CEMADEN

Centro Nacional de Monitoramento e Alertas de Desastres Naturais

Monitoramento e Previsões para a Bacia do rio Doce

23 de Dezembro de 2024

Cemaden

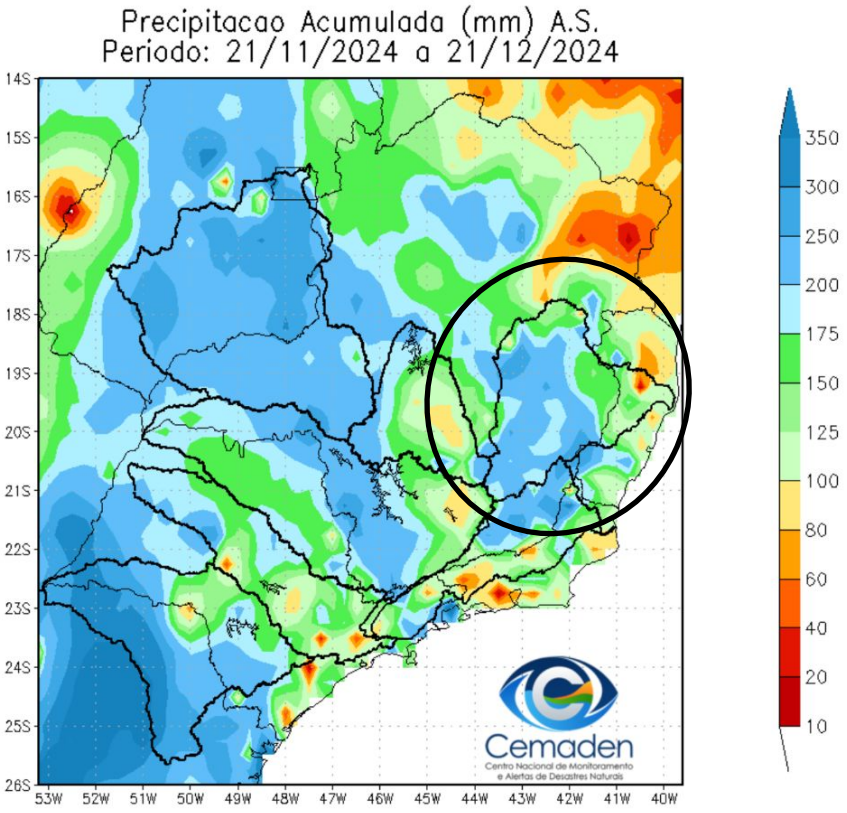
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E INOVAÇÃO

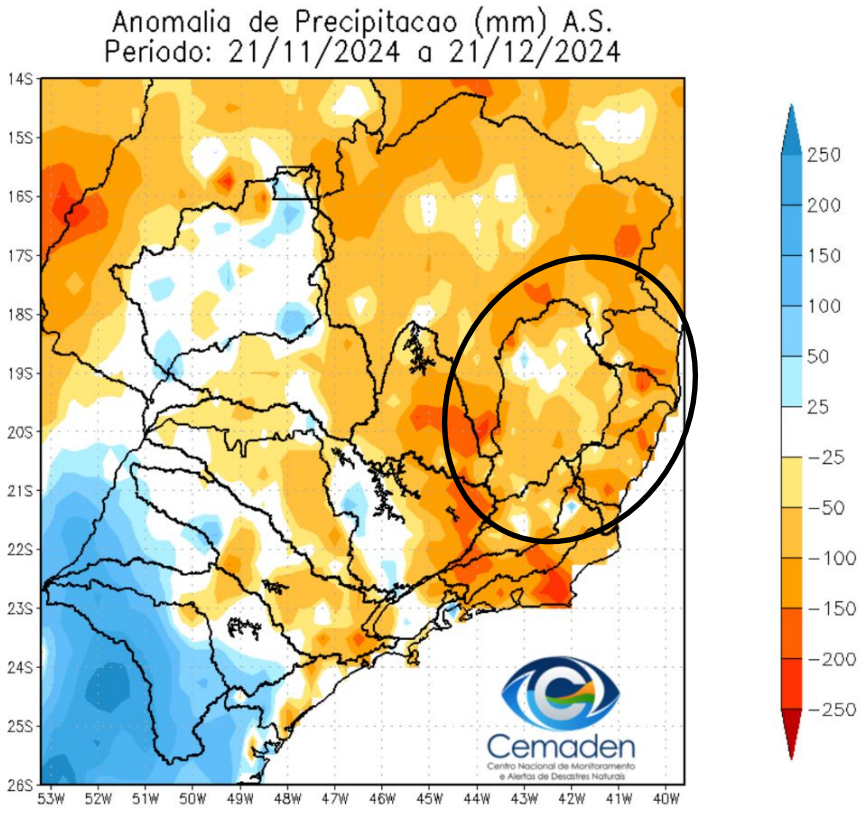
GOVERNO FEDERAL

BRASIL

UNIÃO E RECONSTRUÇÃO

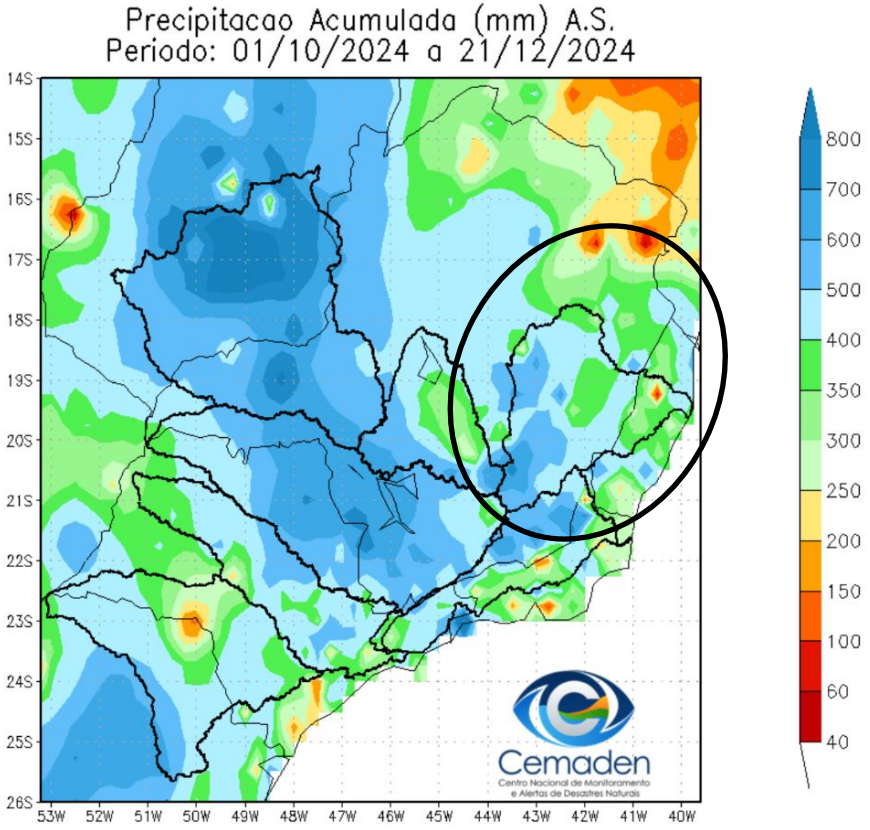
Precipitação acumulada nos últimos 30 dias

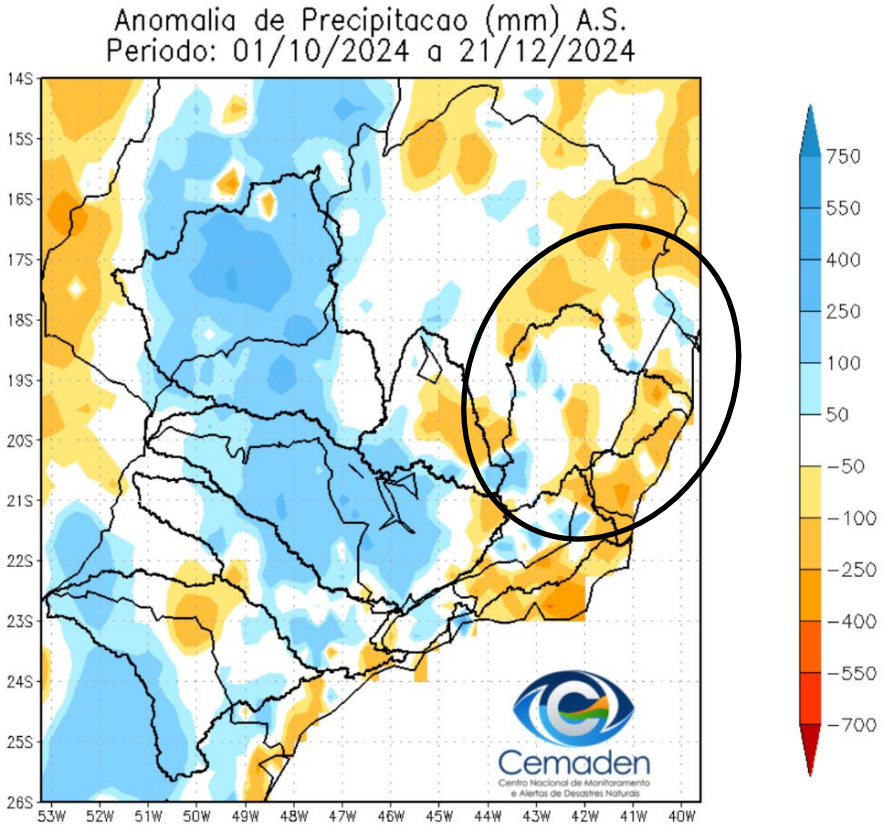




FONTE DOS DADOS INPE

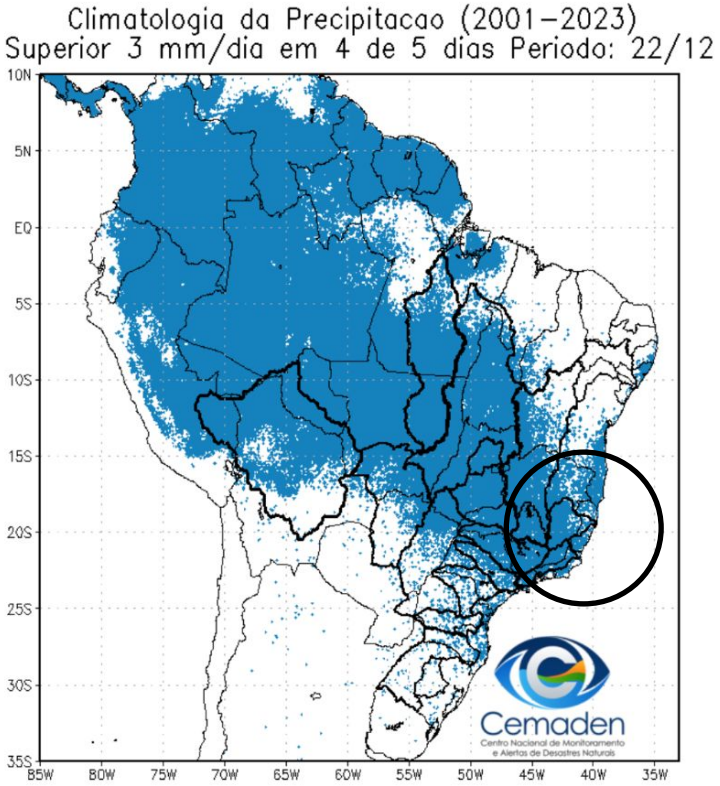
Precipitação acumulada no Ano Hidrológico

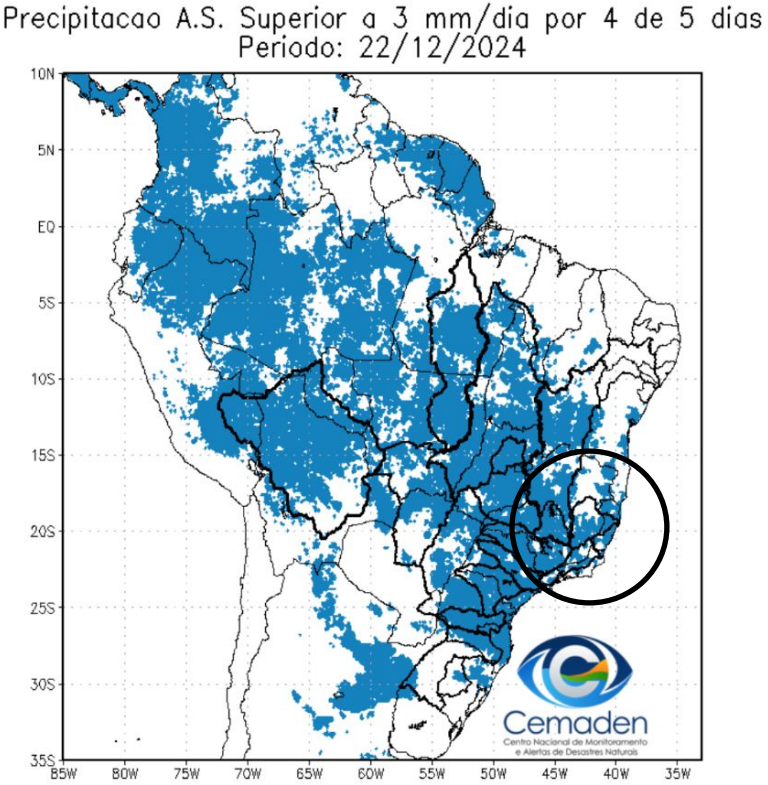




FONTE DOS DADOS INPE

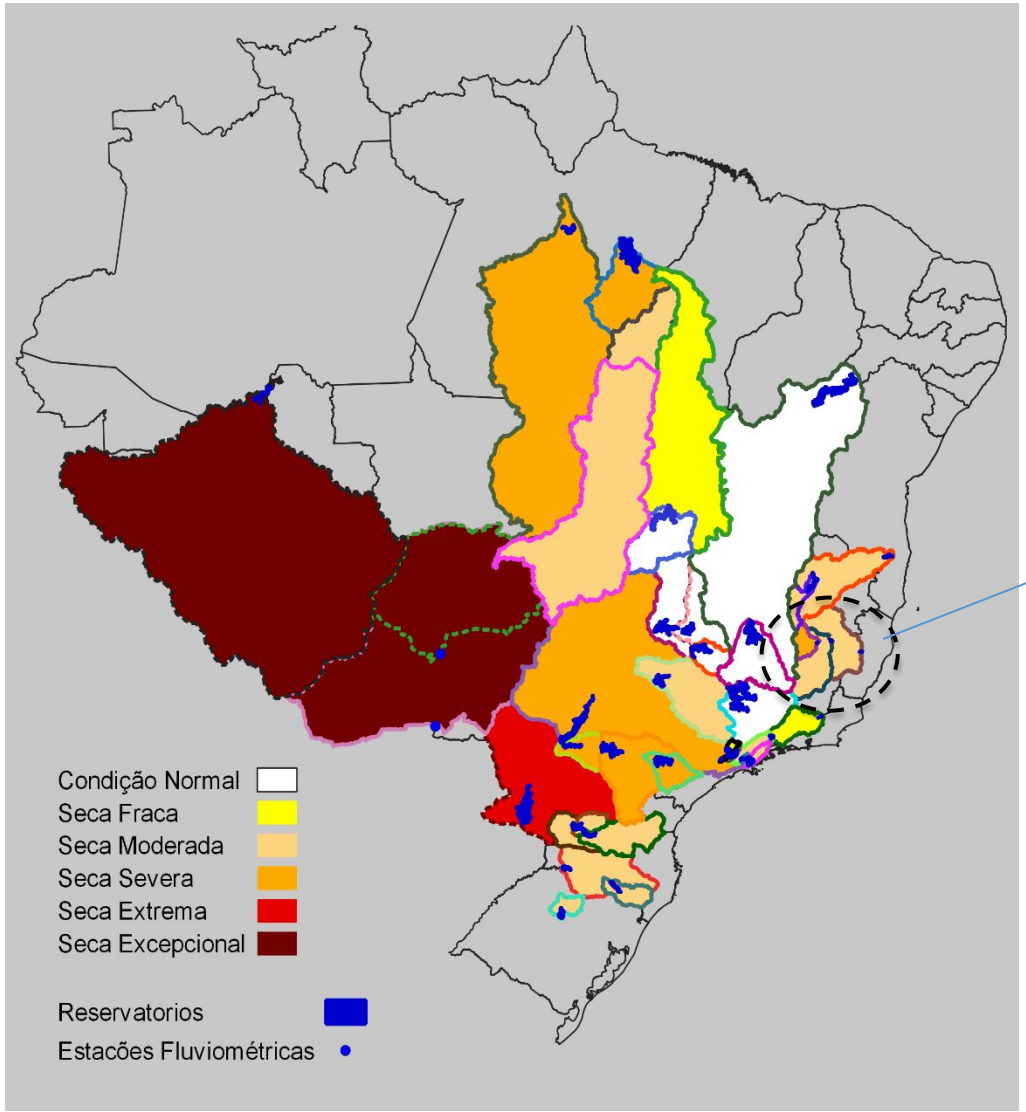
Situação da Estação Chuvosa





FONTE DOS DADOS INPE

Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de Longo Prazo: TSI-6 meses
Previsão até 31/Dezembro



Desintensificação da seca:

- Baguari

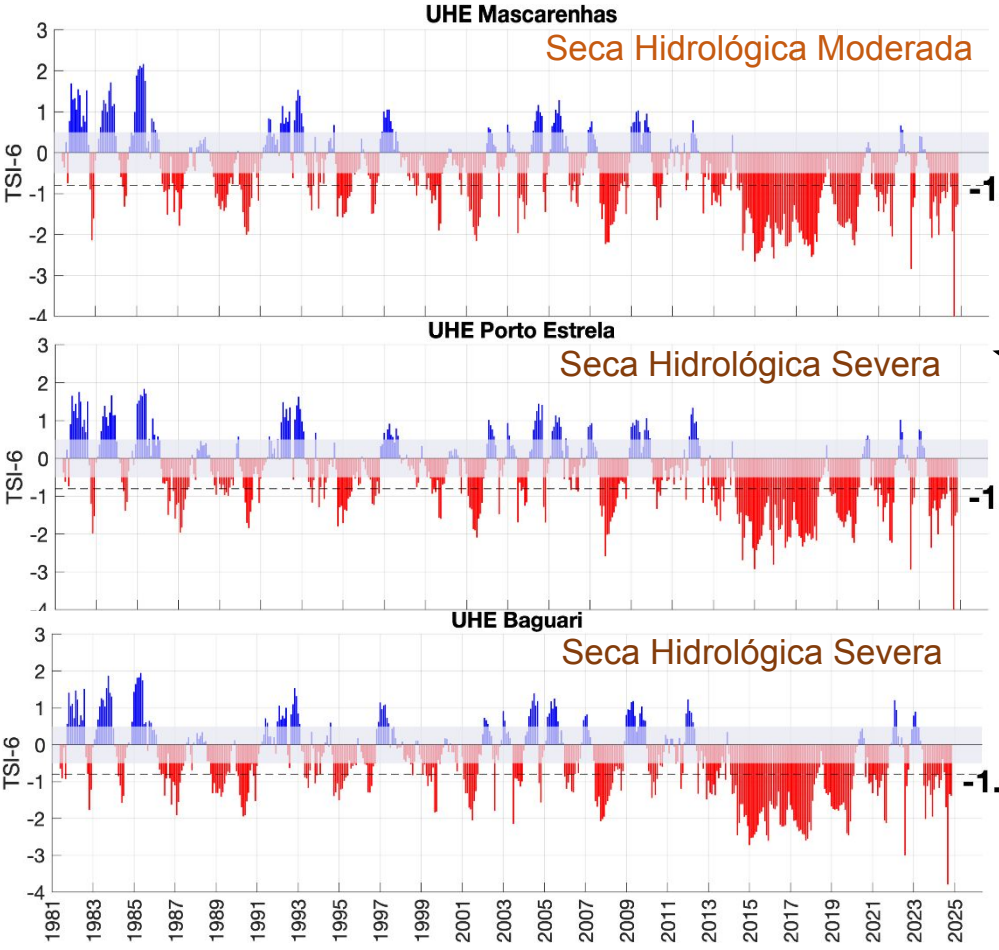
Estabilidade da seca:

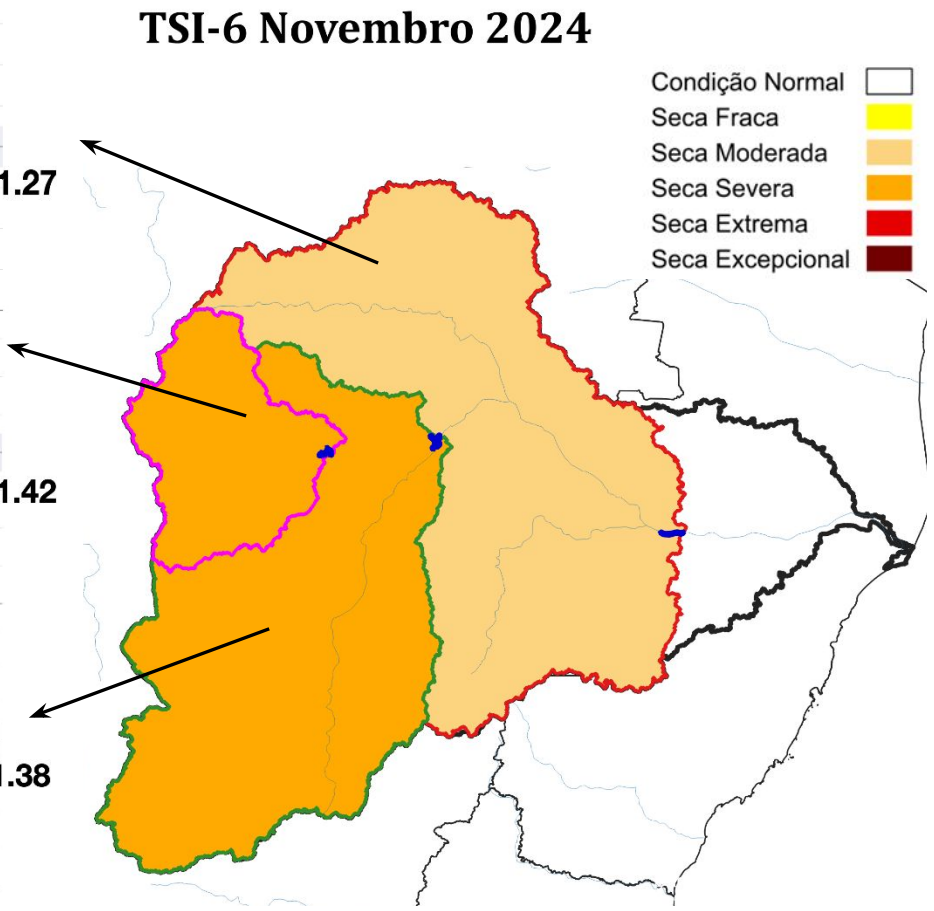
- Mascarenhas
- Porto Estrela

	Intensidade
Mascarenhas	MODERADA
Porto Estrela	SEVERA
Baguari	MODERADA

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

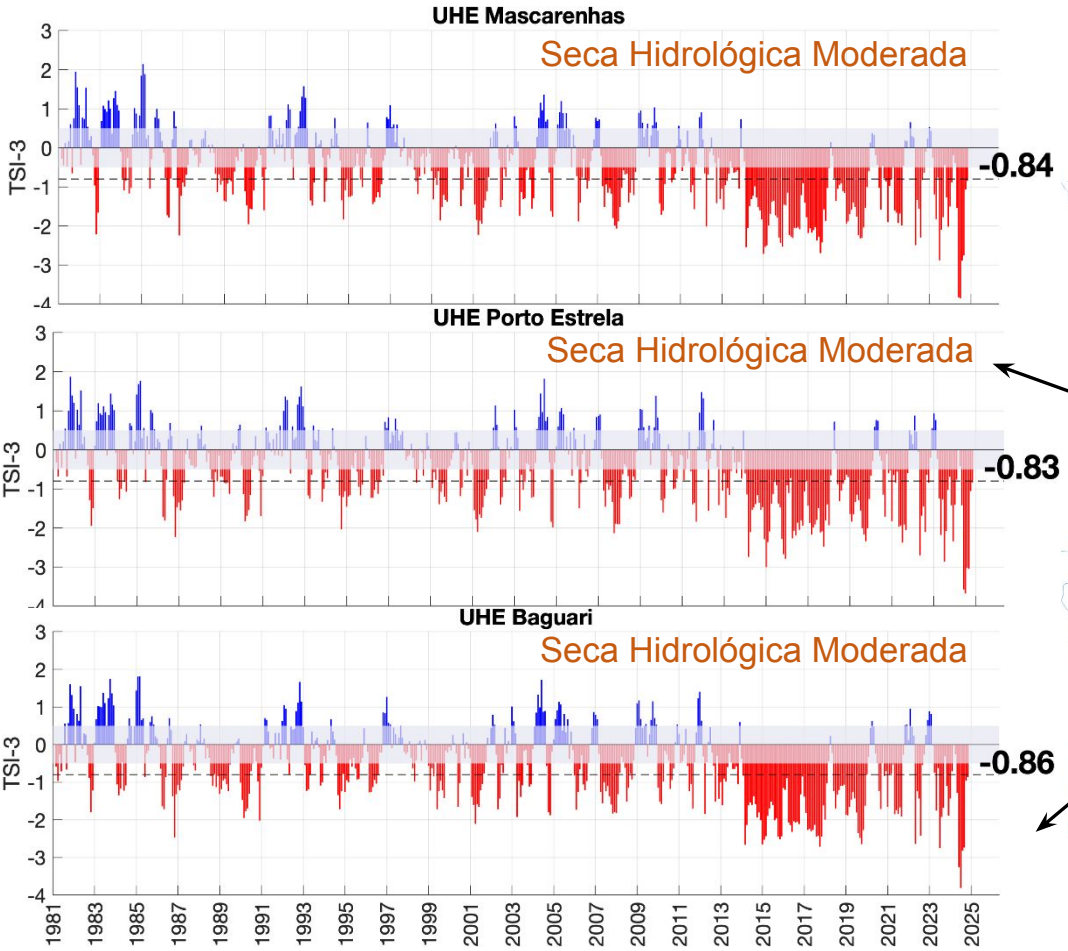
Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de longo prazo: TSI-6 meses

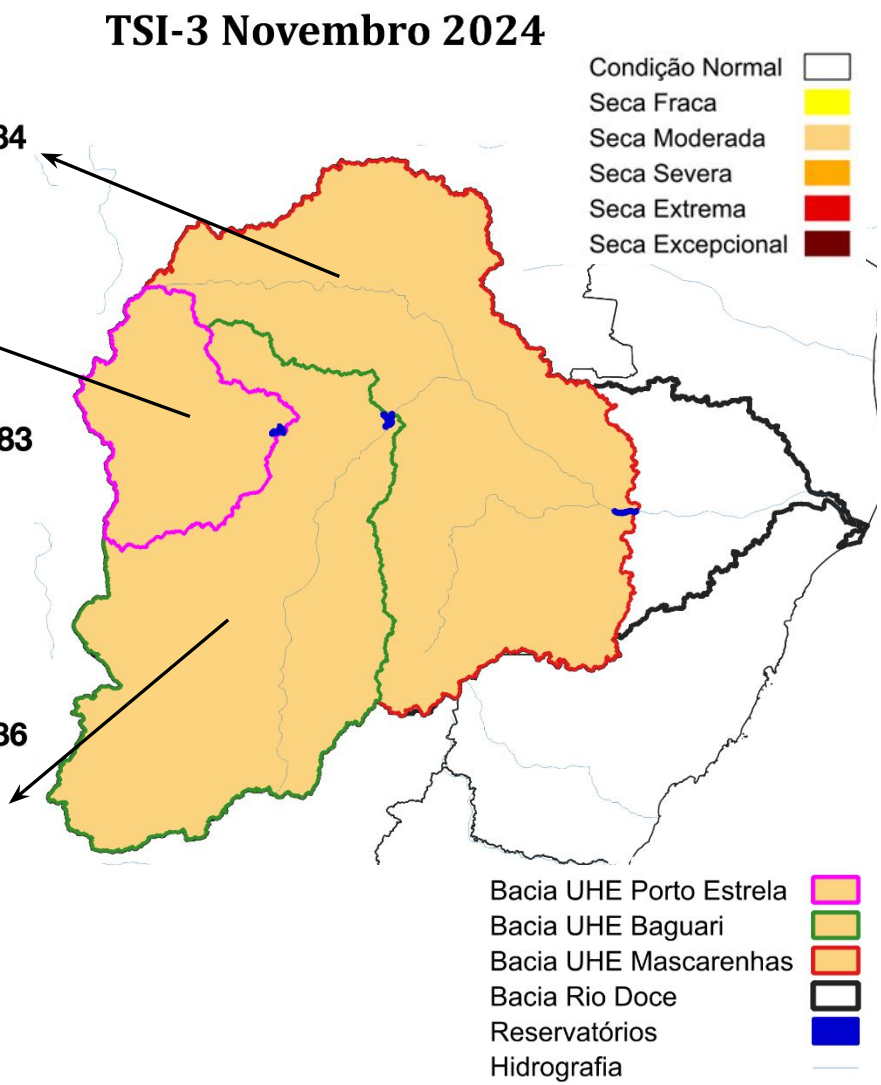




Fonte: CEMADEN
Dados: Precipitação (MERGE)
Vazão (ONS/ANA) - Jan/1981-Nov/2024.

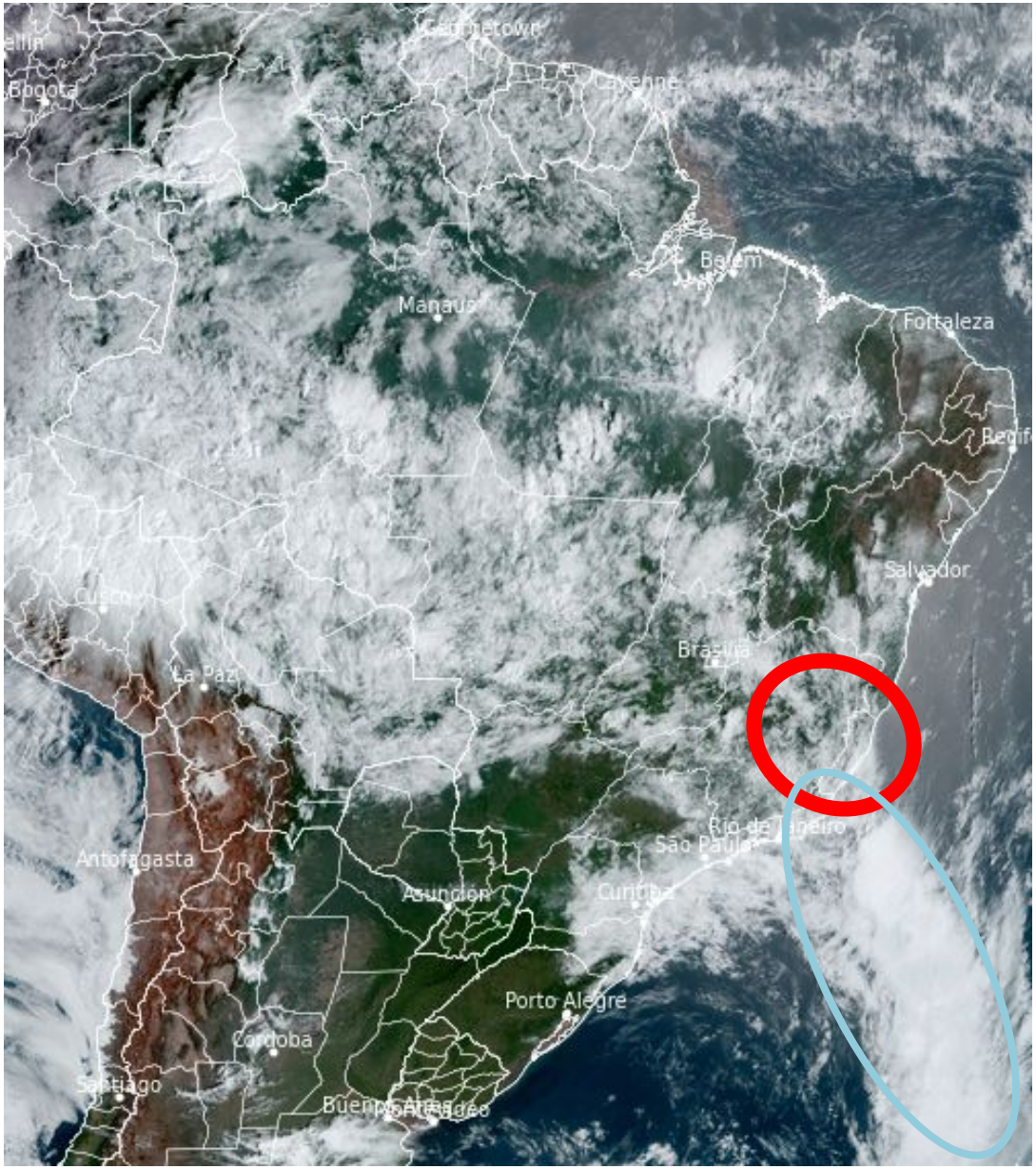
Índice Bivariado de Seca (Precipitação-Vazão) - TSI
Escala de curto prazo: TSI-3 meses



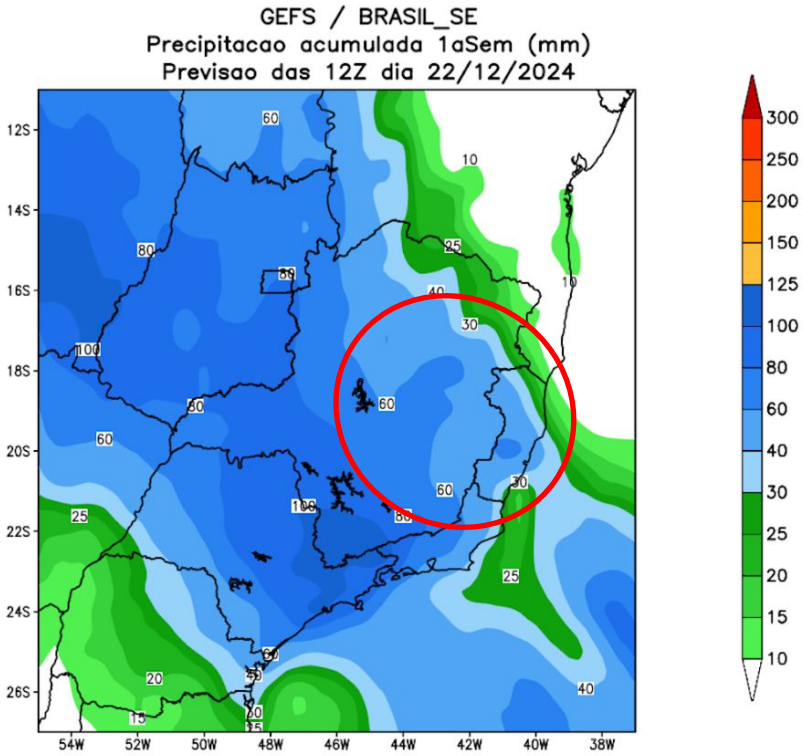


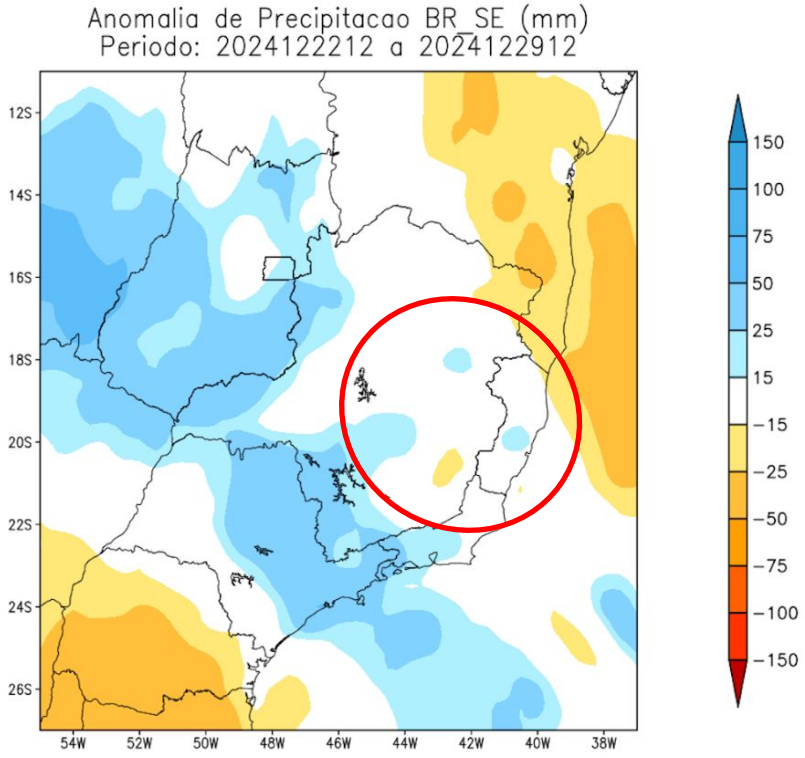
Fonte: CEMADEN
Dados: Precipitação (MERGE)
Vazão (ONS/ANA) - Jan/1981-Nov/2024.

Situação meteorológica atual



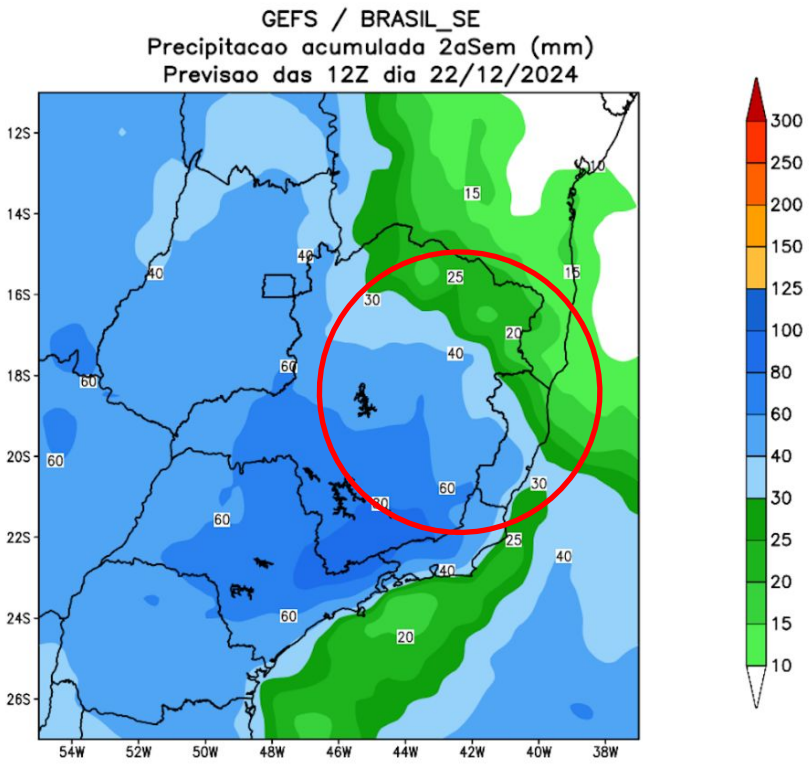
Previsão de chuva para os próximos 7 dias

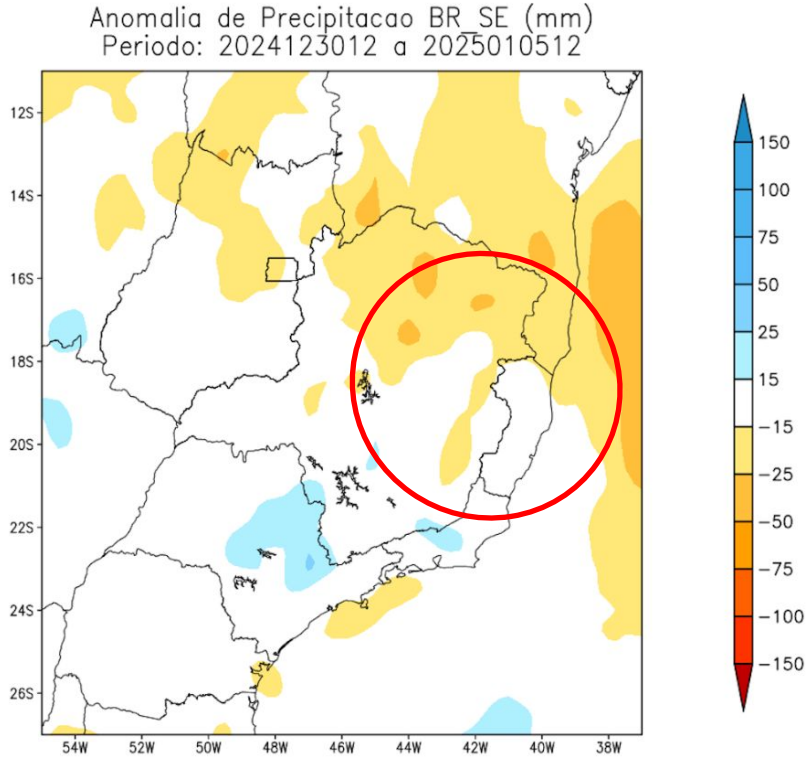




Fonte: GEFS/NOAA

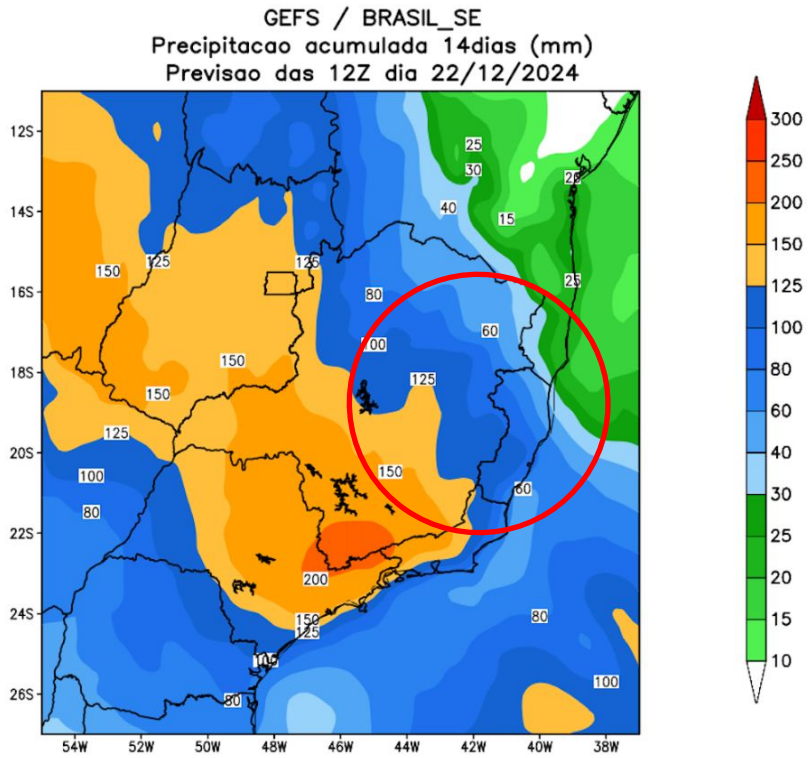
Tendência para a 2ª Semana

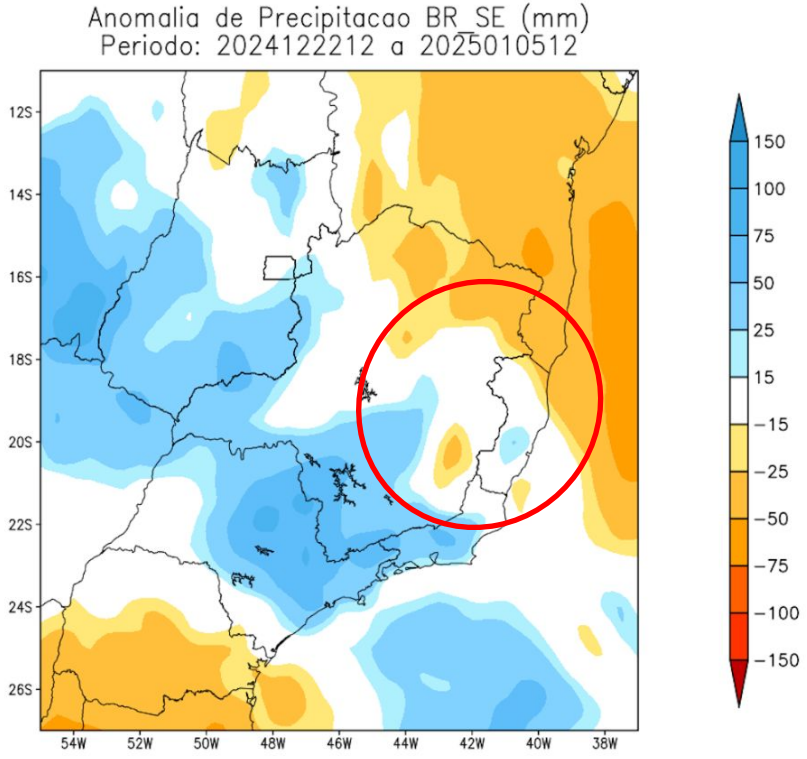




Fonte: GEFS/NOAA

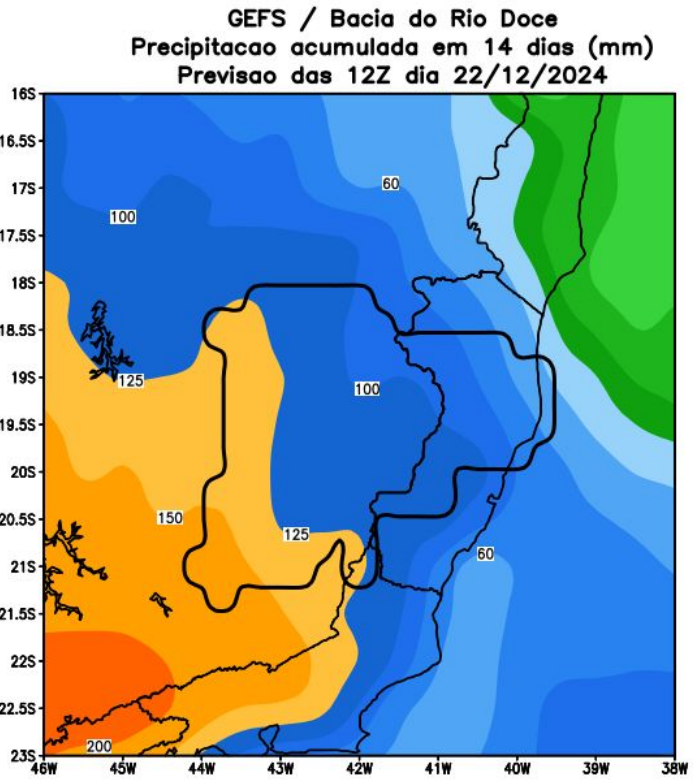
Tendência para as duas próximas semanas

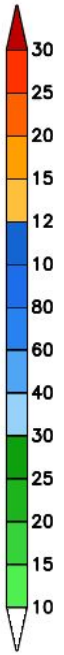


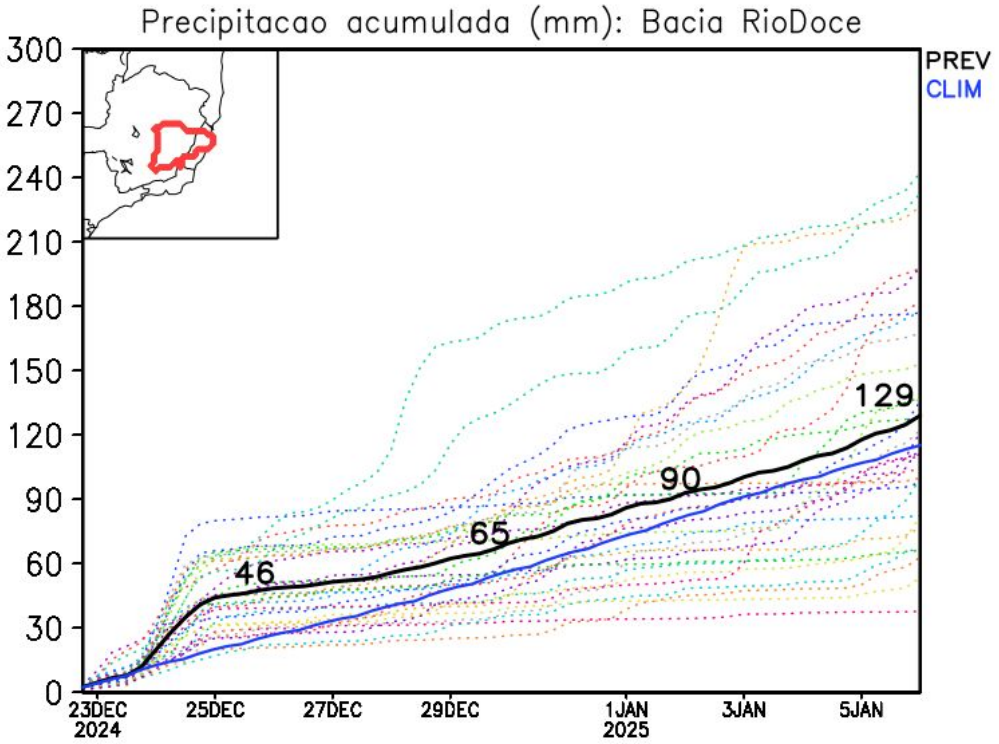


Fonte: GEFS/NOAA

Bacia do rio Doce



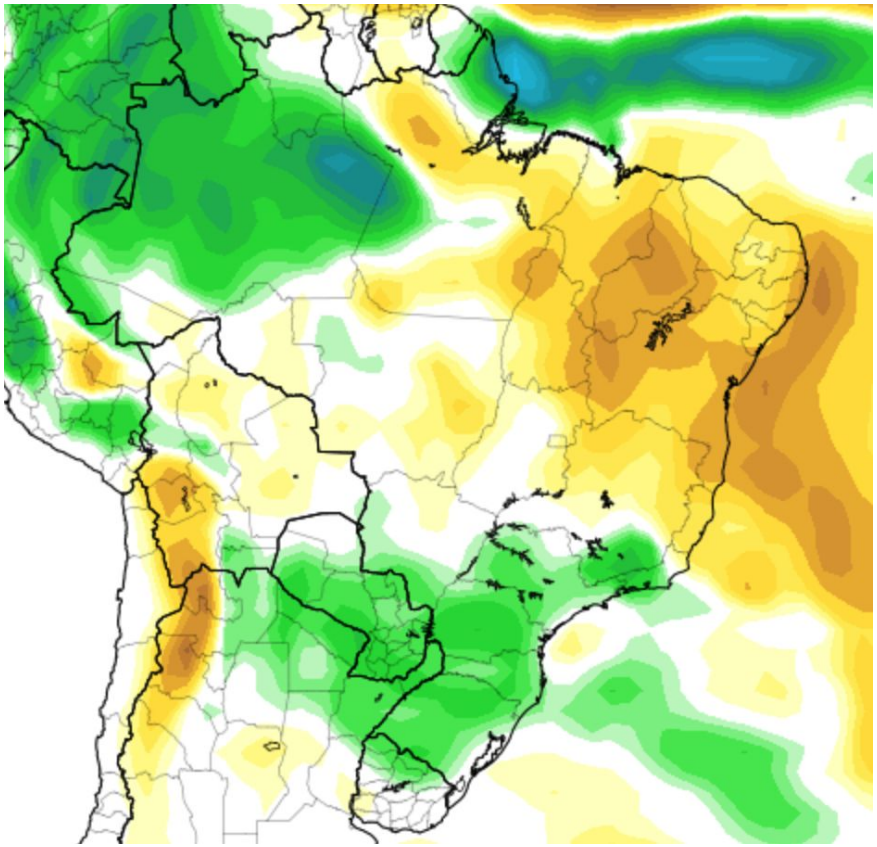




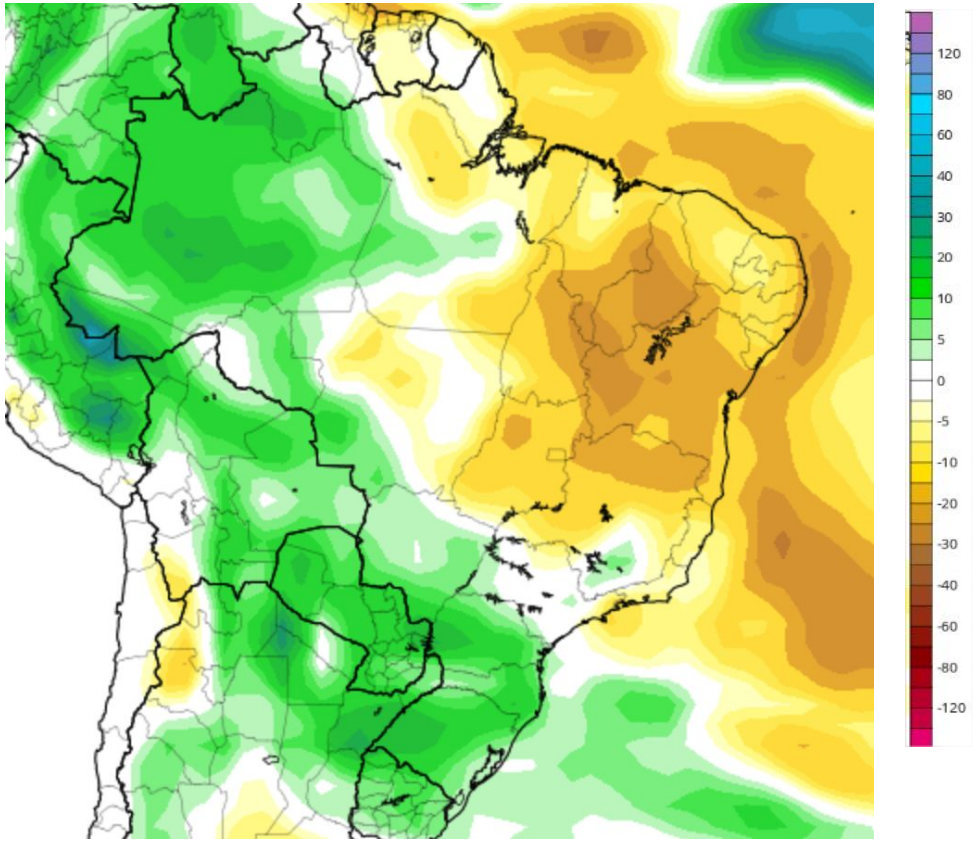
Fonte: GEFS/NOAA

Tendência 3a e 4a semanas

06-12 Jan



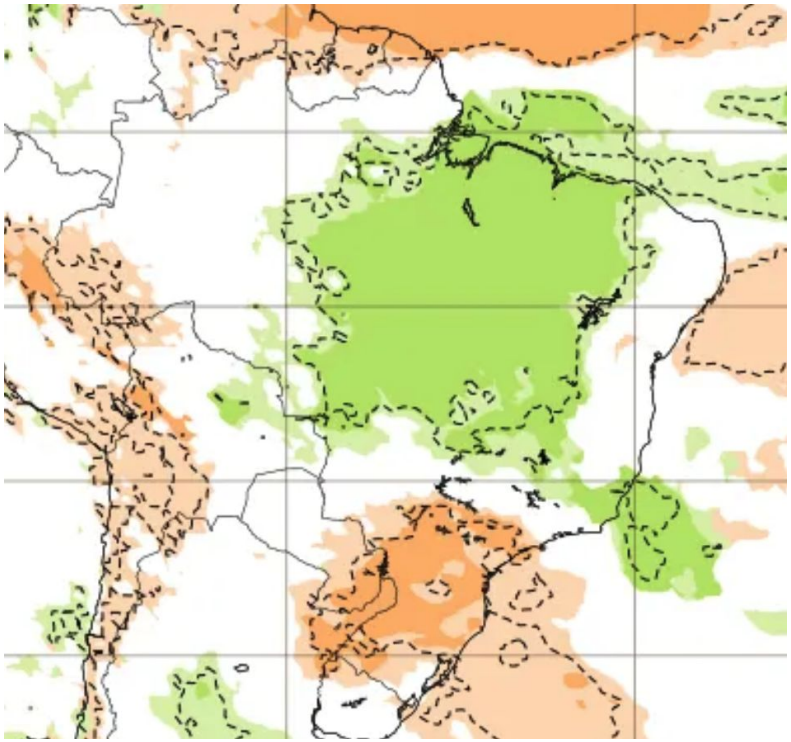
13-19 Jan



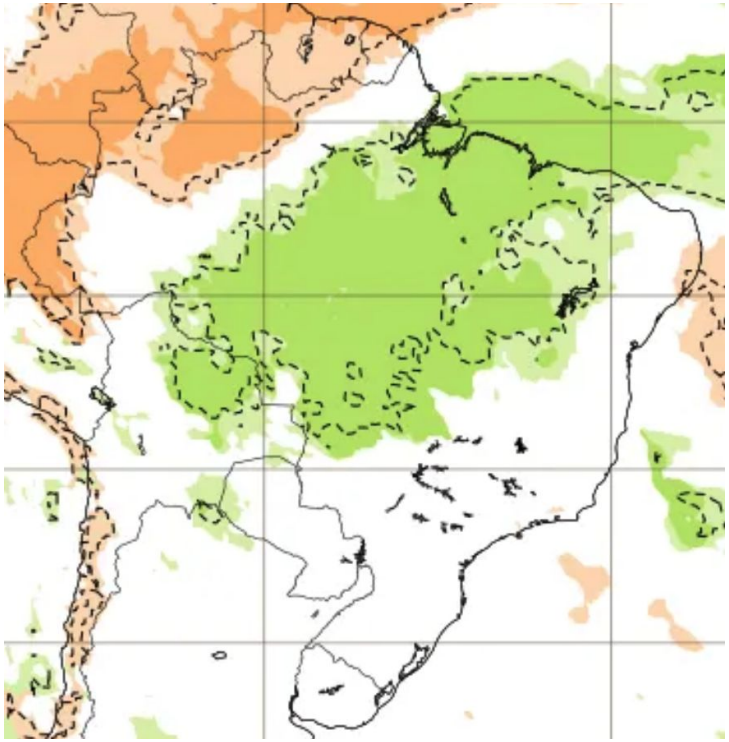
Modelo CFS/NOAA

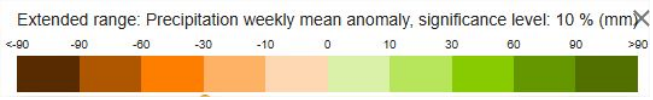
Tendência para 3ª e 4ª semanas

06-12 Jan



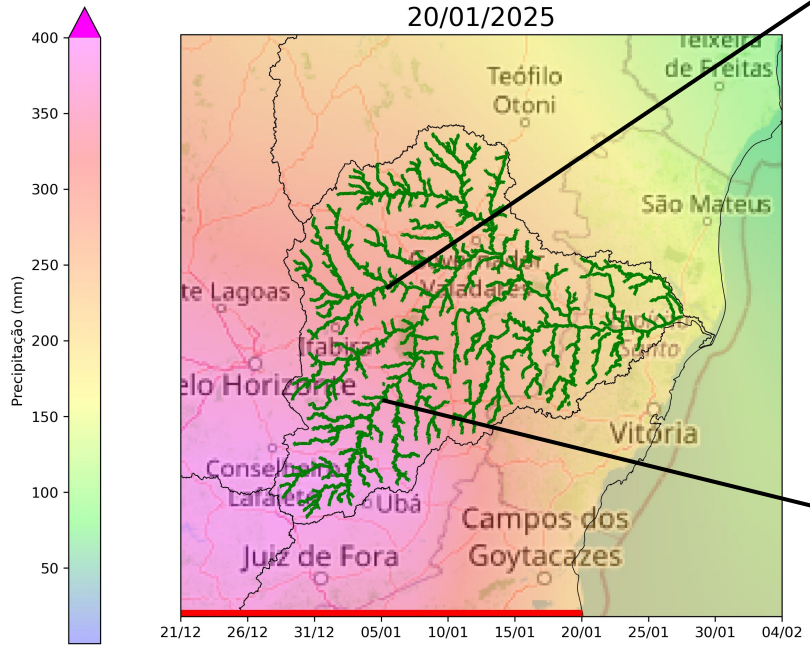
13-19 Jan





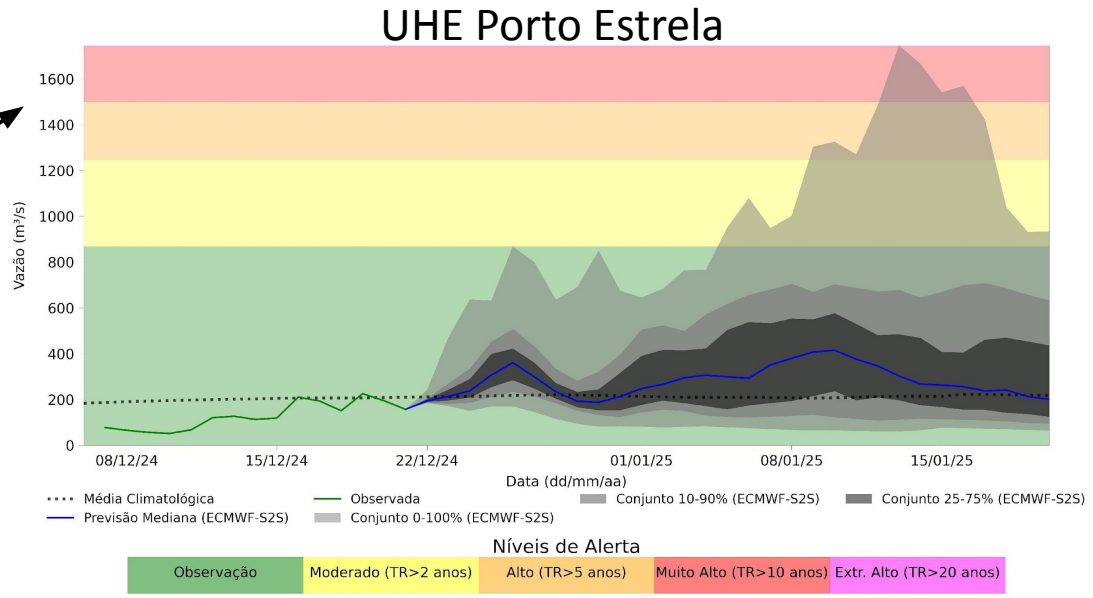
MODELO ECMWF

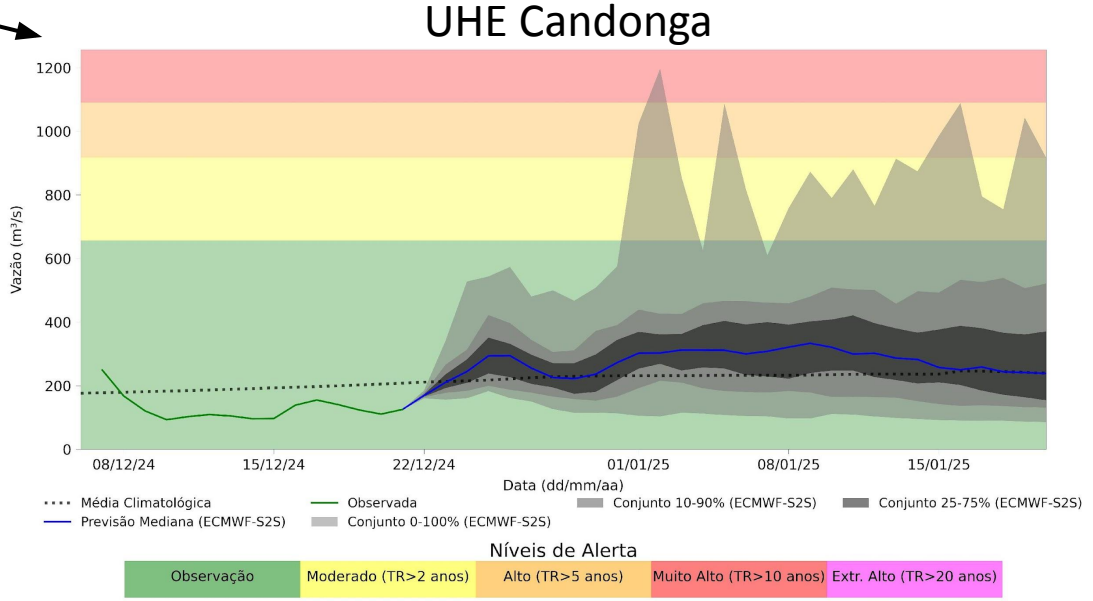
Previsão de vazão natural na Bacia Rio Doce 30 dias (Modelo hidrológico MHD)



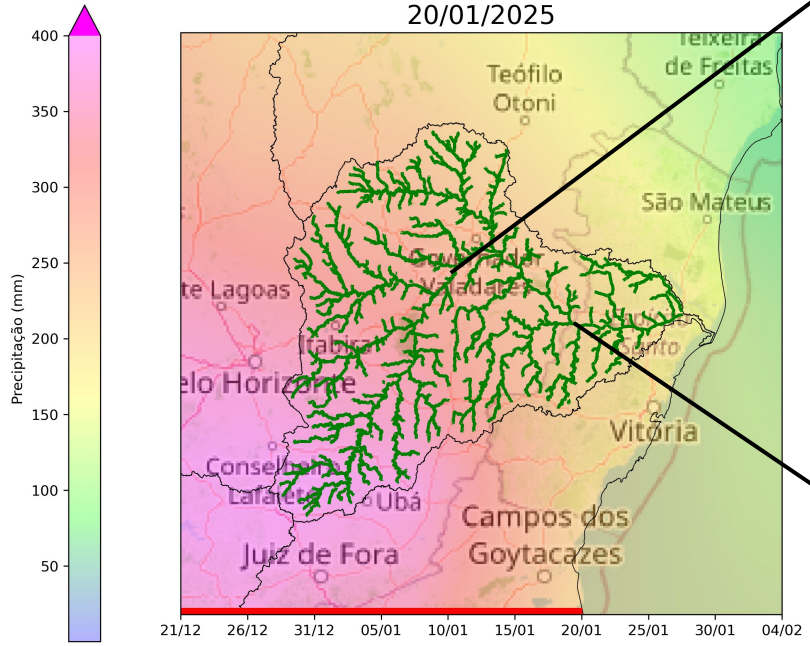
Observação
Moderado (25% acima do TR 2 anos)
Alto (25% acima do TR 5 anos)
Muito Alto (25% acima do TR 10 anos)
Extrem. Alto (25% acima do TR 20 anos)

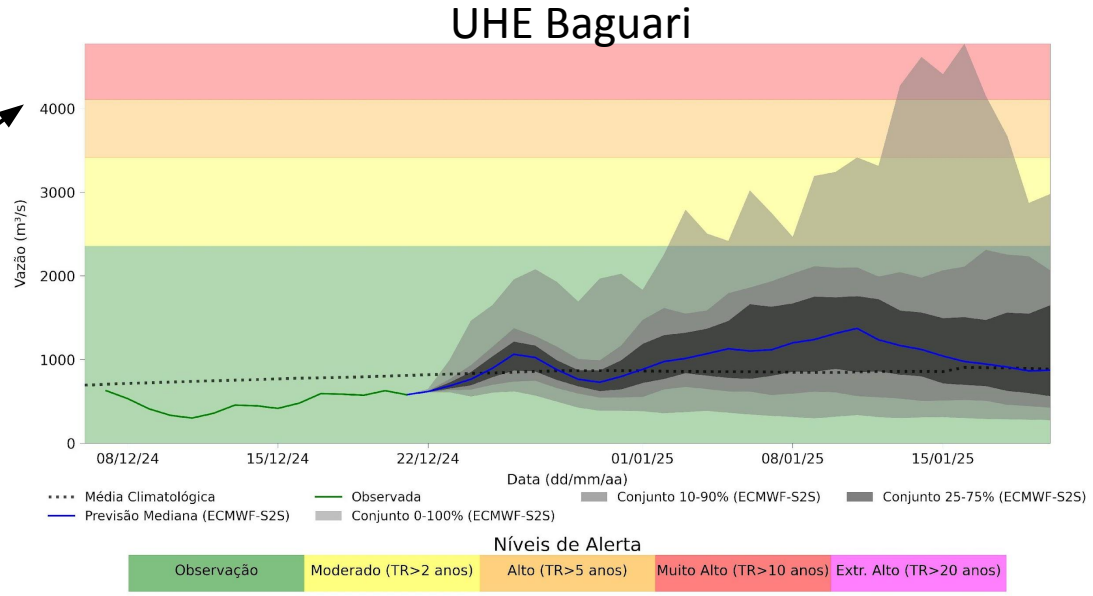
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)
FCP (Gumbel): 2003-2023
Previsão Meteorológica: ECMWF-S2S

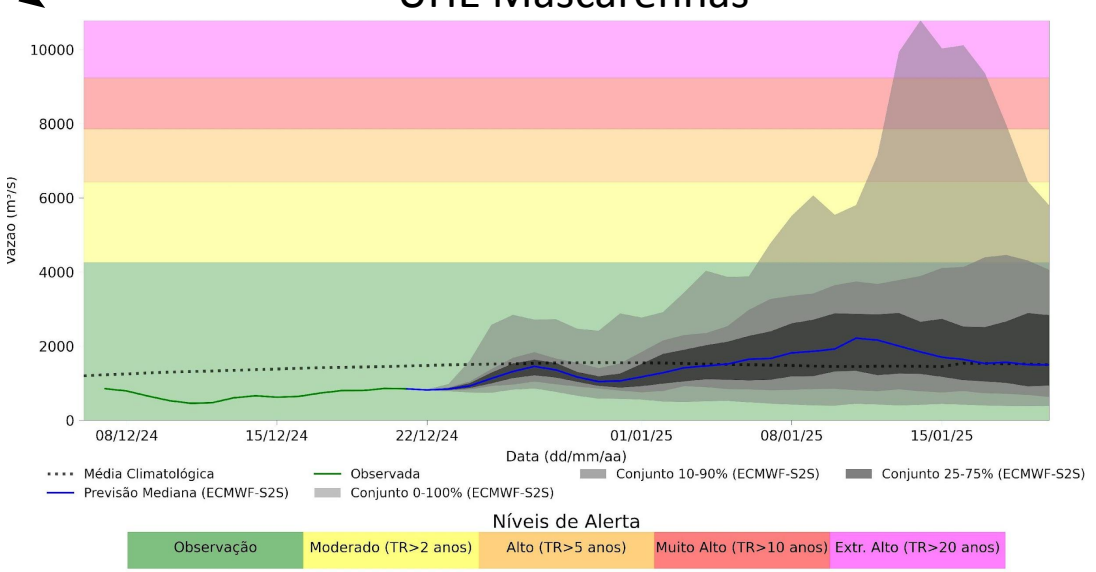




Previsão de vazão natural na Bacia Rio Doce 30 dias (Modelo hidrológico MHD)







- Observação
- Moderado (25% acima do TR 2 anos)
- Alto (25% acima do TR 5 anos)
- Muito Alto (25% acima do TR 10 anos)
- Extrem. Alto (25% acima do TR 20 anos)

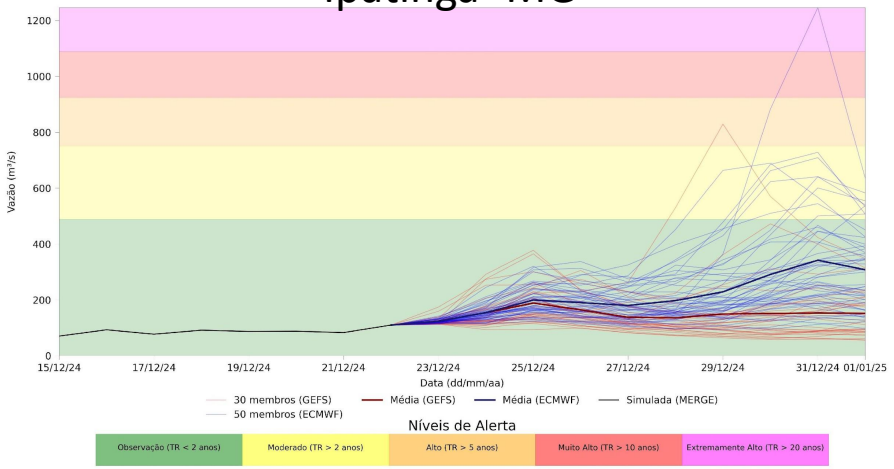
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

FCP (Gumbel): 2003-2023

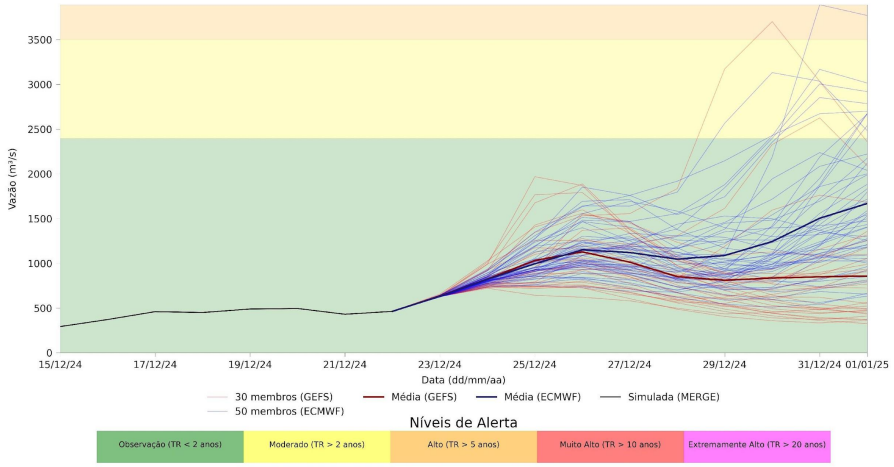
Previsão Meteorológica: ECMWF-S2S

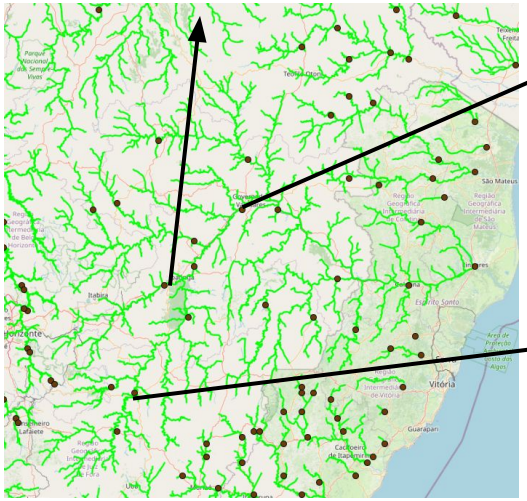
Previsão de vazão natural na Bacia Rio Doce
10 dias (Modelo hidrológico MHD)

Ipatinga -MG

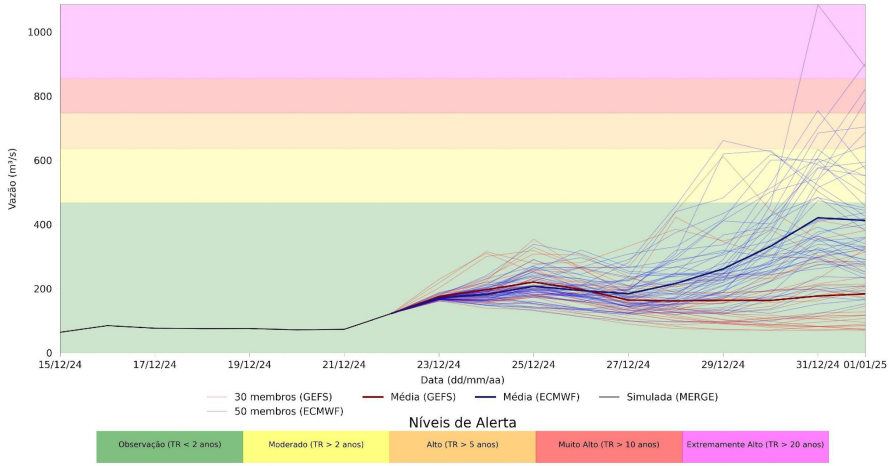


Governador Valadares -MG





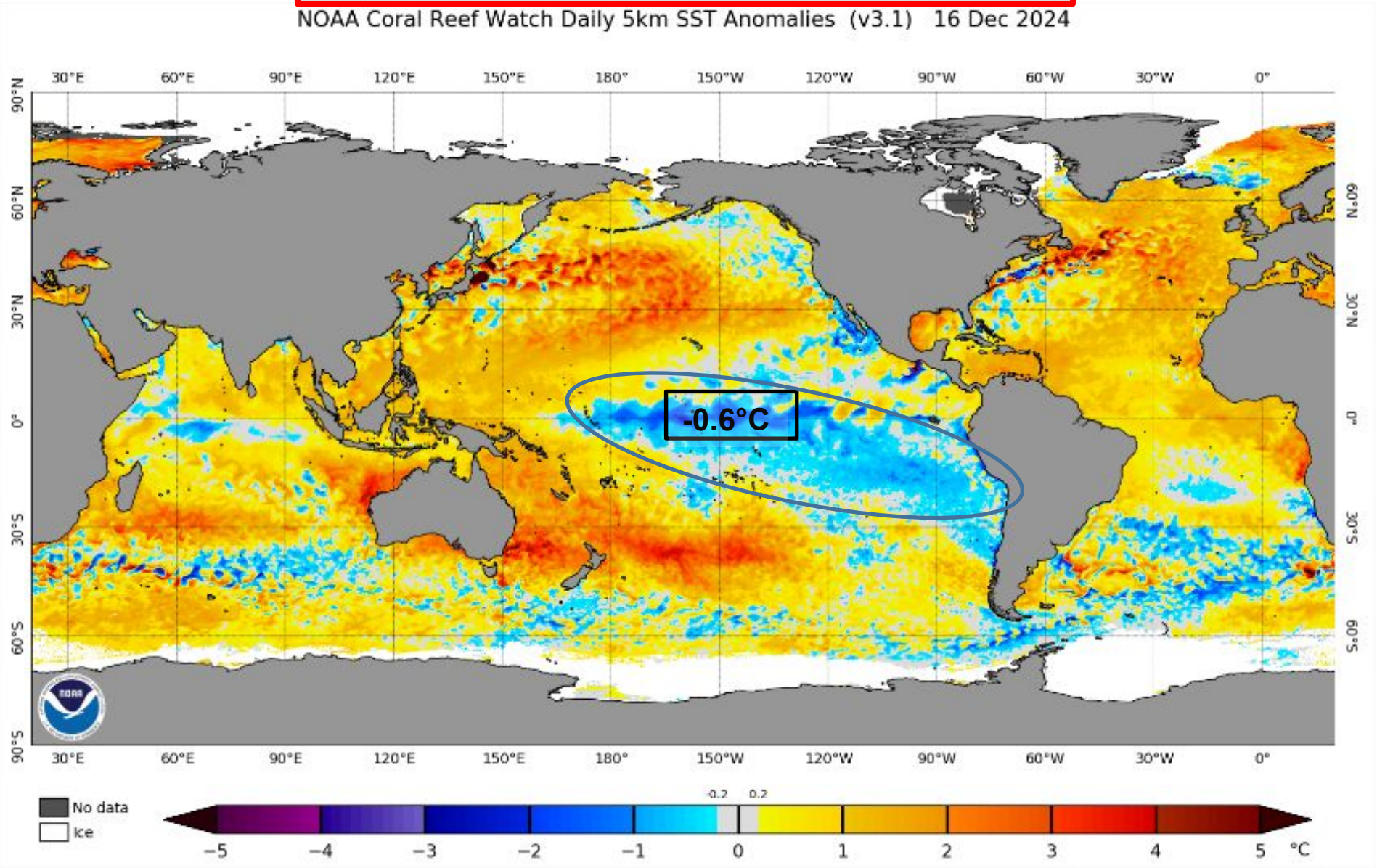
Ponte Nova -MG



- Observação
- Moderado (média GEFS acima do TR 2 anos)
- Alto (média GEFS acima do TR 5 anos)
- Muito Alto (média GEFS acima do TR 10 anos)
- Extrem. Alto (média GEFS acima do TR 20 anos)

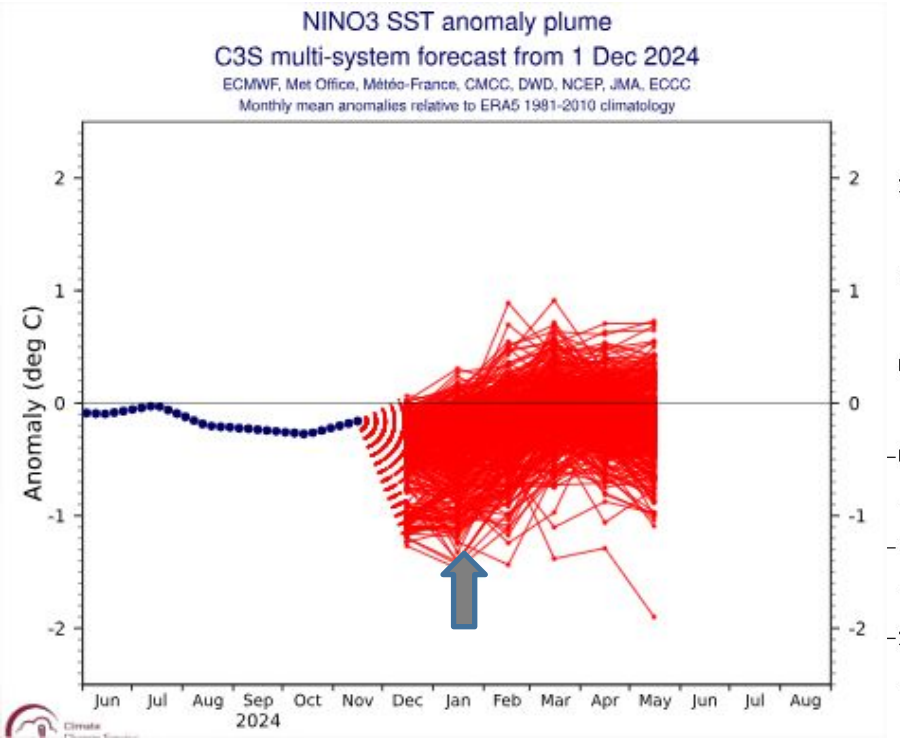
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)
FCP (Gumbel): 2003-2023
Previsão Meteorológica: ECMWF e GEFS

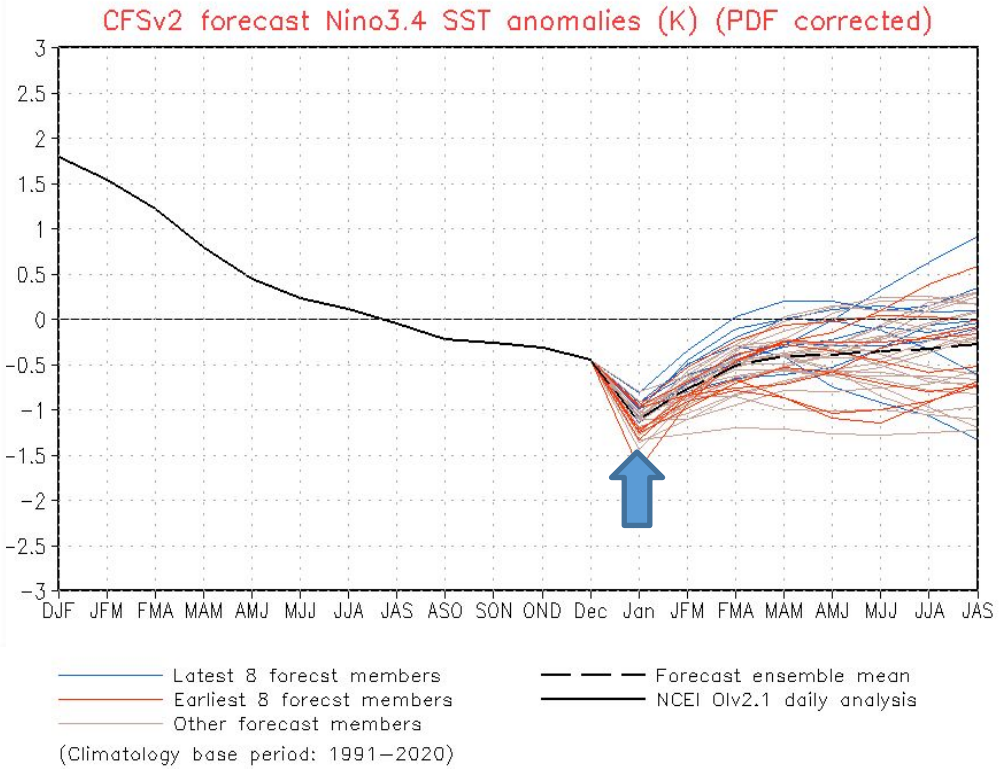
Status Atual: La Niña Watch



FONTE: NOAA

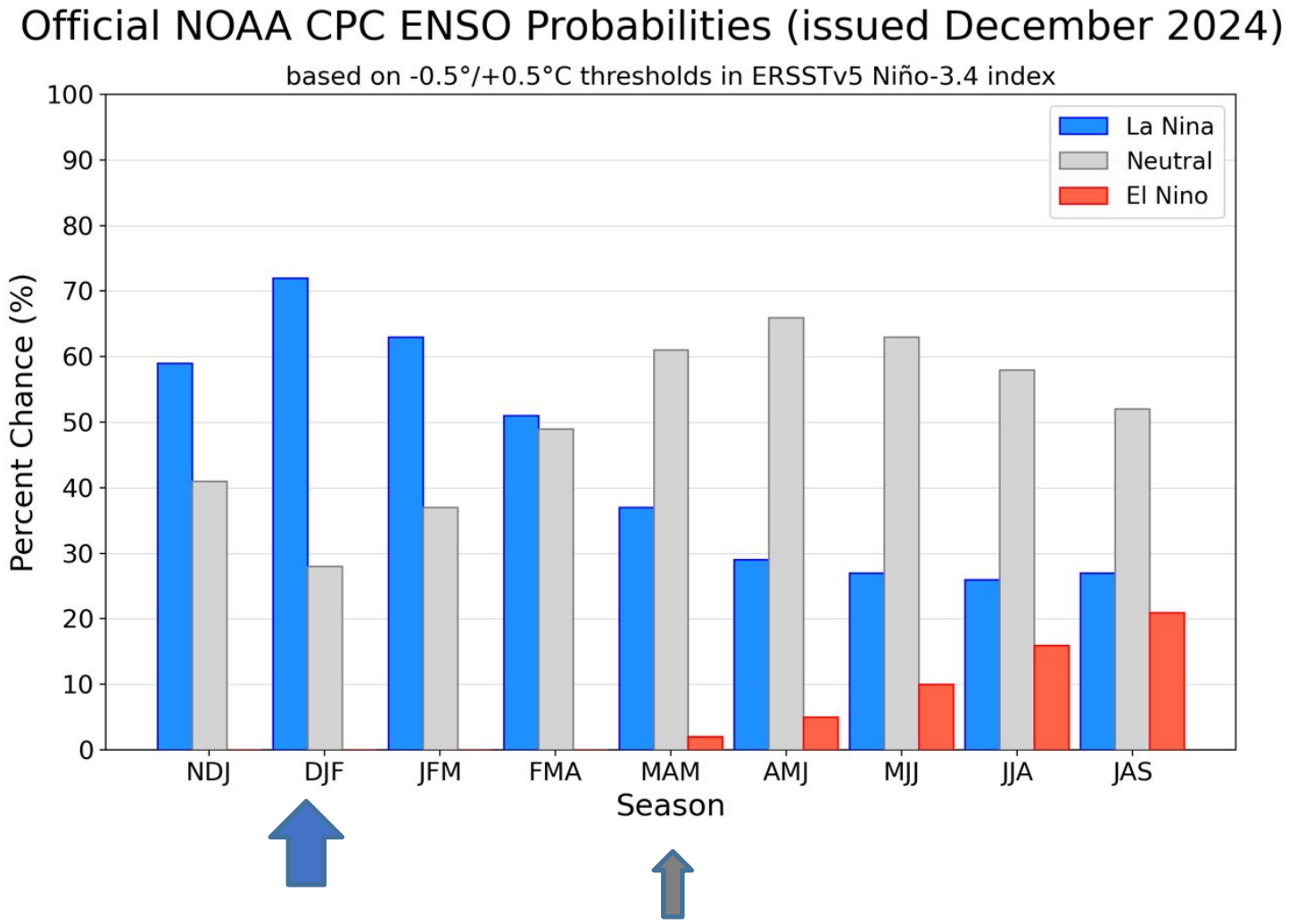
Previsão do “ENSO”



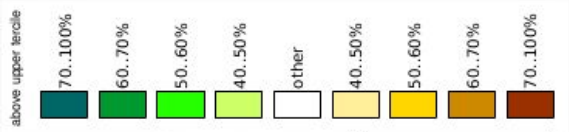


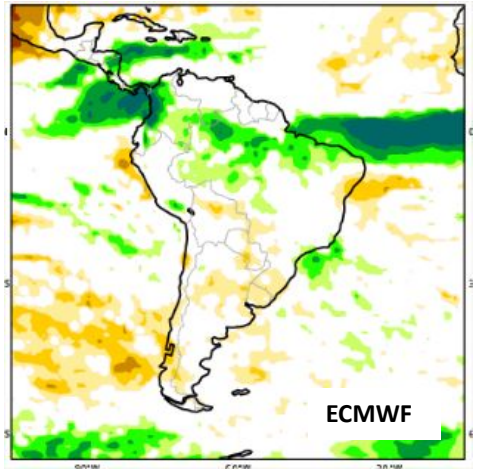
Atualizado 16 de dezembro

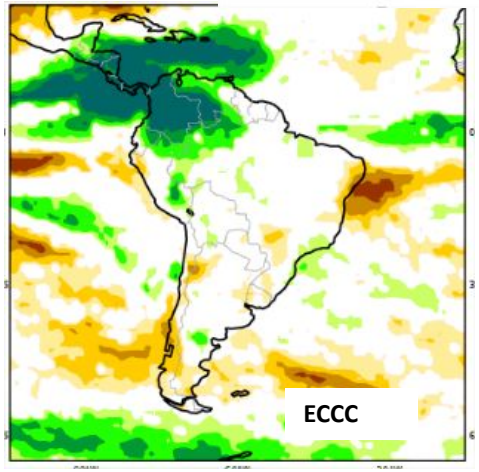
Previsão do “ENSO”

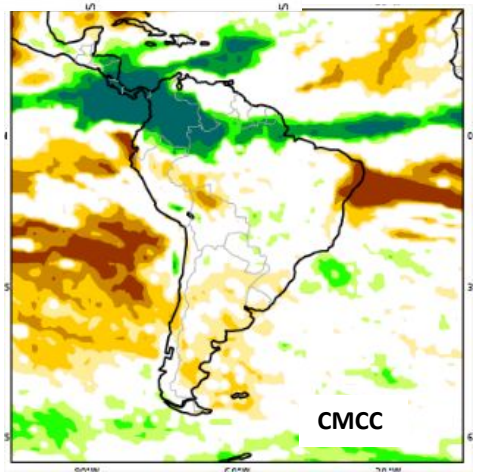


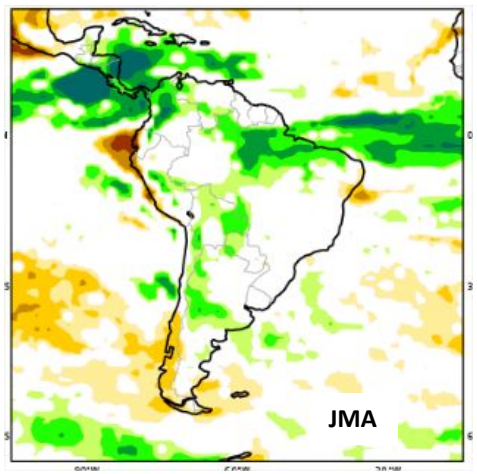
Previsão Sazonal de Chuva JFM

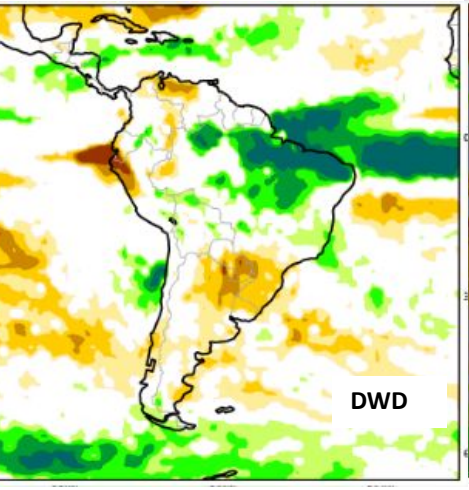


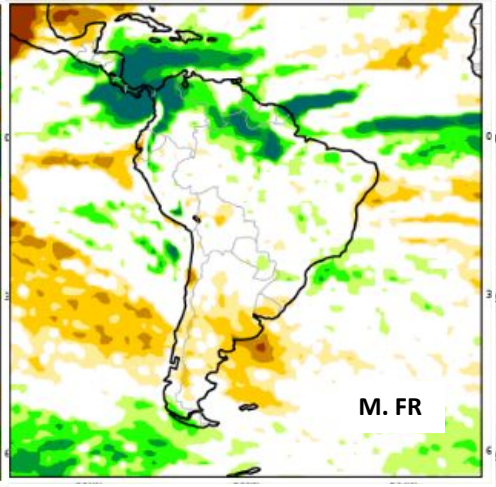


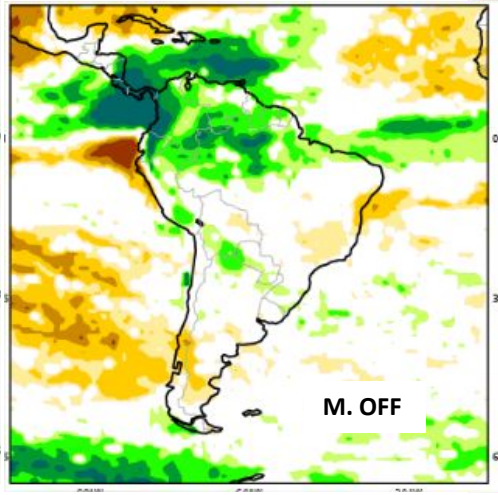


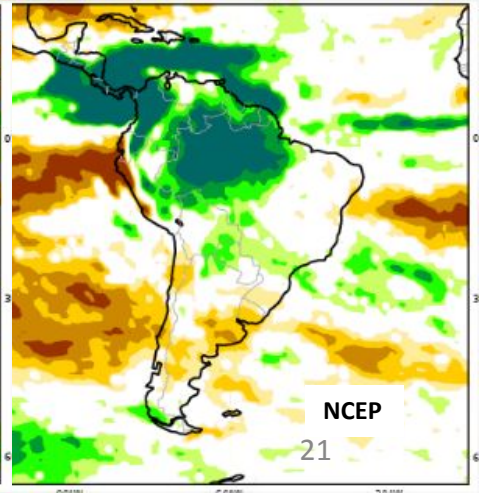






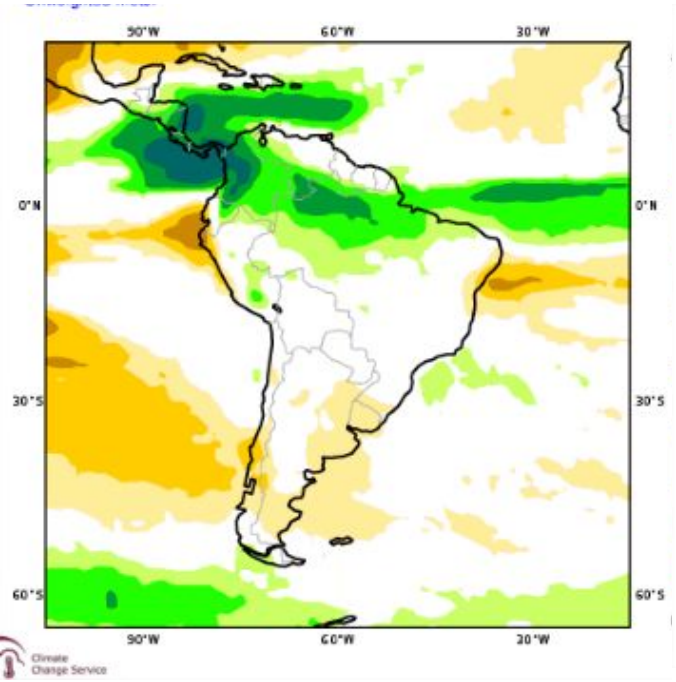


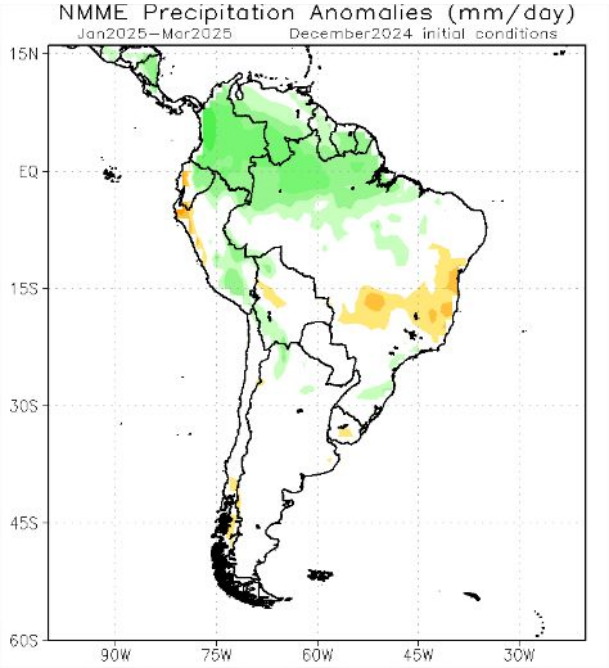


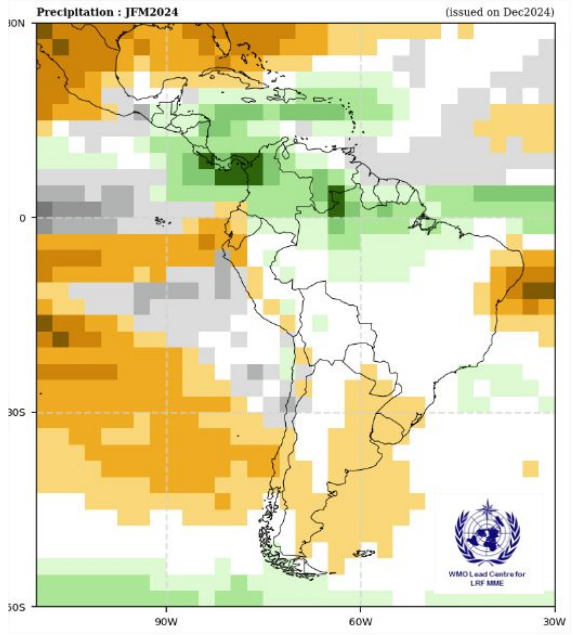


Previsão Sazonal de Chuva Multi-Modelo

Janeiro-Fevereiro-Março







Modelos Europeus

Modelos Norte Americanos

Modelos da WMO