

Sala de Crise da Região Sul

17 de Outubro de 2023

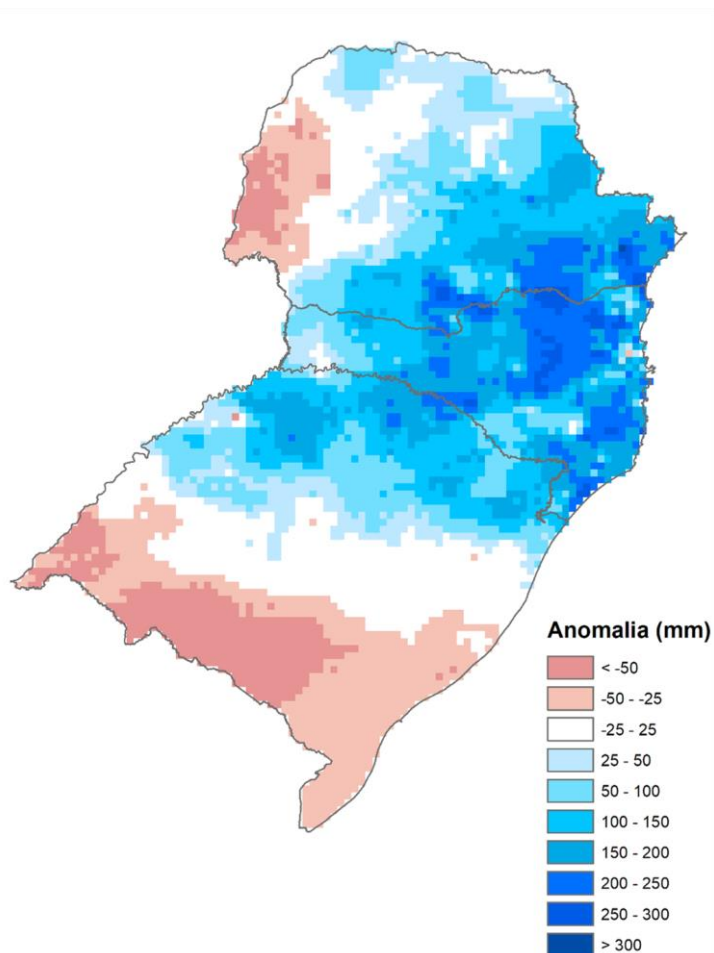


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

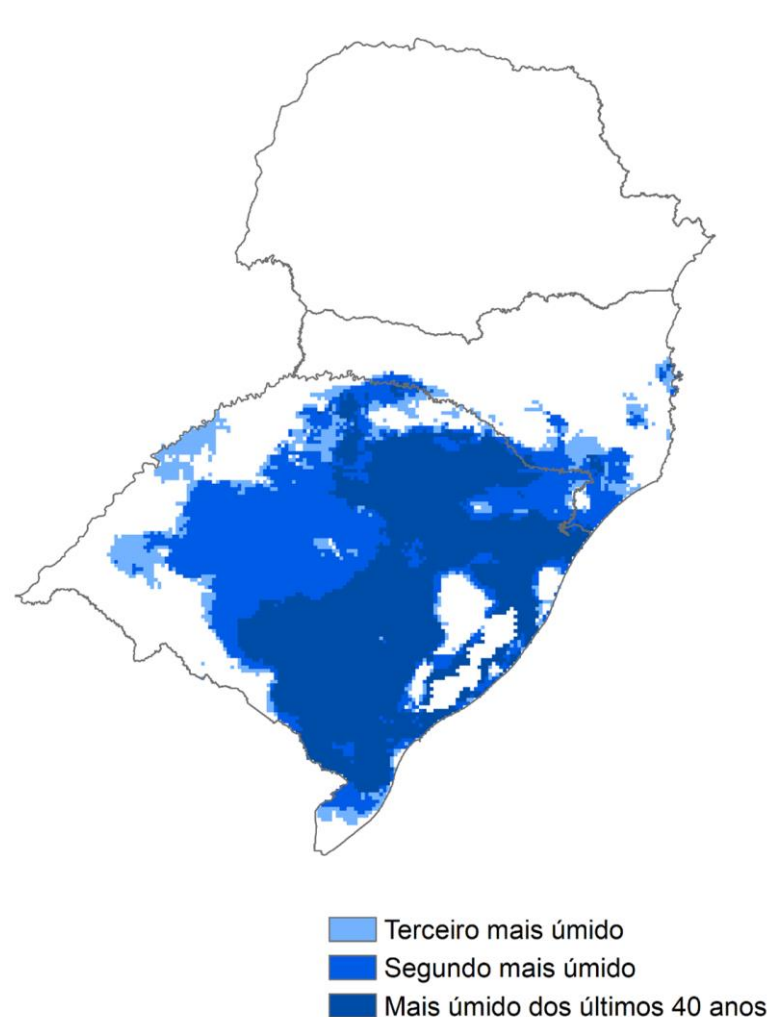


PRECIPITAÇÃO: OUTUBRO 2023

Anomalia (até 14/10)



Classificação (11/08 a 10/10)

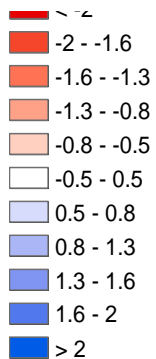
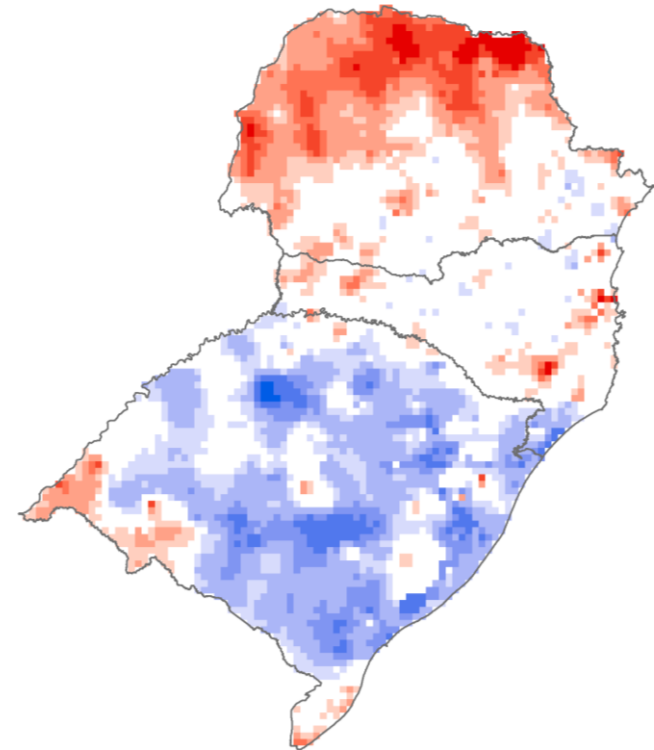
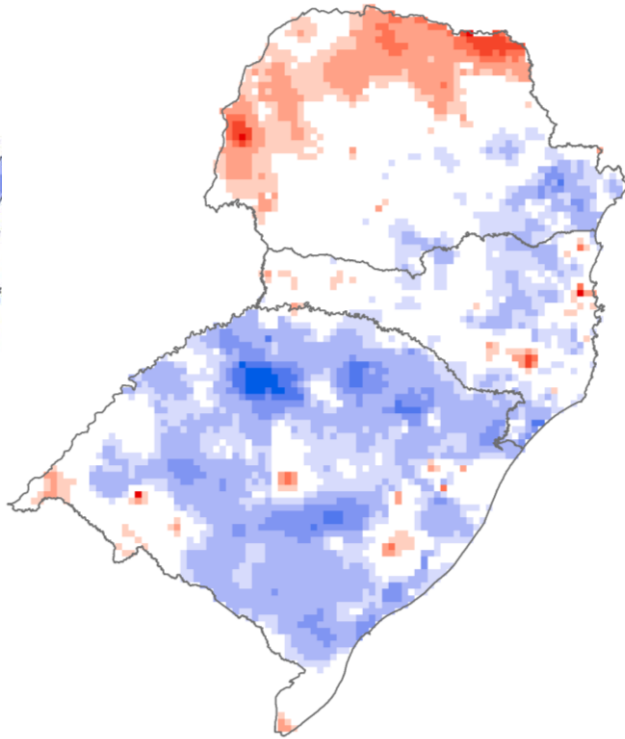
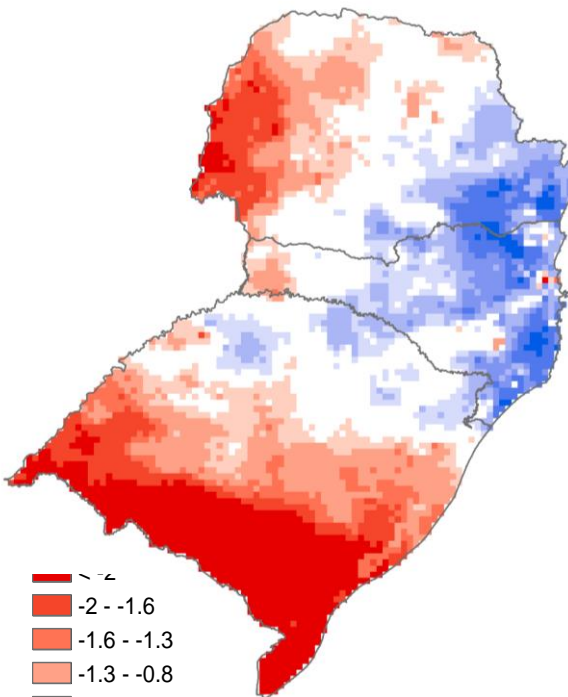


SPI: OUTUBRO 2023

SPI1 (até 14/10)

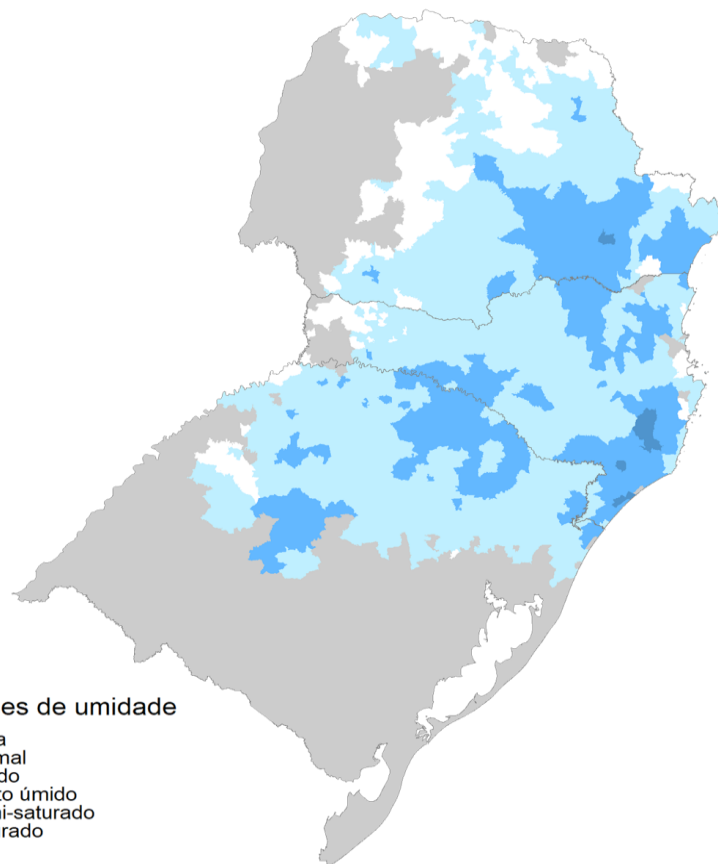
SPI3

SPI6



IARA (SPI1, SM, VHI)

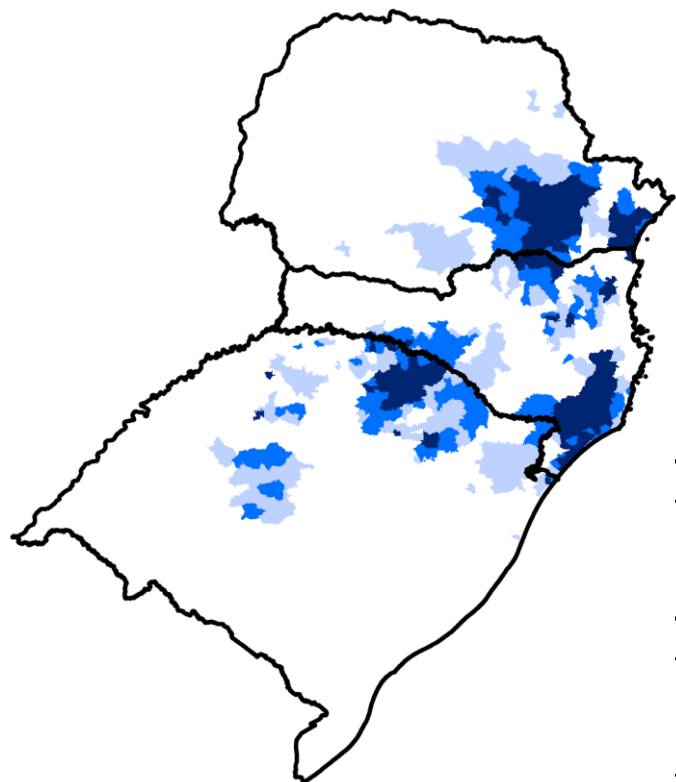
Observado: Outubro/23



ESTIMATIVA DE ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELO EXCESSO DE CHUVA

OBSERVADO: OUT/23

UF	40 a 60%	60 - 80%	> 80%
PR	18	14	20
SC	35	32	43
RS	45	33	33

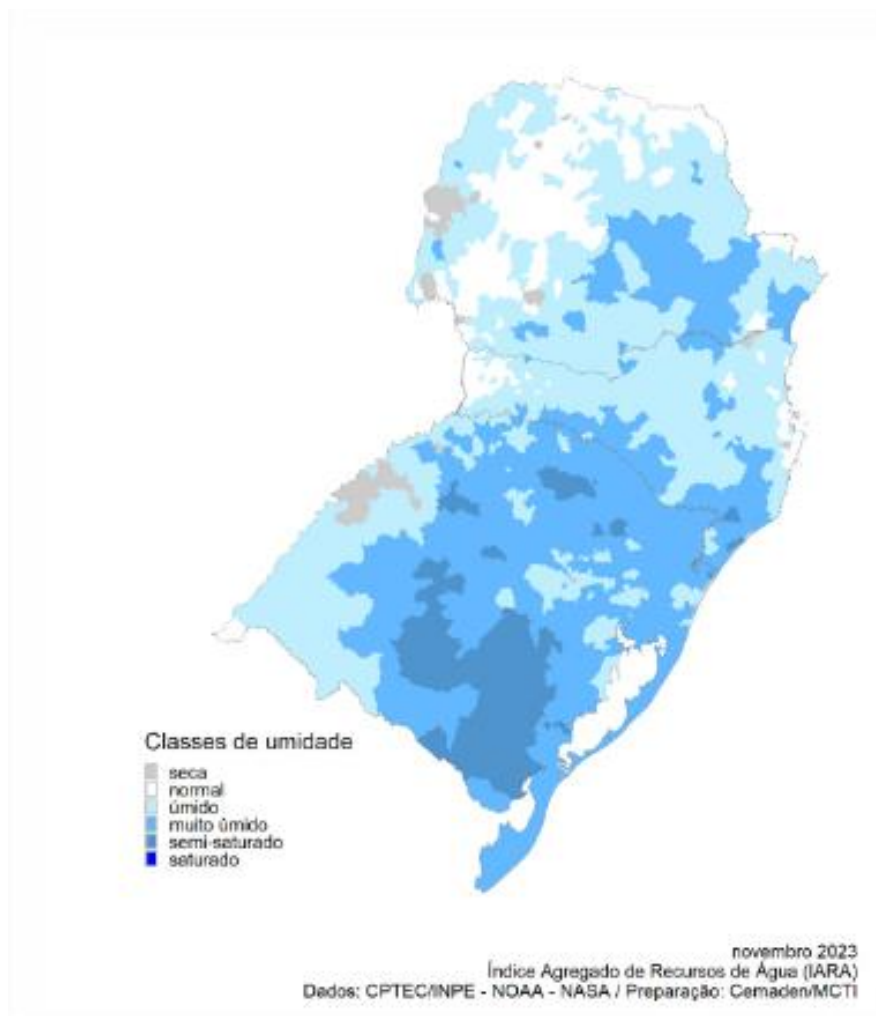


Impacto: Muito úmido à saturado.

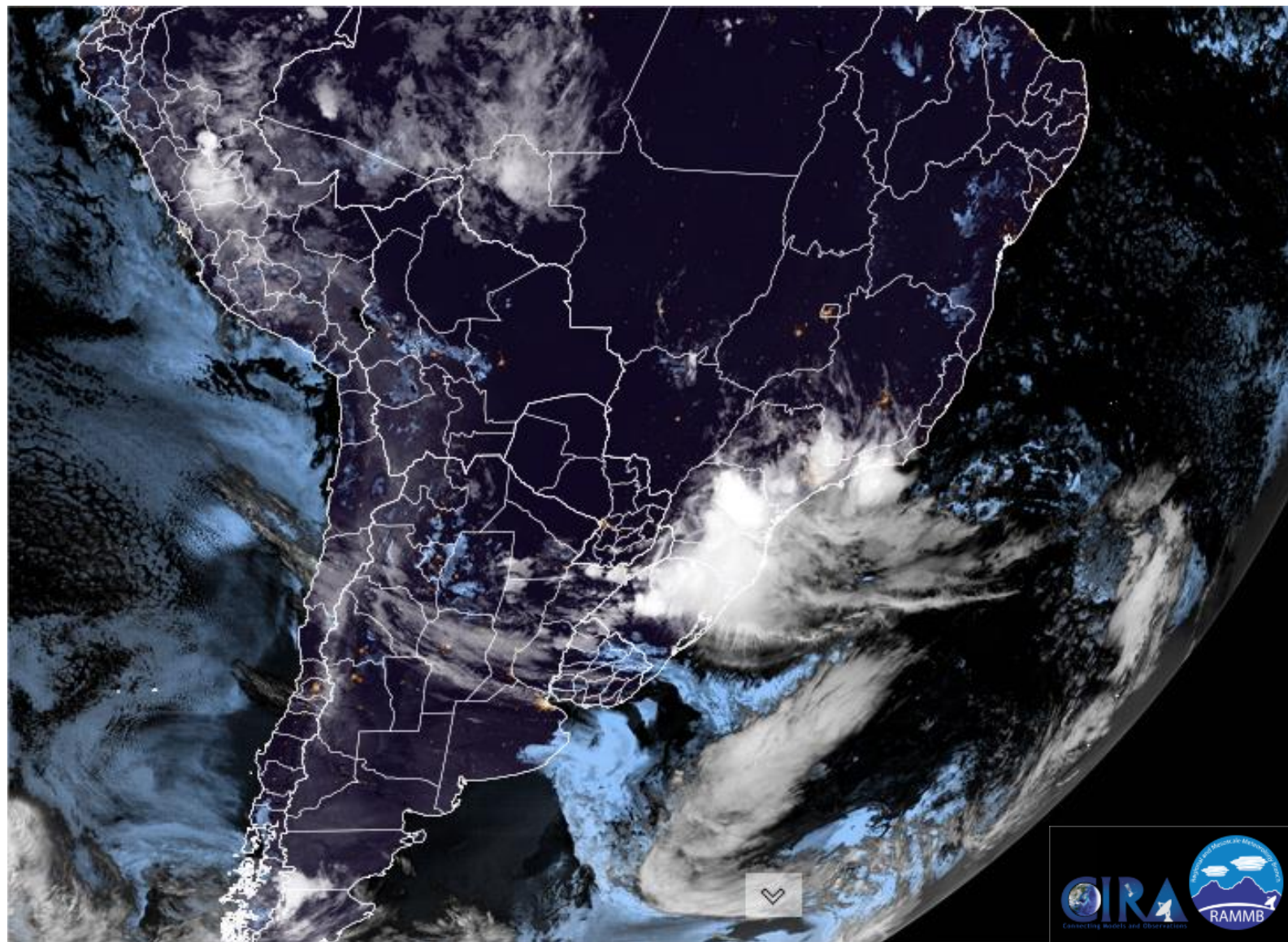
	40 a 60%	60 - 80%	> 80%	Imóveis Rurais Impactados > 40%
Paraná				
Minifundio	15196 (6%)	22842 (9%)	19839 (8%)	57877 (22%)
Pequena Propriedade	8861 (7%)	6897 (5%)	9252 (7%)	25010 (20%)
Media Propriedade	2054 (8%)	1078 (4%)	1863 (7%)	4995 (19%)
Santa Catarina				
Minifundio	28715 (12%)	32336 (14%)	40340 (17%)	101391 (44%)
Pequena Propriedade	10863 (13%)	12533 (15%)	12533 (17%)	37711 (46%)
Media Propriedade	1309 (13%)	1482 (15%)	1090 (11%)	3881 (39%)
Rio Grande do Sul				
Minifundio	32754 (9%)	19918 (5%)	18625 (5%)	71297 (19%)
Pequena Propriedade	2771 (10%)	1804 (8%)	474 (6%)	32348 (23%)
Media Propriedade	2771 (11%)	1804 (7%)	474 (2%)	5049 (20%)

IARA (SPI3, SM, VHI - OUT - NOV)

Cenário: Novembro/23

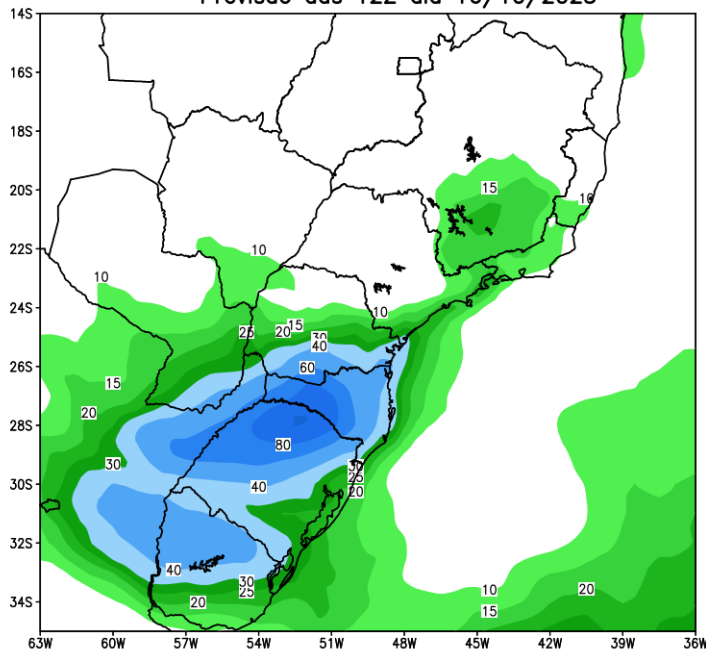


Situação meteorológica atual

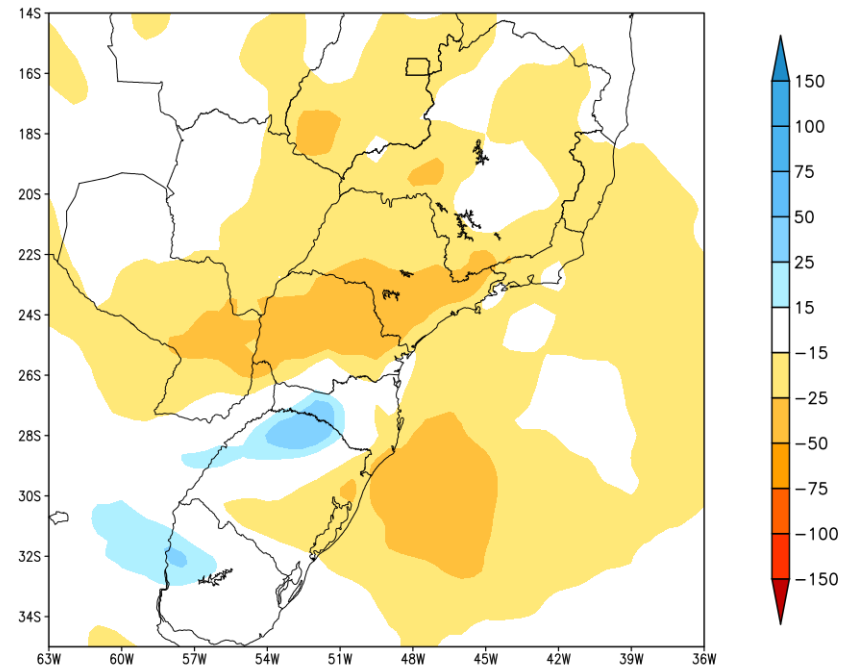


Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 12Z dia 16/10/2023



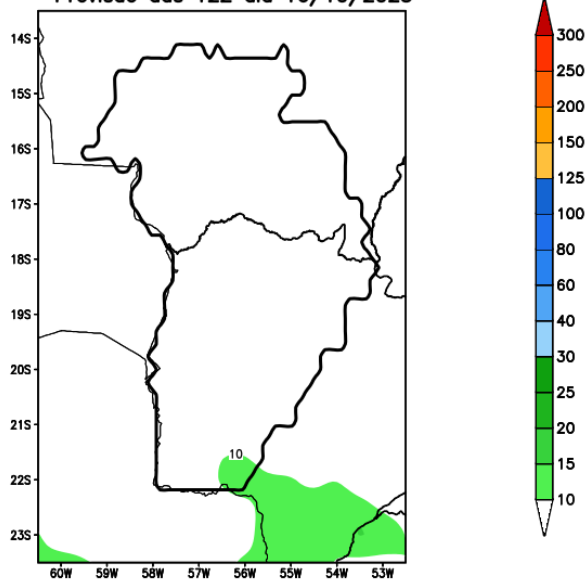
Anomalia de Precipitacao BR SUL (mm)
Periodo: 2023101612 a 2023102312



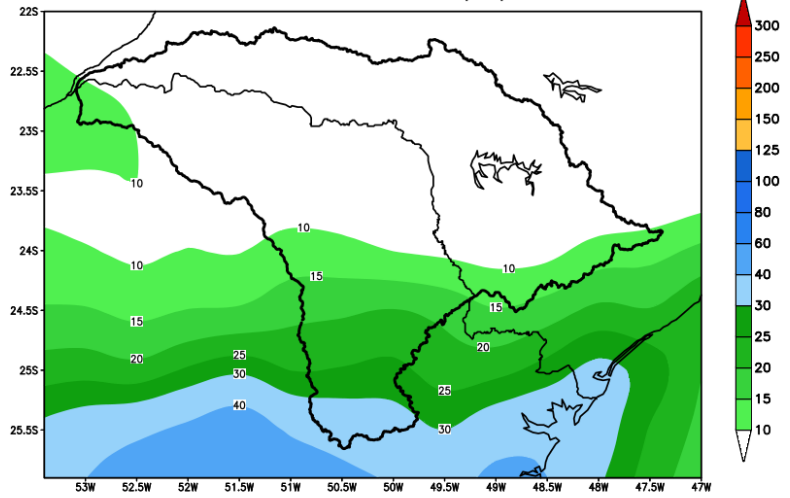
MODELO GFS

Previsão para as principais bacias

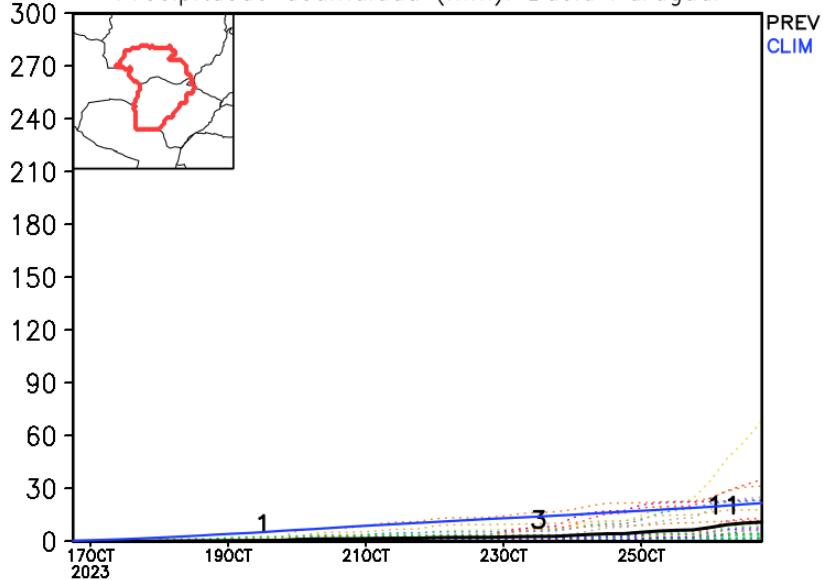
GEFS / Bacia do Rio Paraguai
Precipitação acumulada em 7 dias (mm)
Previsão das 12Z dia 16/10/2023



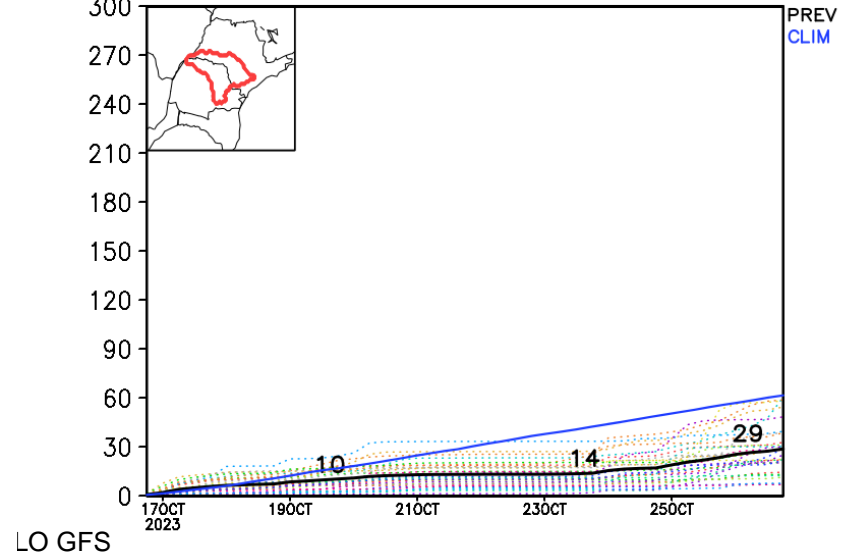
GEFS / Bacia do Rio Paranapanema
Precipitação acumulada em 7 dias (mm)
Previsão das 12Z dia 16/10/2023



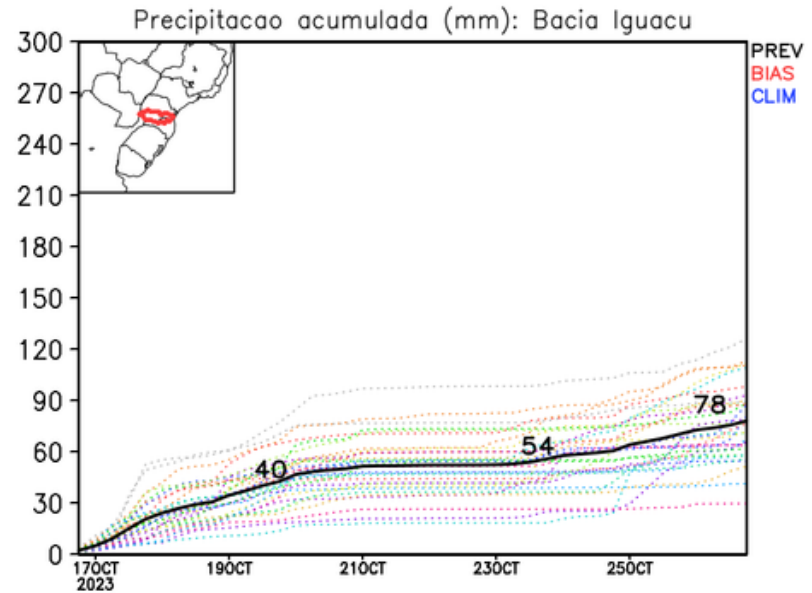
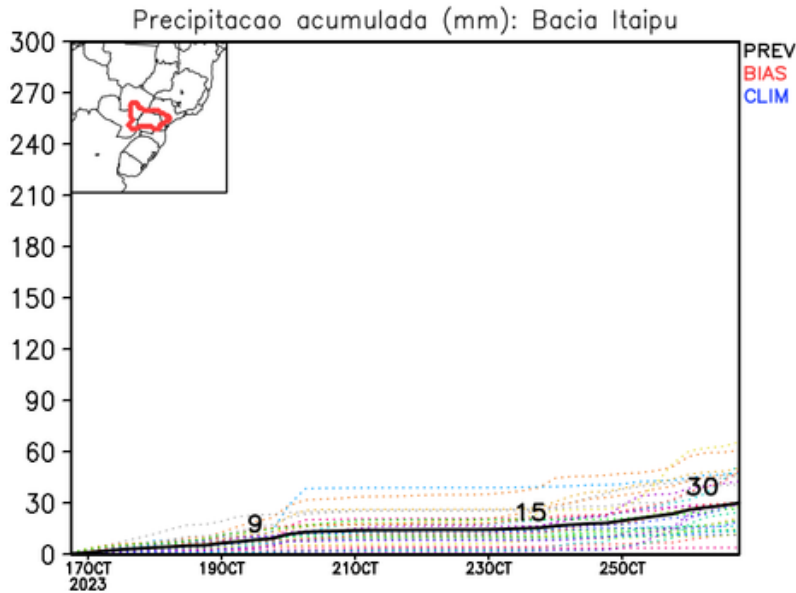
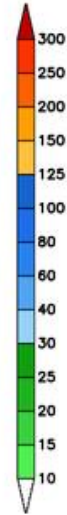
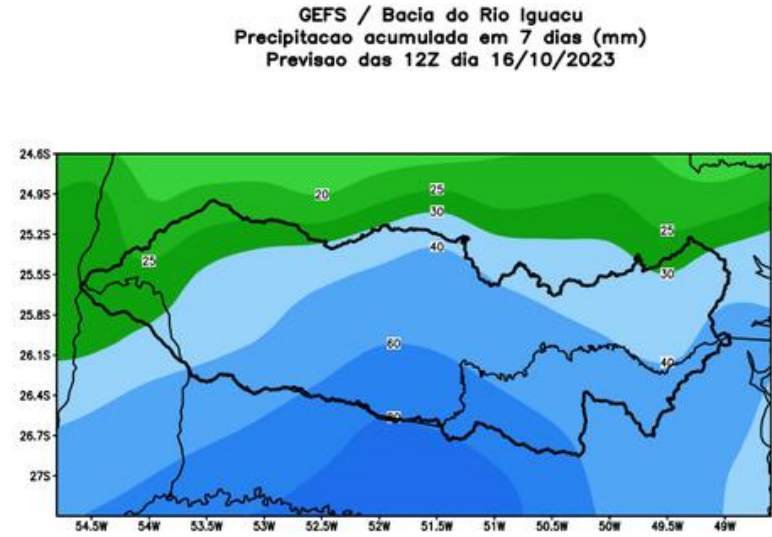
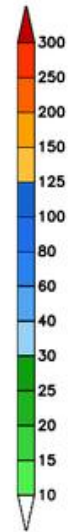
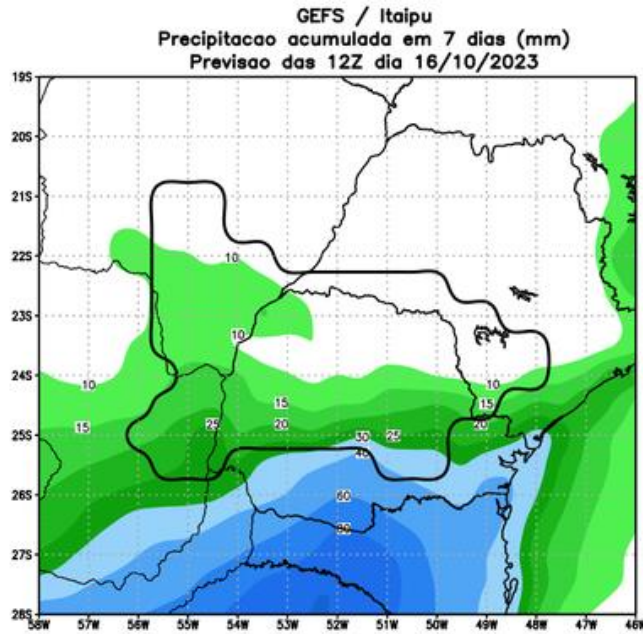
Precipitação acumulada (mm): Bacia Paraguai



Precipitação acumulada (mm): Bacia Paranapanema

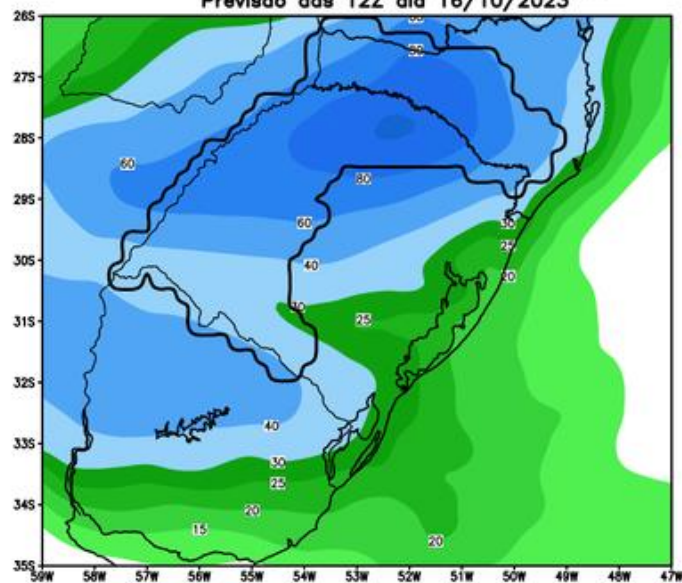


Previsão para as principais bacias

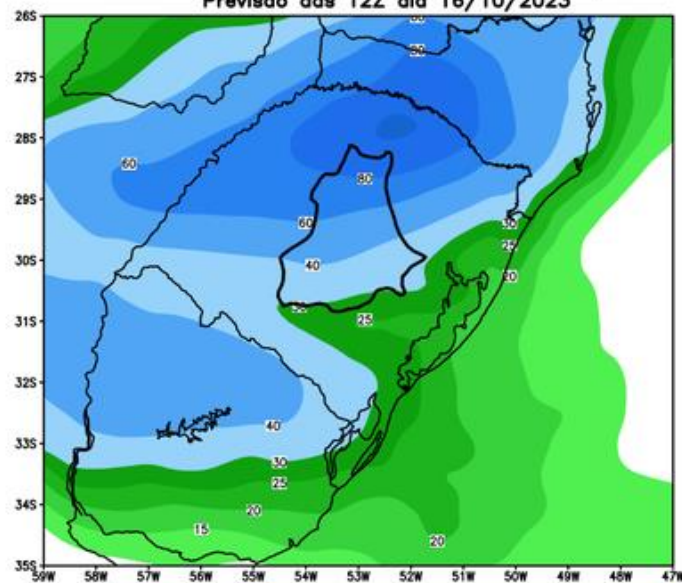


Previsão para as principais bacias

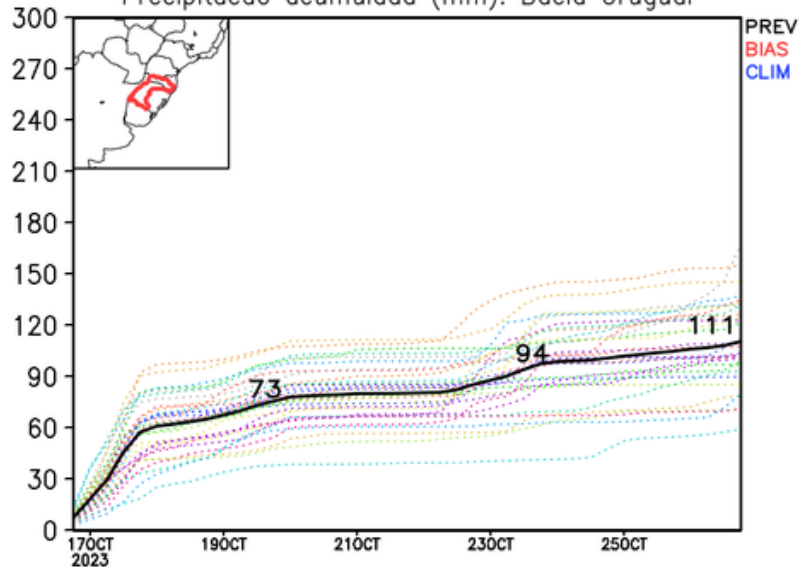
GEFS / Bacia do Rio Uruguai
Precipitacao acumulada em 7 dias (mm)
Previsao das 12Z dia 16/10/2023



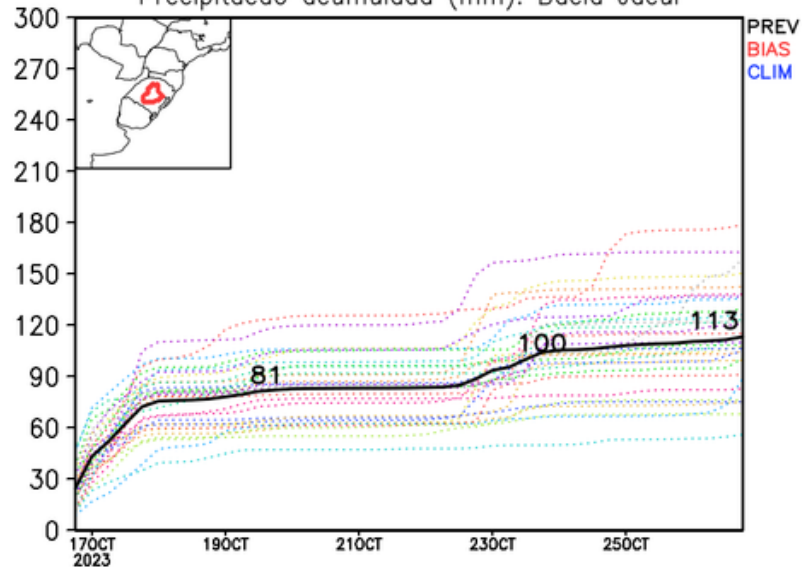
GEFS / Bacia do Rio Jacui
Precipitacao acumulada em 7 dias (mm)
Previsao das 12Z dia 16/10/2023



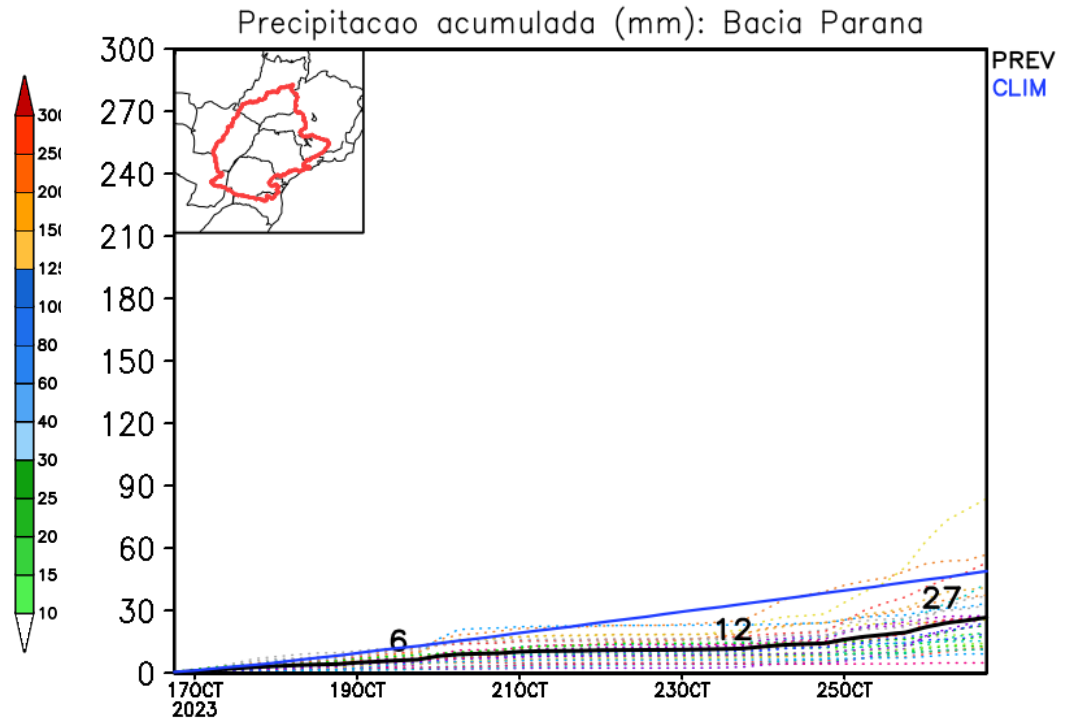
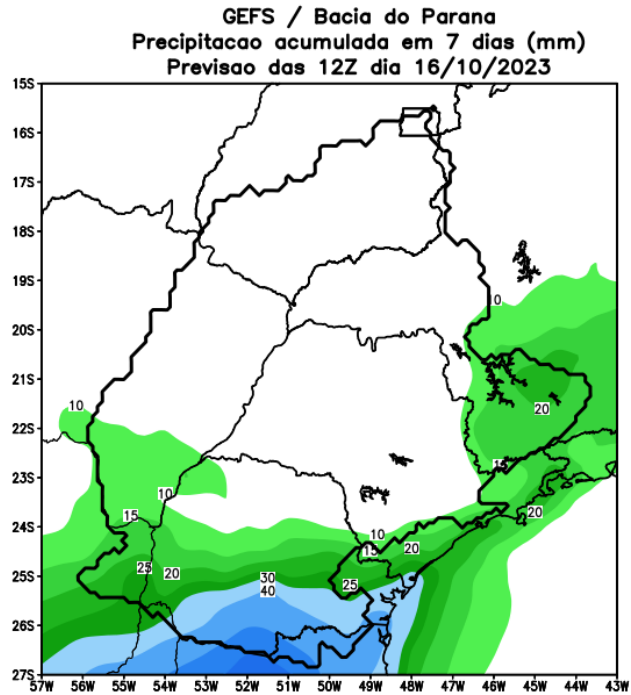
Precipitacao acumulada (mm): Bacia Uruguai



Precipitacao acumulada (mm): Bacia Jacui

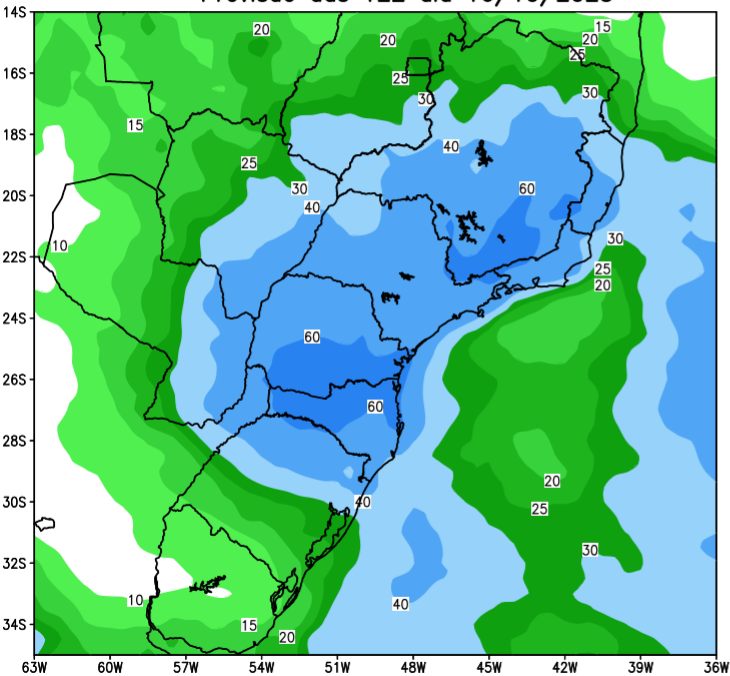


Previsão para as principais bacias

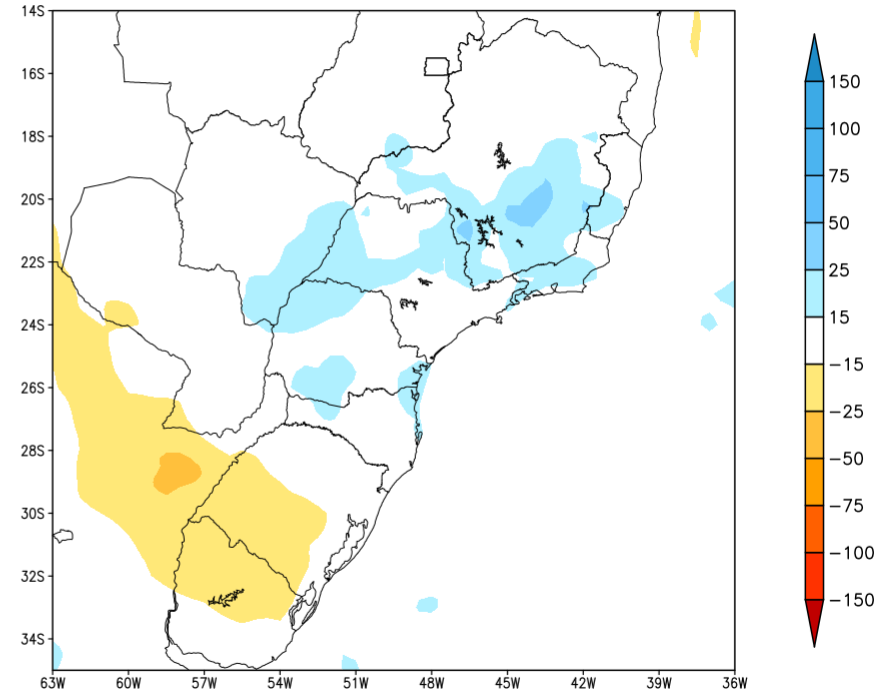


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 12Z dia 16/10/2023



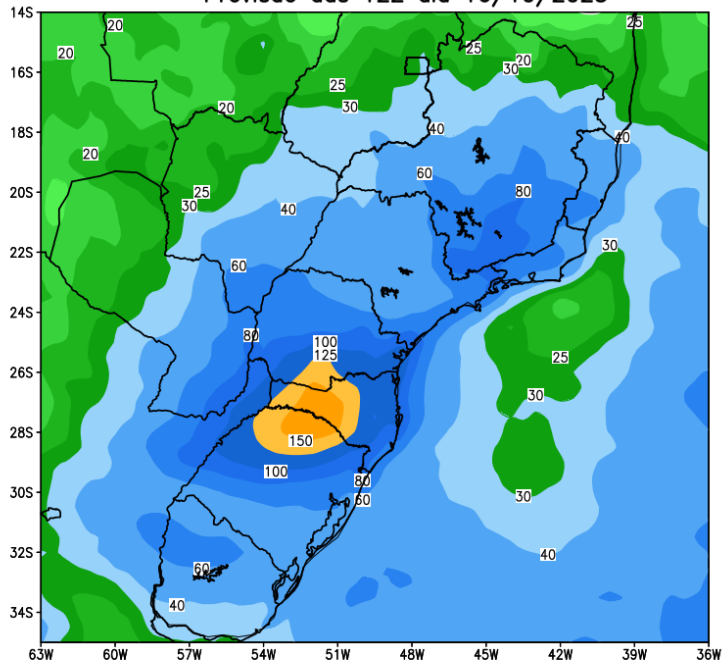
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023102412 a 2023103012



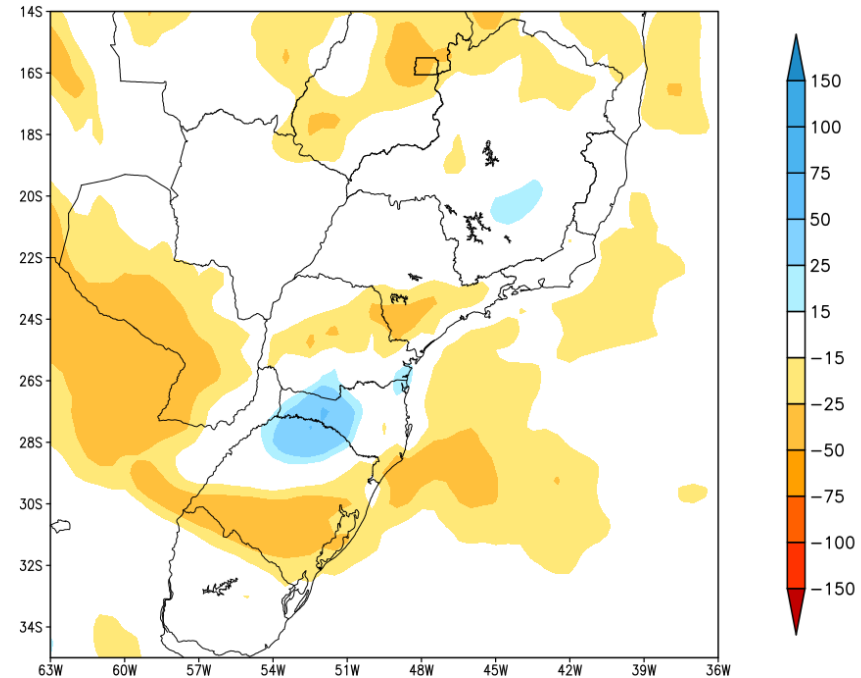
MODELO GFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitação acumulada 14 dias (mm)
Previsão das 12Z dia 16/10/2023

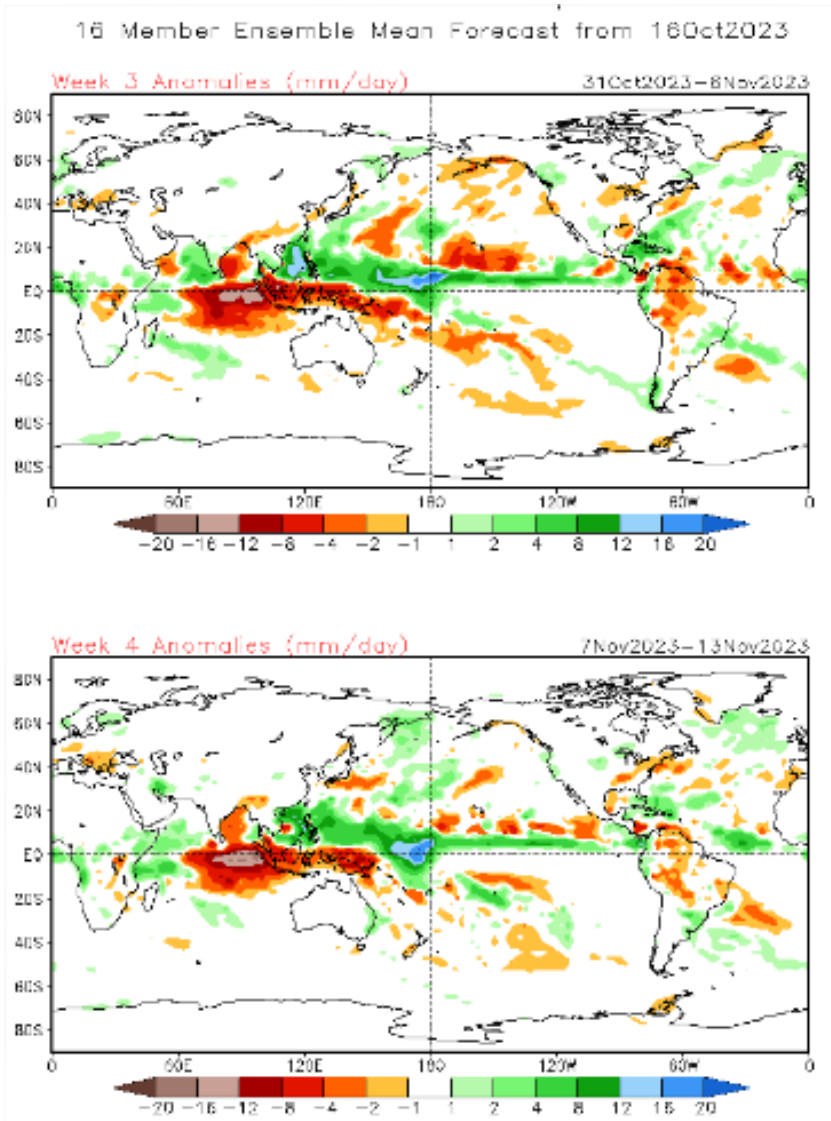


Anomalia de Precipitação BR_SUL (mm)
Período: 2023101612 a 2023103012

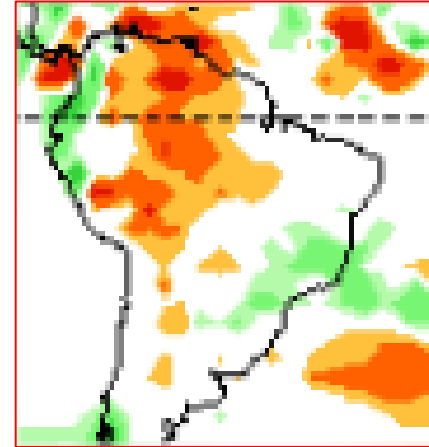


MODELO GFS

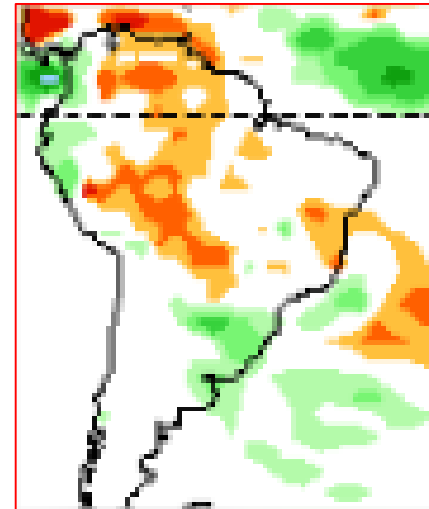
Tendência 3a e 4a semanas



31/10-06/11



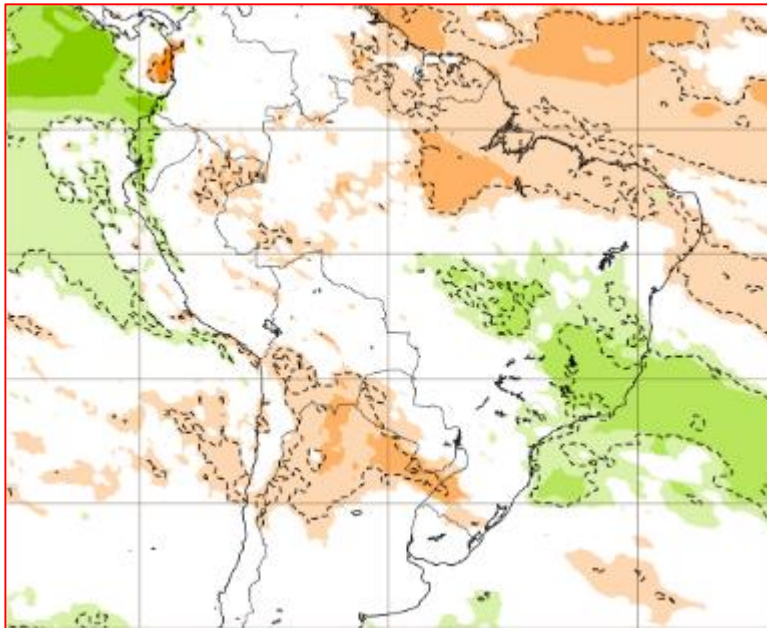
07-13/11



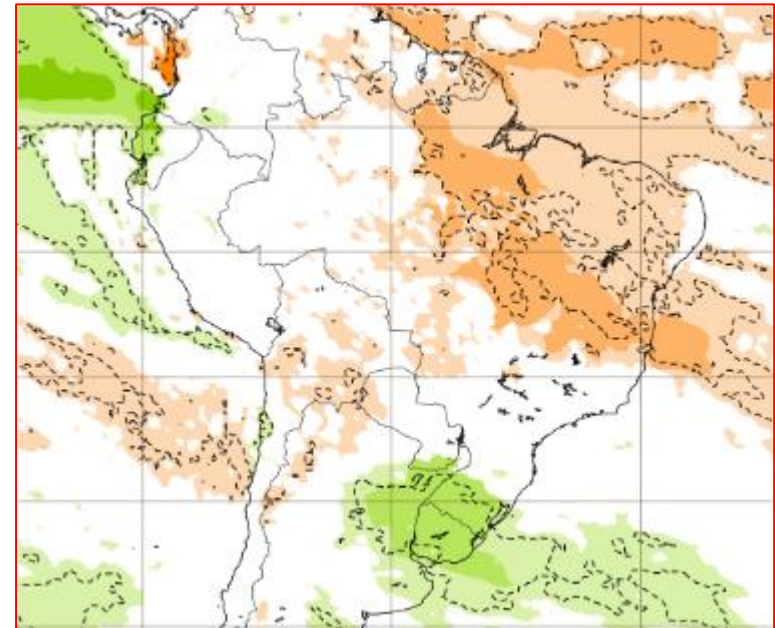


Tendência para 3^a e 4^a semanas

30 OUT-06 NOV

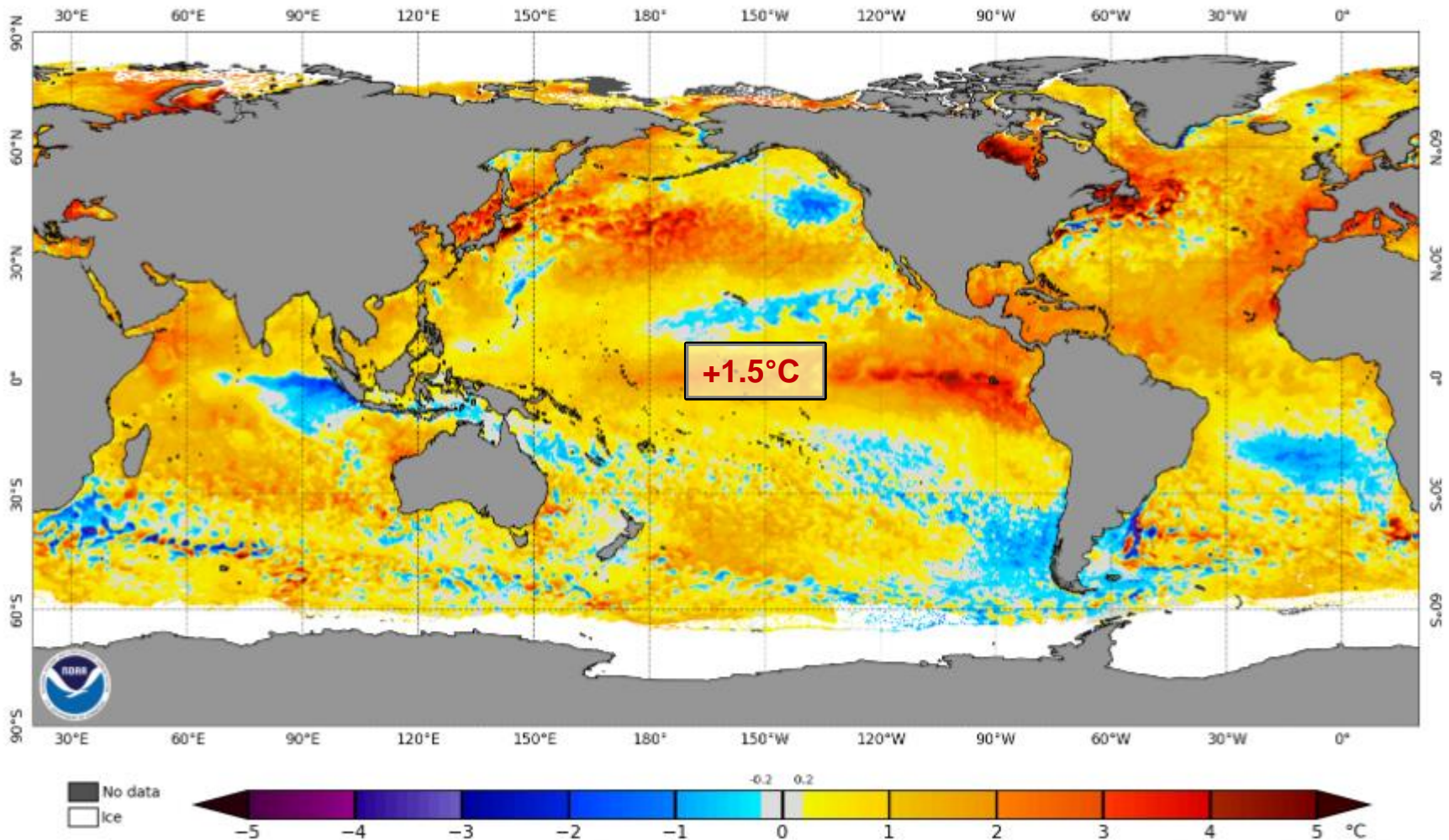


06-13 NOVEMBRO

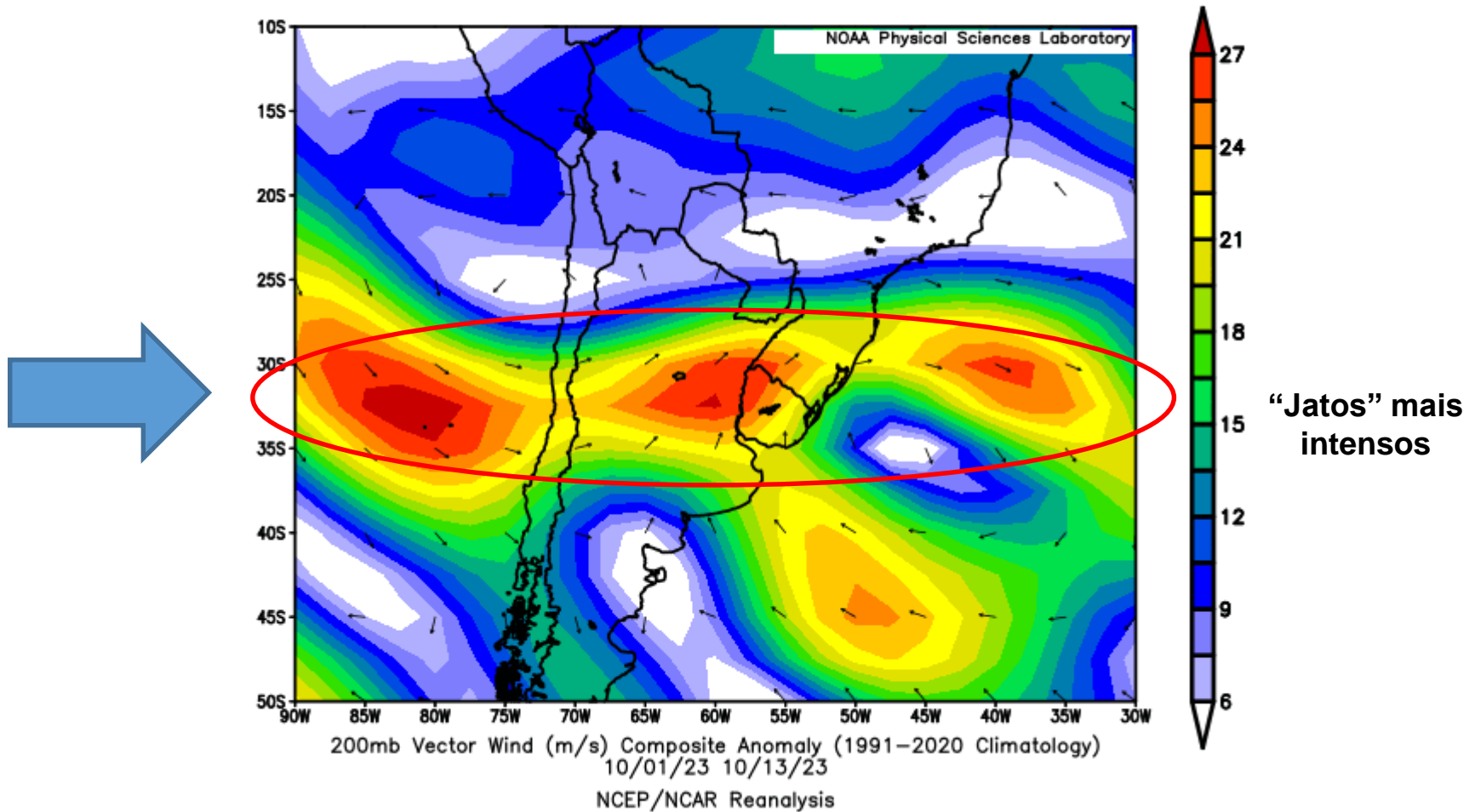


Status Atual: **El Niño**

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 15 Oct 2023



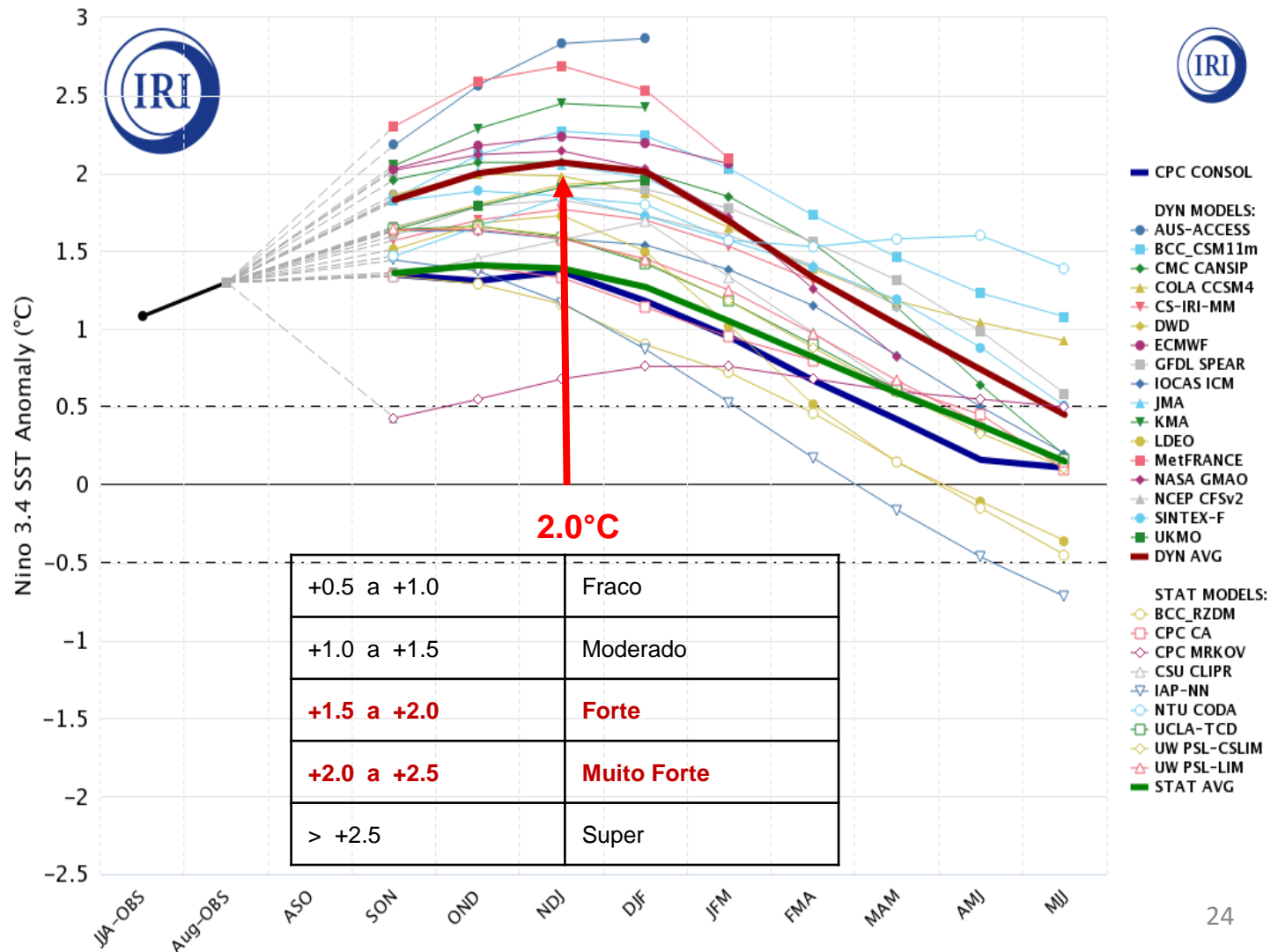
Vinculação dos extremos de chuva com o fenômeno do El Niño



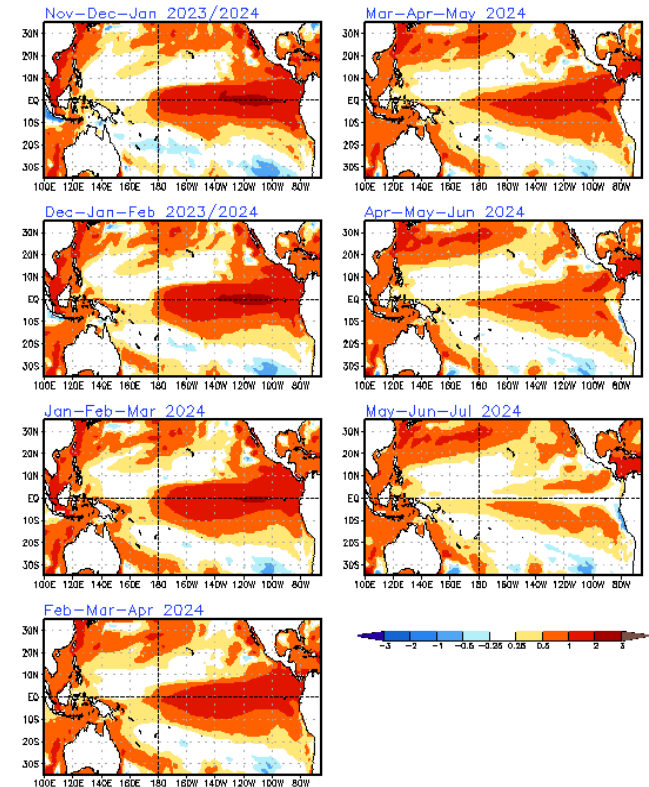
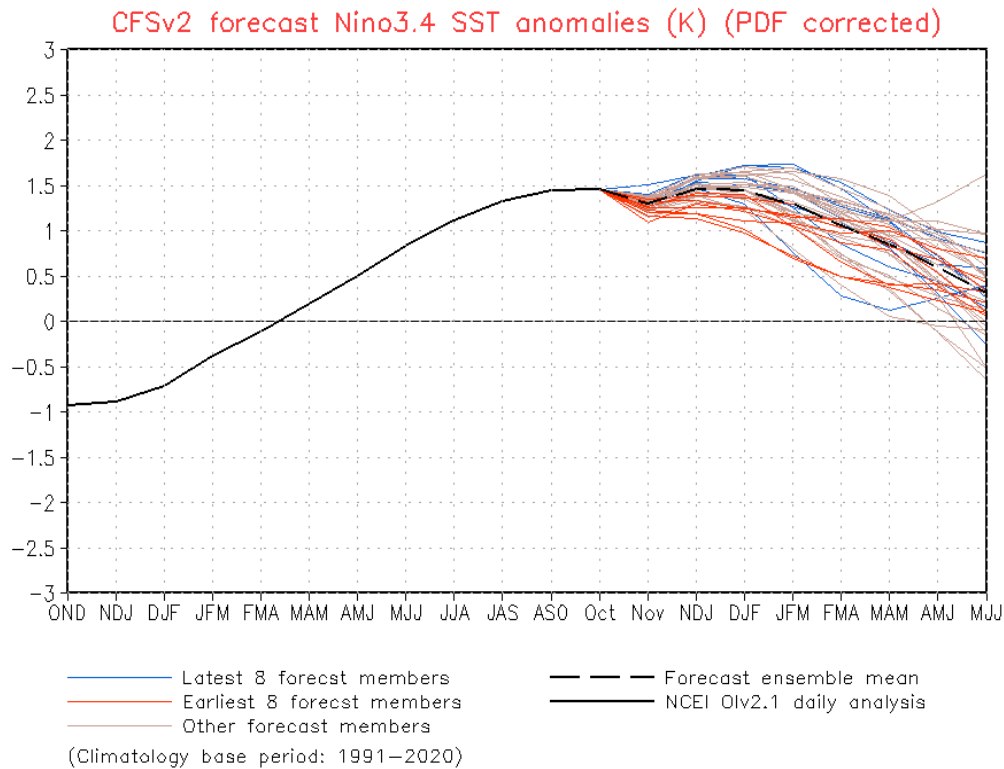
Previsão do “ENSO”

Forte/Muito Forte

Model Predictions of ENSO from Sep 2023

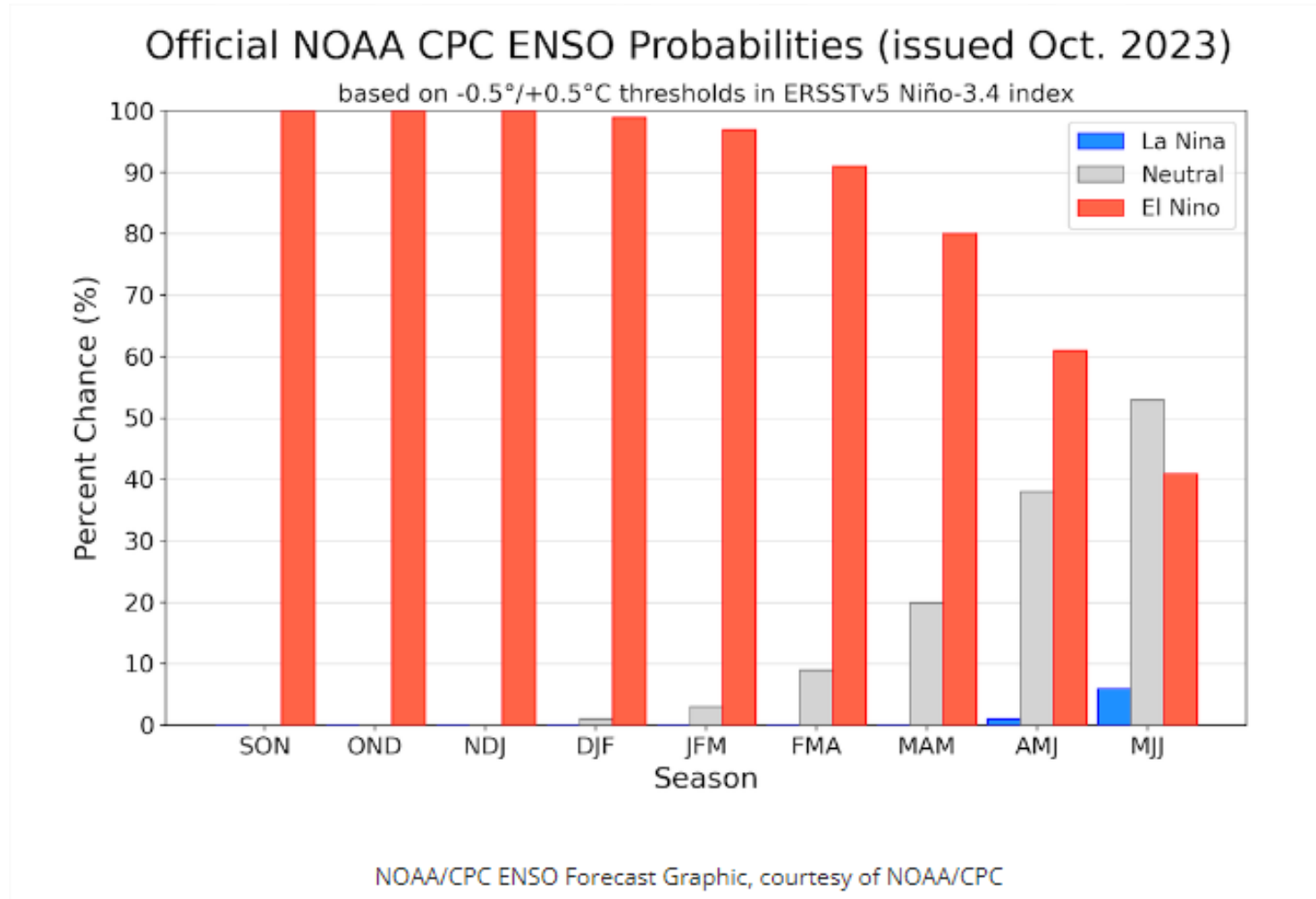


Previsão do “ENSO”

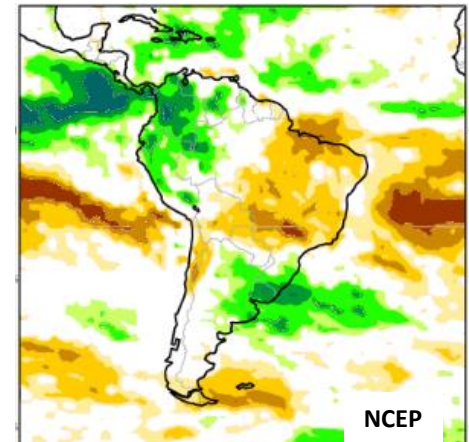
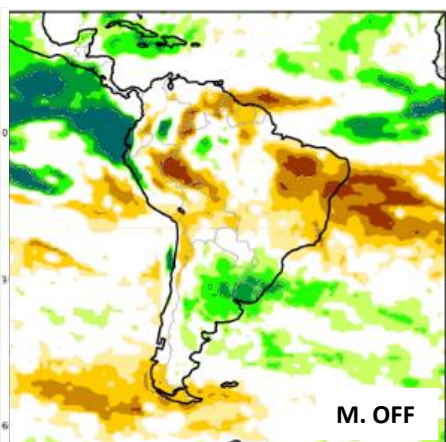
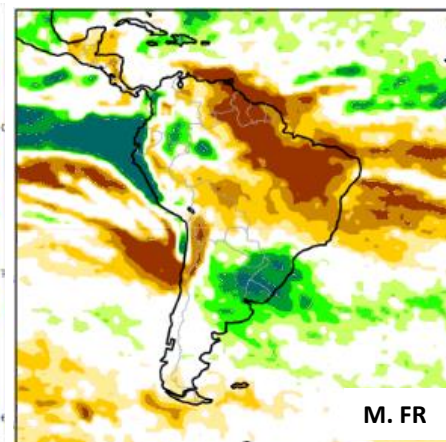
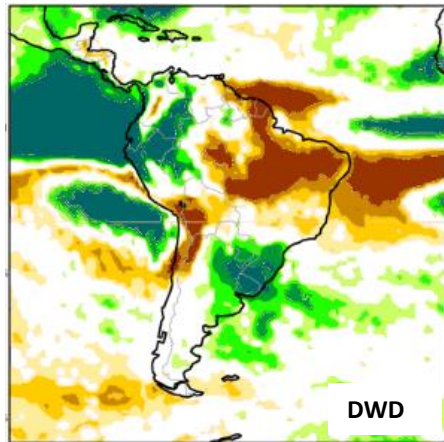
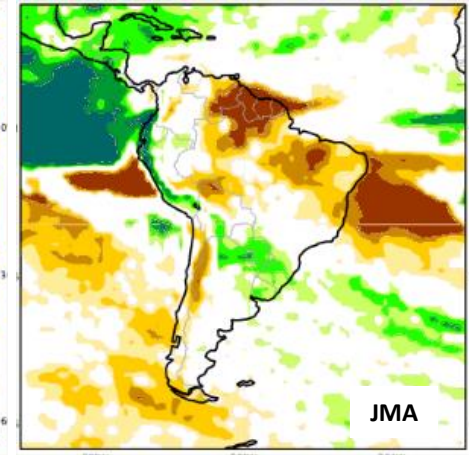
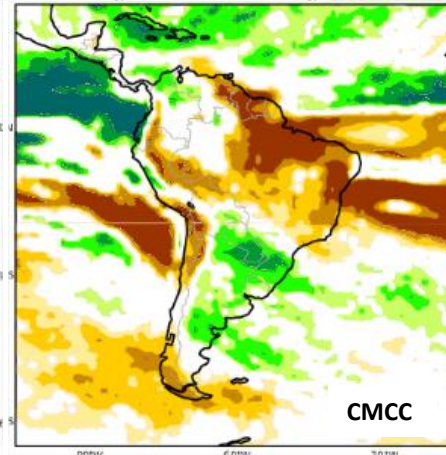
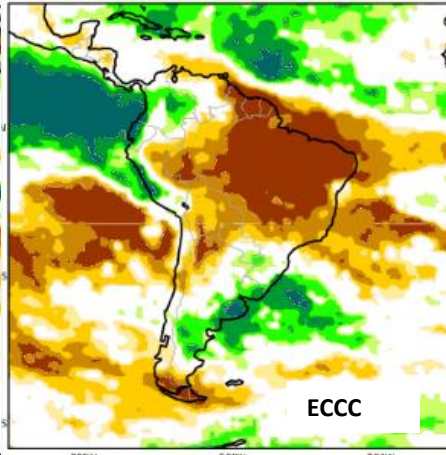
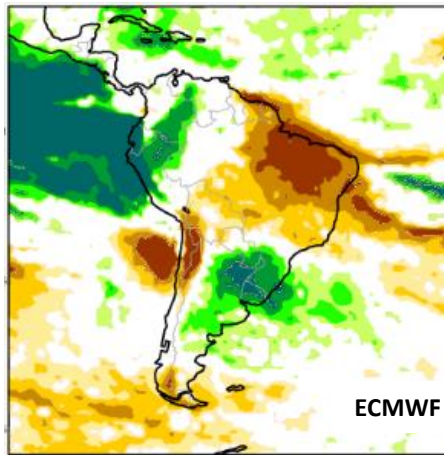




Previsão do “ENSO”

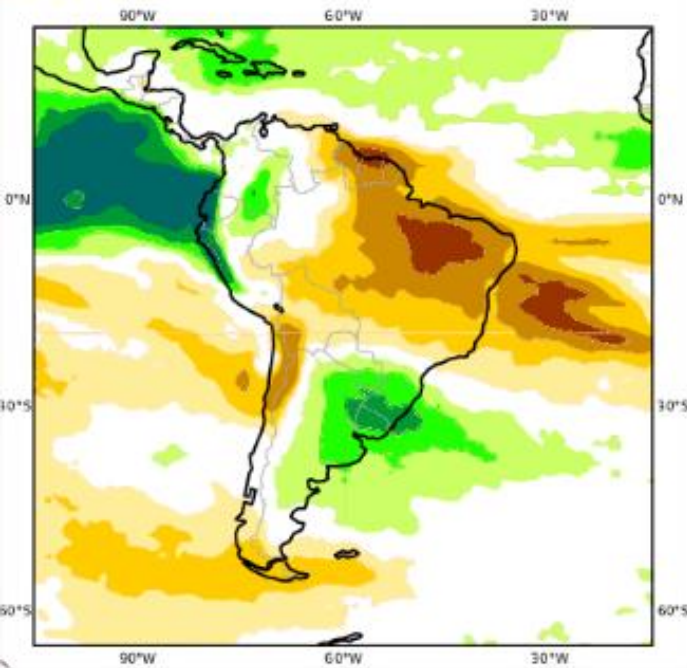


Previsão Sazonal de Chuva NDJ

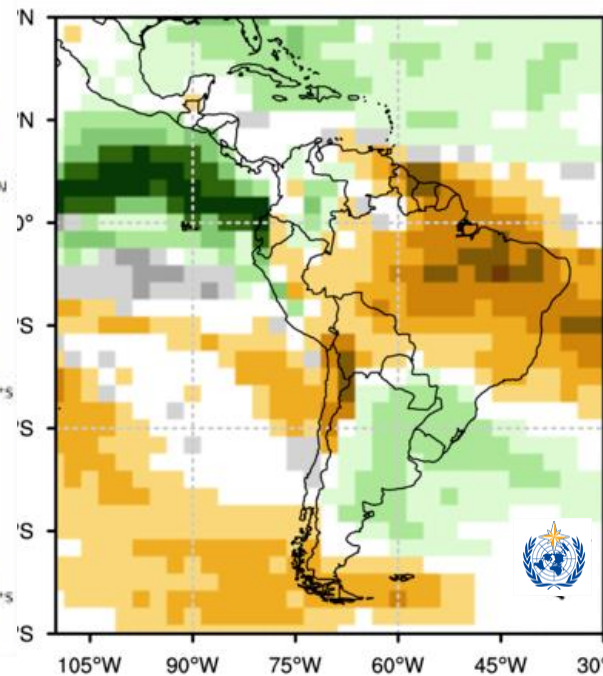


Previsão Sazonal de Chuva Multi-Modelo NDJ

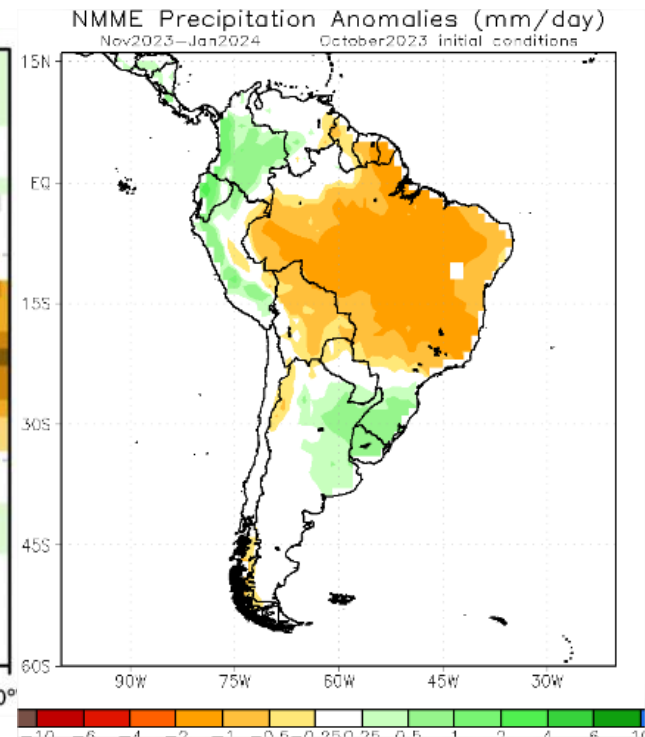
C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/10/23
Unweighted mean



Modelos Europeus



Modelos da Organização Meteorológica Mundial



Modelos Americanos