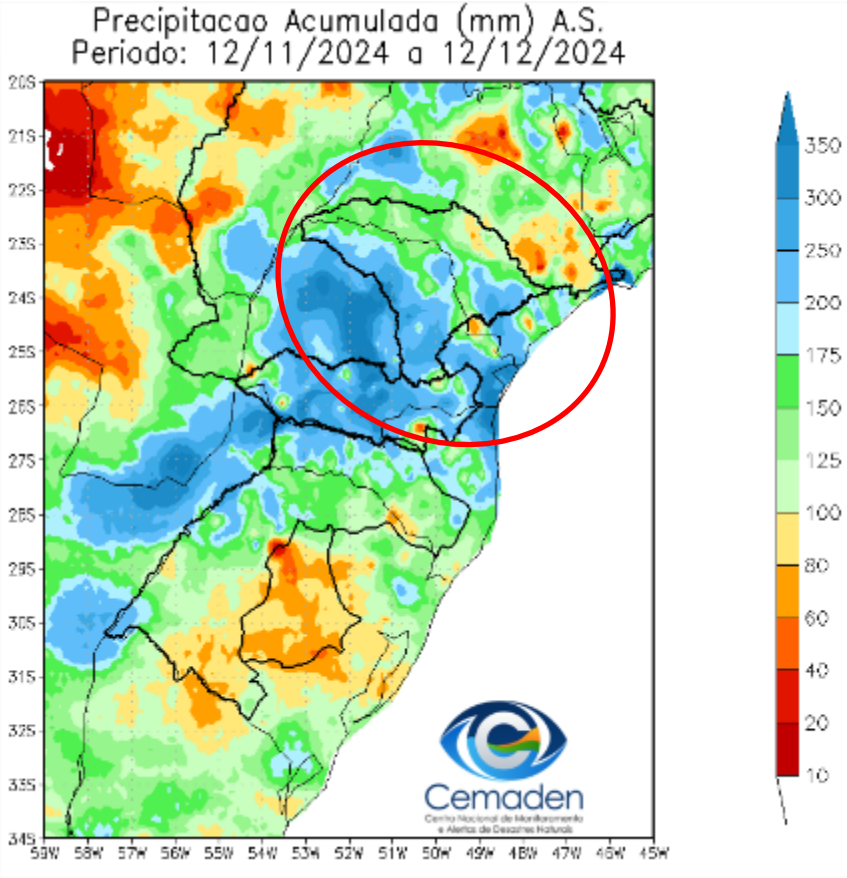
Monitoramento da bacia do rio Paranapanema

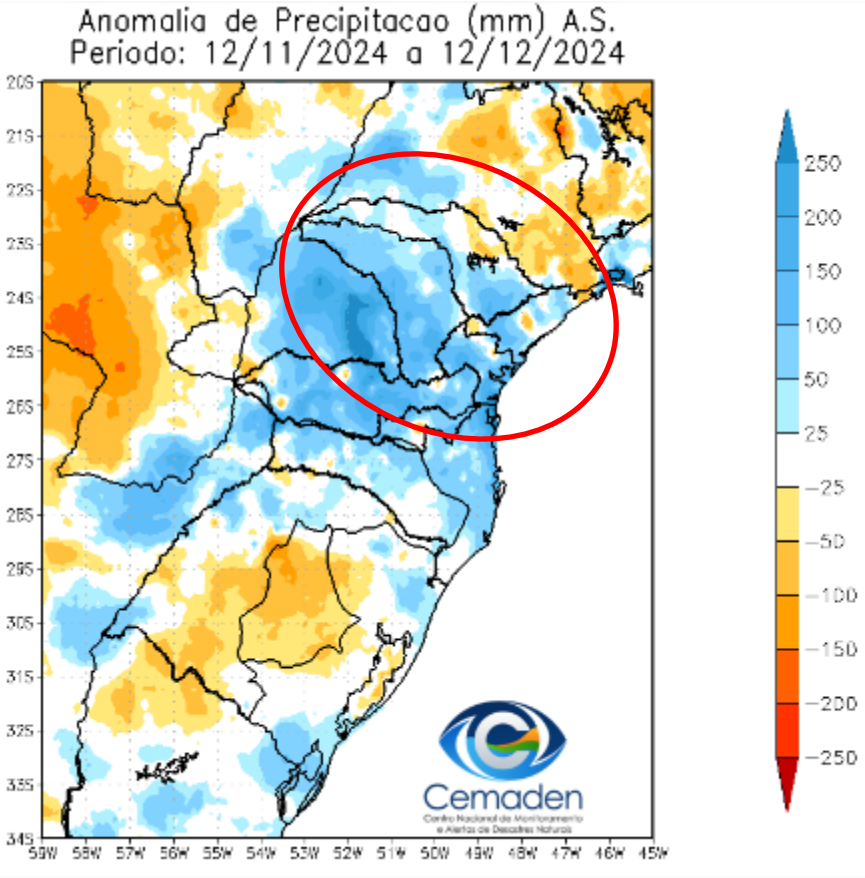
DEZEMBRO/2024

Cemaden
Centro Nacional de Monitoramento e Alertas de Desastres Naturais
UNIDADE DE PESQUISA DO MCTI

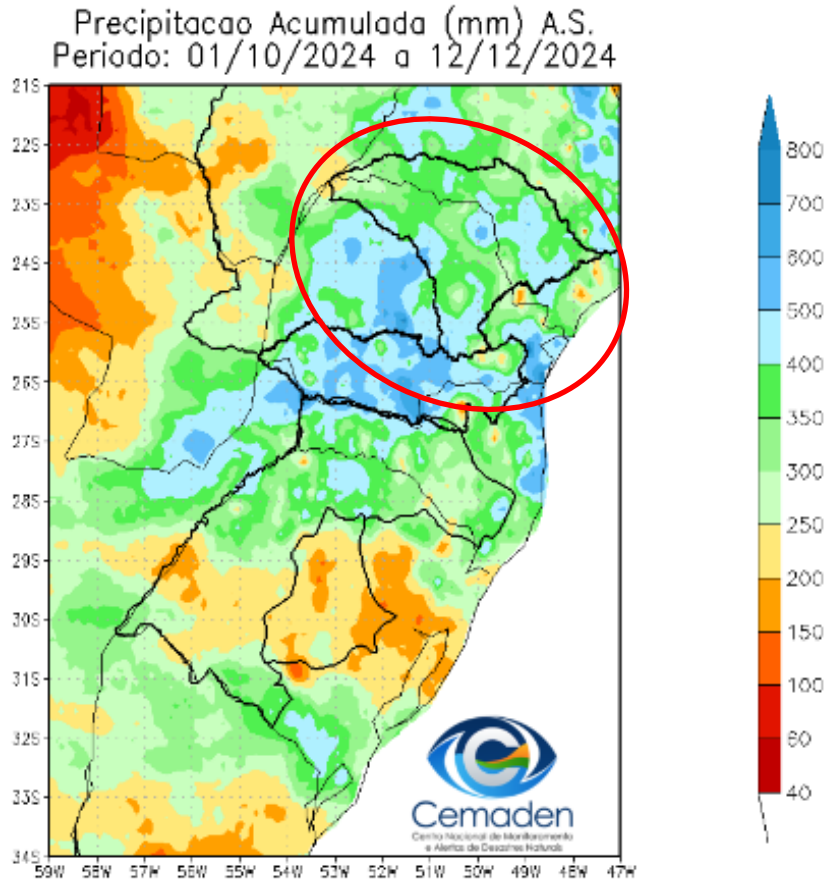
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E INOVAÇÕES

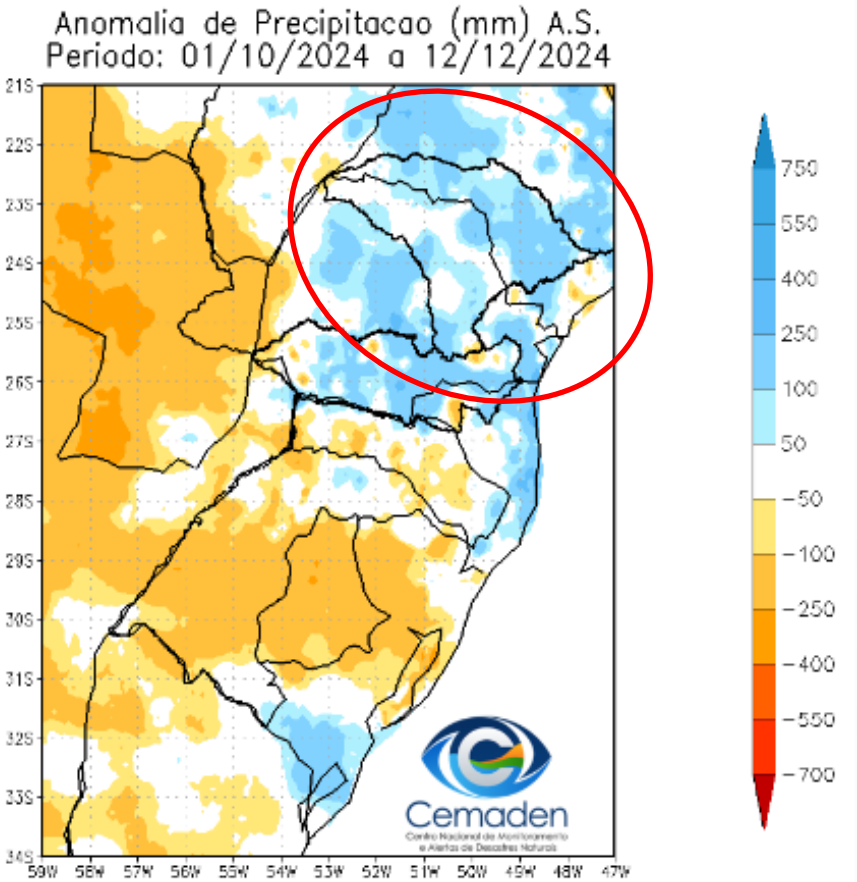
Precipitação acumulada nos últimos 30 dias



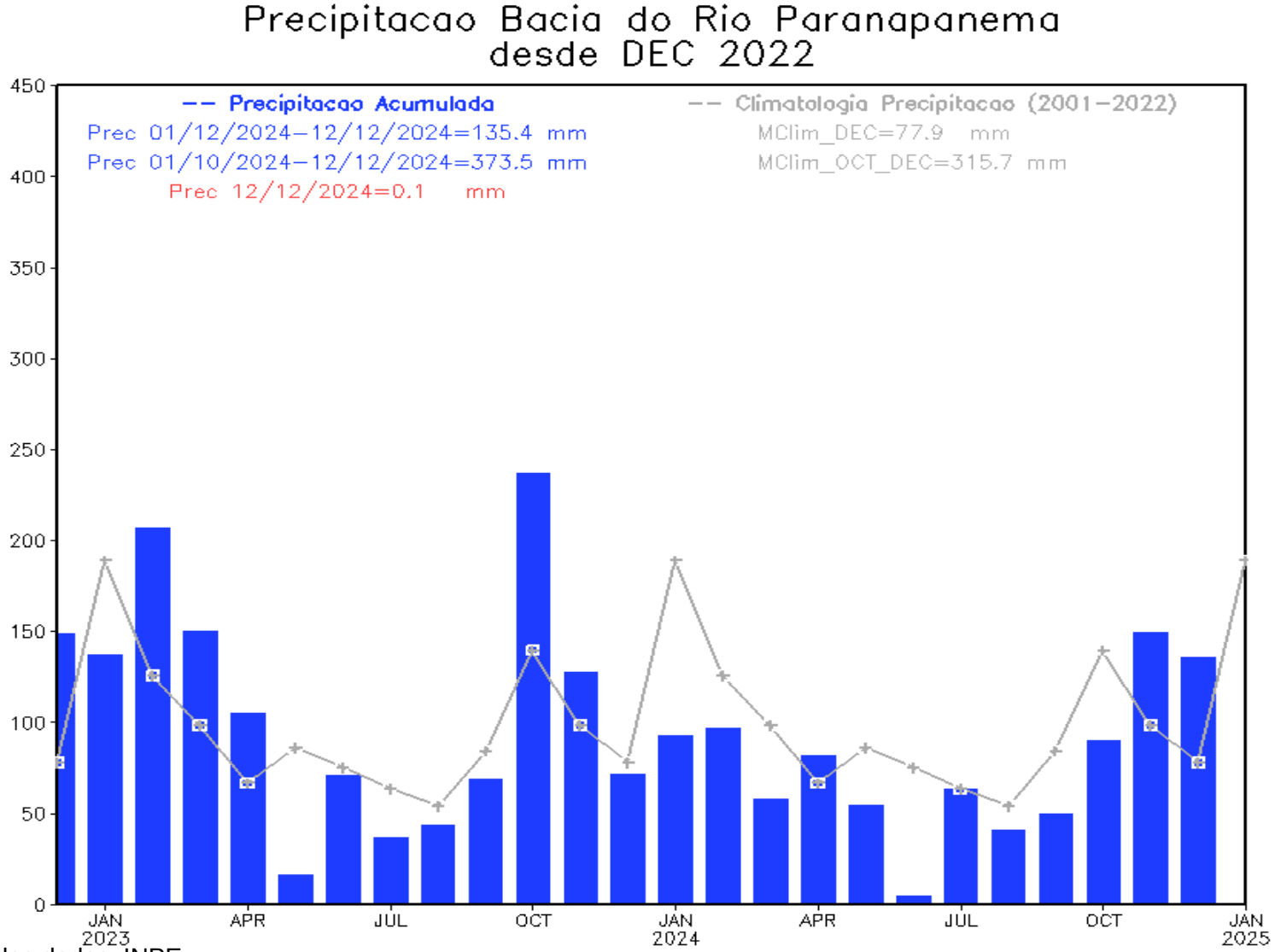


Precipitação nos últimos 10 dias





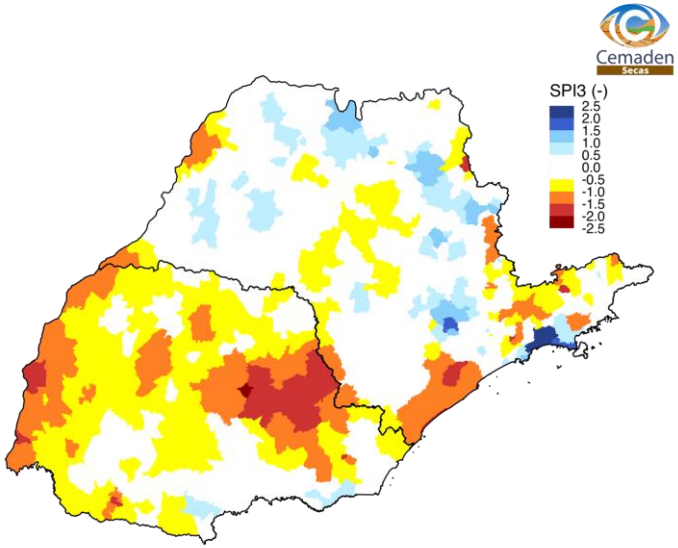
Evolução Temporal da Precipitação



Fonte dos dados: INPE

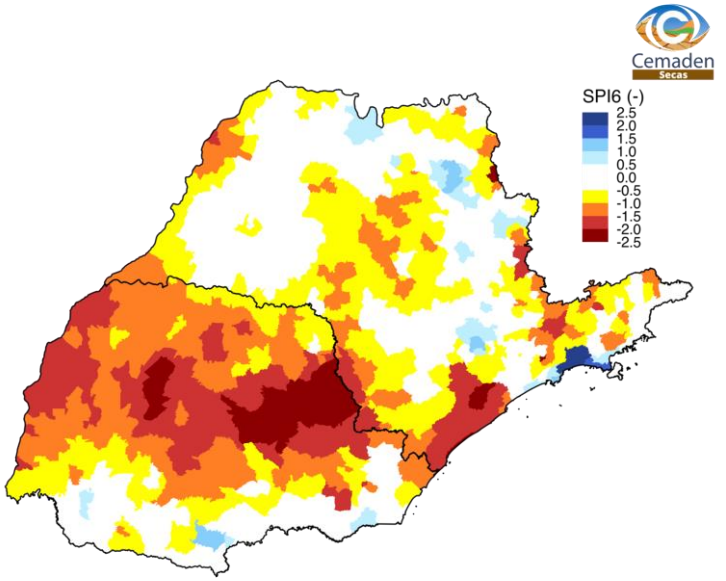
SPI: NOVEMBRO 2024

SPI-03



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

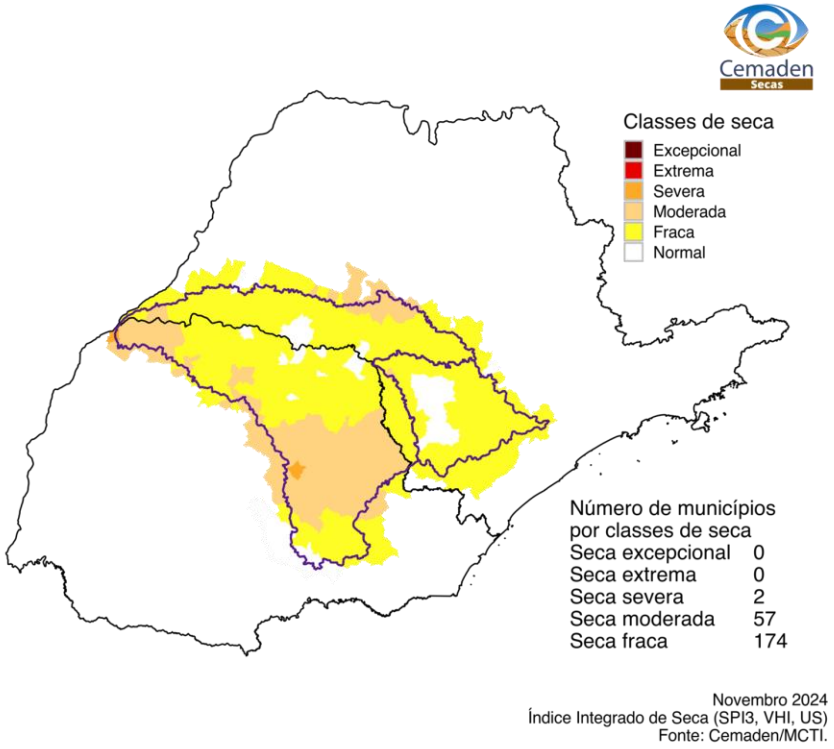
SPI-06



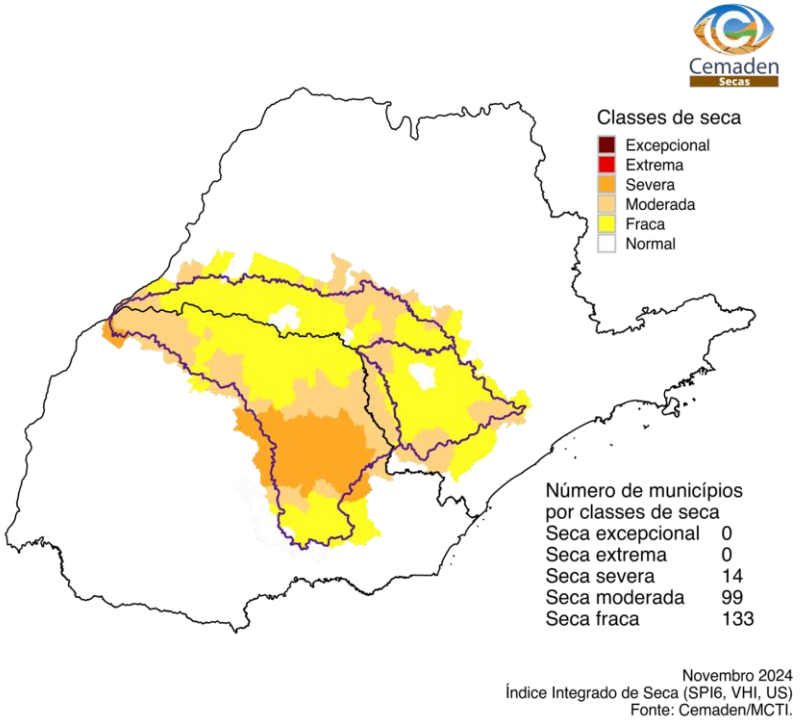
Novembro 2024
Índice Padronizado de Precipitação (SPI, 6 meses)
Fonte: Cemaden/MCTI.

ÍNDICE INTEGRADO DE SECA: ANÁLISE POR MUNICÍPIOS

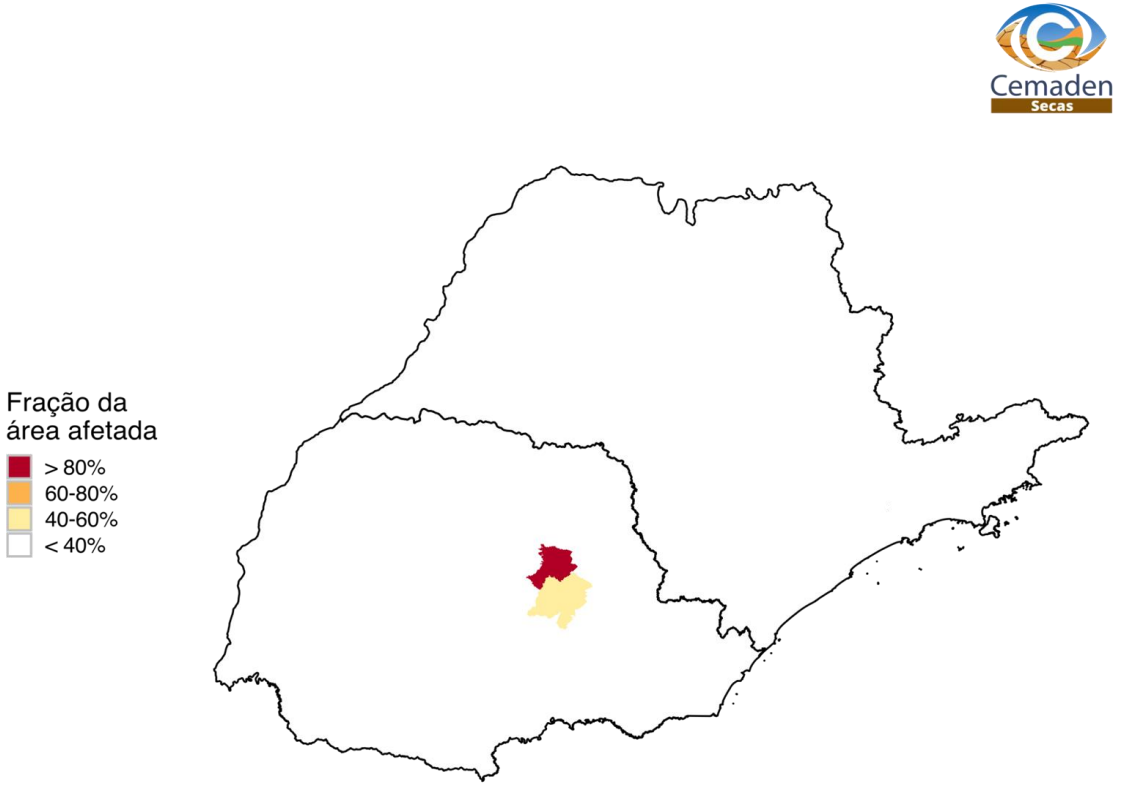
IIS-03 OBSERVADO



IIS-06 OBSERVADO



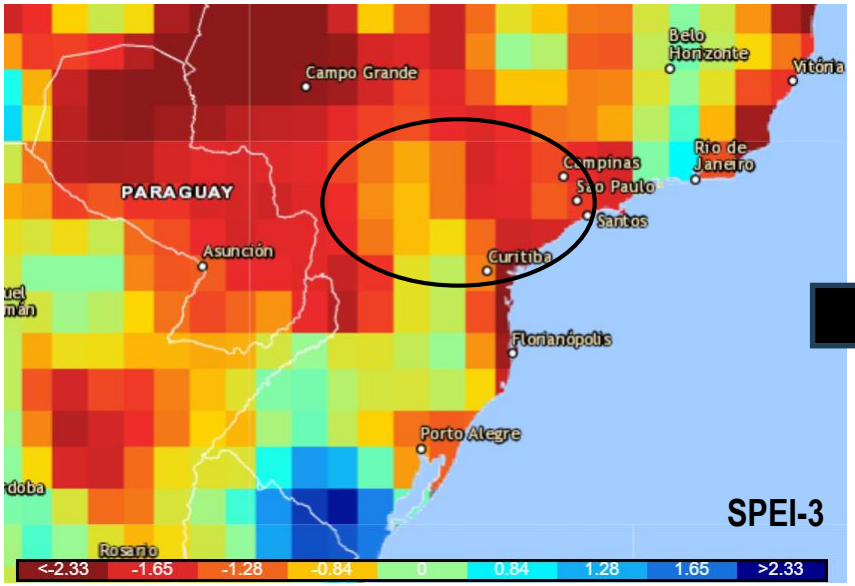
ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA: NOVEMBRO/2024

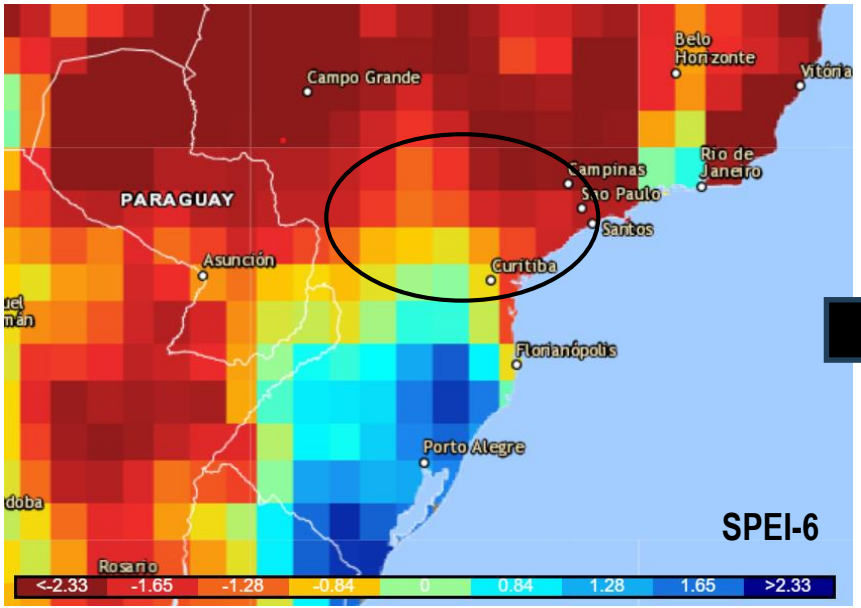


Novembro 2024
Fração da área agroprodutiva afetada pela seca
Fonte: Cemaden/MCTI.

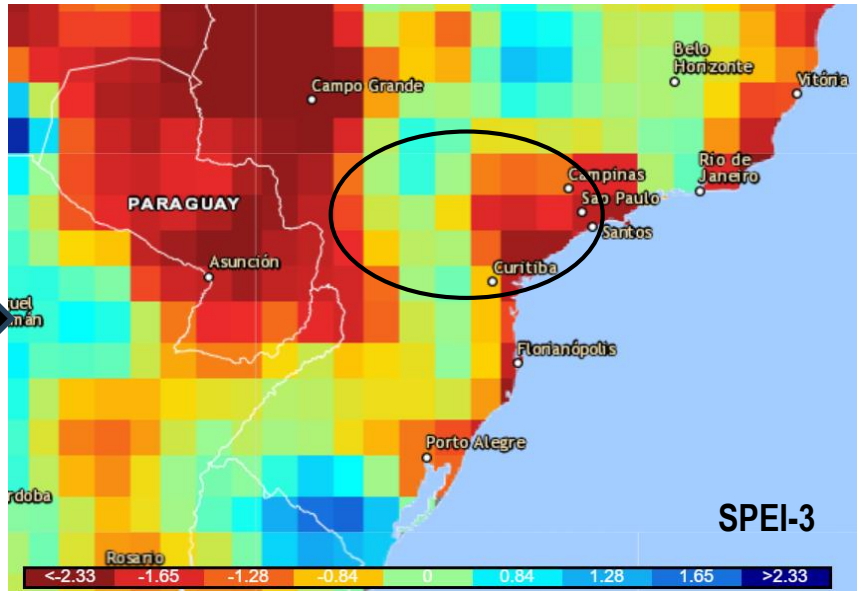
Índice Padronizado de Precipitação – Evapotranspiração Potencial (SPEI)

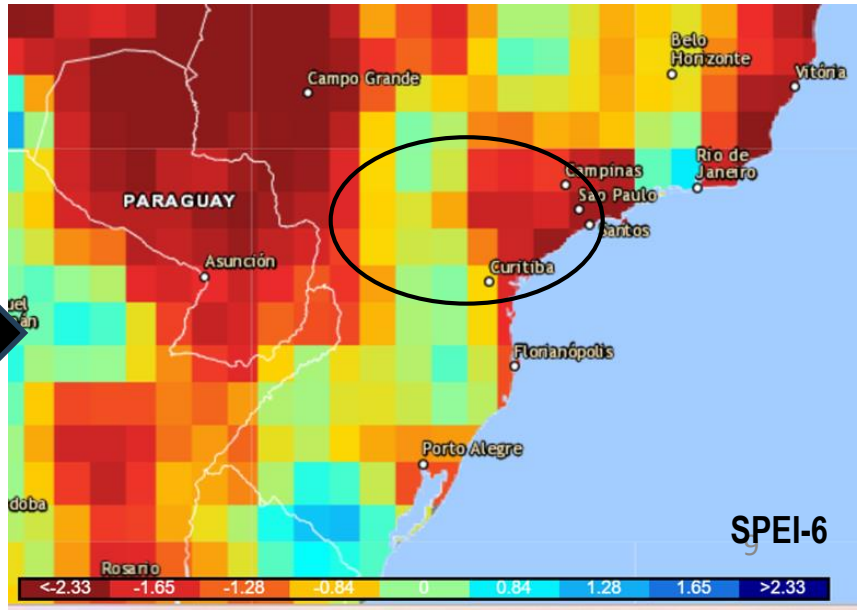
Outubro/2024



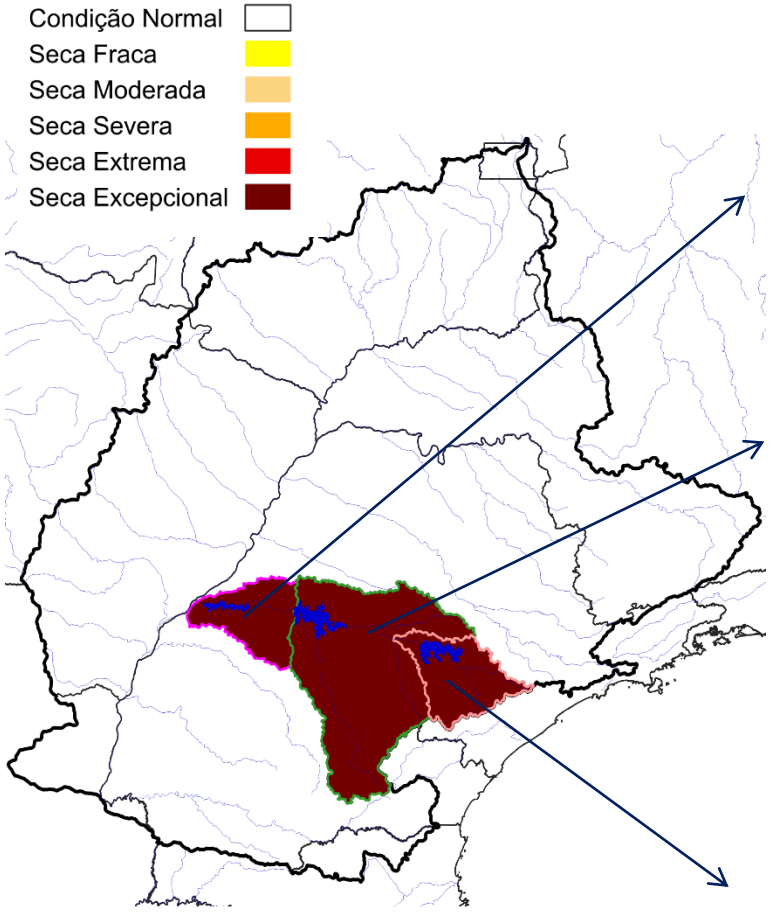


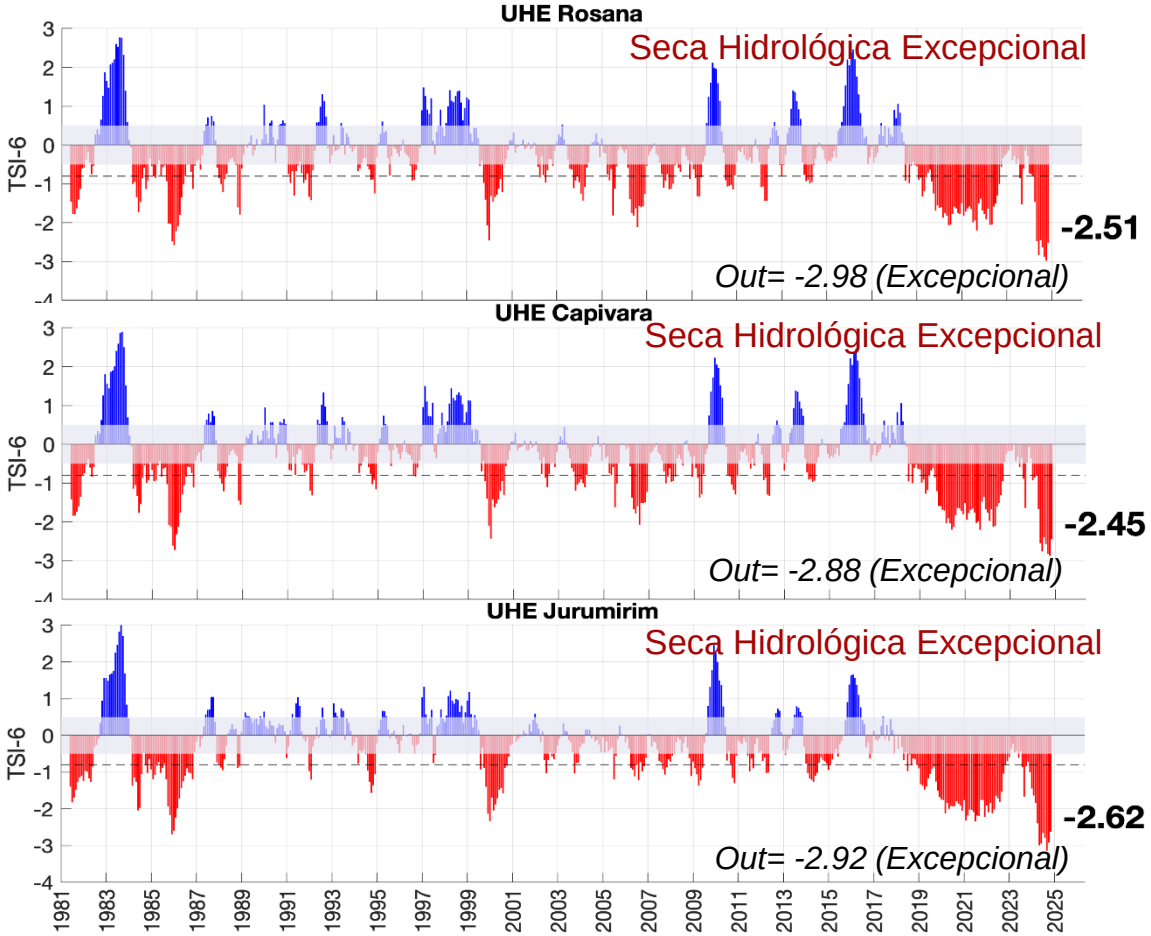
Novembro/2024





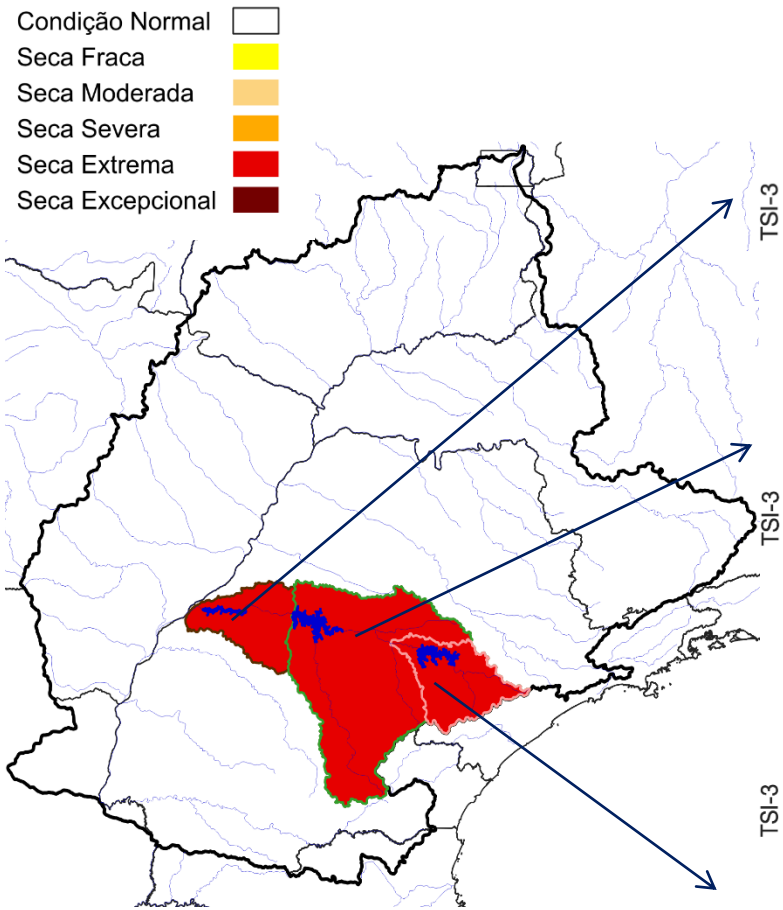
Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de Longo Prazo: TSI-6 meses

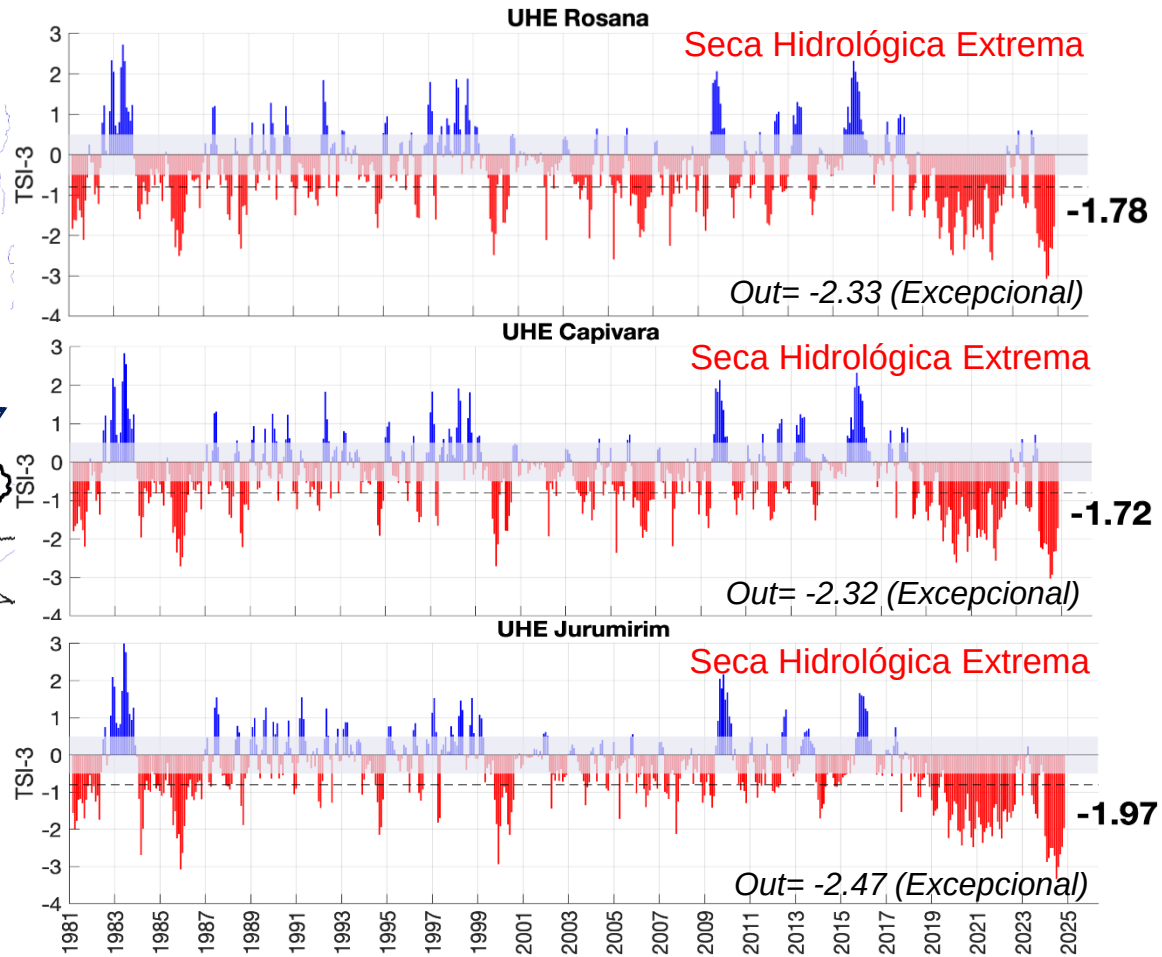




Fonte: CEMADEN
Dados: Precipitação (Cemaden/INMET/CHIRPS) e Vazão (ONS/ANA) - Jan/1981-Nov/2024.

Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de Curto Prazo: TSI-3 meses

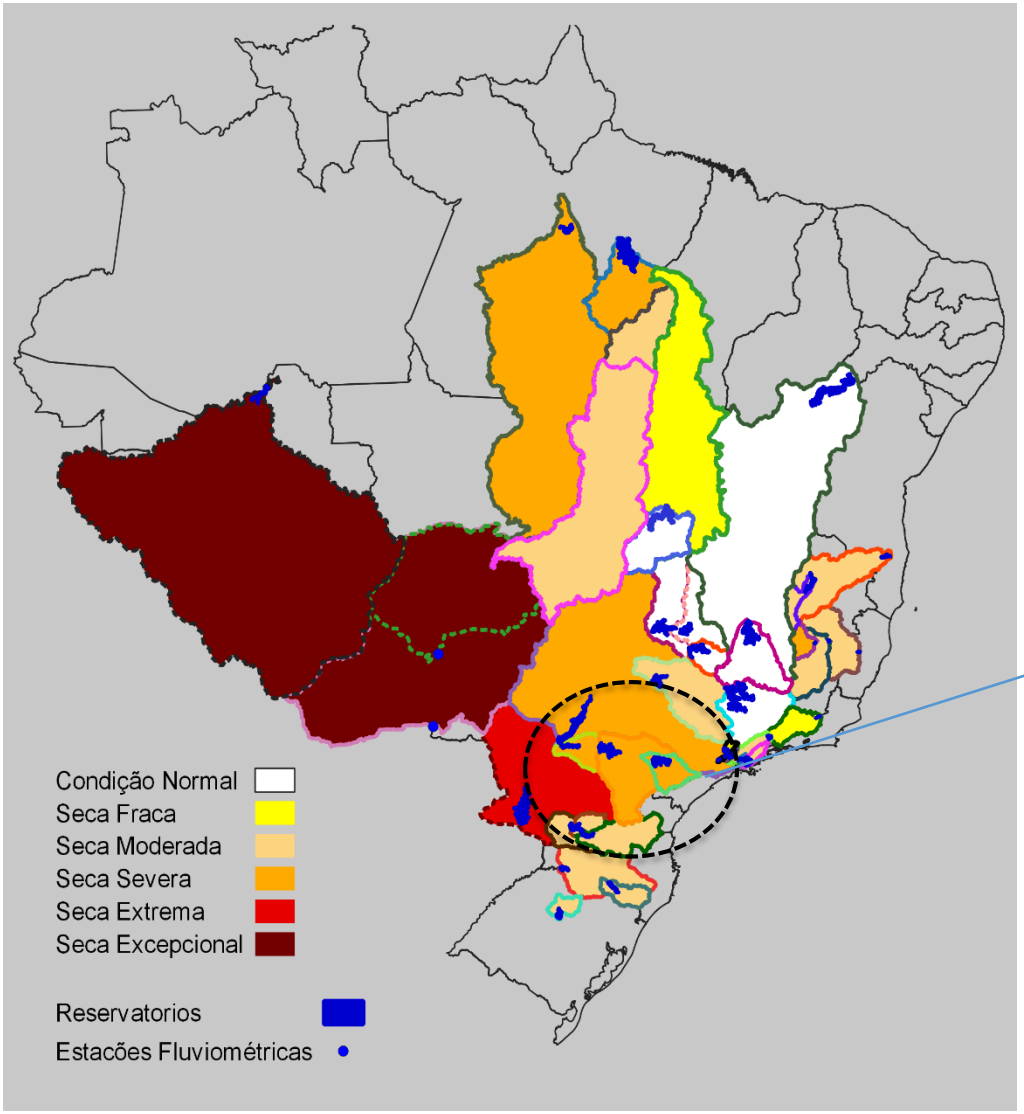




Fonte: CEMADEN
Dados: Precipitação (Cemaden/INMET/CHIRPS) e Vazão (ONS/ANA) - Jan/1981-Nov/2024.

Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de Longo Prazo: TSI-6 meses

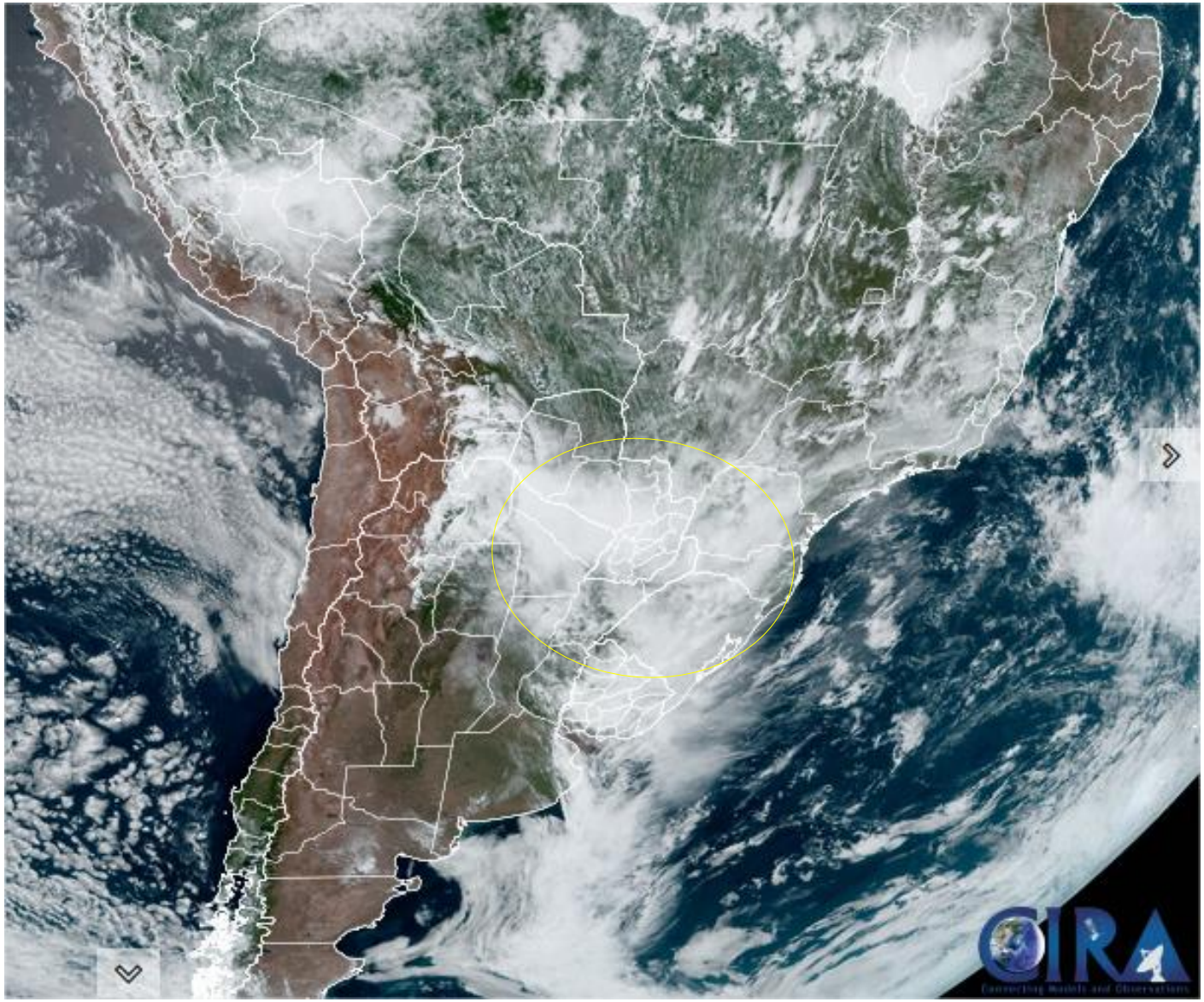
Previsão 30 dias



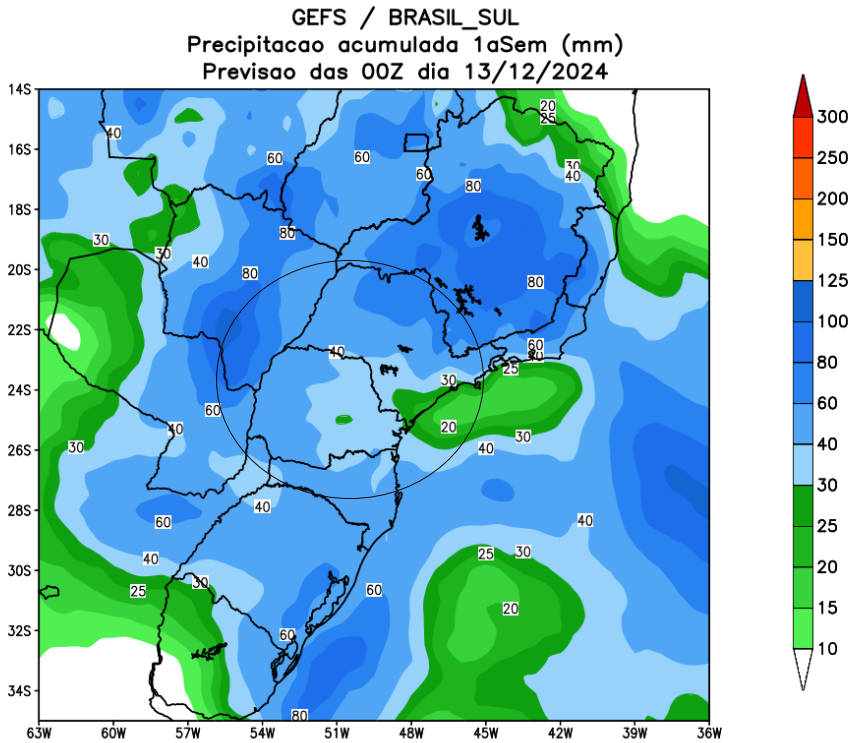
	Intensidade
Rosana	SEVERA
Capivara	SEVERA
Jurumirim	SEVERA

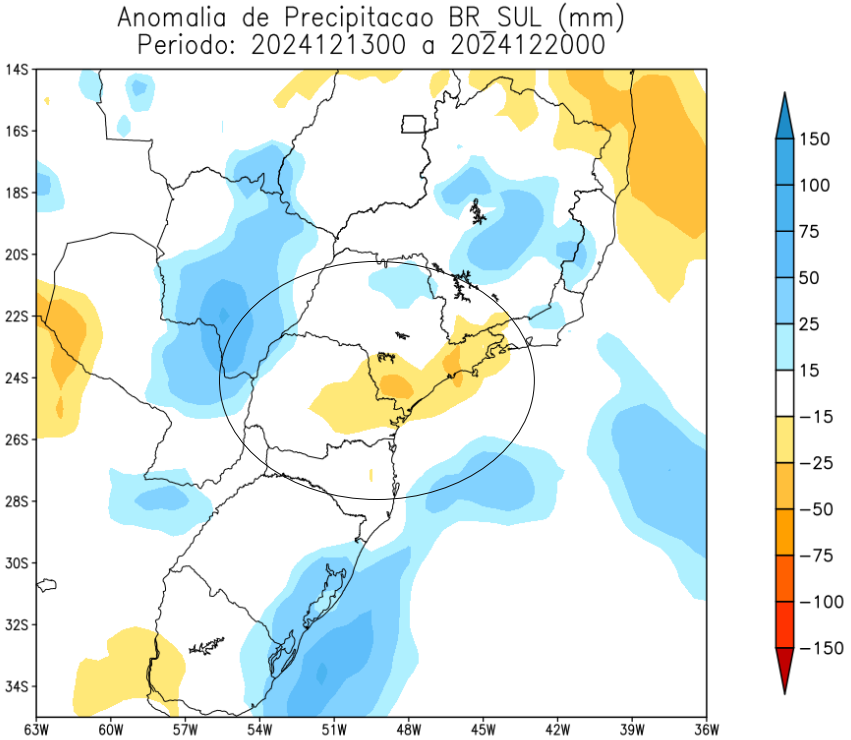
Fonte: CEMADEN
Previsão de Precipitação: *Climate Forecast System* (CFS)

Situação meteorológica atual



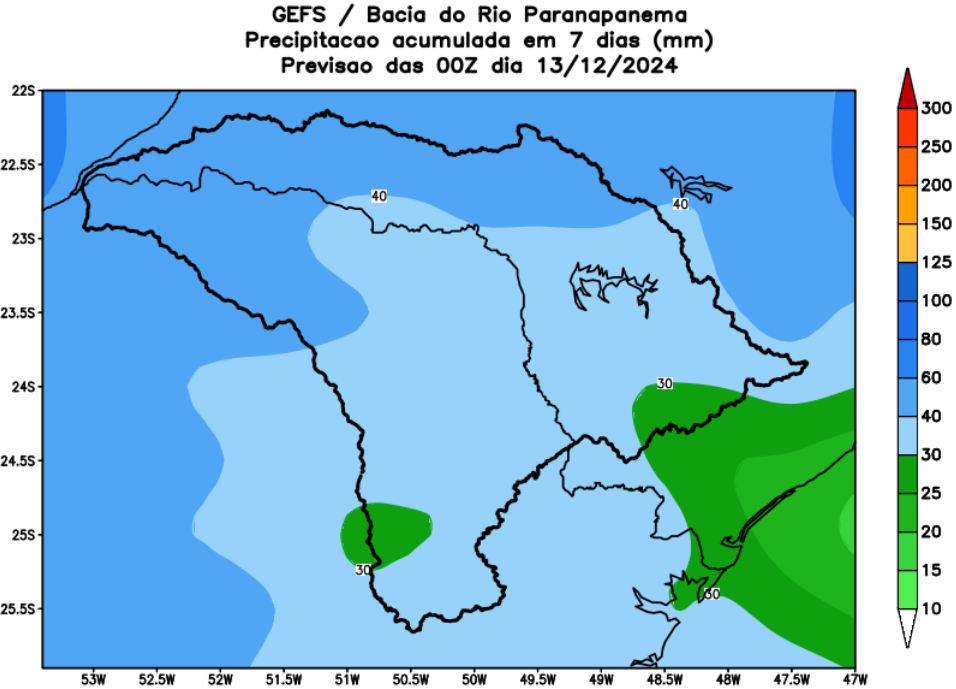
Previsão de chuva próximos 7 dias

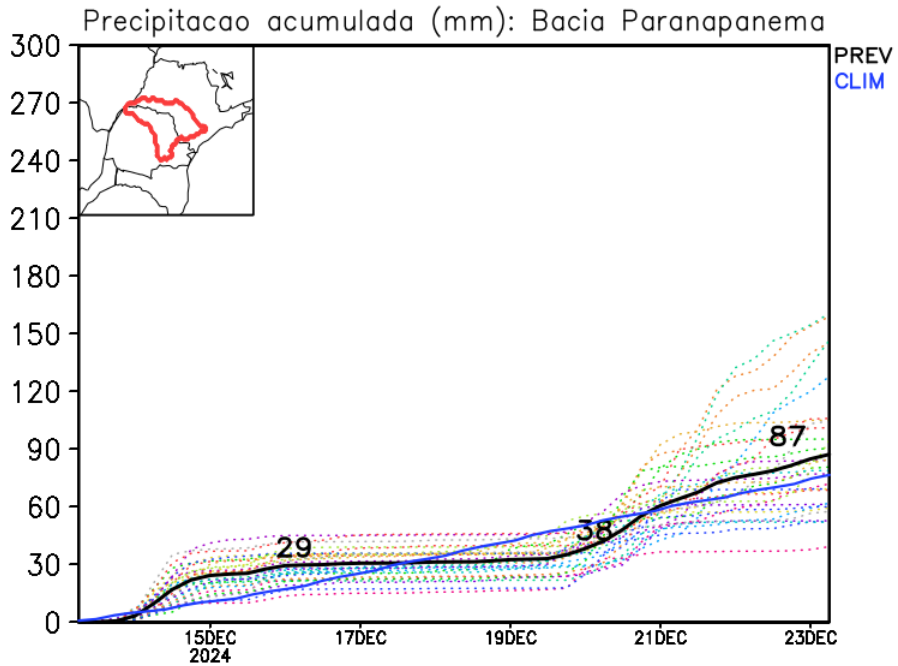




MODELO GEFS

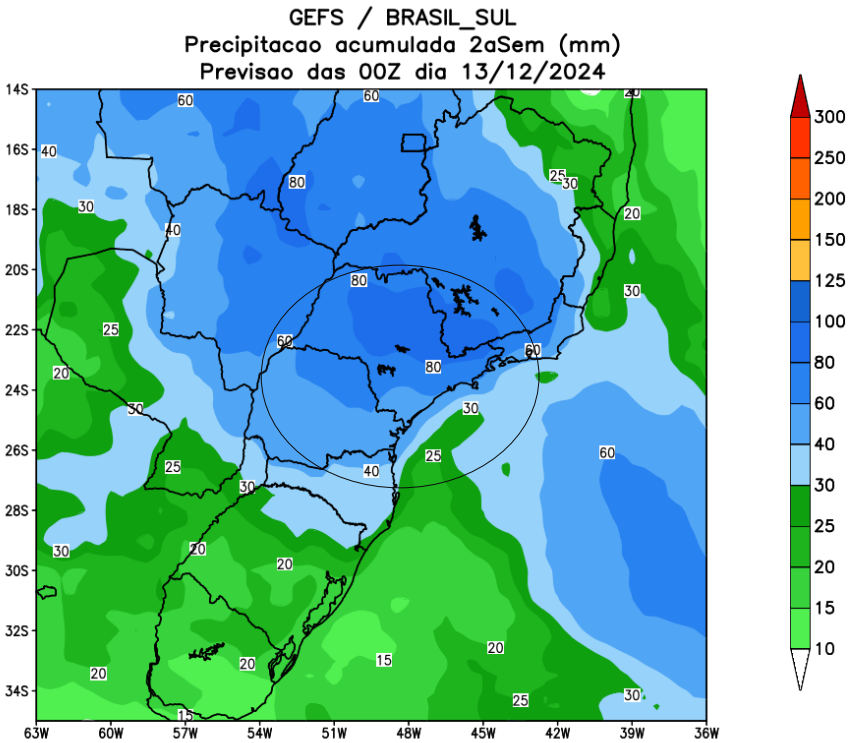
Previsão para a bacia do rio Paranapanema

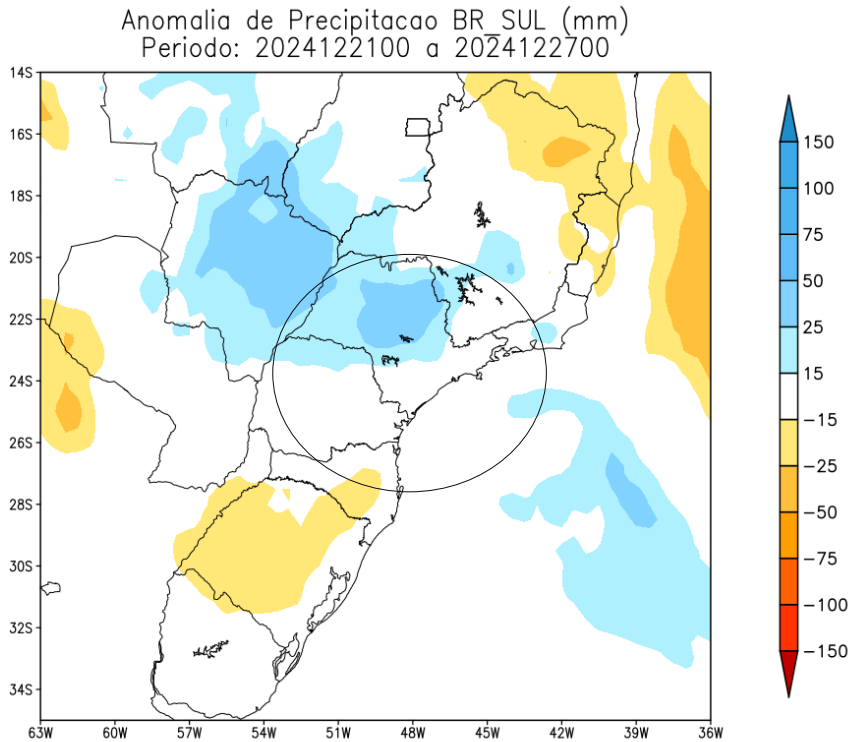




MODELO GEFS

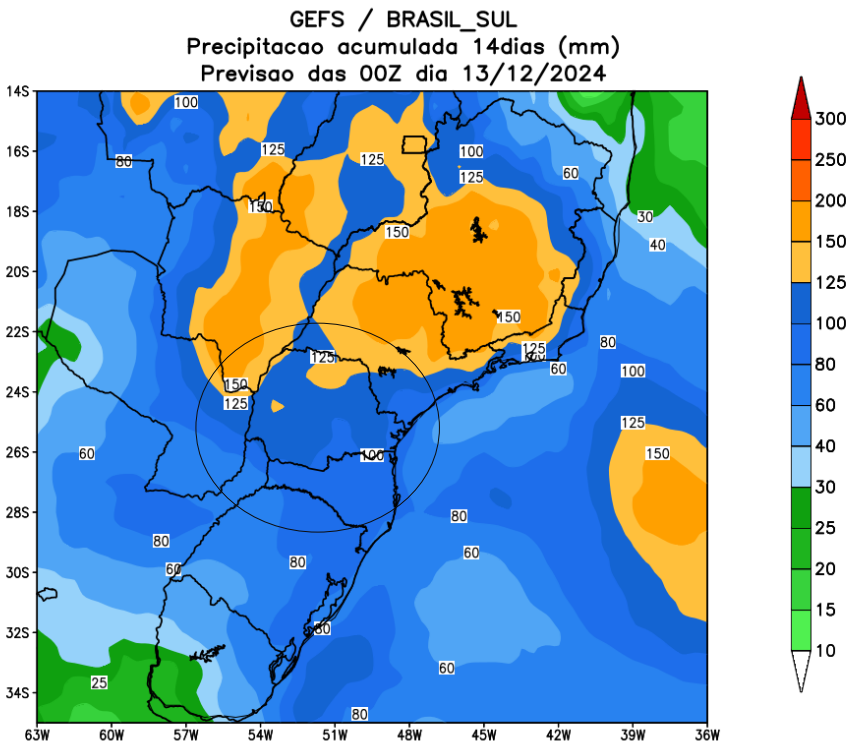
Tendência para a segunda semana

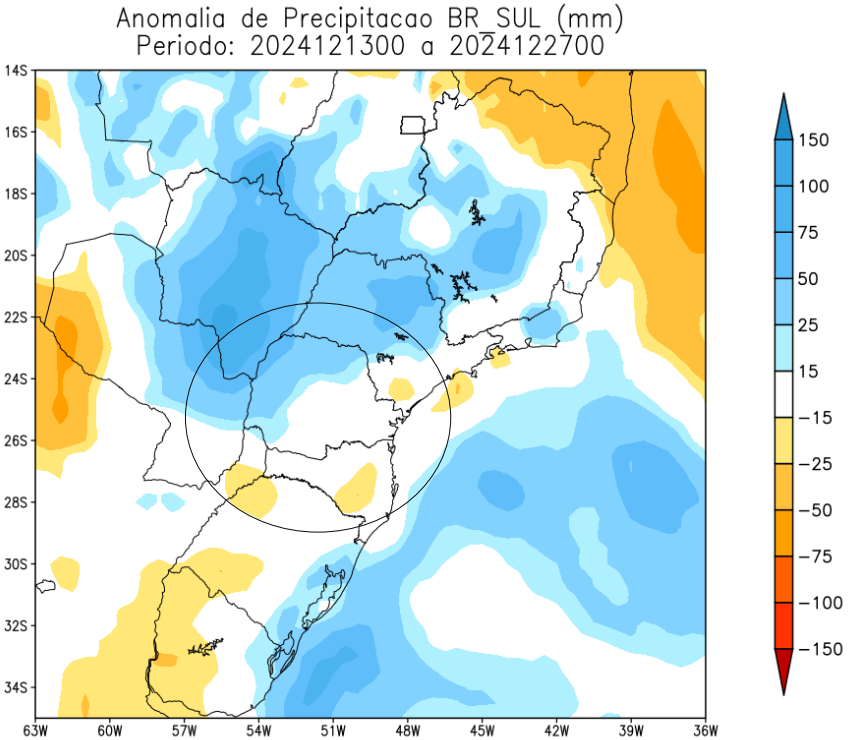




MODELO GEFS

Tendência para as duas próximas semanas

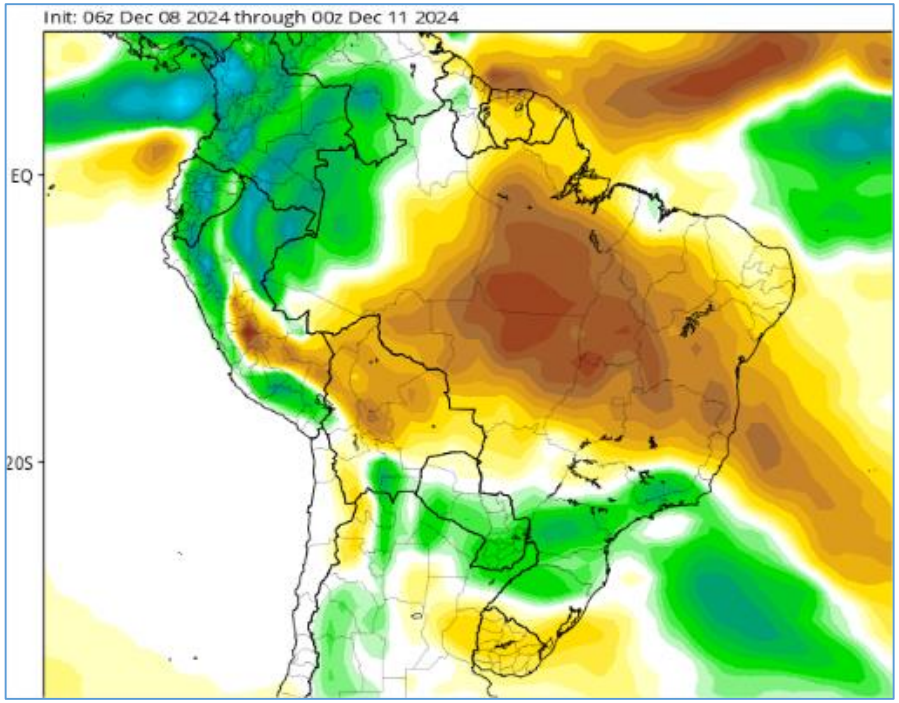




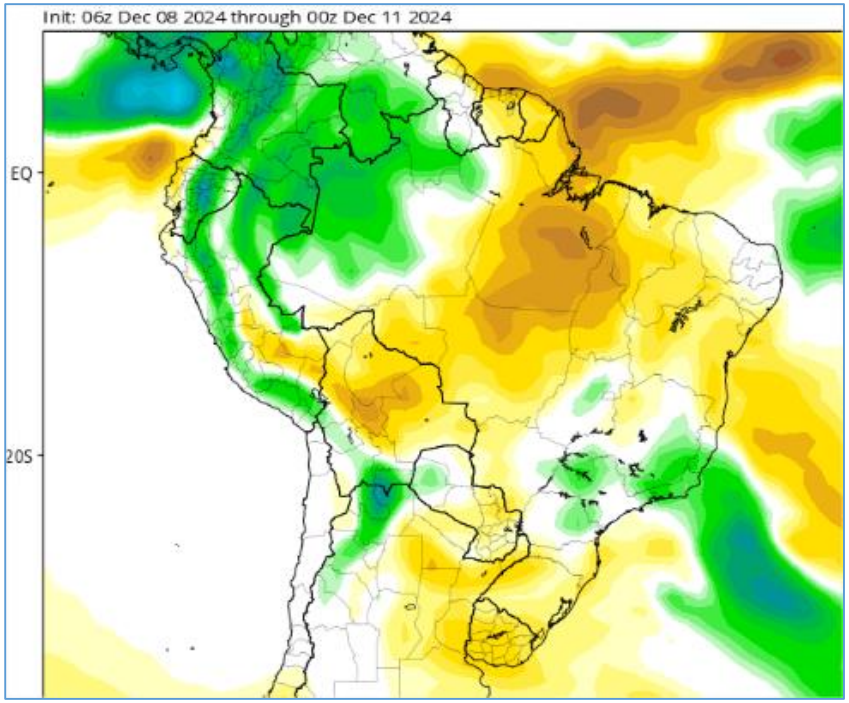
MODELO GEFS

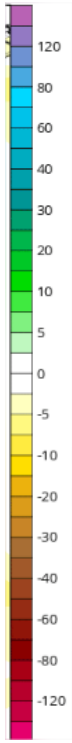
Tendência 3a e 4a semanas

25 Dez – 01 Jan



01- 08 Jan

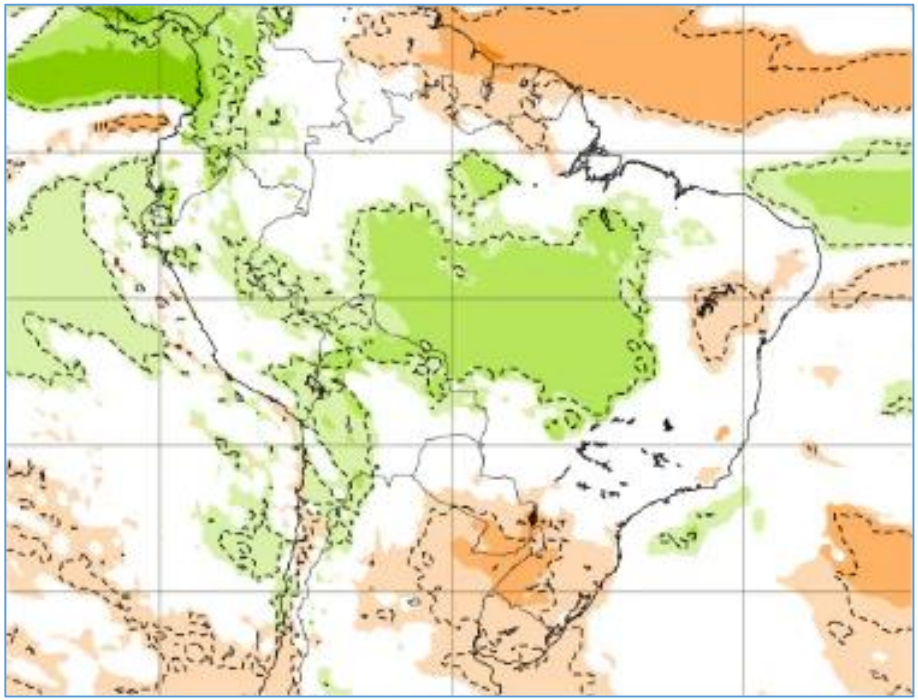




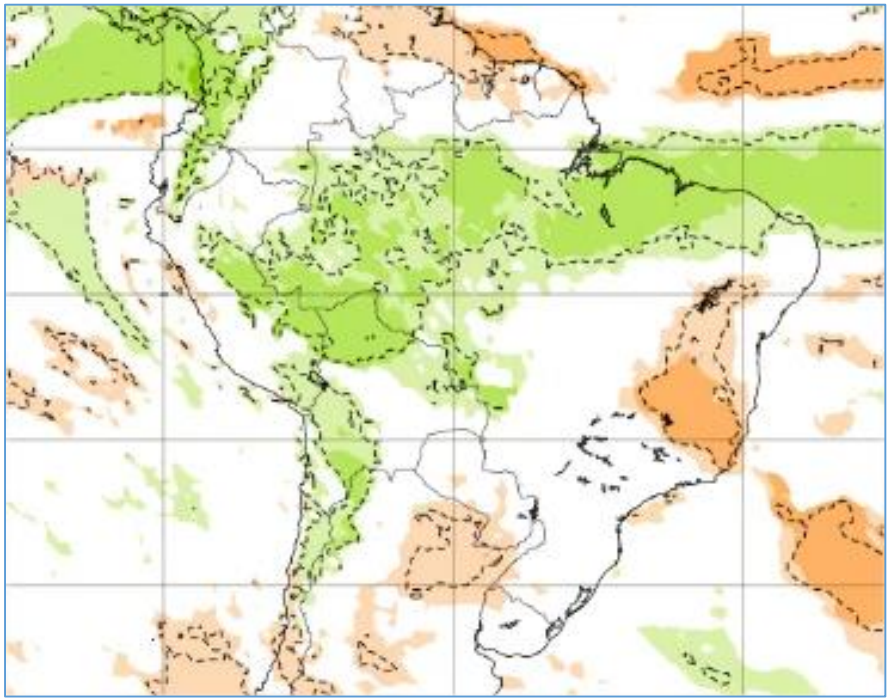
Modelo CFS/NOAA

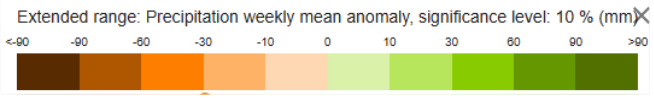
Tendência para 3ª e 4ª semanas

23-30 Dez



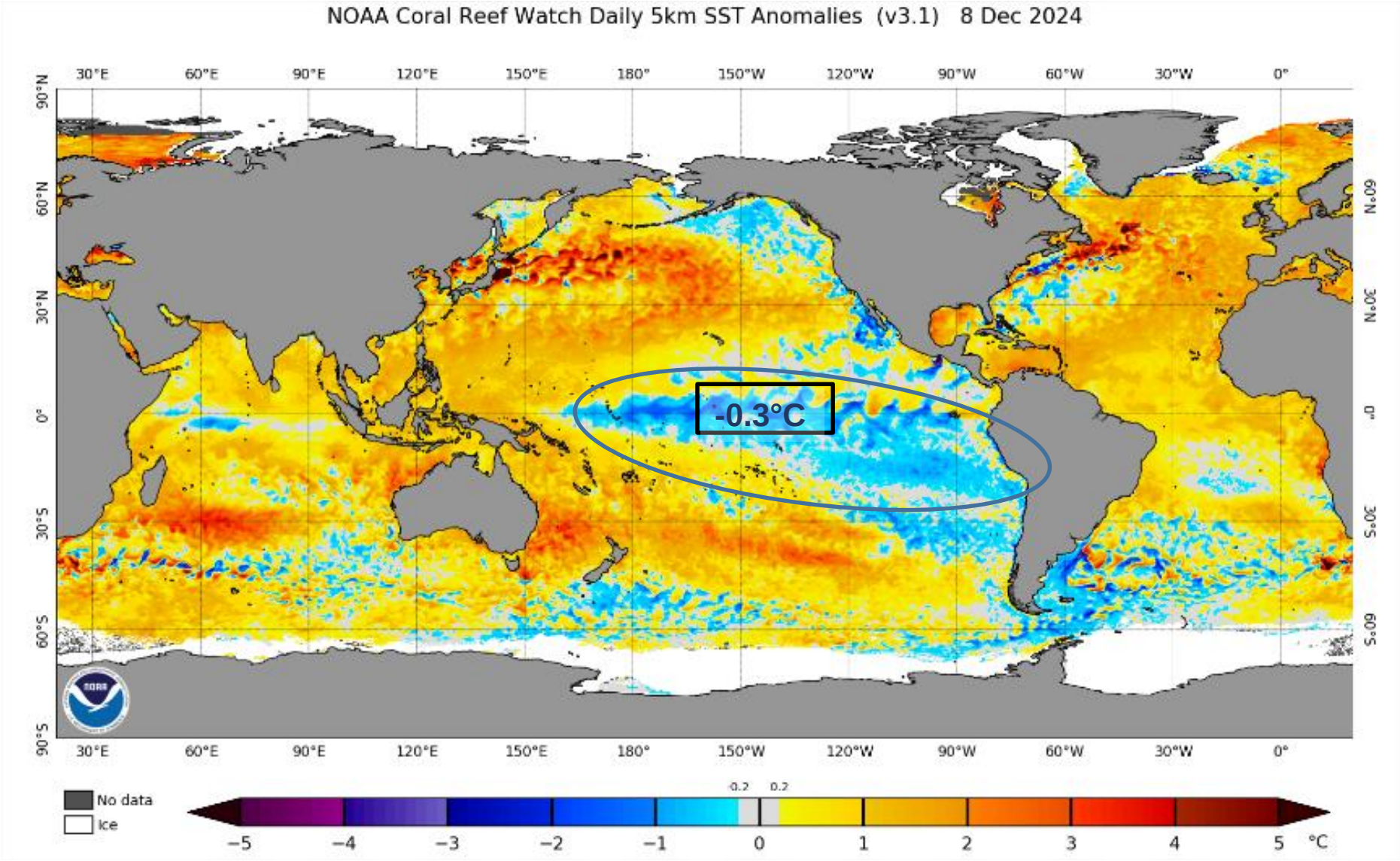
30 Dez- 06 Jan



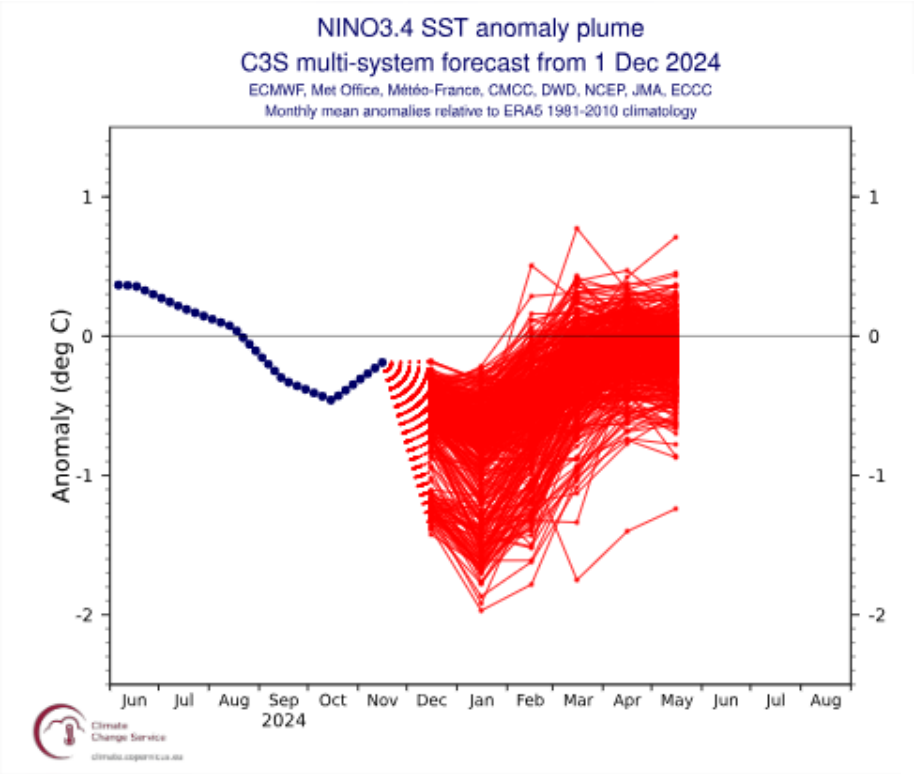


MODELO ECMWF

Status Atual: **La Niña Watch**



FONTE: NOAA



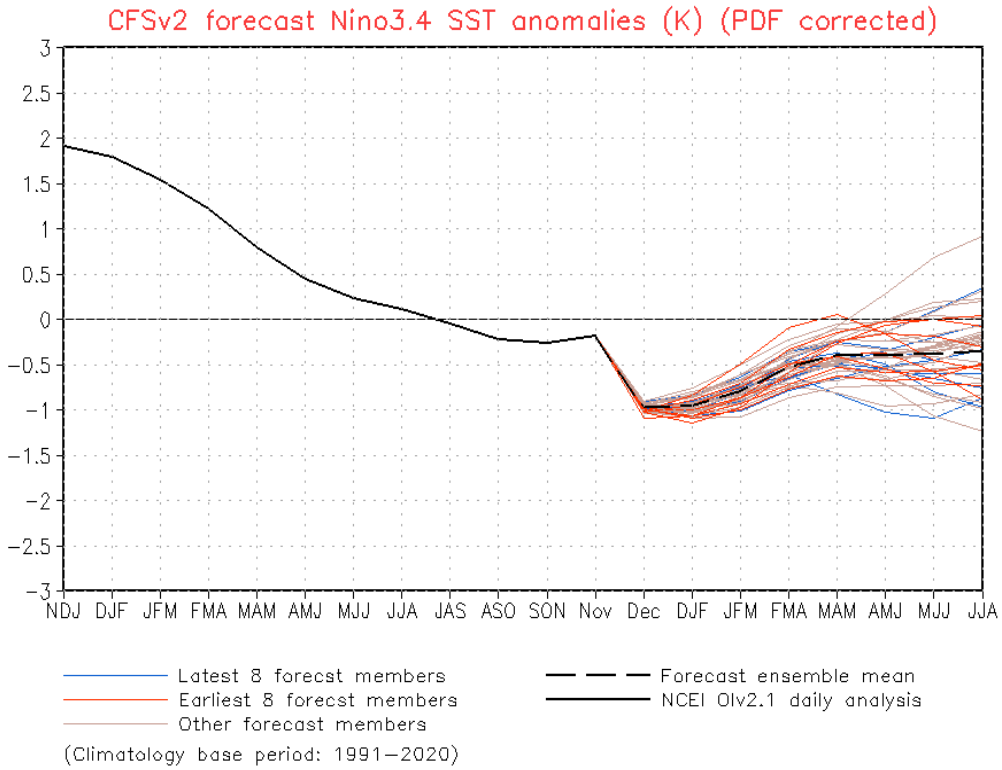
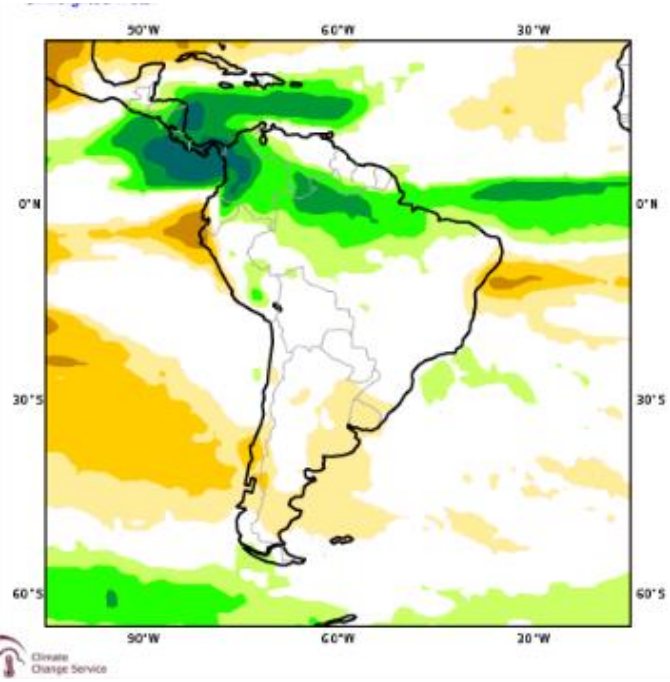
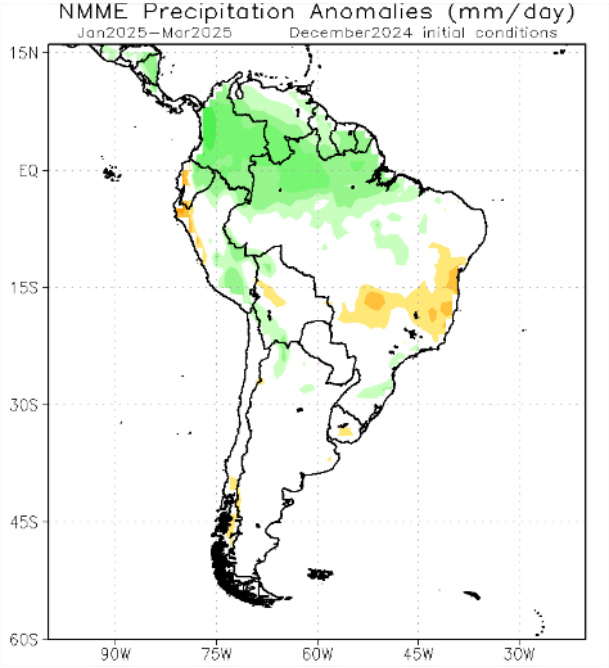


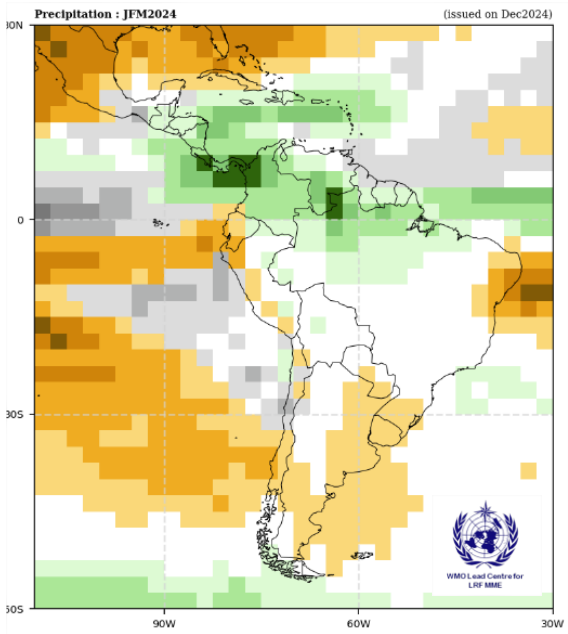
Figure provided by the International Research Institute (IRI) for Climate and Society (updated 19 November 2024).

Previsão Sazonal de Chuva Multi-Modelo

Janeiro-Fevereiro-Março







Modelos Europeus

Modelos Norte Americanos

Modelos da WMO