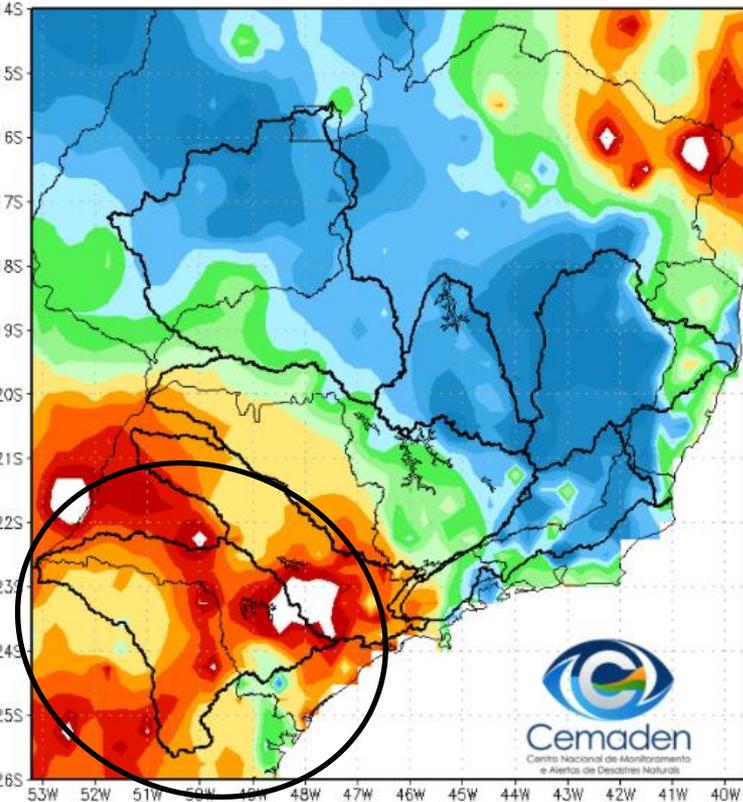


Cemaden  
Centro Nacional de Monitoramento  
e Alertas de Desastres Naturais

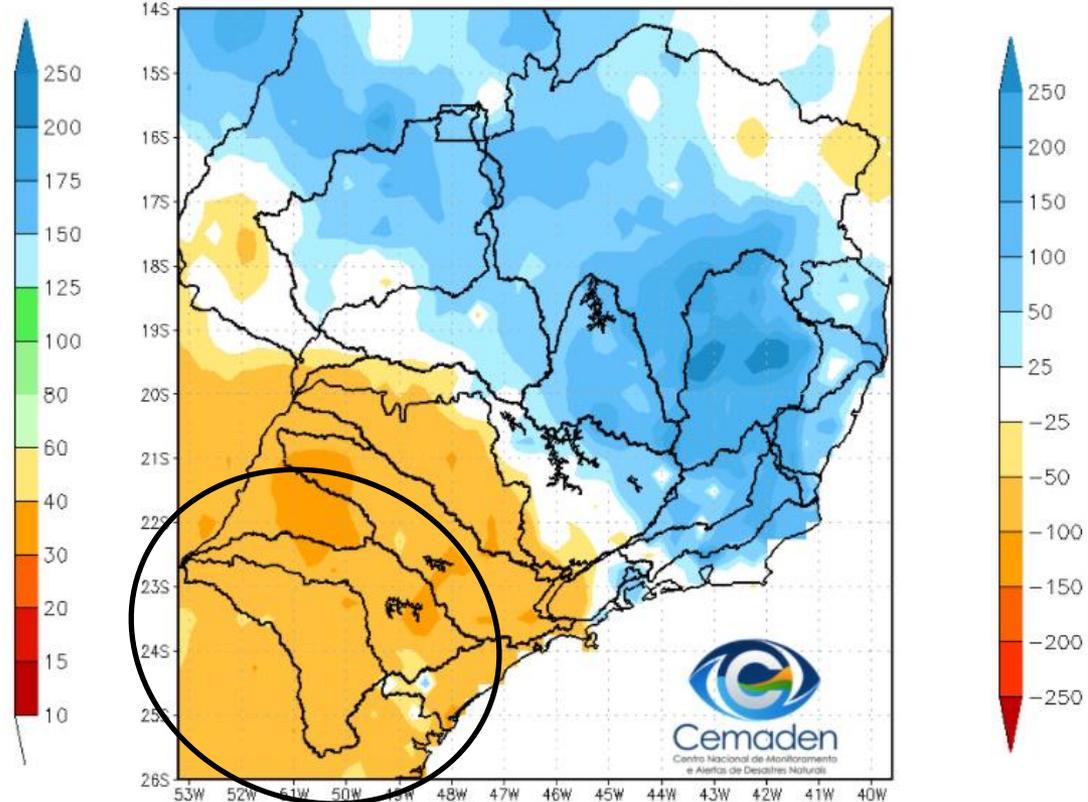
24 de Fevereiro de 2022

# Precipitação acumulada nos últimos 15 dias

Precipitação Acumulada (mm) A.S.  
Período: 08/02/2022 a 23/02/2022

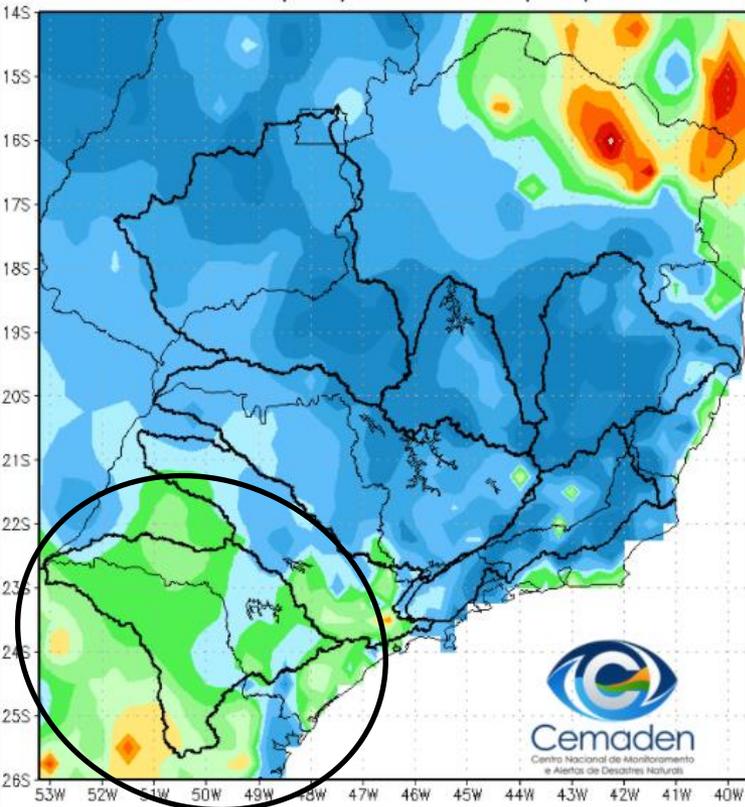


Anomalia de Precipitação (mm) A.S.  
Período: 08/02/2022 a 23/02/2022

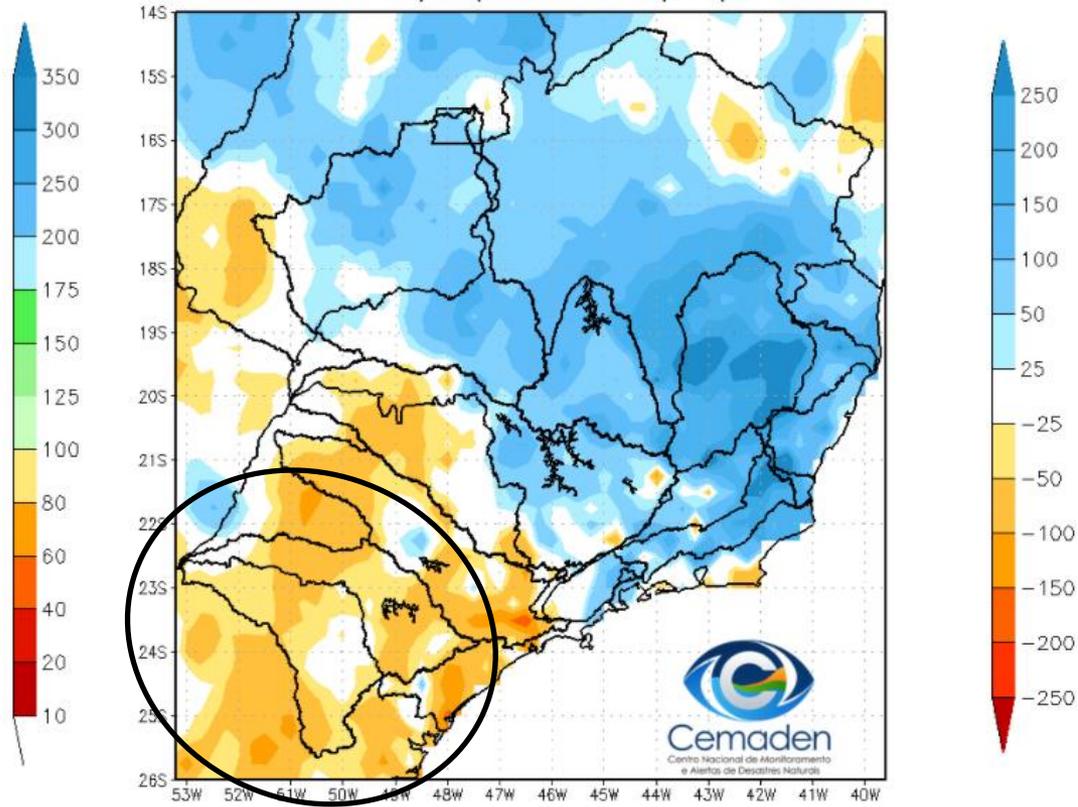


# Precipitação acumulada nos últimos 30 dias

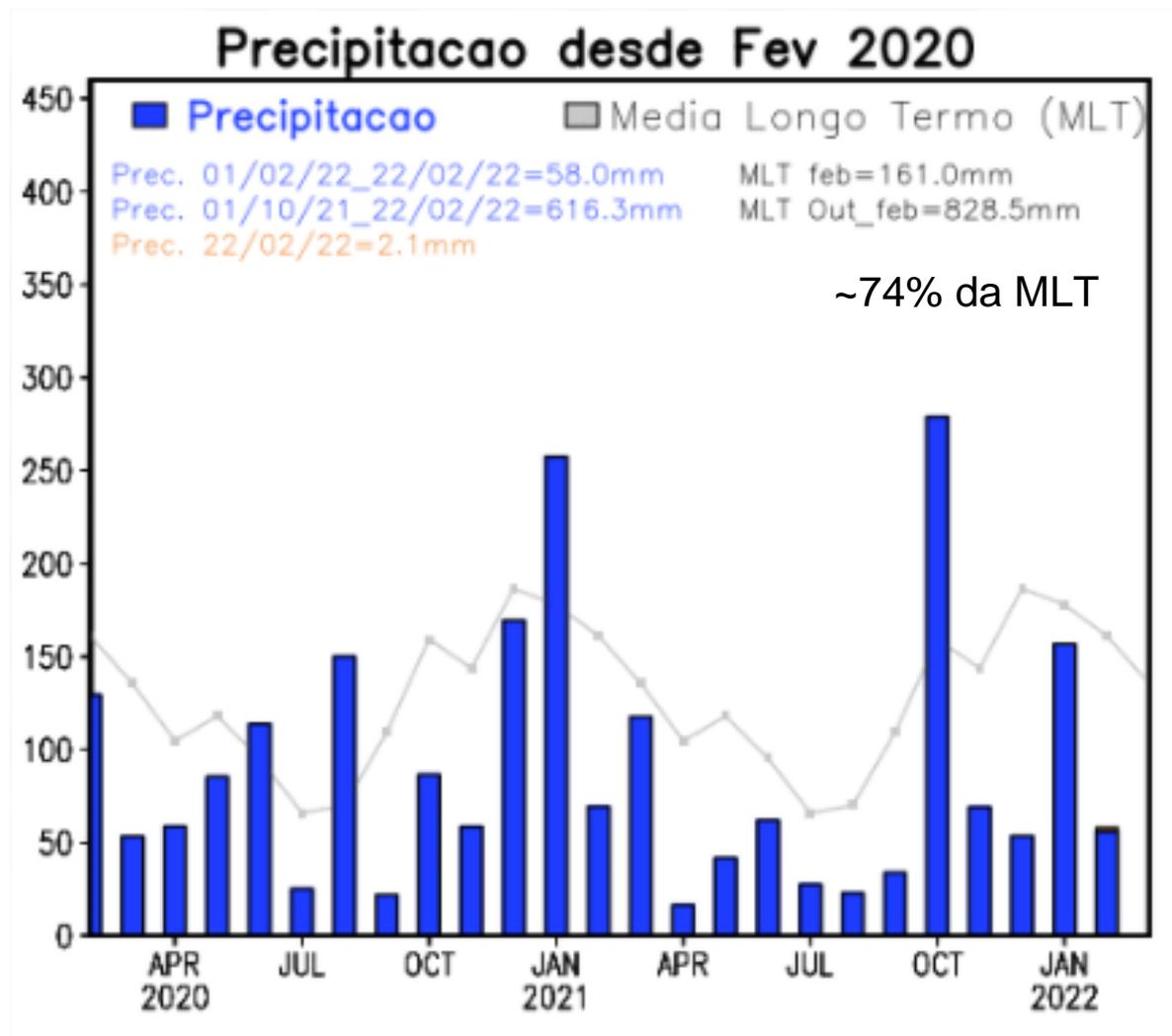
Precipitação Acumulada (mm) A.S.  
Período: 24/01/2022 a 23/02/2022



Anomalia de Precipitação (mm) A.S.  
Período: 24/01/2022 a 23/02/2022



# Evolução temporal da precipitação

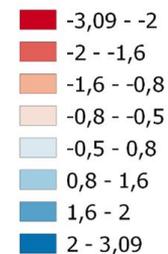
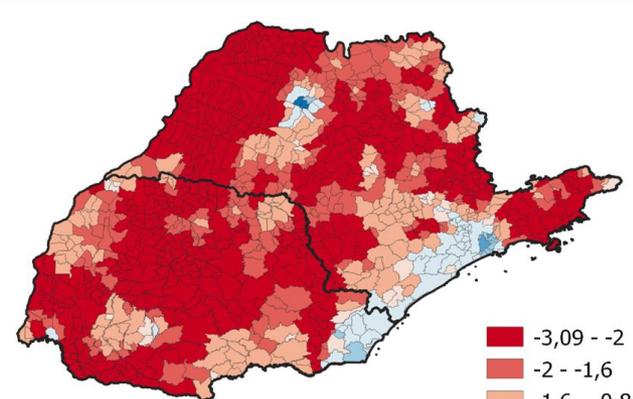
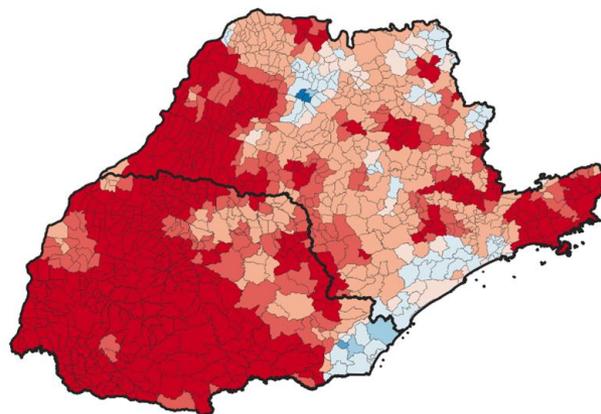
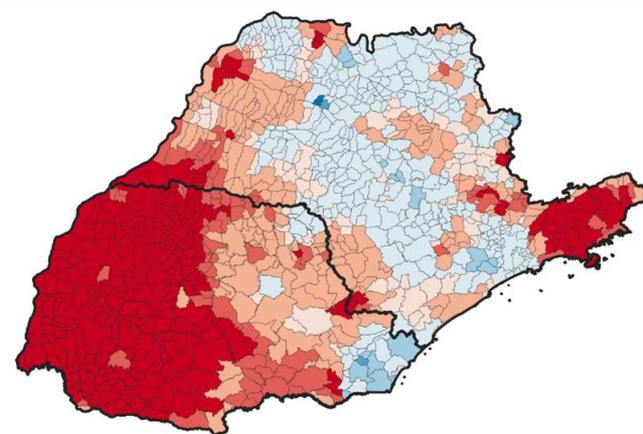


# SPI: Fevereiro de 2022

## SPI03

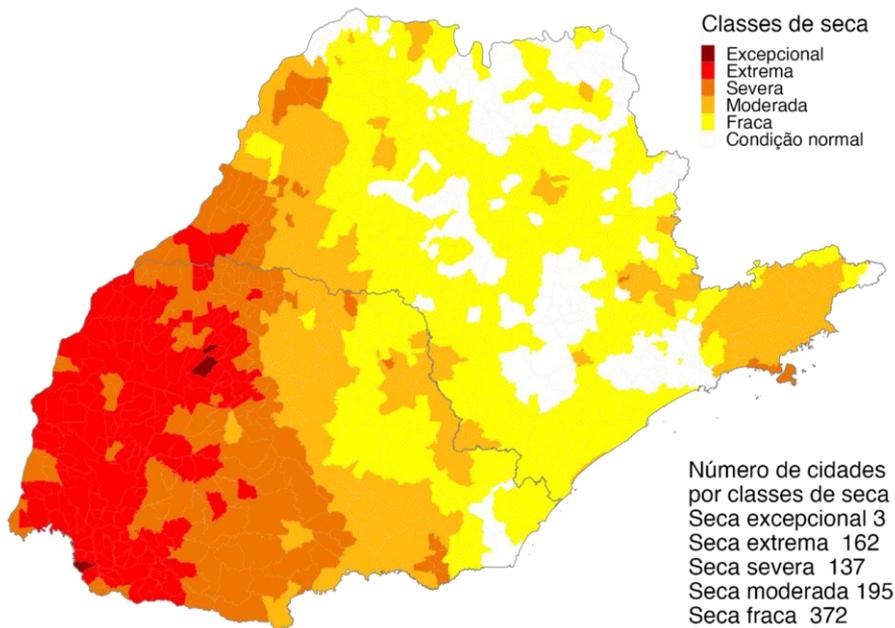
## SPI12

## SPI24



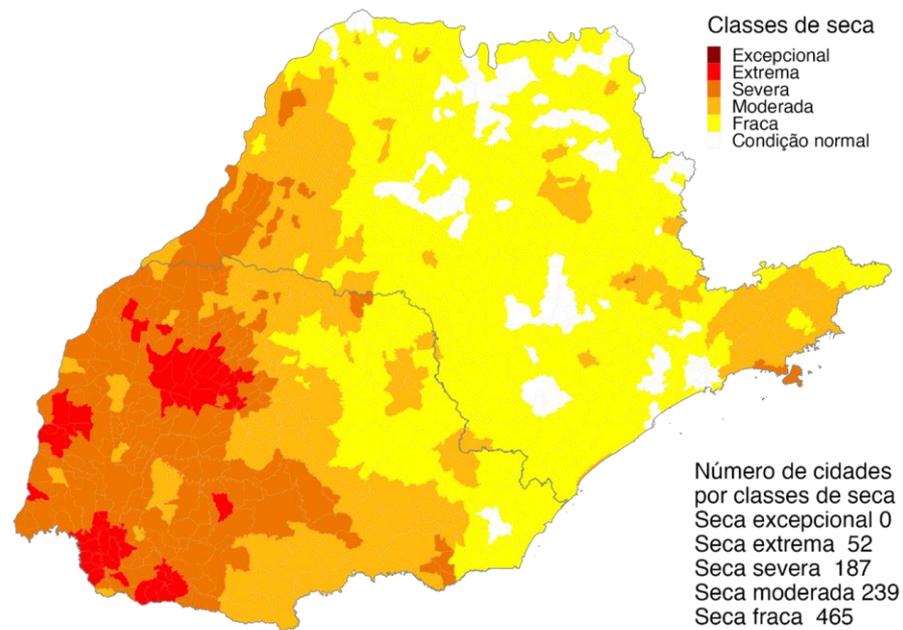
# Índice Integrado de Seca – IIS (chuva, umidade do solo e vegetação)

## IIS3



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

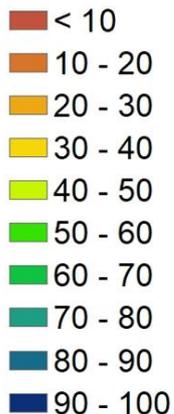
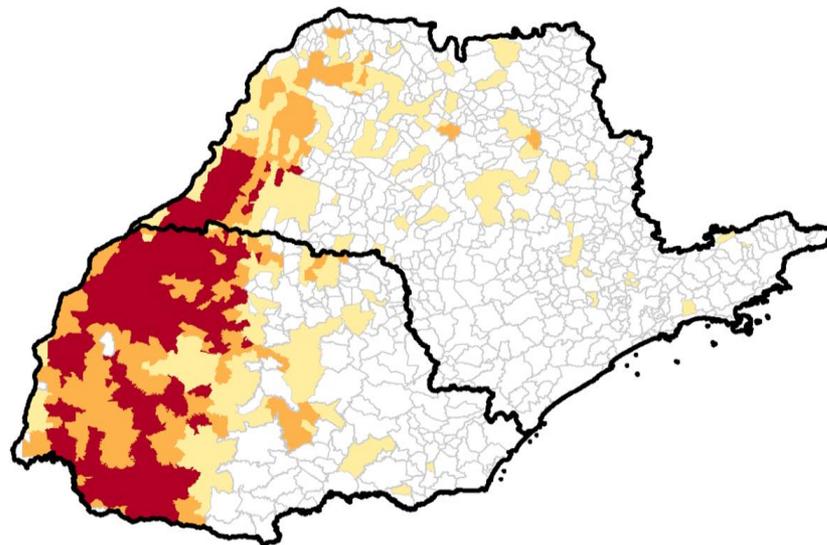
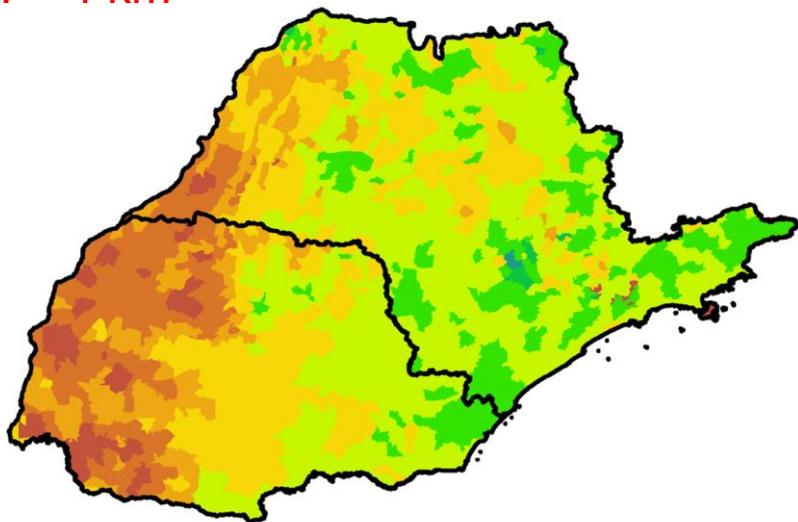
## IIS6



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

# Áreas Agroprodutivas afetadas pela seca: Bacia do rio Paranapanema: 18/02

VHI - 4 km

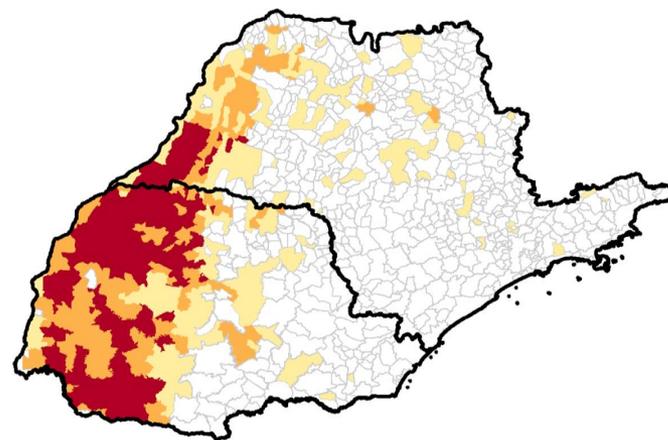
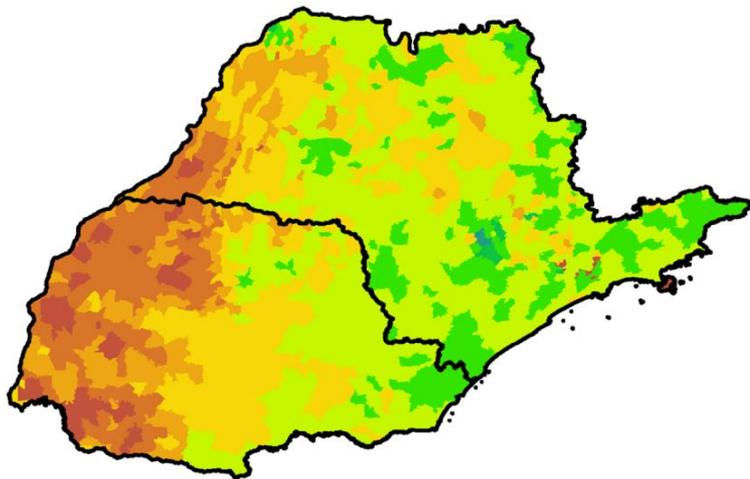


UF	40 a 60%	60 - 80%	> 80%
PR	61	81	138
SP	99	35	15

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

# Áreas Agroprodutivas afetadas pela seca 18/02

VHI - 4 km

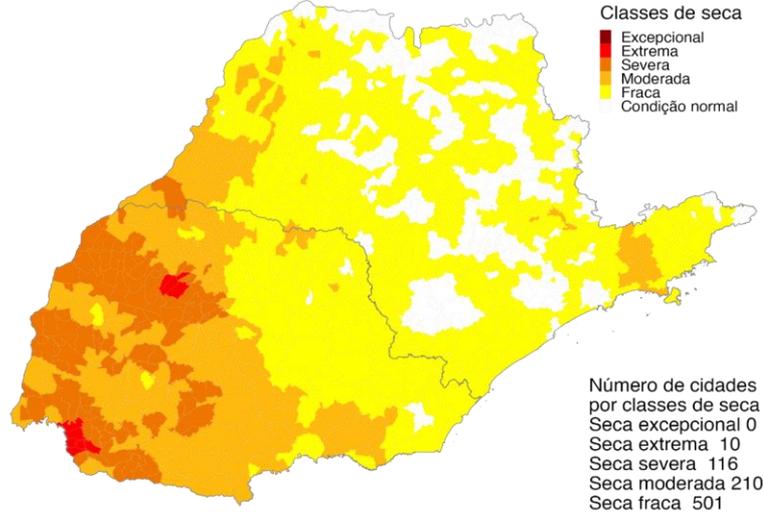


	40 a 60%	60 - 80%	> 80%	Imóveis Rurais Impactados > 40%
<b>Paraná</b>				
Minifundio	38745 (15%)	53321 (20%)	79057 (30%)	171123 (65%)
Pequena Propriedade	19802 (16%)	28036 (22%)	38377 (30%)	86215 (68%)
Media Propriedade	5039 (19%)	5129 (19%)	6964 (26%)	17132 (64%)
<b>São Paulo</b>				
Minifundio	23797 (12%)	9775 (5%)	3195 (2%)	36767 (19%)
Pequena Propriedade	14703 (14%)	4745 (5%)	2003 (2%)	21451 (20%)
Media Propriedade	5338 (15%)	1436 (4%)	746 (2%)	7520 (21%)

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

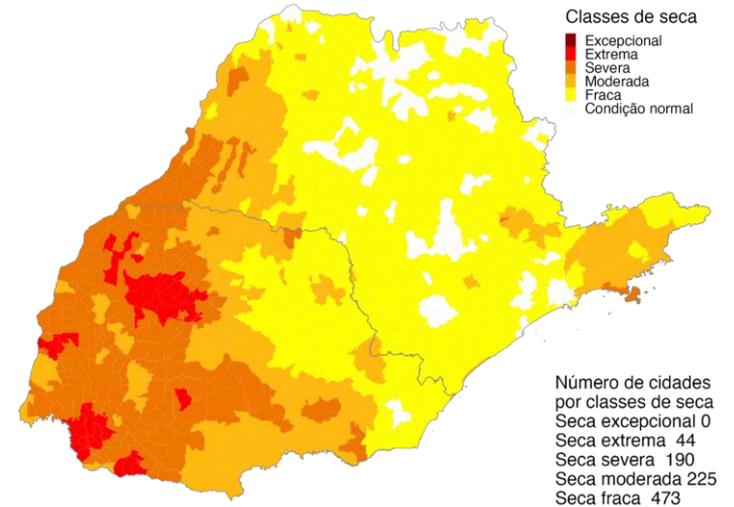
# Cenários IIS: Março/22

## Chuva 30% ACIMA da média

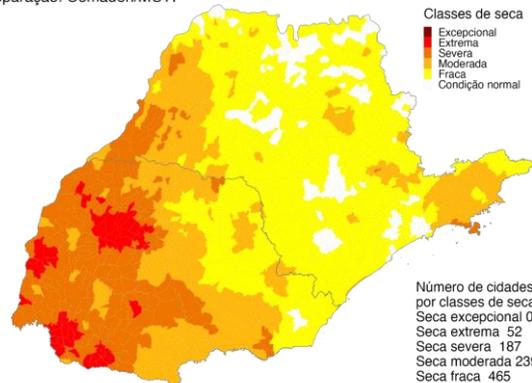


Fevereiro 2022  
Índice Integrado de Seca (SPI6, VHI, AUS)  
Cenário: Chuva + 30%  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

## Chuva 30% ABAIXO da média



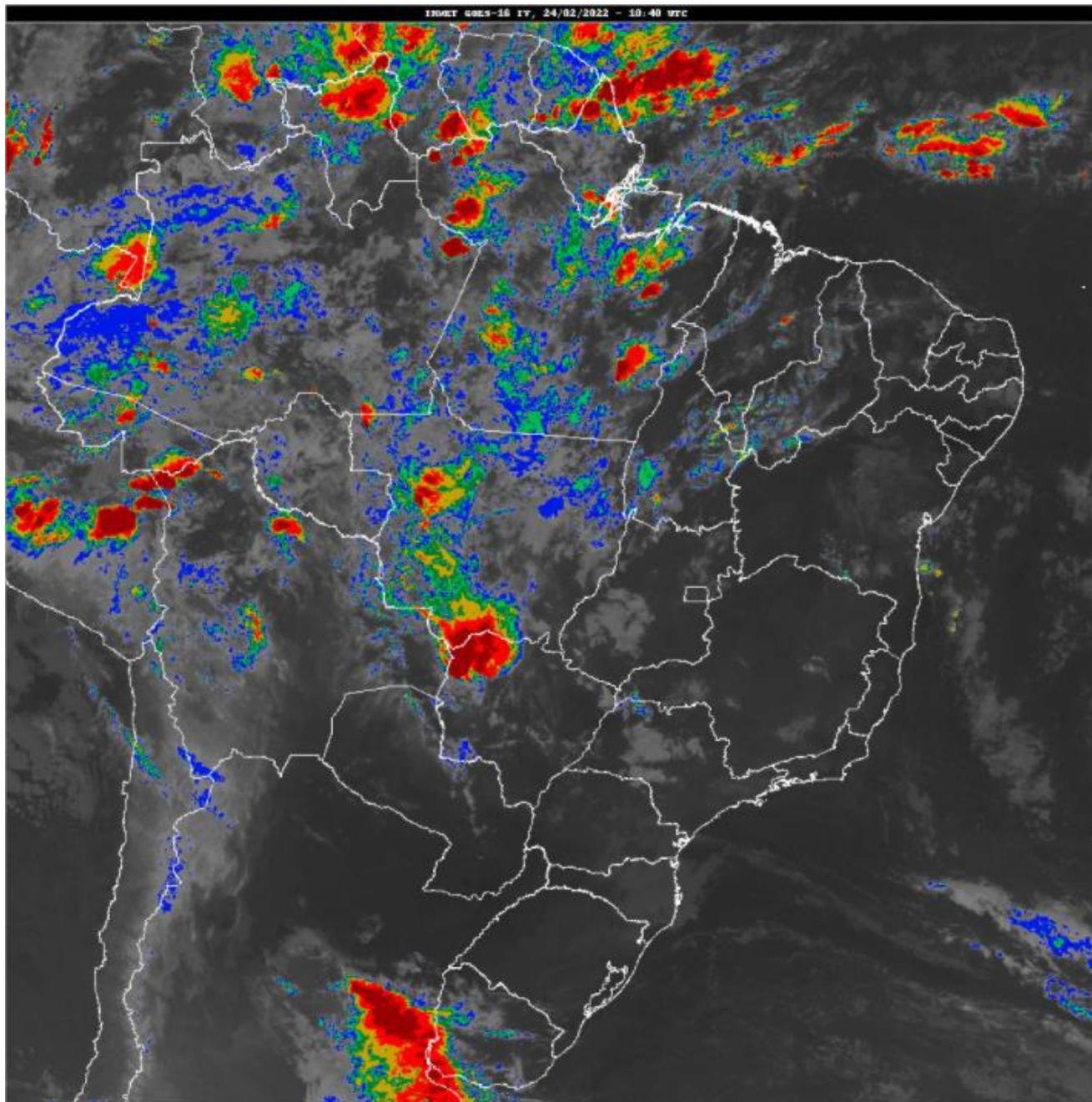
Fevereiro 2022  
Índice Integrado de Seca (SPI6, VHI, AUS)  
Cenário: Chuva - 30%  
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI



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

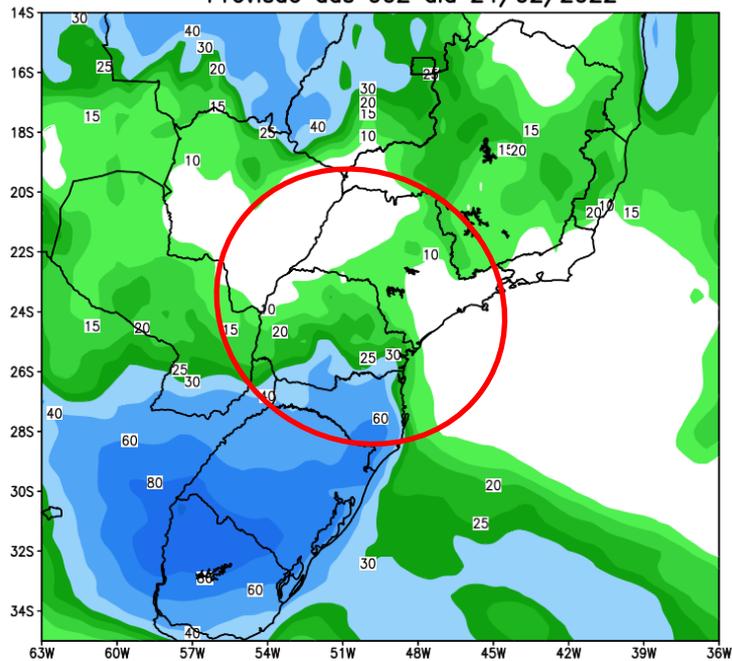
## IIS6 observado (22 de fevereiro)

# Situação Meteorológica Atual

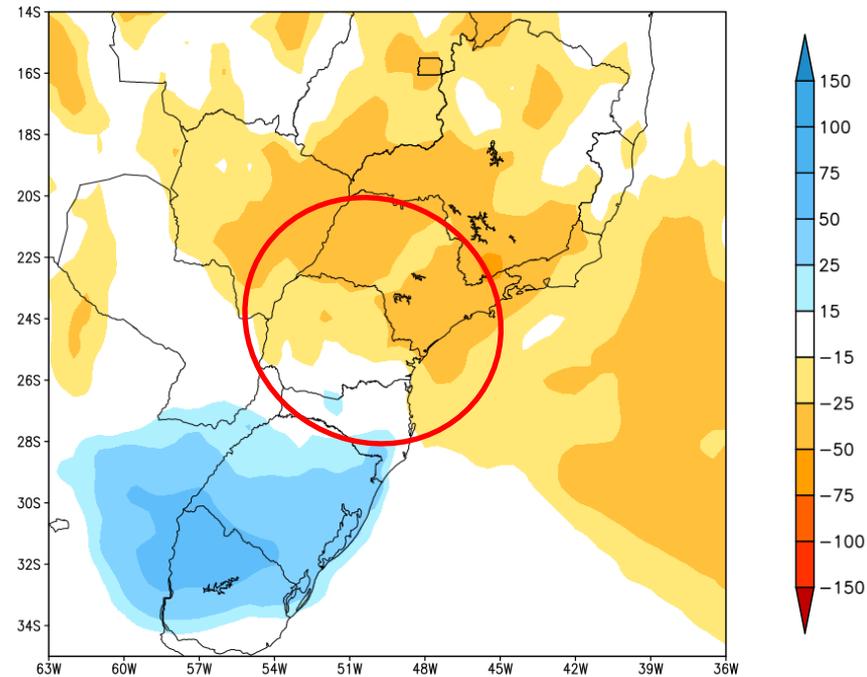


# Previsão de chuva para os próximos 7 dias

GEFS / BRASIL\_SUL  
Precipitacao acumulada 1aSem (mm)  
Previsao das 00Z dia 24/02/2022



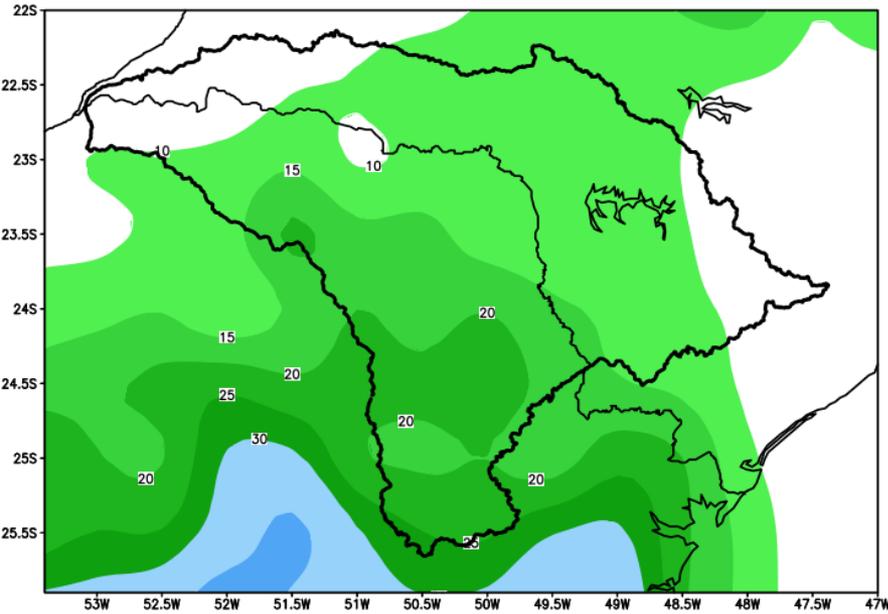
Anomalia de Precipitacao BR\_SUL (mm)  
Periodo: 2022022400 a 2022030300



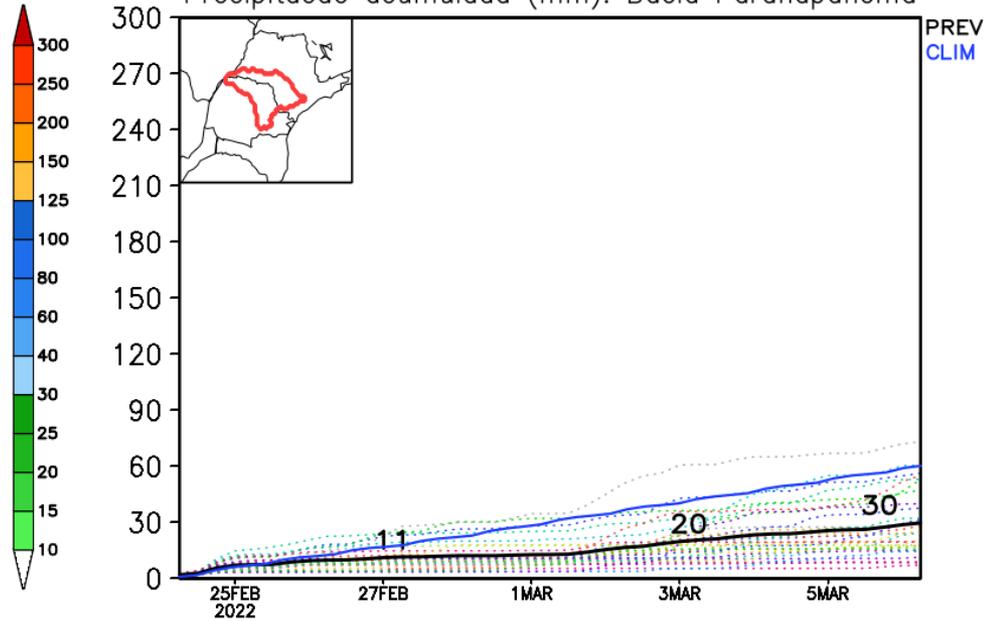
Fonte: GFS/NOAA

# Bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 24/02/2022

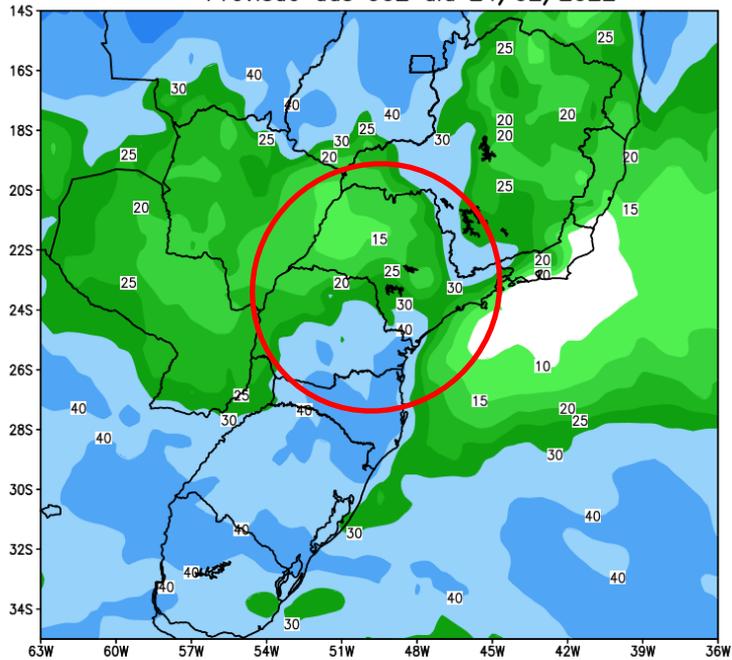


Precipitacao acumulada (mm): Bacia Paranapanema

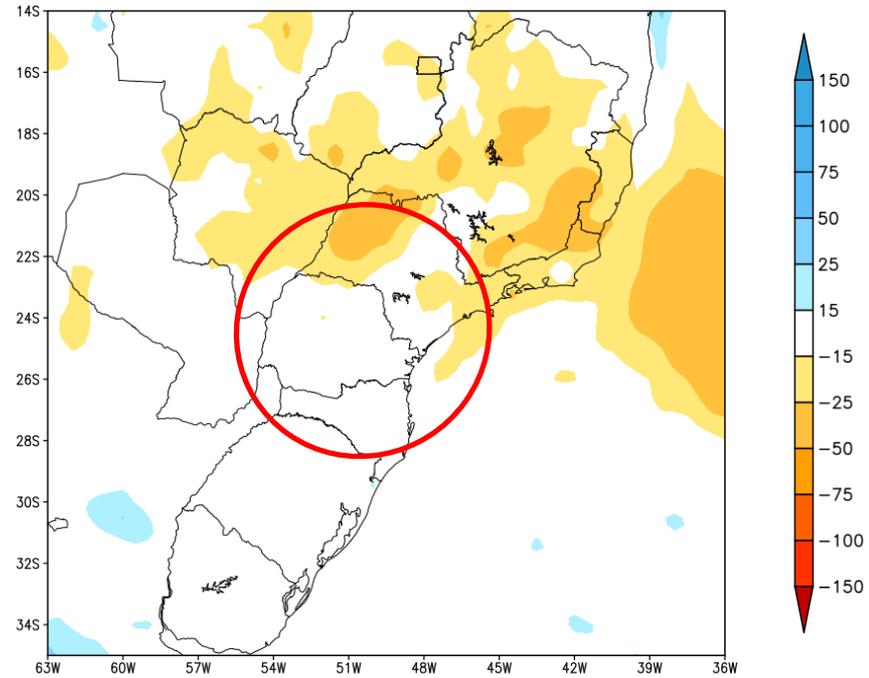


# Tendência para a 2ª Semana

GEFS / BRASIL\_SUL  
Precipitacao acumulada 2aSem (mm)  
Previsao das 00Z dia 24/02/2022

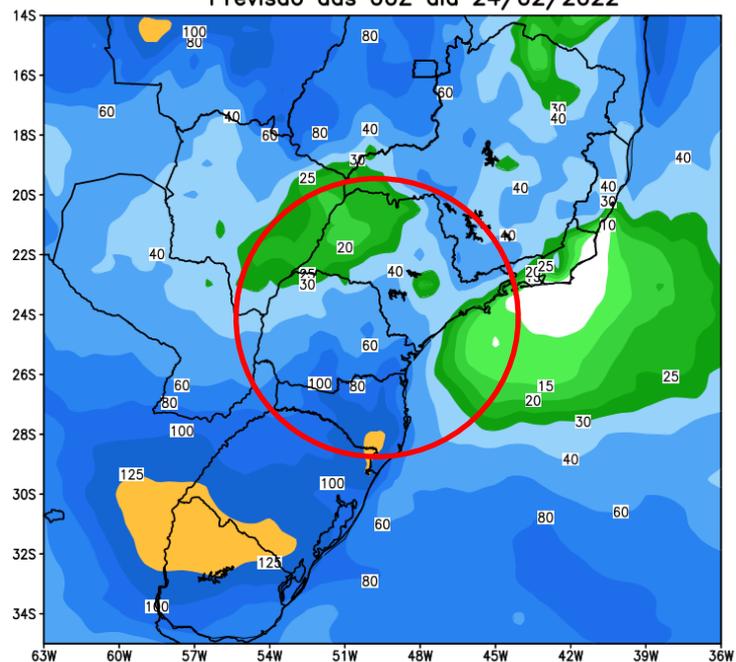


Anomalia de Precipitacao BR\_SUL (mm)  
Periodo: 2022030400 a 2022031000

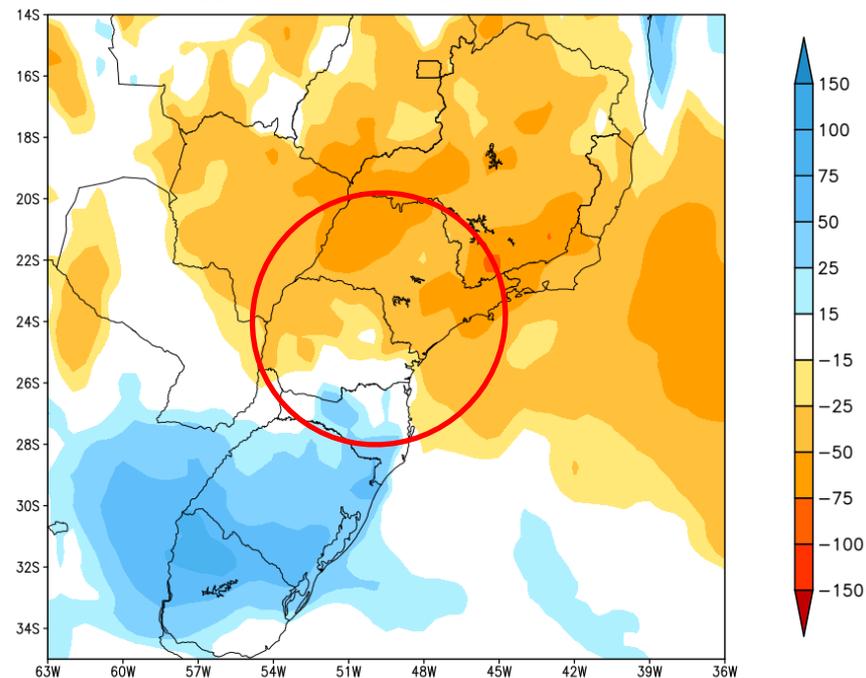


# Tendência para as duas próximas semanas

GEFS / BRASIL\_SUL  
Precipitacao acumulada 14dias (mm)  
Previsao das 00Z dia 24/02/2022

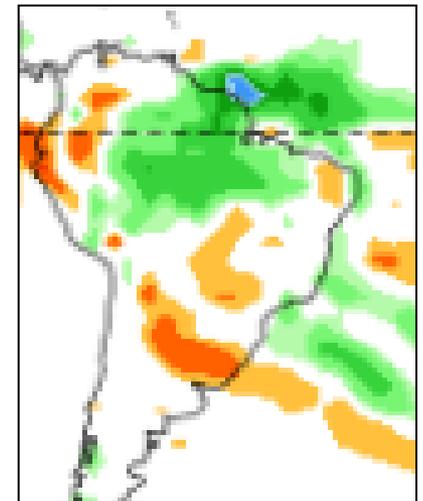
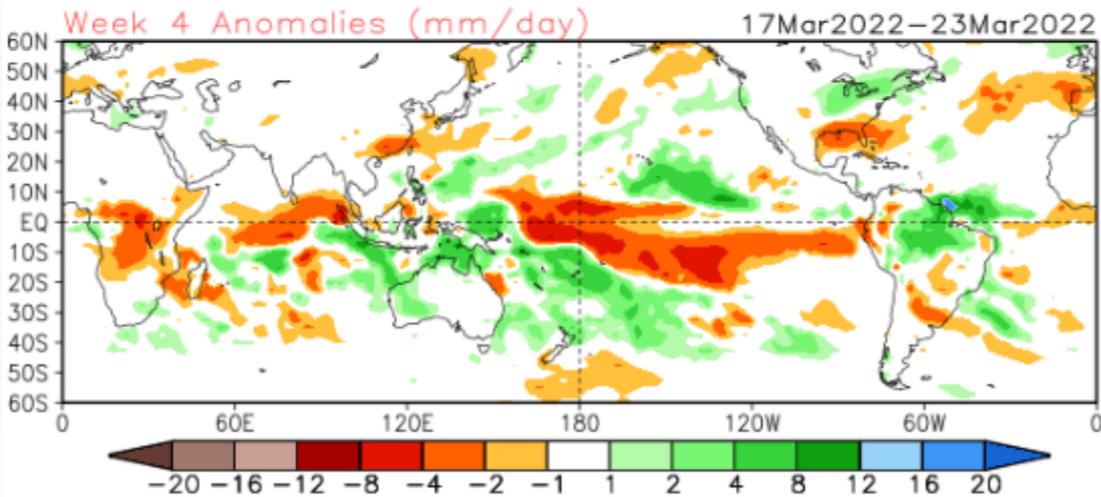
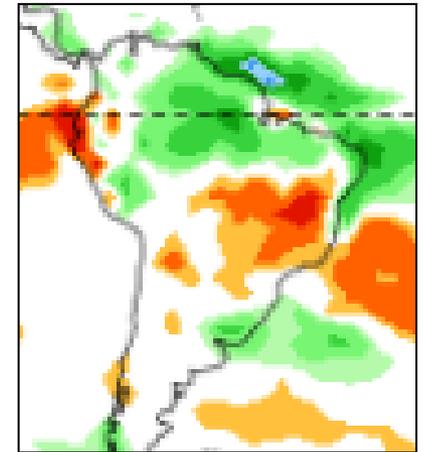
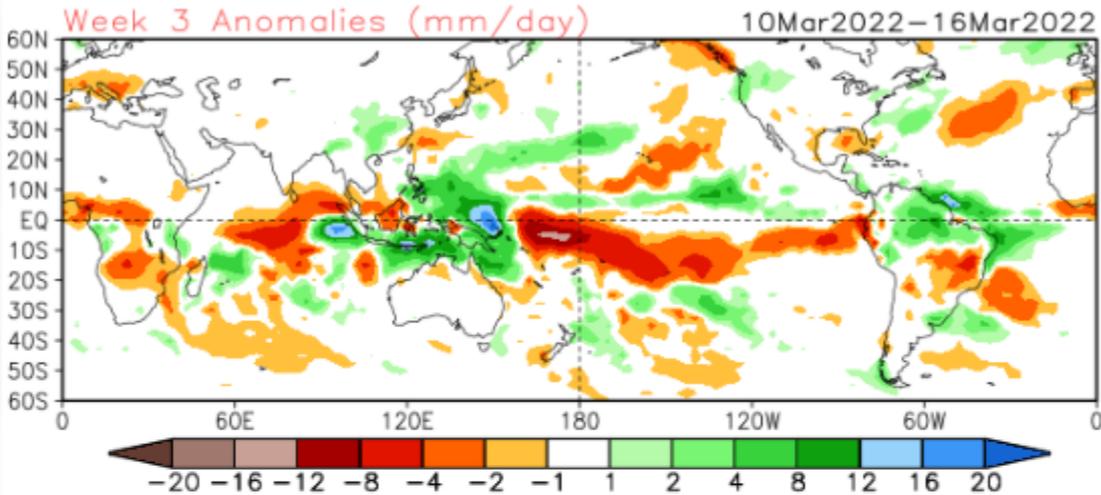


Anomalia de Precipitacao BR SUL (mm)  
Periodo: 2022022400 a 2022031000



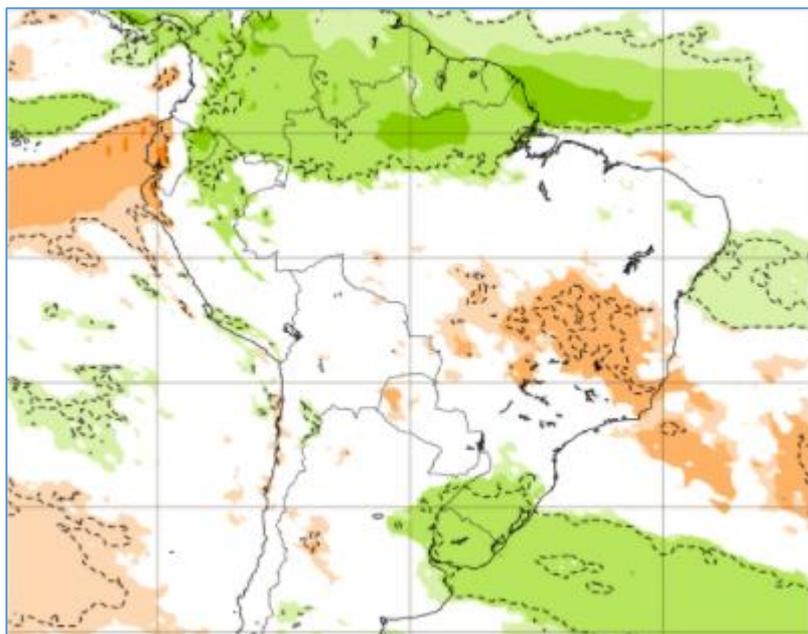
# Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 23Feb2022

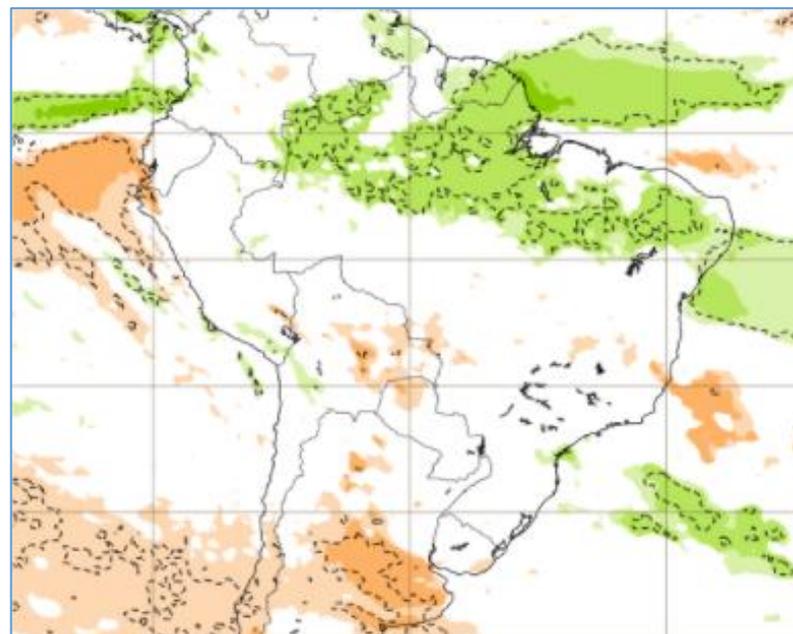


# Tendência para 3ª e 4ª semanas

07-14/03

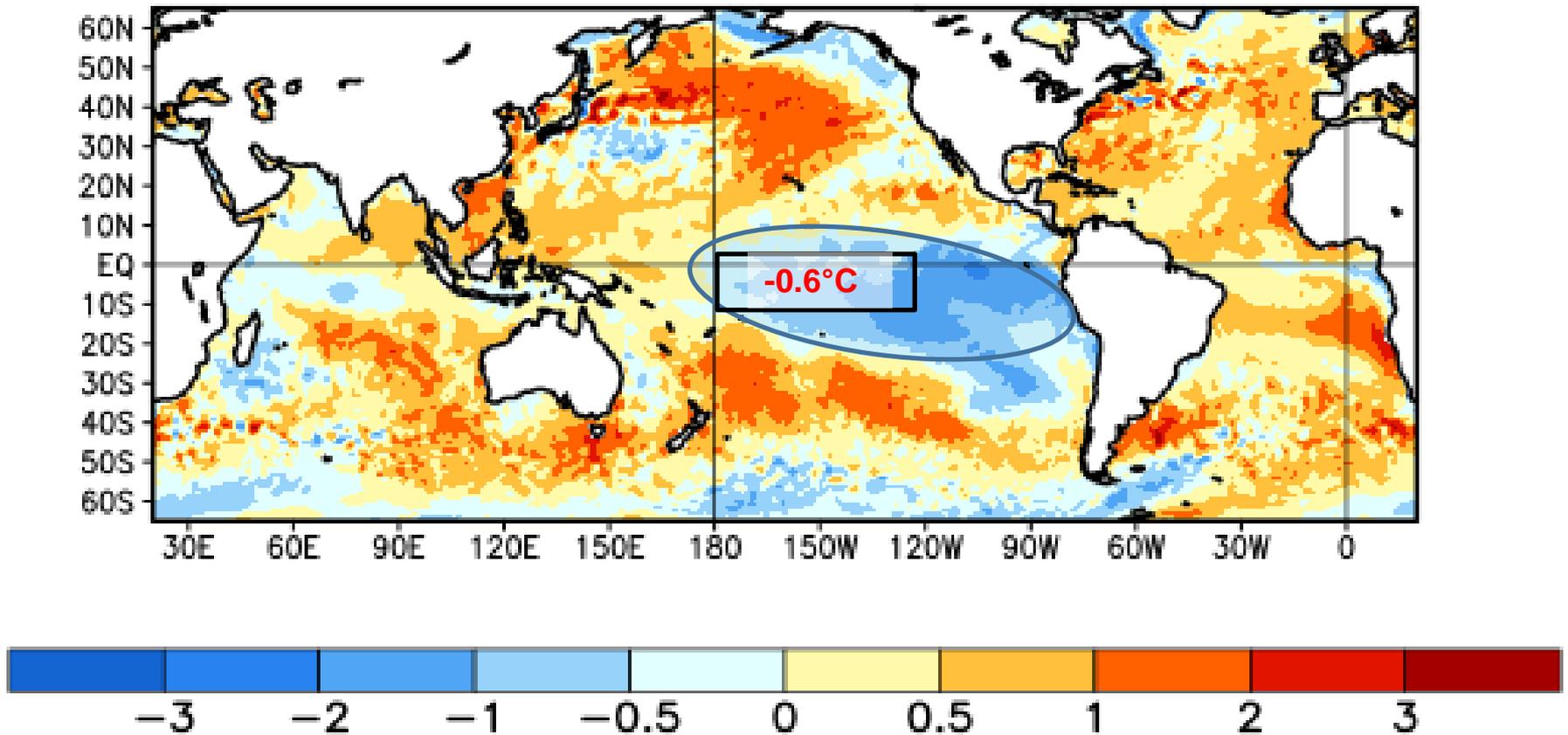


14-21/03



Status Atual: **La Niña**

## Average SST Anomalies 23 JAN 2022 – 19 FEB 2022



# Previsão sazonal de Chuva (MAM)

