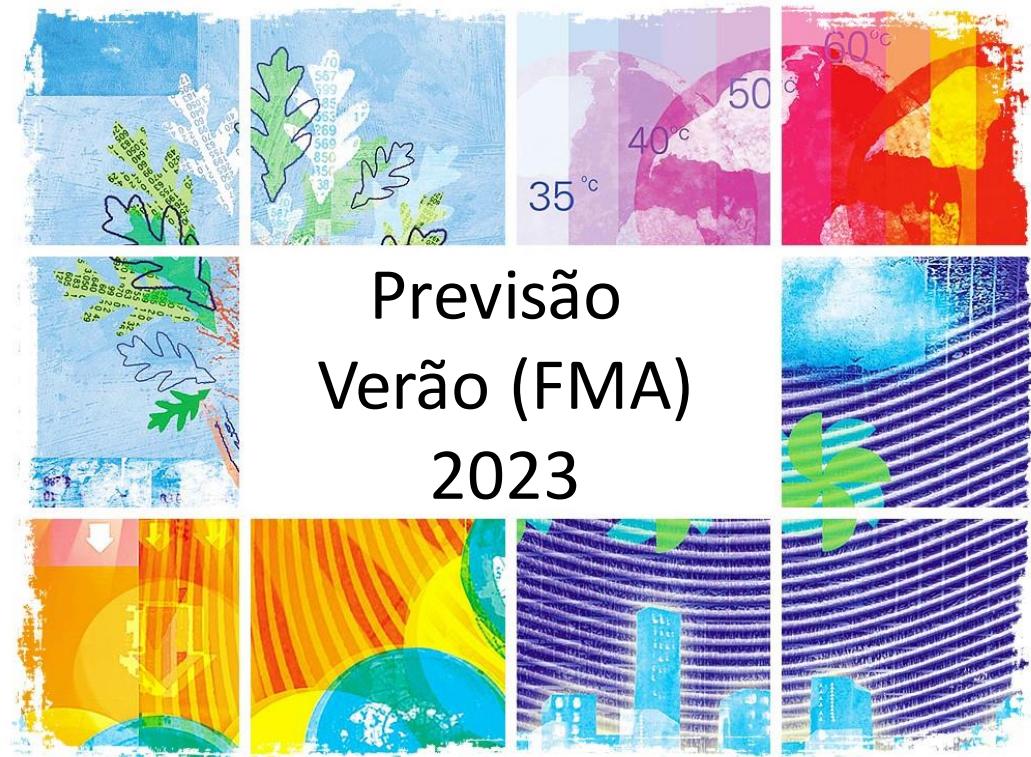


VI Reunião Climática Mensal

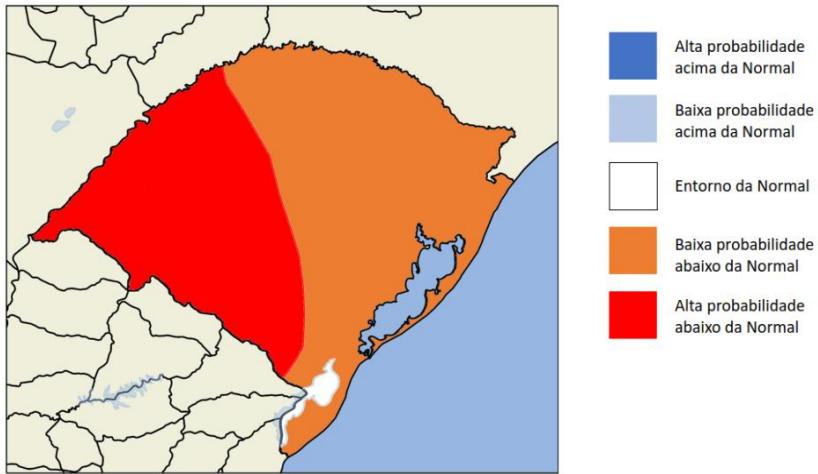


Verificação da previsão para NDJ

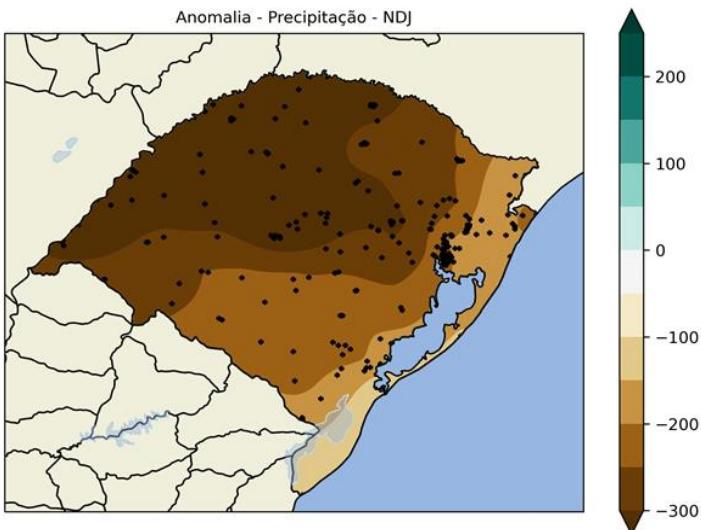
Previsão por consenso realizada em Outubro de 2022

Precipitação

Previsto:



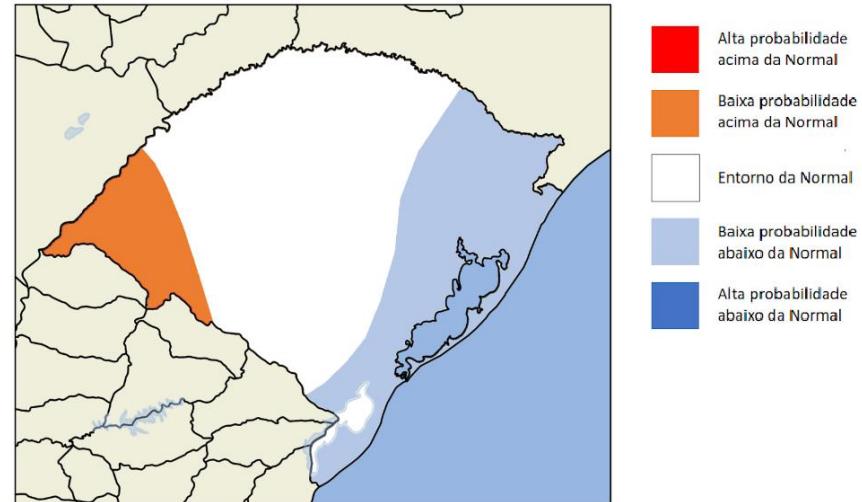
Observado:



Verificação da previsão para NDJ

Previsão por consenso realizada em Setembro de 2022

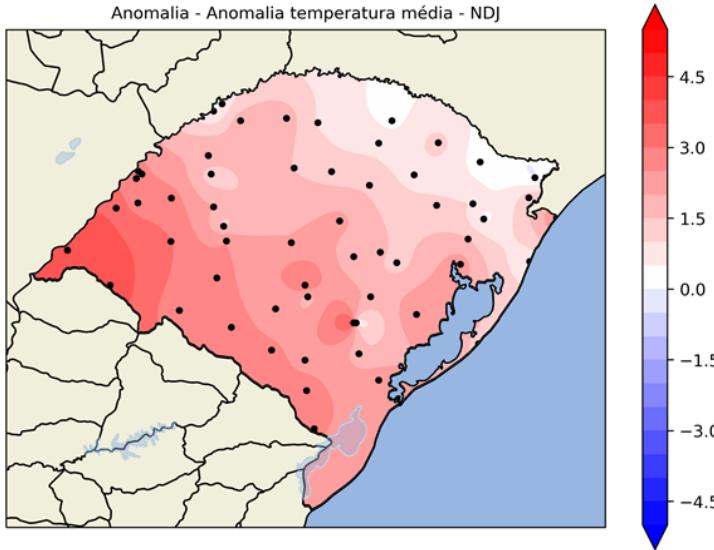
Temperatura do ar



Previsto:

Observado:

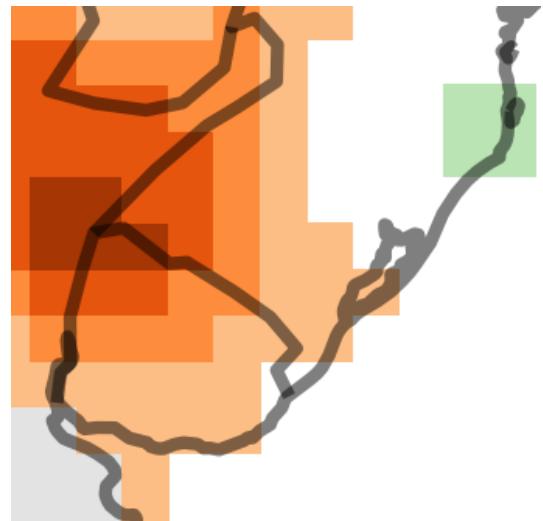
Anomalia - Anomalia temperatura média - NDJ



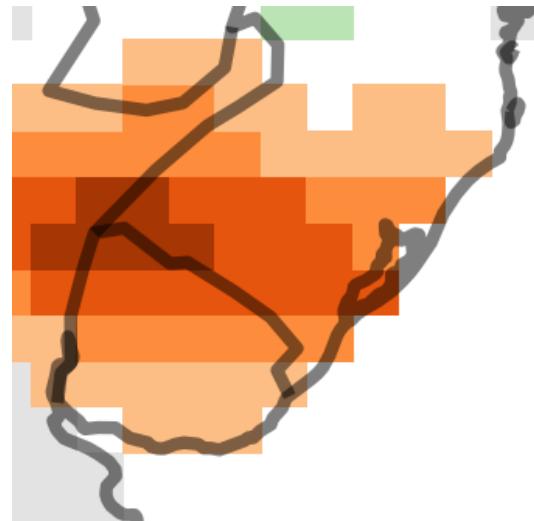
Verificação dos modelos por tempo de antecedência

Anomalia de Precipitação sazonal IRI-NMME (NDJ/2023)

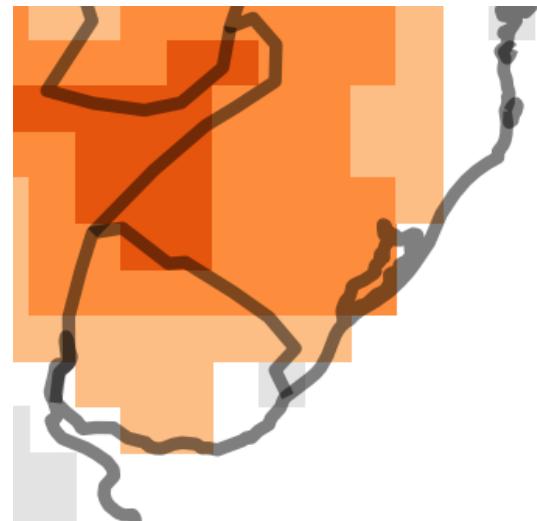
Iniciado em Agosto/2022



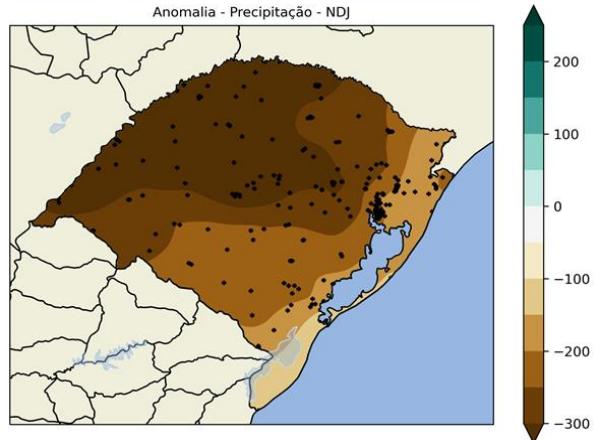
Iniciado em Setembro/2022



Iniciado em Outubro/2022



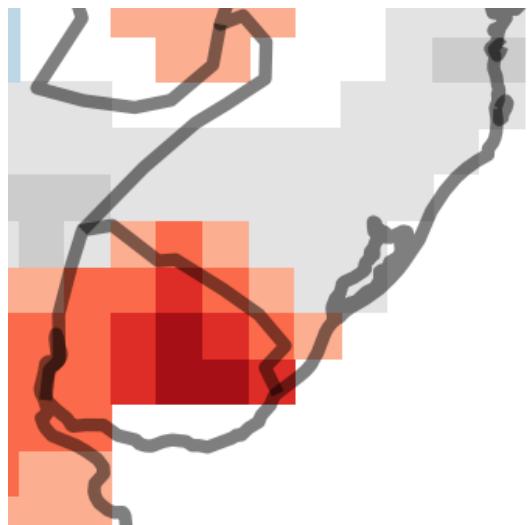
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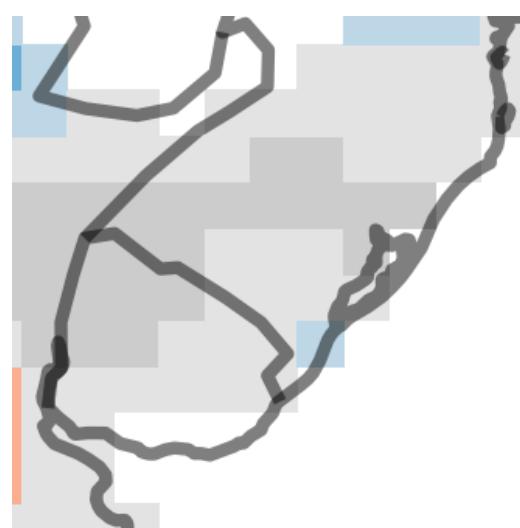
Verificação dos modelos por tempo de antecedência

Anomalia de Temperatura sazonal IRI-NMME (NDJ/2022)

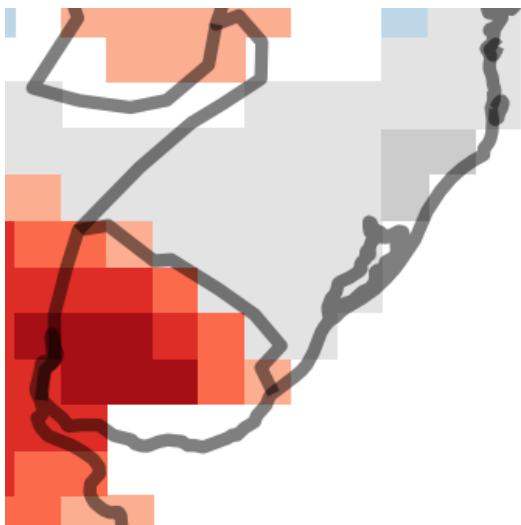
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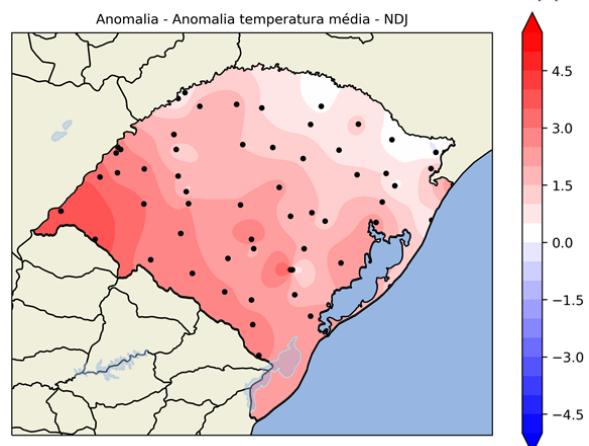
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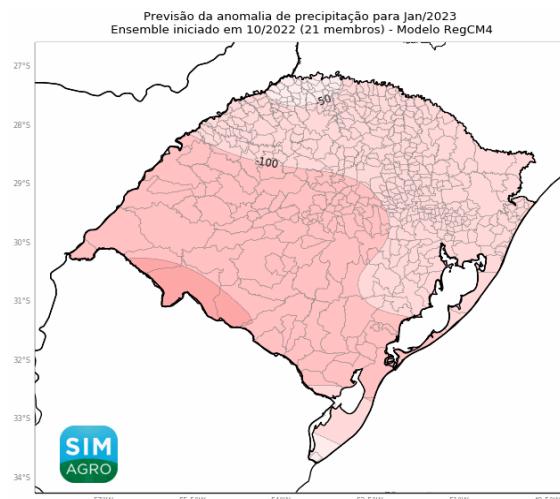
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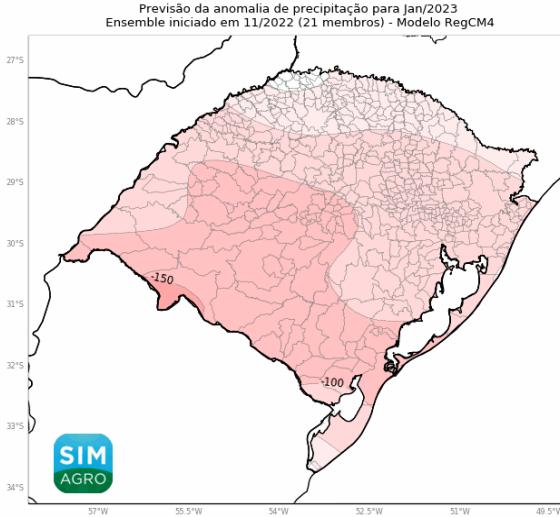
Verificação dos modelos por tempo de antecedência

Anomalia de Precipitação RegCM4 do SIMAGRO (Janeiro/2023)

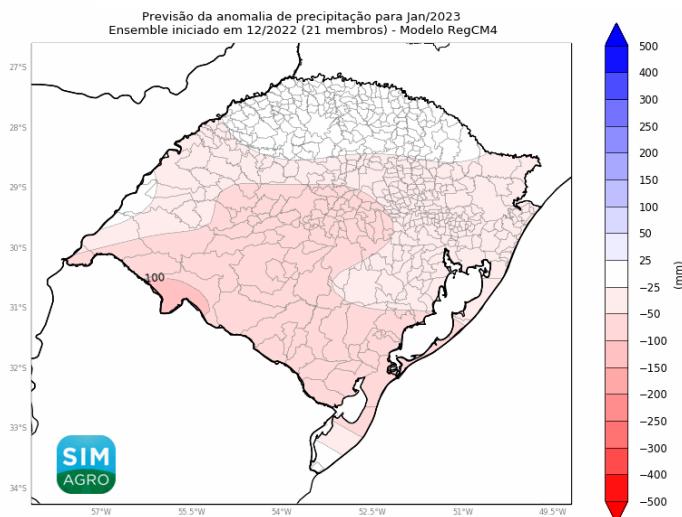
Iniciado em Outubro/2022



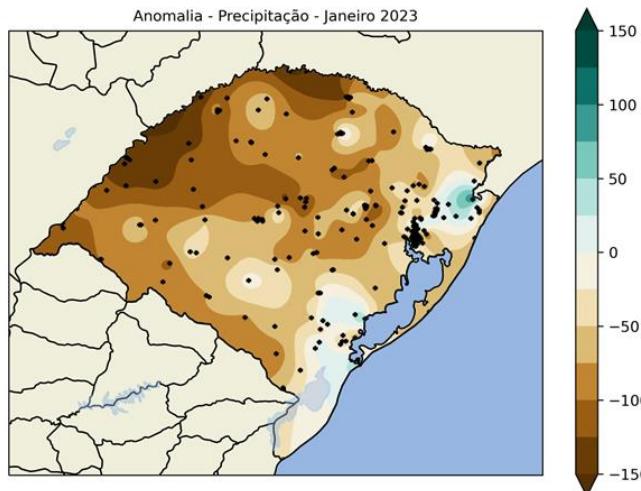
Iniciado em Novembro/2022



Iniciado em Dezembro/2022



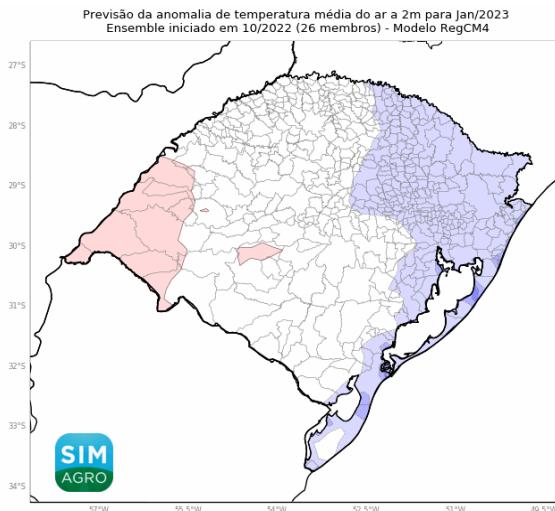
Observado:



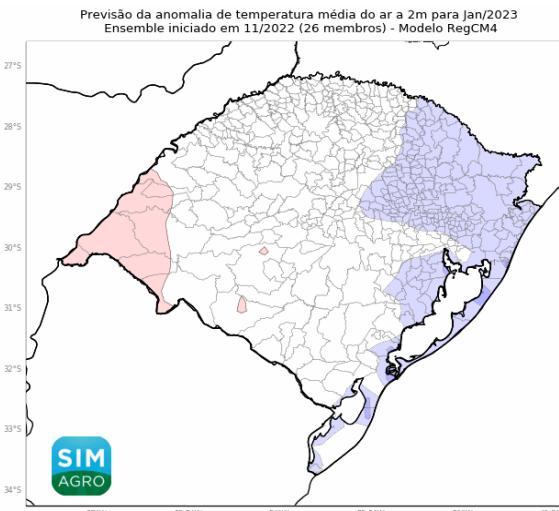
Verificação dos modelos por tempo de antecedência

Anomalia de Temperatura RegCM4 do SIMAGRO (Janeiro/2023)

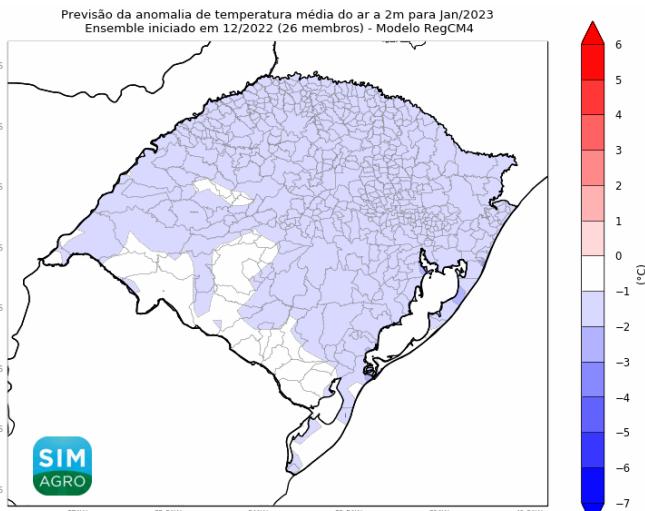
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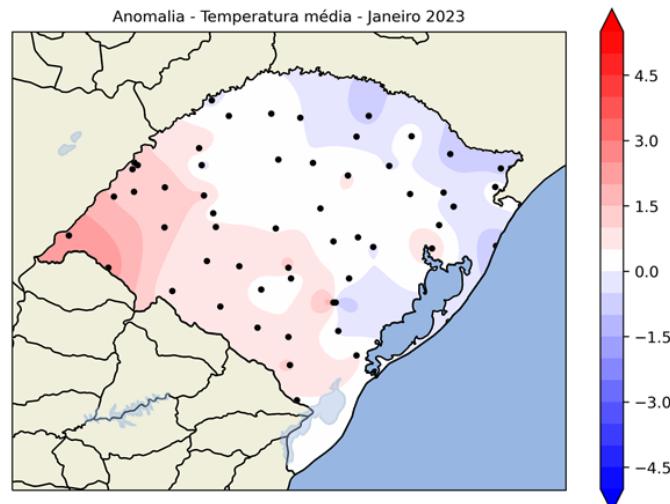
Iniciado em Novembro/2022



Iniciado em Dezembro/2022



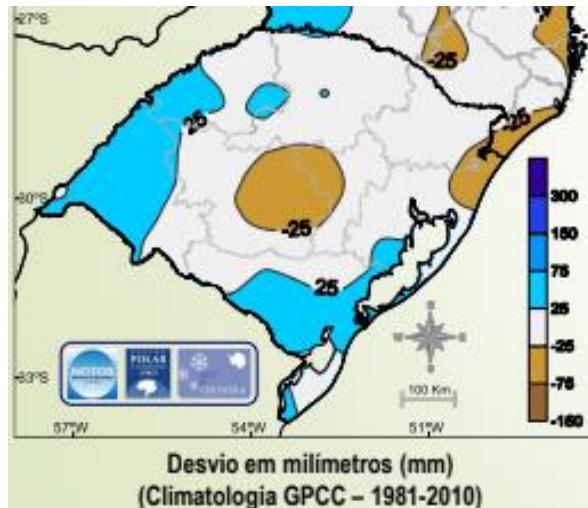
Observado:



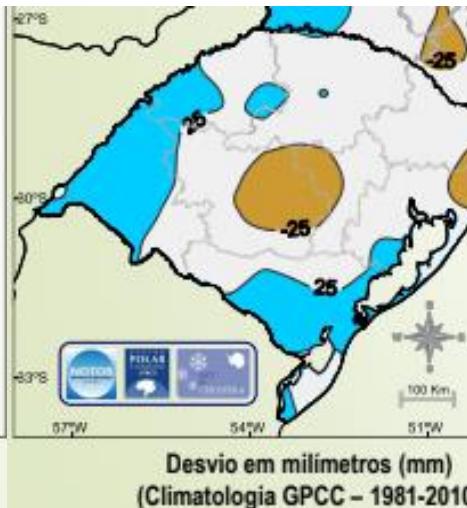
Verificação dos modelos por tempo de antecedência

Anomalia de Precipitação MoReClima-SUL (Janeiro/2023)

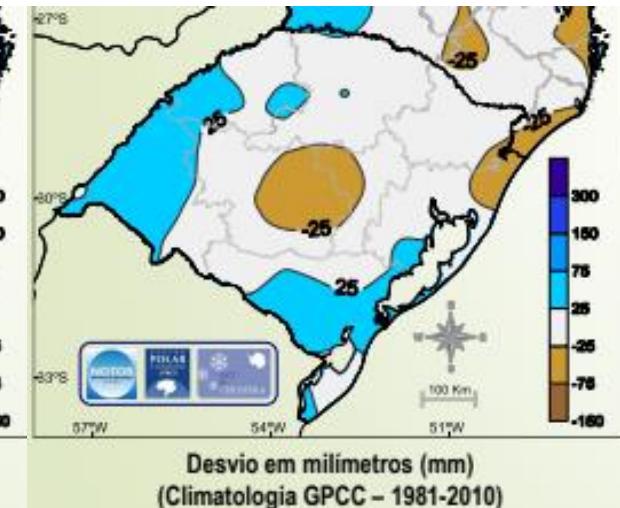
Iniciado em Outubro/2022



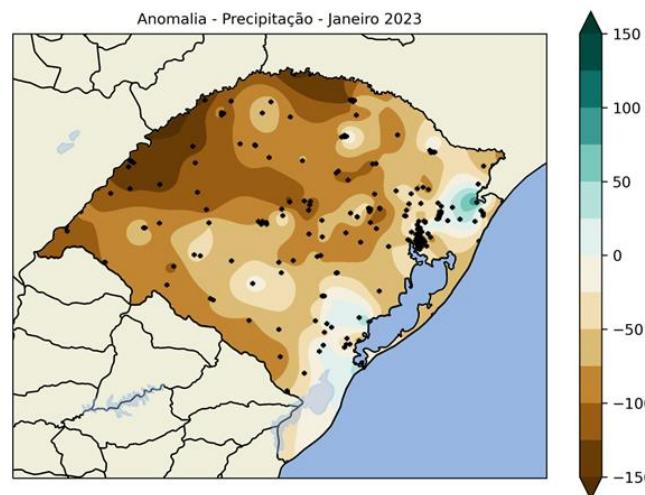
Iniciado em Novembro/2022



Iniciado em Dezembro/2022



Observado:



Verificação dos modelos por tempo de antecedência

Anomalia de Temperatura MoReClima-SUL (Janeiro/2023)

Iniciado em Outubro/2022



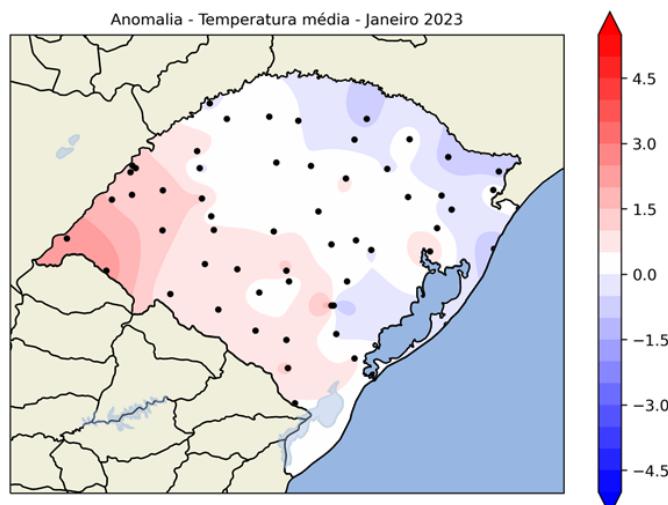
Iniciado em Novembro/2022



Iniciado em Dezembro/2022



Observado:



Verificação dos modelos por tempo de antecedência

Anomalia de Precipitação APCC (Janeiro/2023)

Iniciado em Outubro/2022



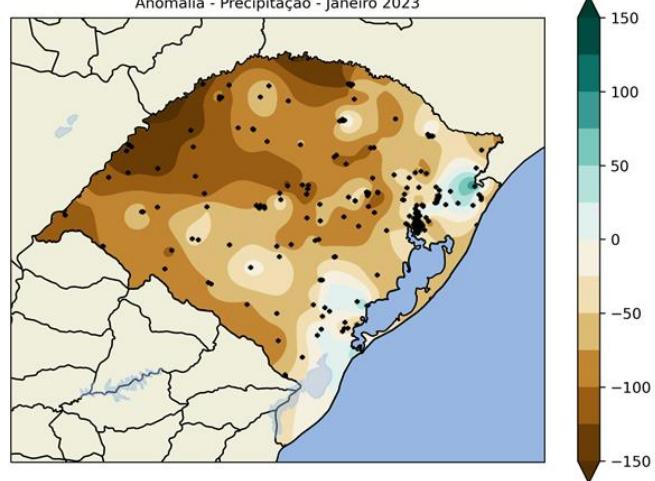
Iniciado em Novembro/2022



Iniciado em Dezembro/2022



Observado:



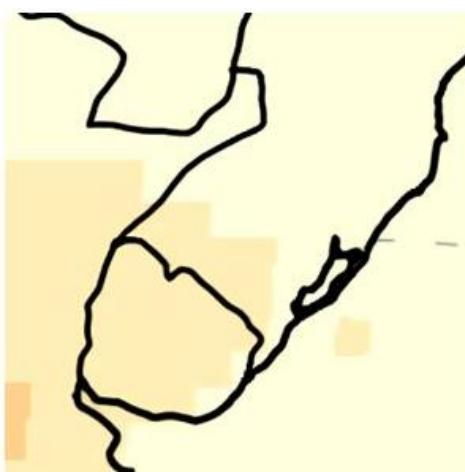
Verificação dos modelos por tempo de antecedência

Anomalia de Temperatura APCC (Janeiro/2023)

Iniciado em Outubro/2022



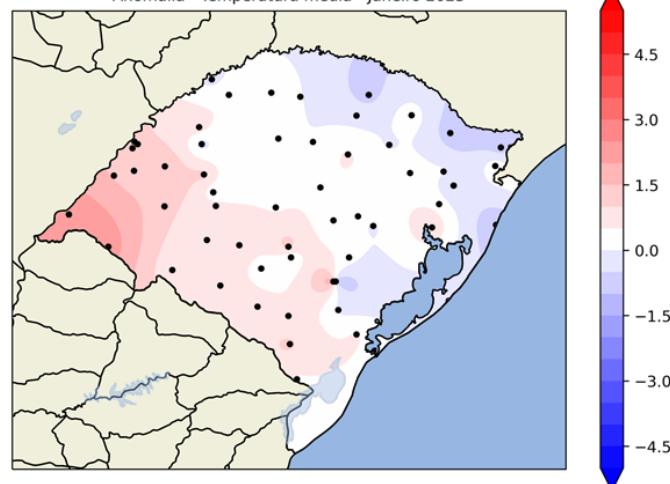
Iniciado em Novembro/2022



Iniciado em Dezembro/2022

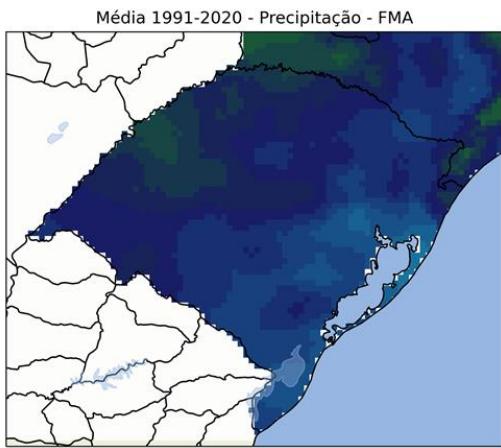


Observado:

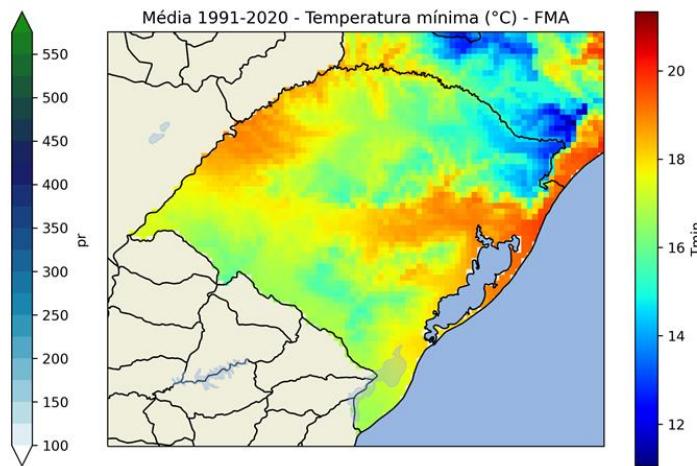


Climatologia de FAM

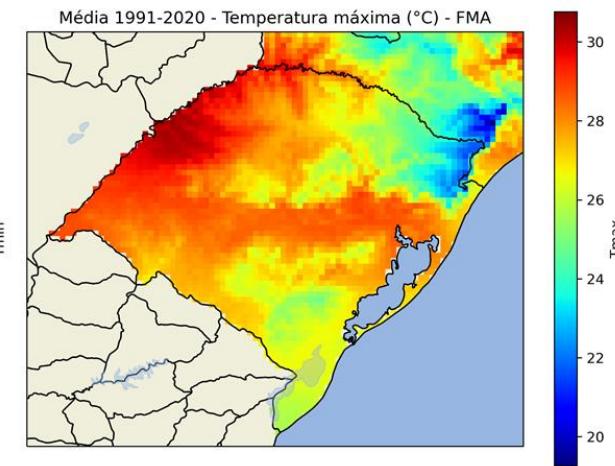
- O contraste de chuva meridional de chuva no RS é menos expressivo, sendo o oeste do RS a área com maiores acumulados no período ($> 400\text{mm}$).
- As médias de temperatura mínima e máxima são mais altas no noroeste do RS e na faixa central do estado até o litoral norte;



Precipitação



Temperatura mínima



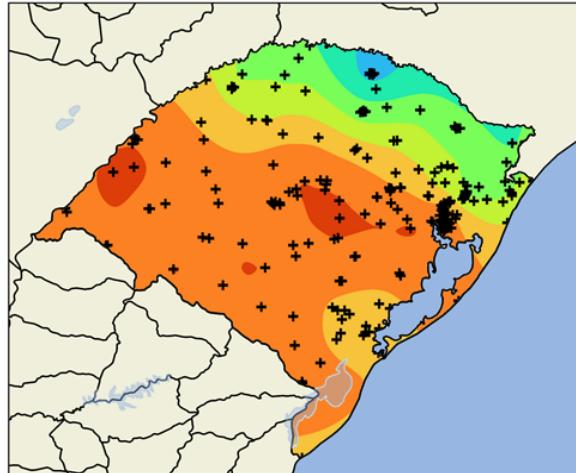
Temperatura máxima

Condições observadas em NDJ/2022-23

Valores absolutos

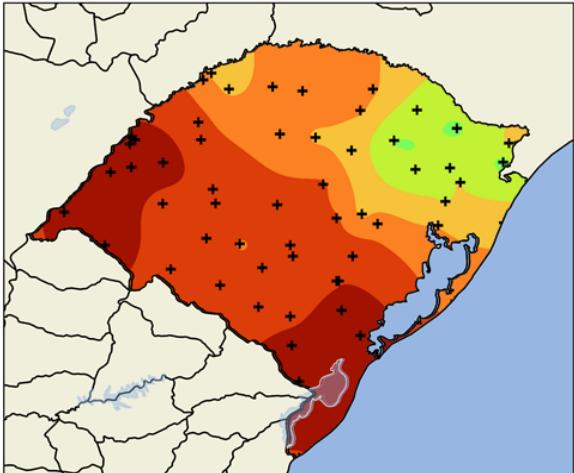
Novembro

Precipitação acumulada - NOVEMBRO 2022



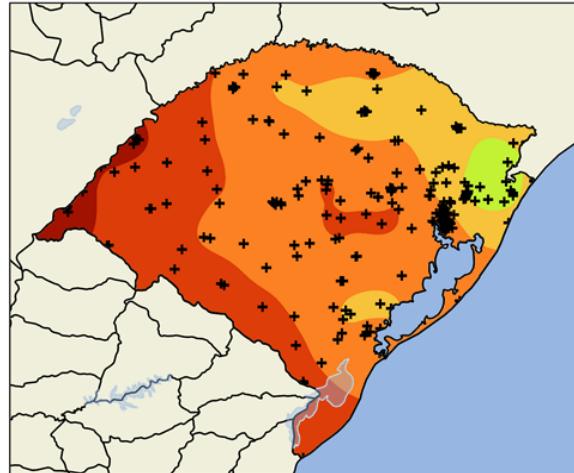
Dezembro

Precipitação acumulada - DEZEMBRO 2022



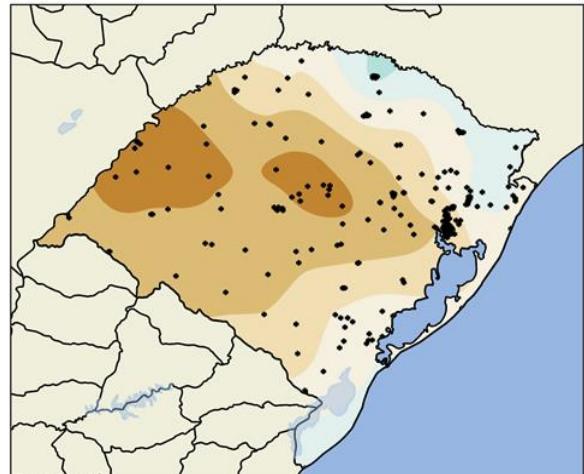
Janeiro

Precipitação acumulada - JANEIRO 2023

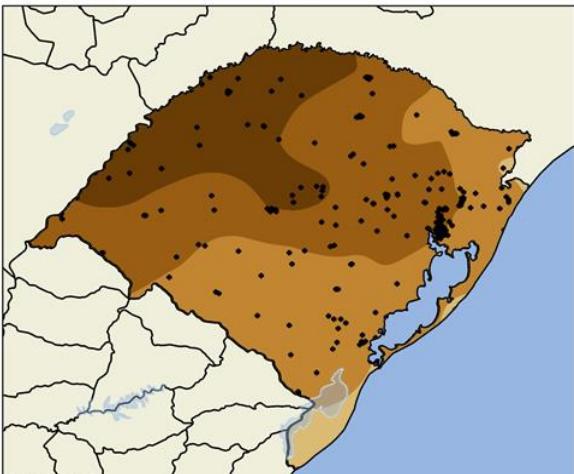


ANOMALIAS

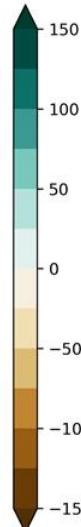
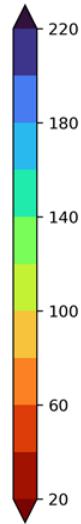
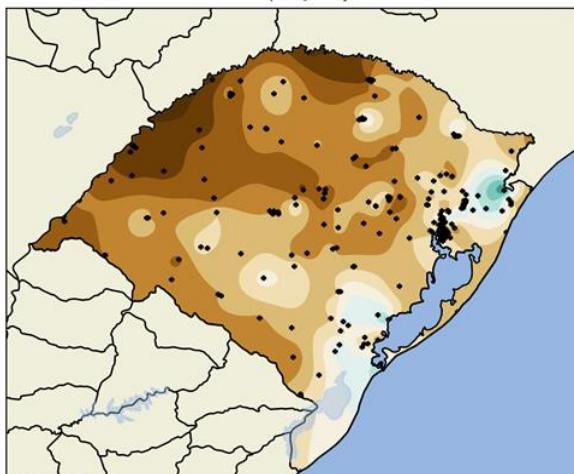
Anomalia - Precipitação - Novembro



Anomalia - Precipitação - Dezembro



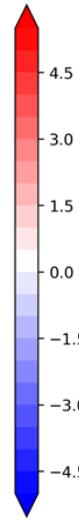
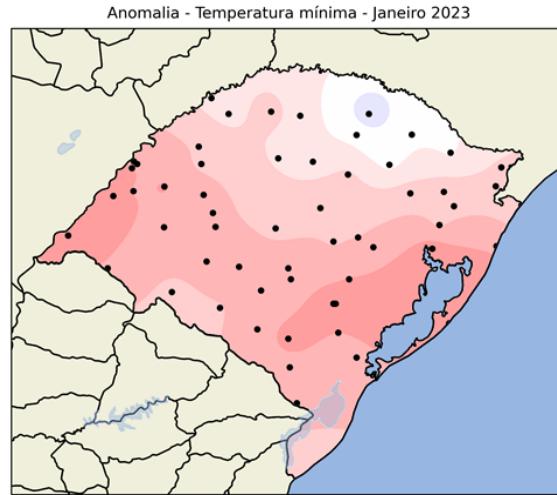
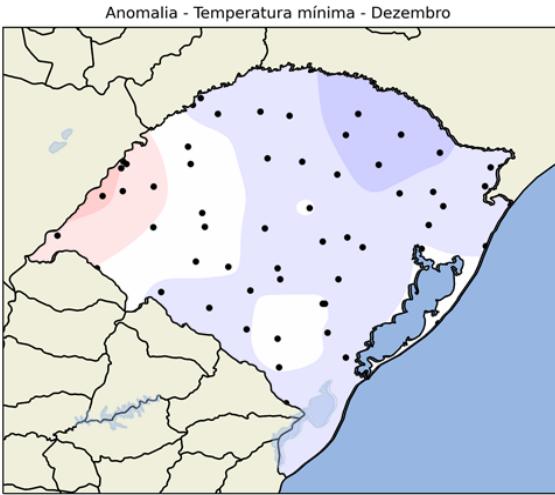
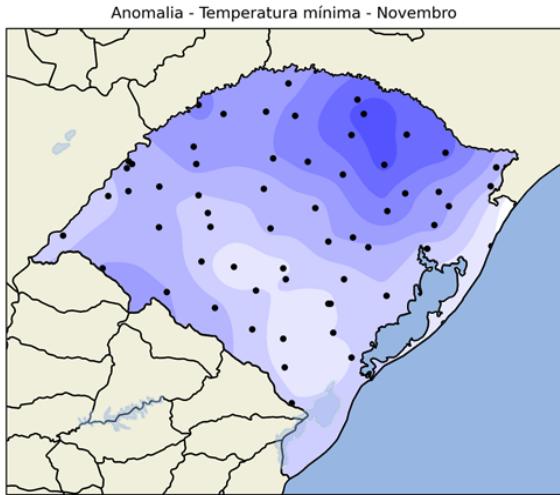
Anomalia - Precipitação - Janeiro 2023



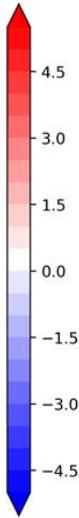
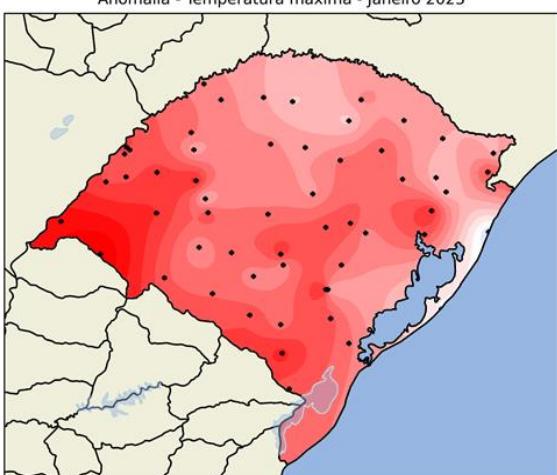
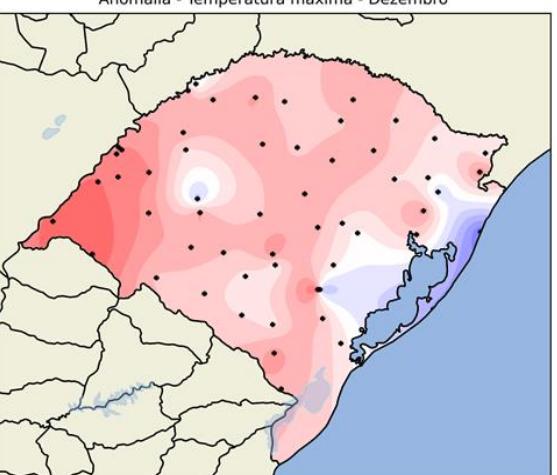
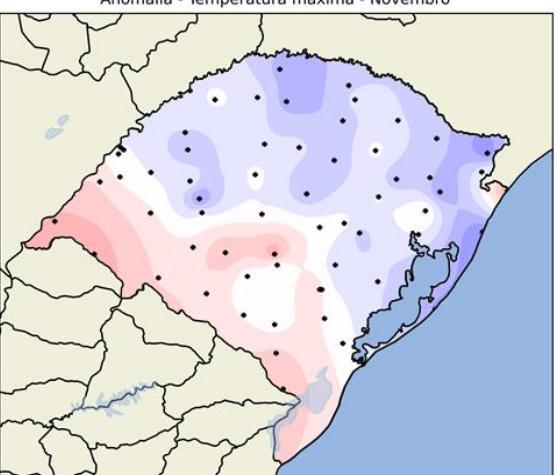
Condições observadas em NDJ/2022-23

Anomalias

Tmin

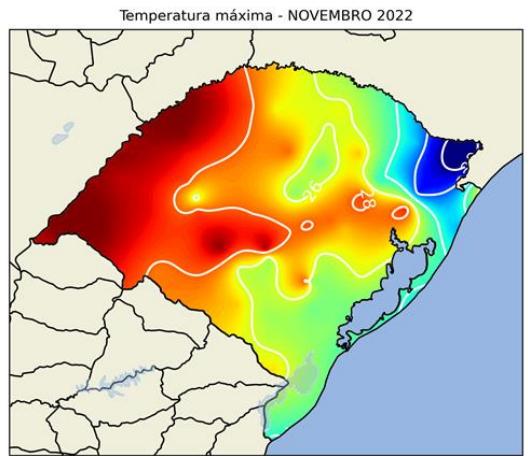


Tmax

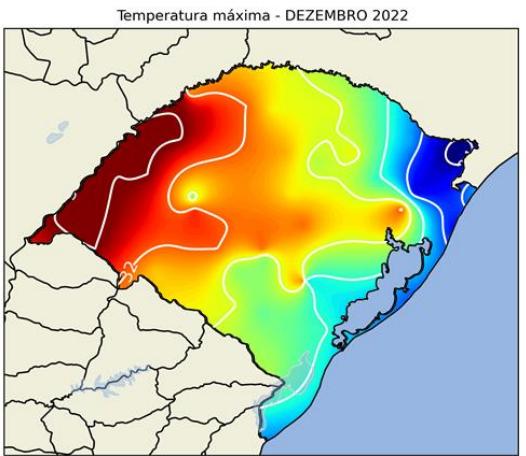


Condições observadas em NDJ/2022-23

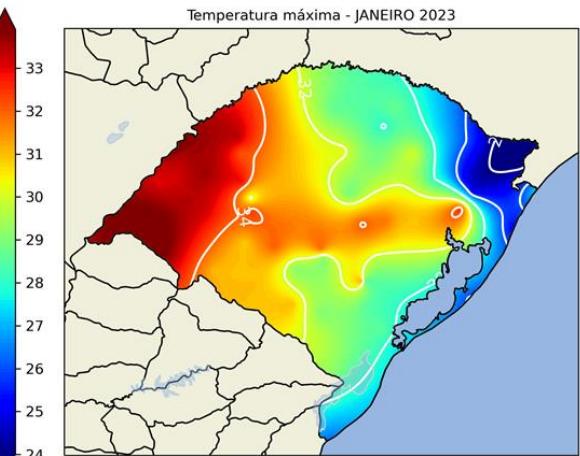
Novembro



Dezembro

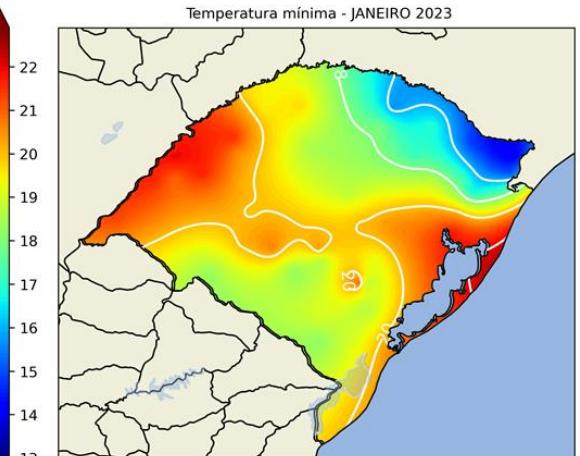
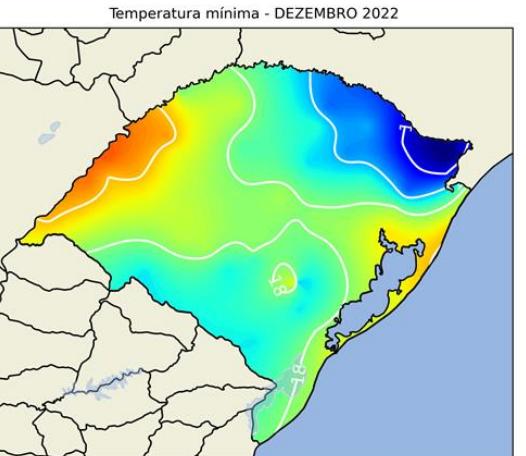
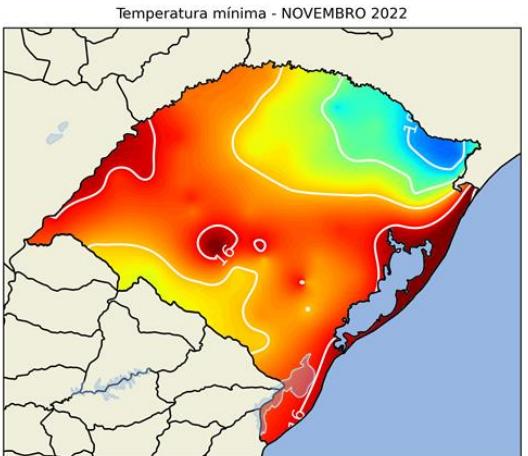


Janeiro



Tmax

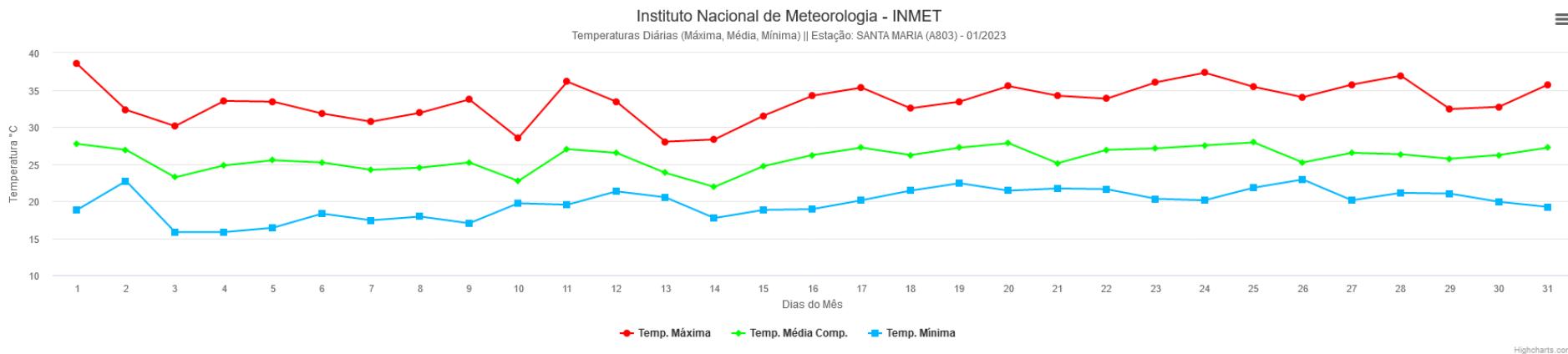
Tmin



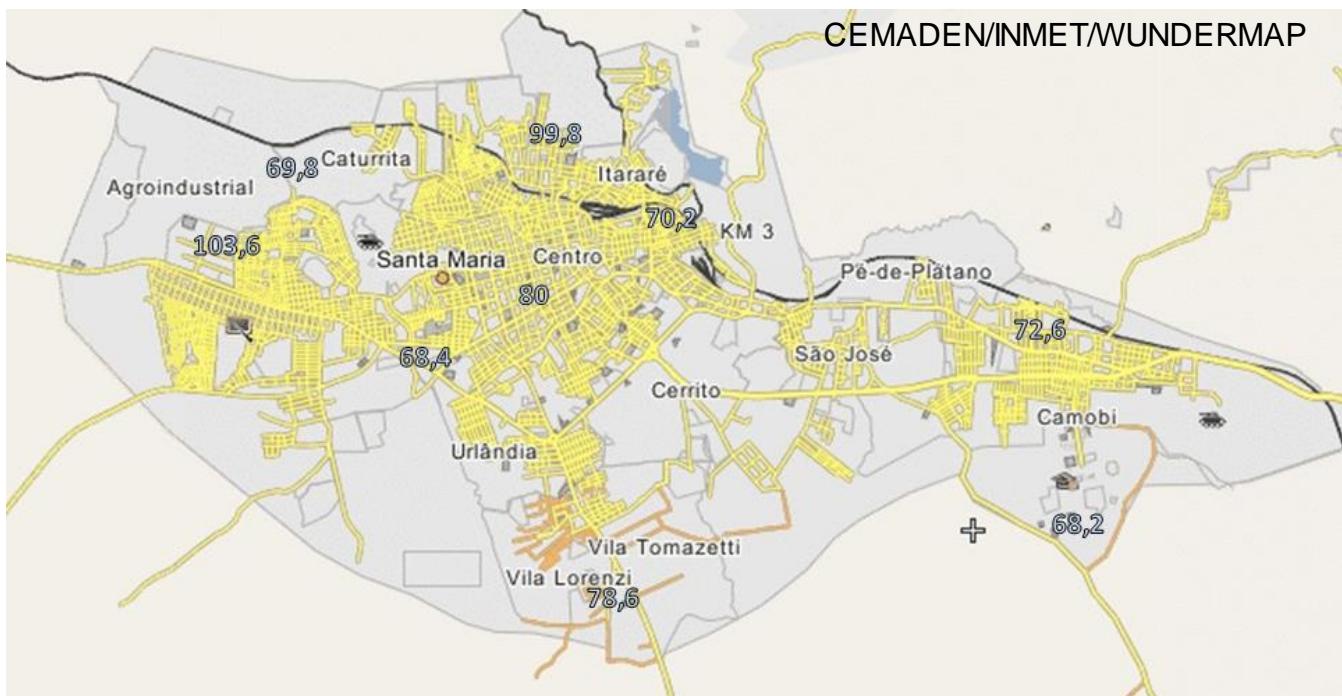
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13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Condições observadas em Jan/2022

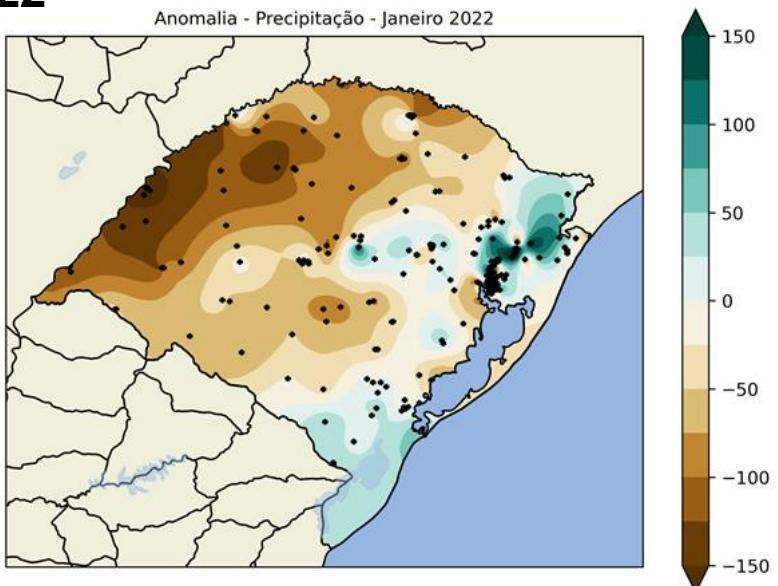


Precipitação mensal em Dezembro - Santa Maria

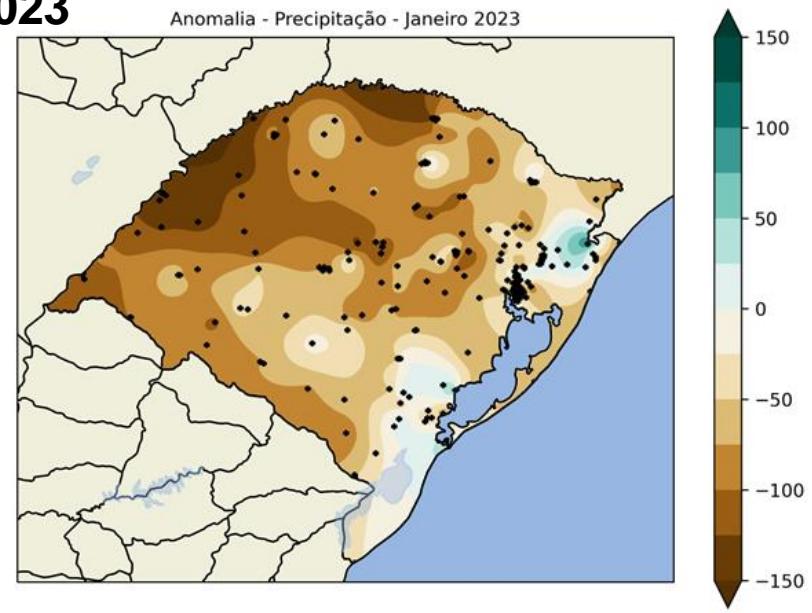


Condições observadas em 2022 vs 2023

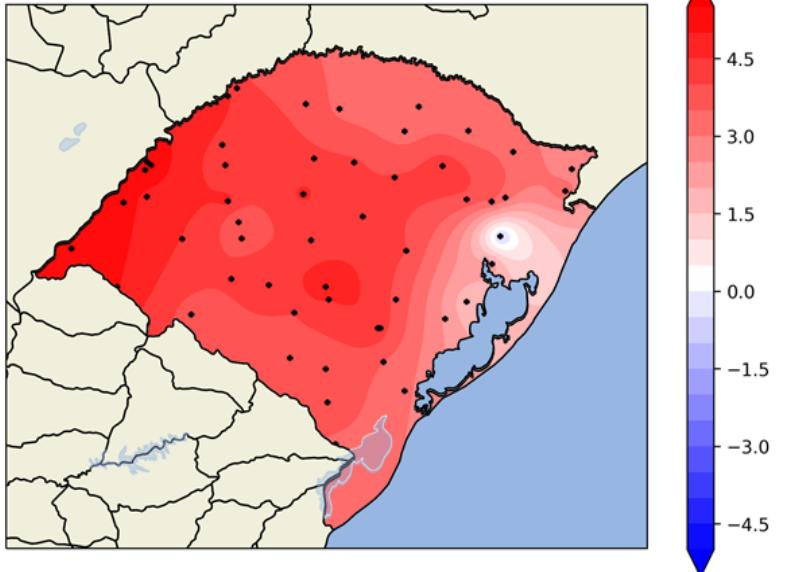
2022



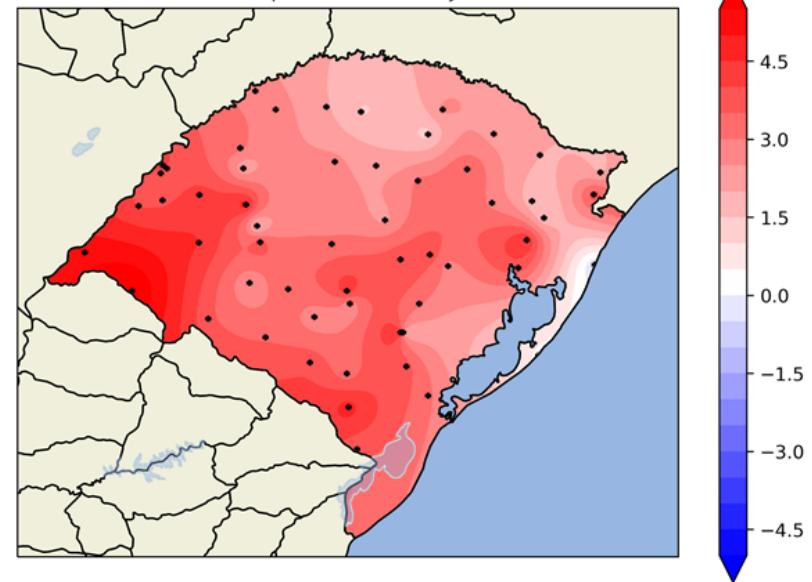
2023



Anomalia - Temperatura máxima - Janeiro 2022

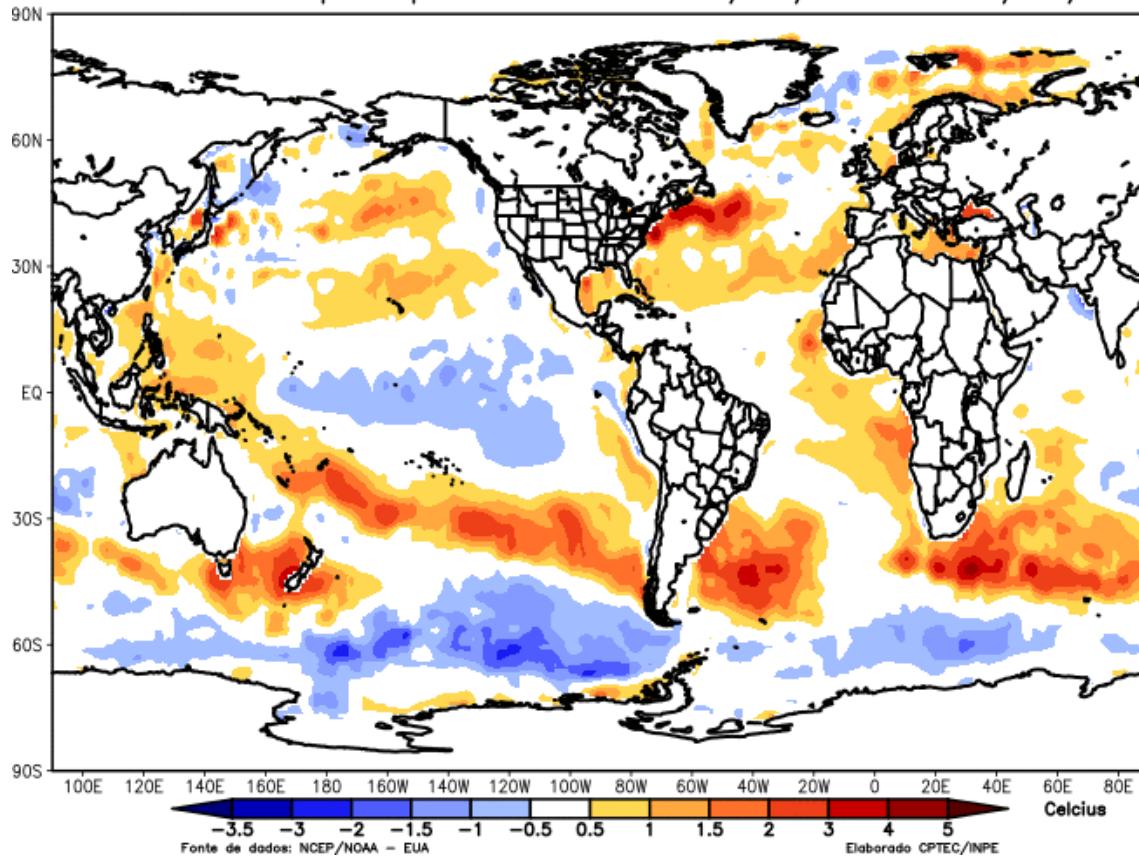


Anomalia - Temperatura máxima - Janeiro 2023



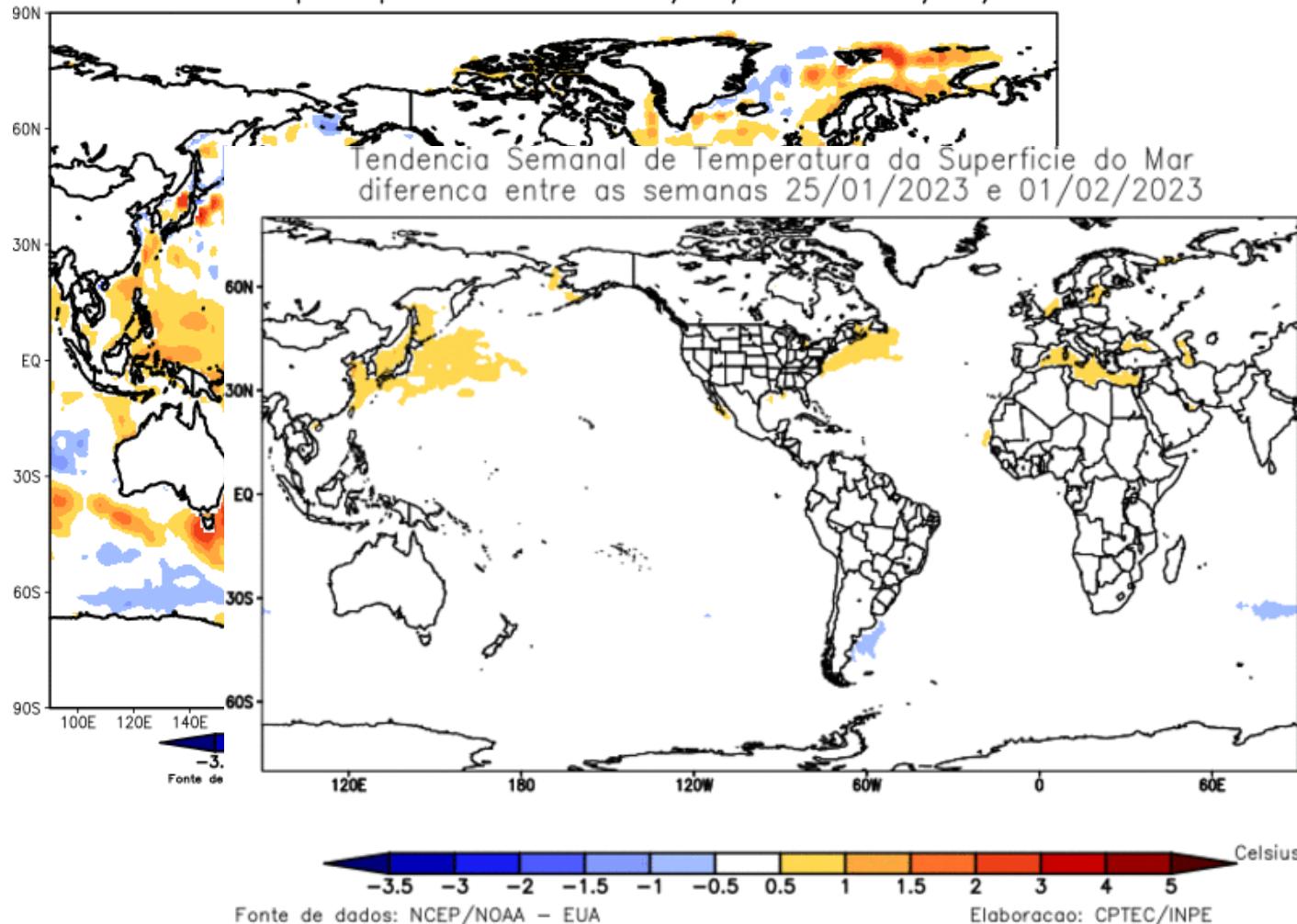
Condições oceânicas

Anomalia de Temp. Superfície do Mar 22/01/2023 a 28/01/2023

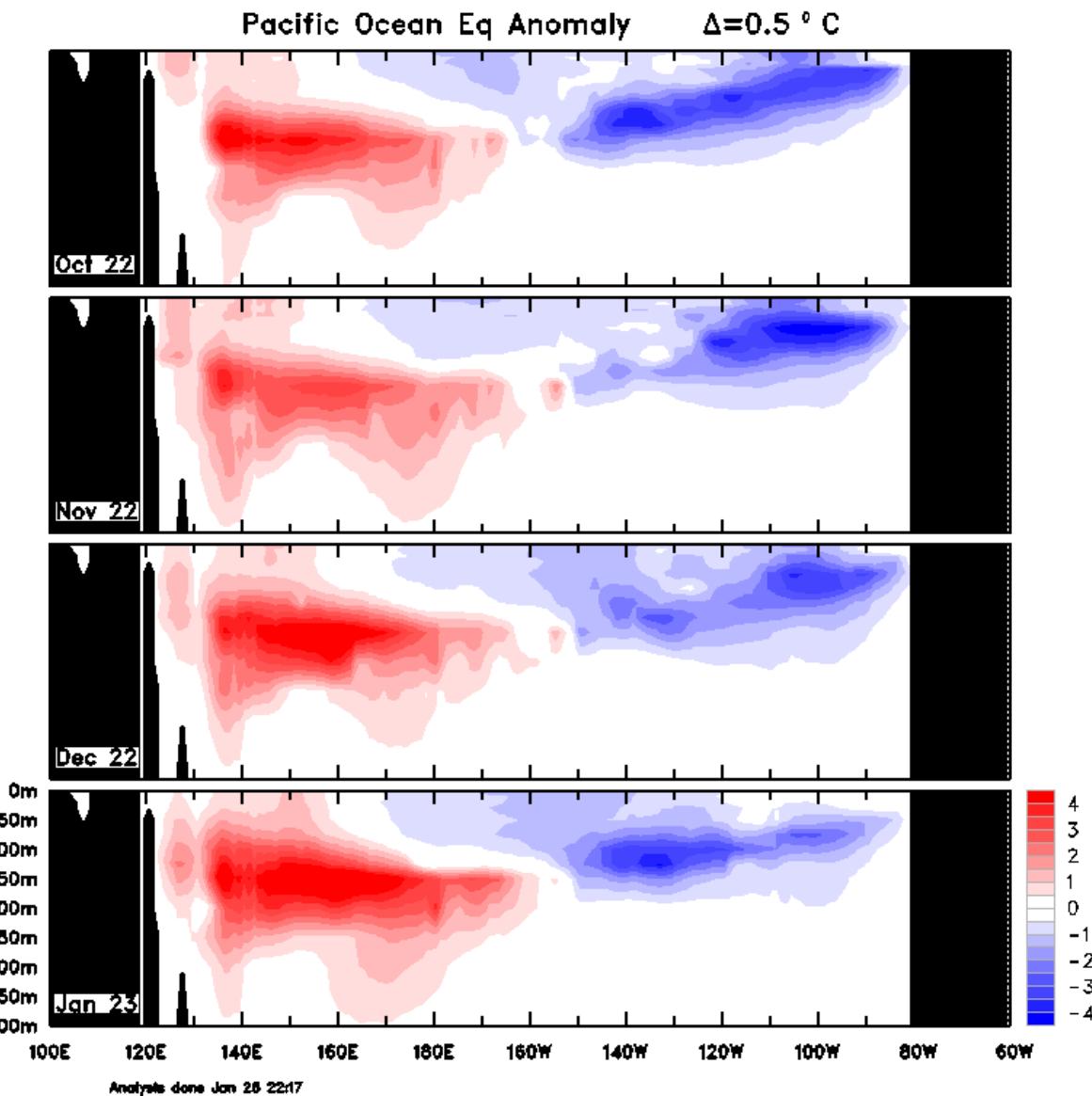
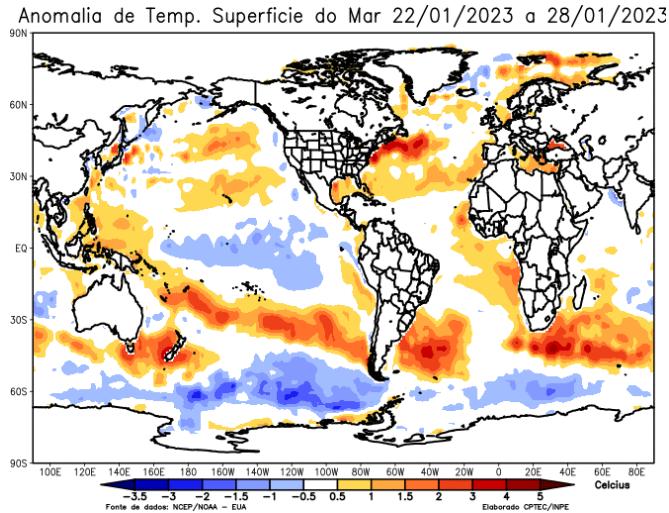


Condições oceânicas

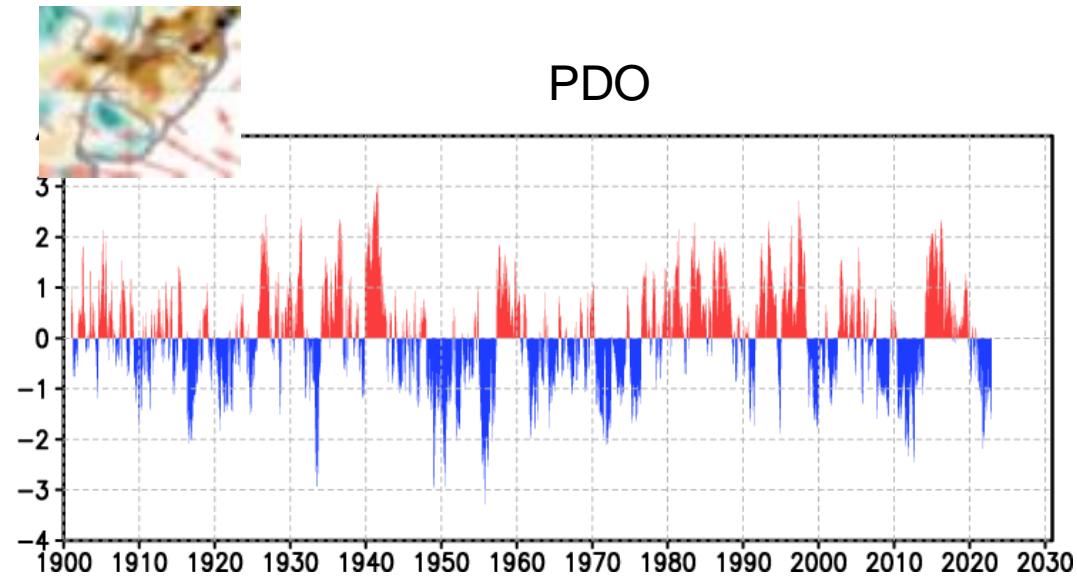
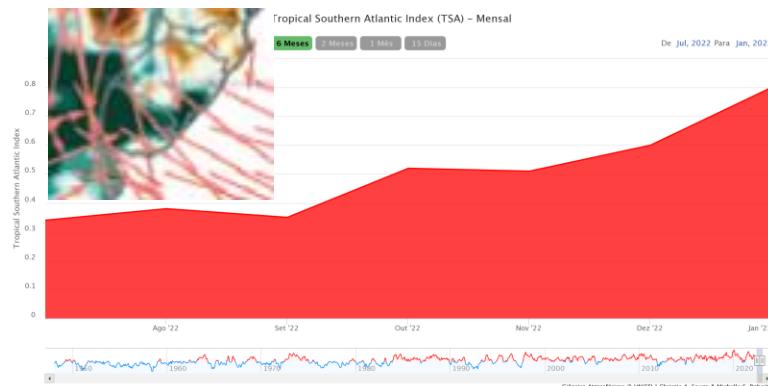
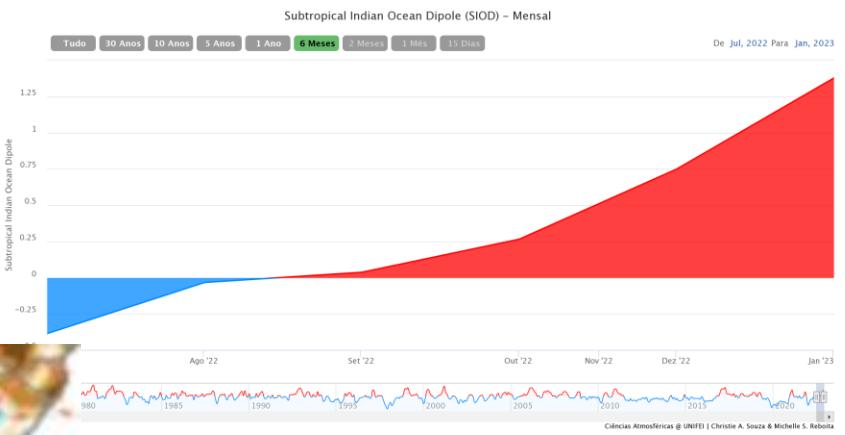
Anomalia de Temp. Superfície do Mar 22/01/2023 a 28/01/2023



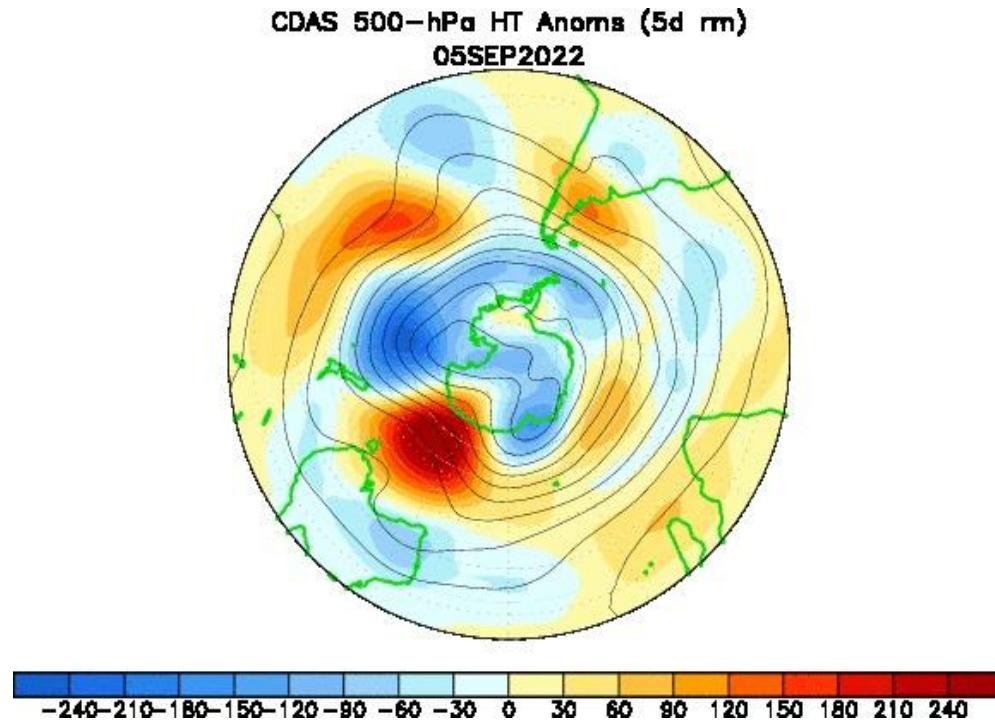
Condições oceânicas



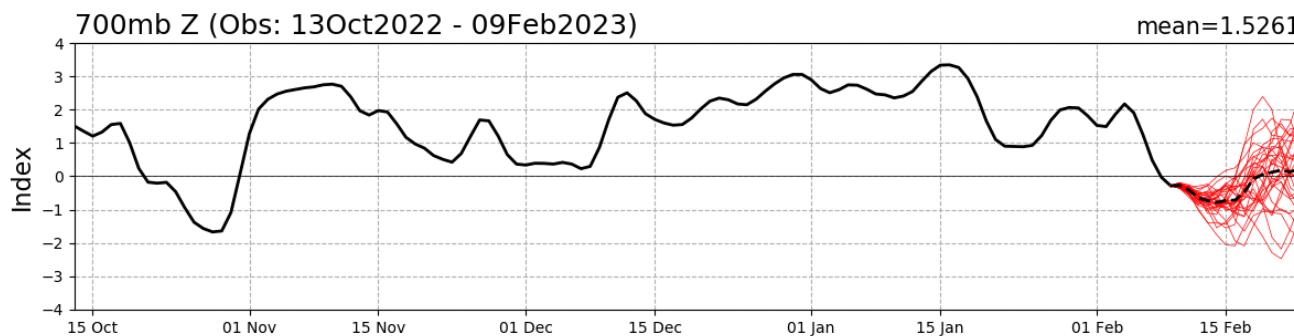
Índices oceânicos



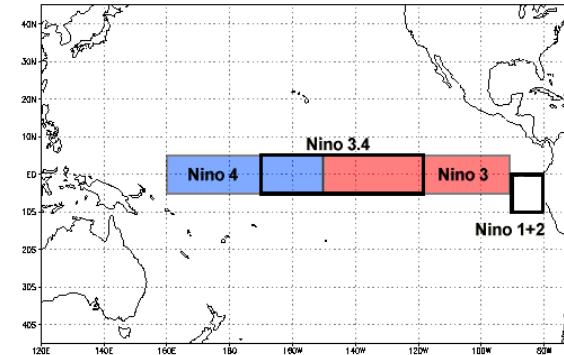
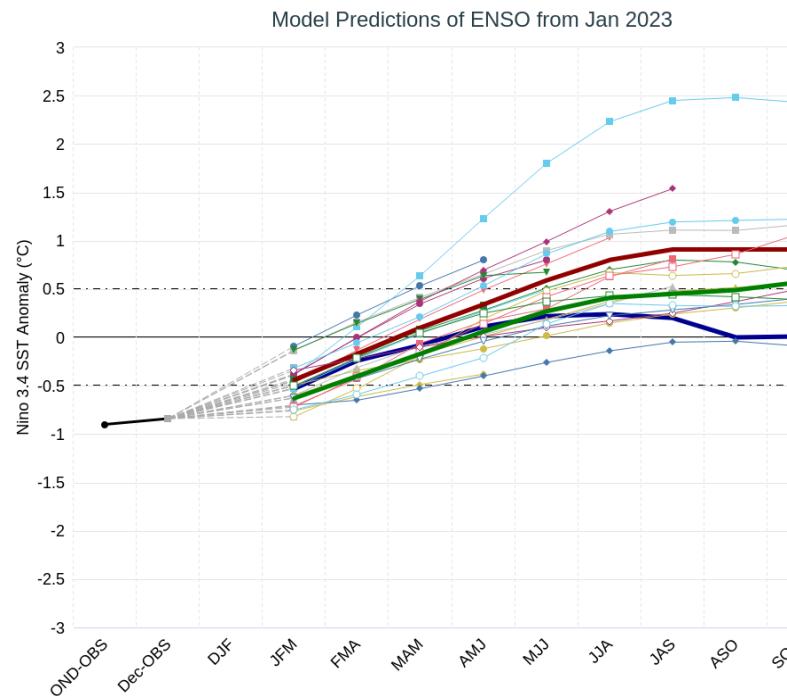
Índices atmosférico (AAO)



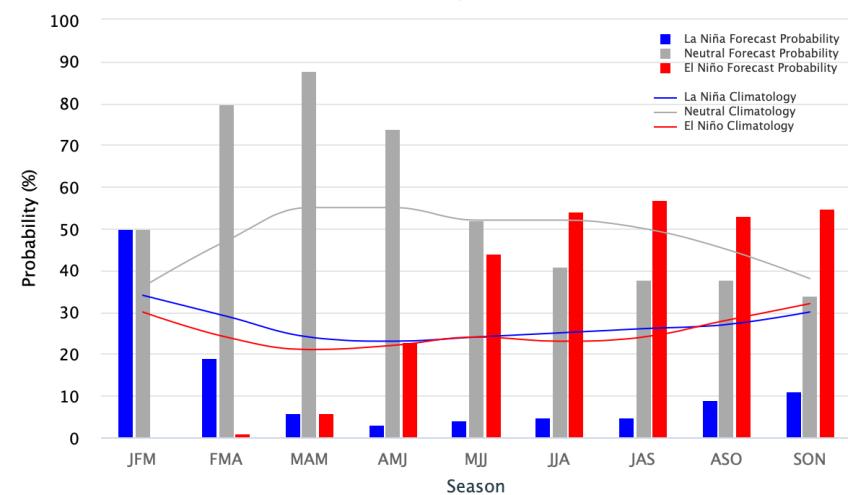
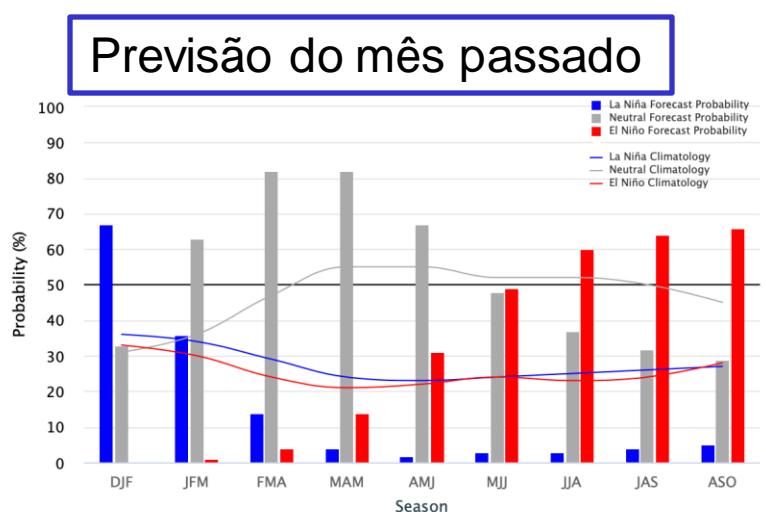
AAO Index: Observed & GEFS Forecasts



Previsões do ENOS

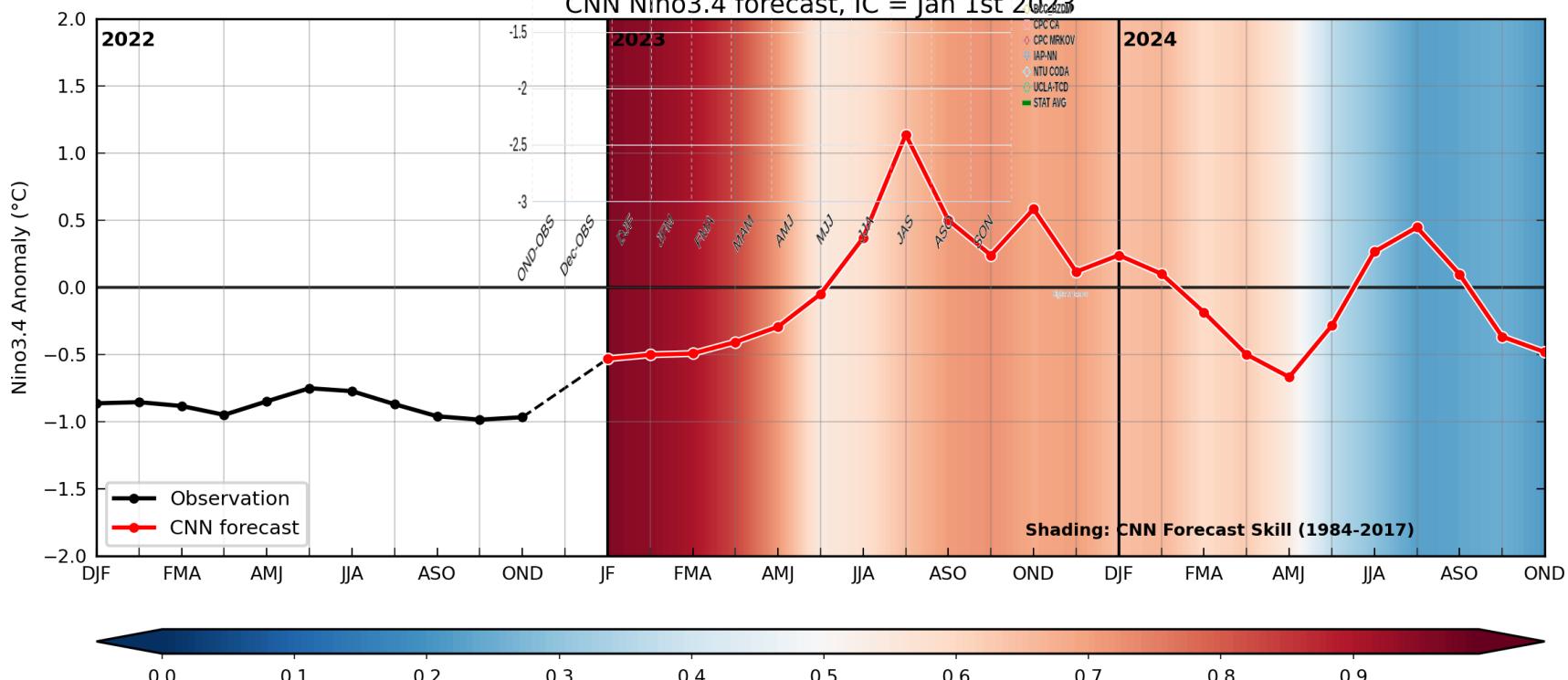
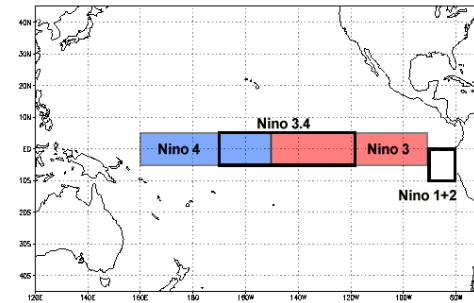
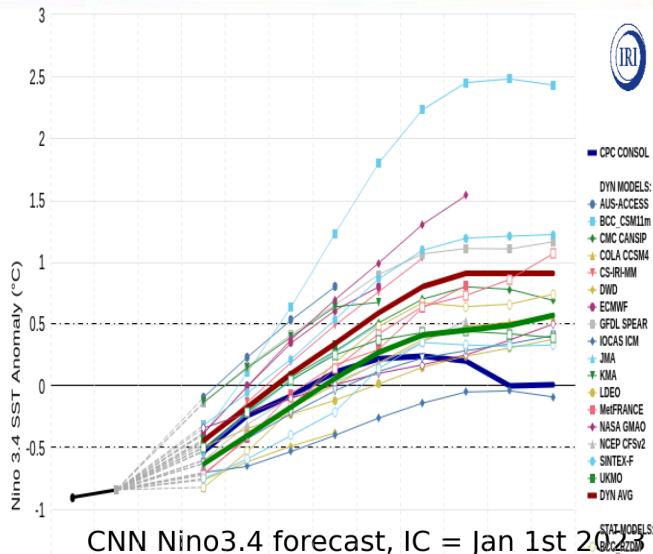


Mid-January 2023 IRI Model-Based Probabilistic ENSO Forecasts



Previsões do ENOS

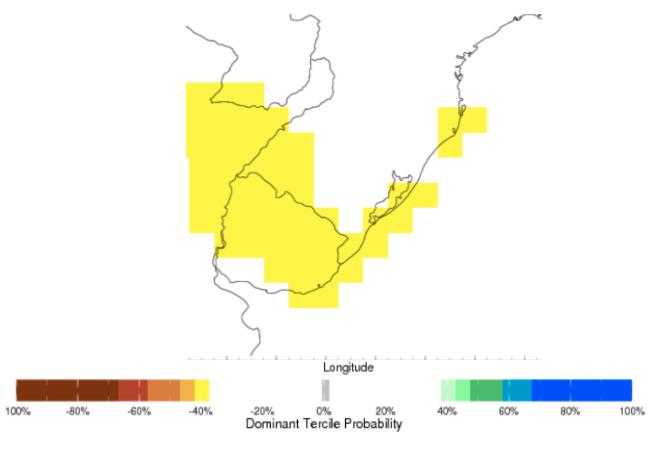
Model Predictions of ENSO from Jan 2023



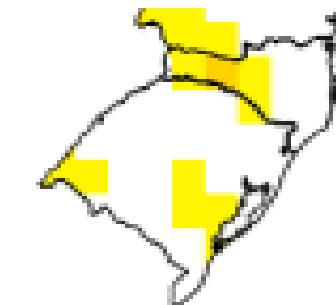
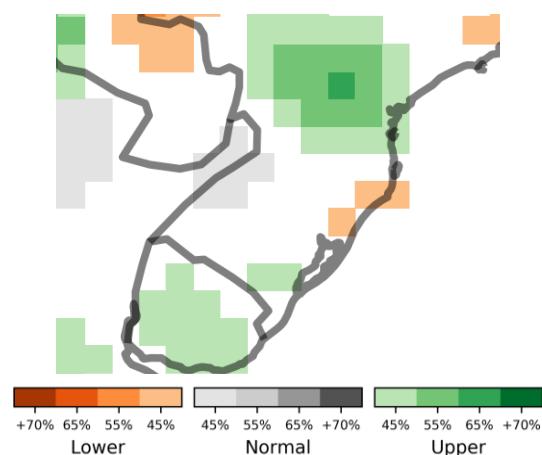
Previsões sazonais (FMA) - Precipitação(probabilística)

Multimodelo [CPTEC/INMET/FUNCME](#)

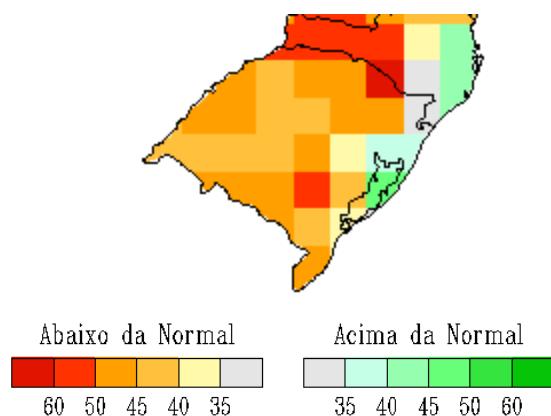
Mutimodelo IRI



CIMA-CONICET-UBA

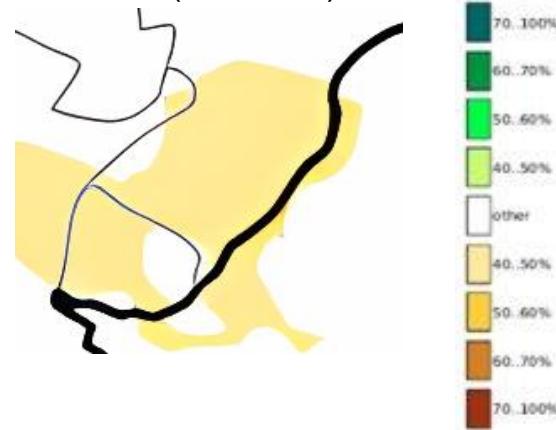


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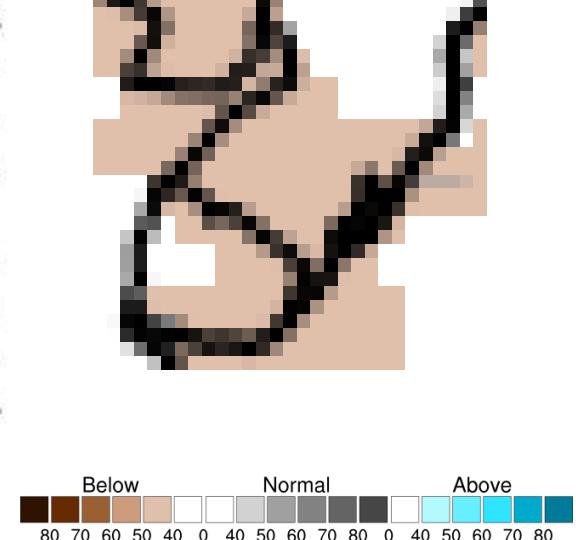


[Multissistema C3S](#)

(ECMWF)

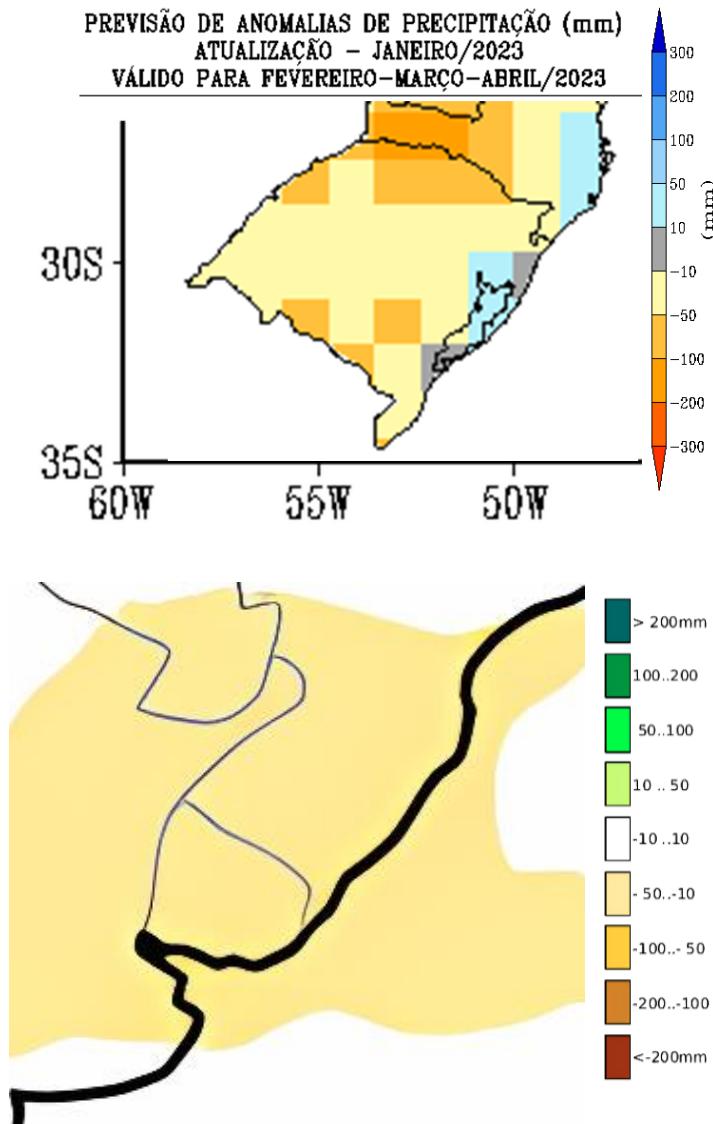


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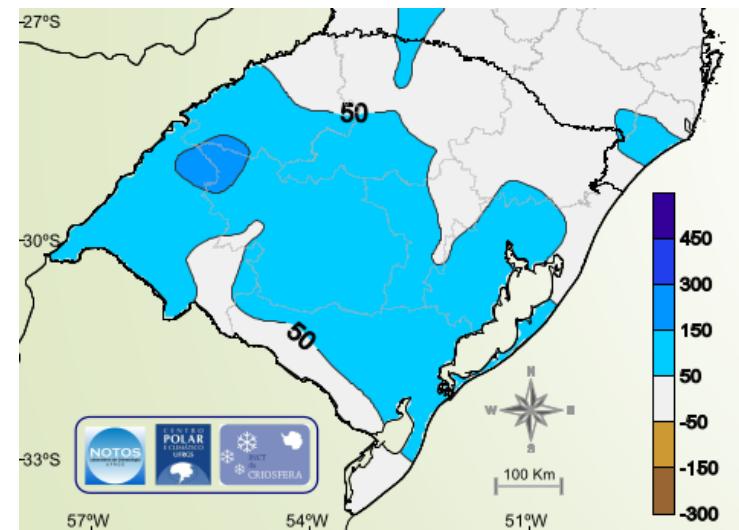


Previsões sazonais

Previsões sazonais (FMA) - Precipitação (anomalias)



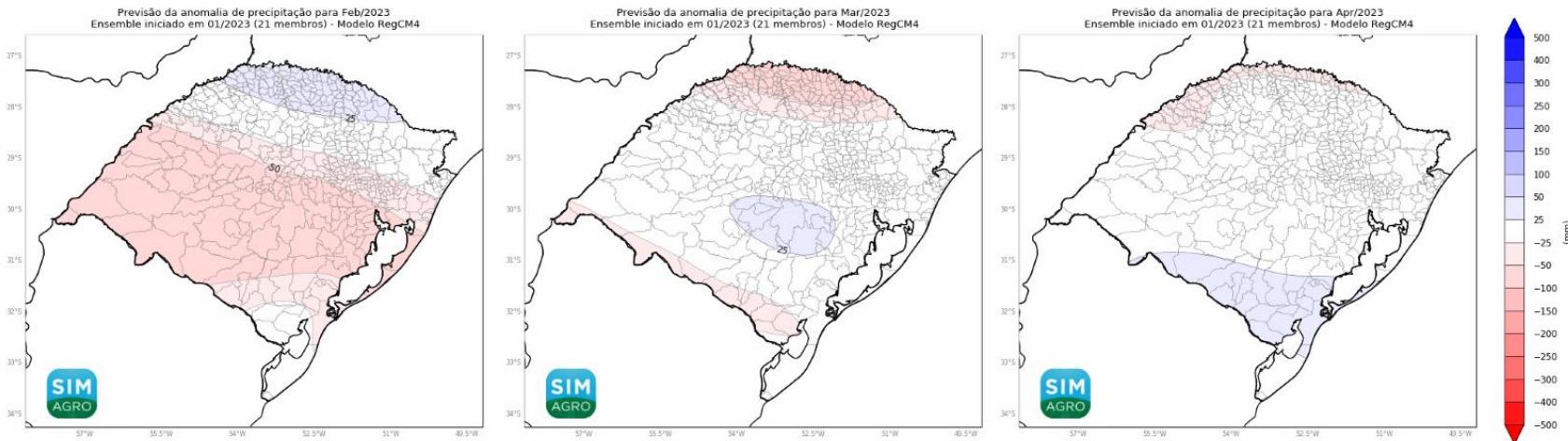
MoReClima-SUL



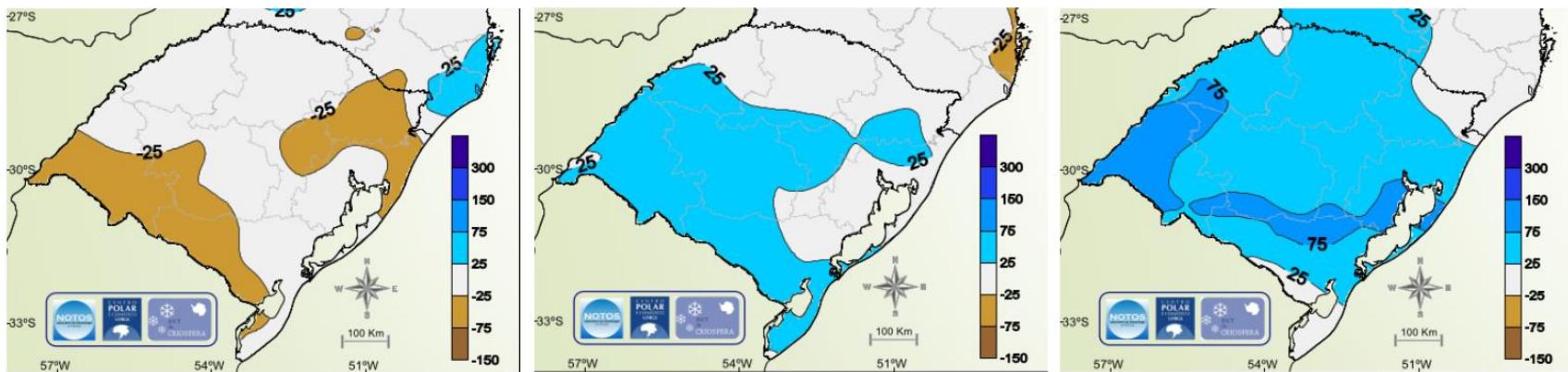
C3S

Previsões mensais

Precipitação (mm)

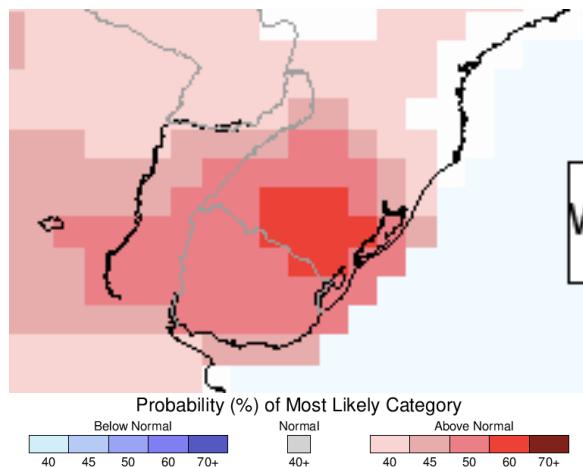


MoReClima-SUL

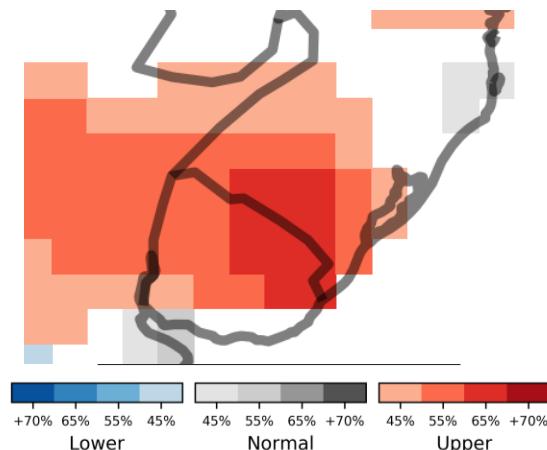


Previsões sazonais (FMA) - Temperatura (probabilística)

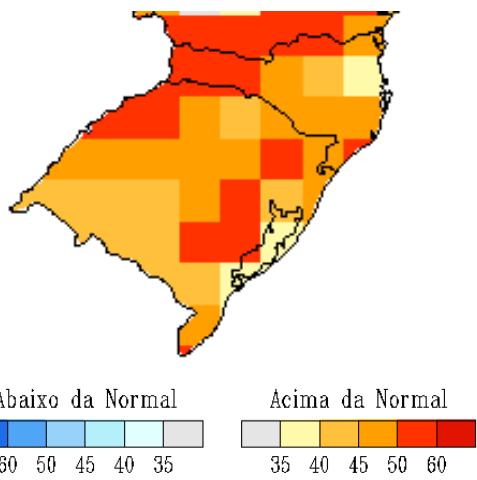
Mutimodelo IRI



CIMA-CONICET-UBA



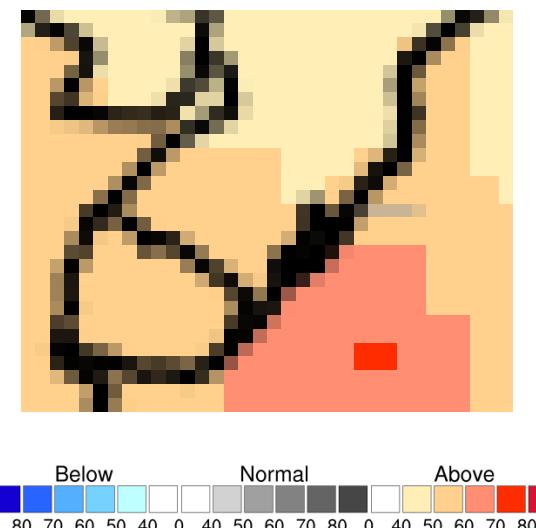
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Multissistema C3S
(ECMWF)



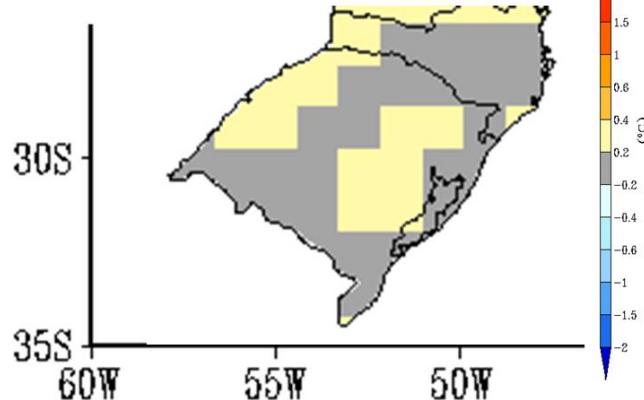
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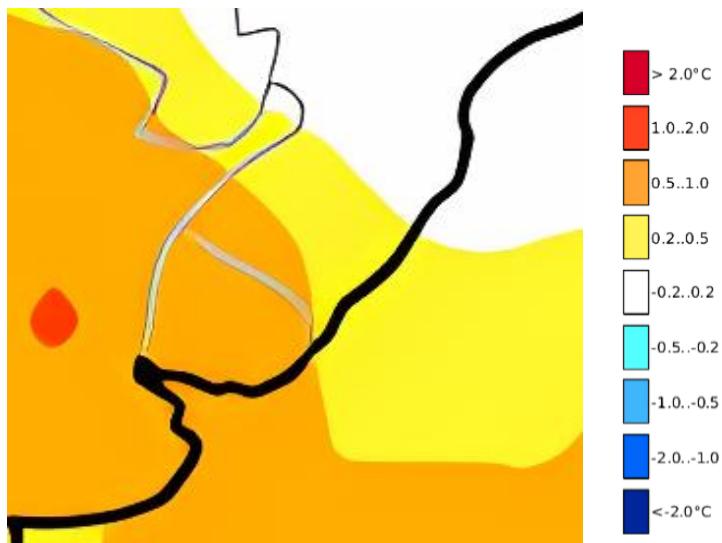
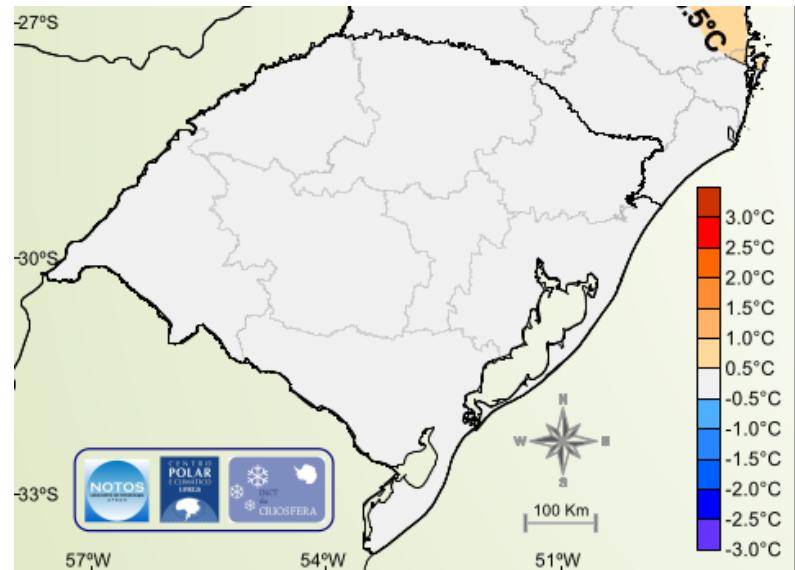
Previsões sazonais

Temperatura (°C)

PREVISÃO DE ANOMALIAS DE TEMPERATURA (°C)
ATUALIZAÇÃO - JANEIRO/2023
VÁLIDO PARA FEVEREIRO-MARÇO-ABRIL/2023



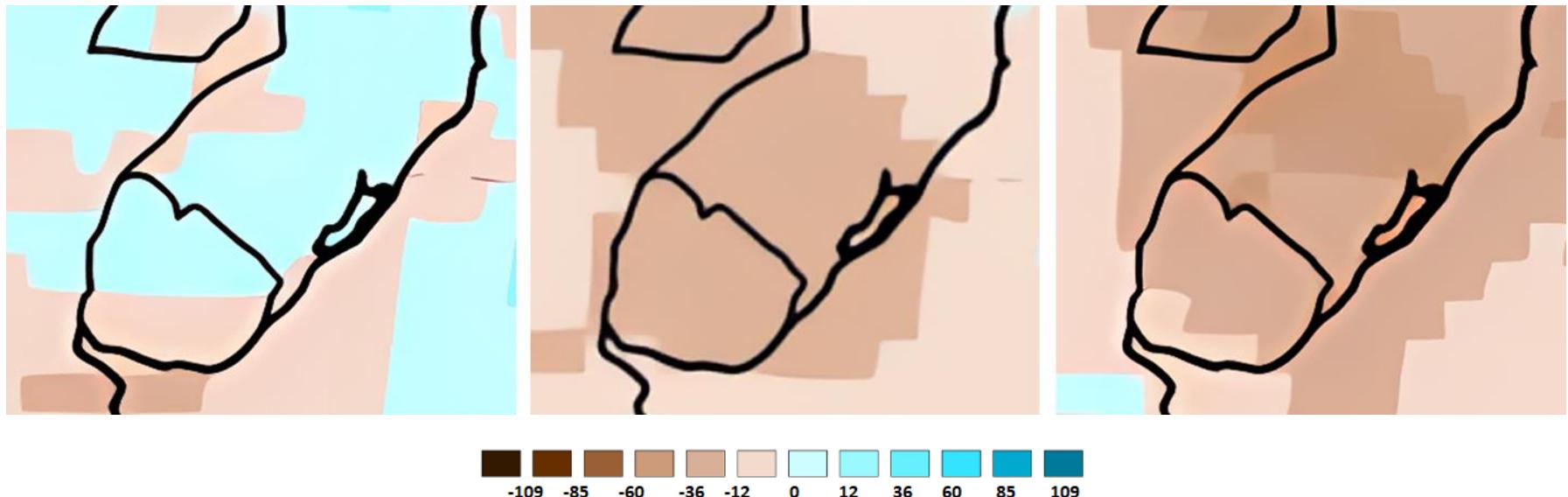
MoReClima-SUL



C3S

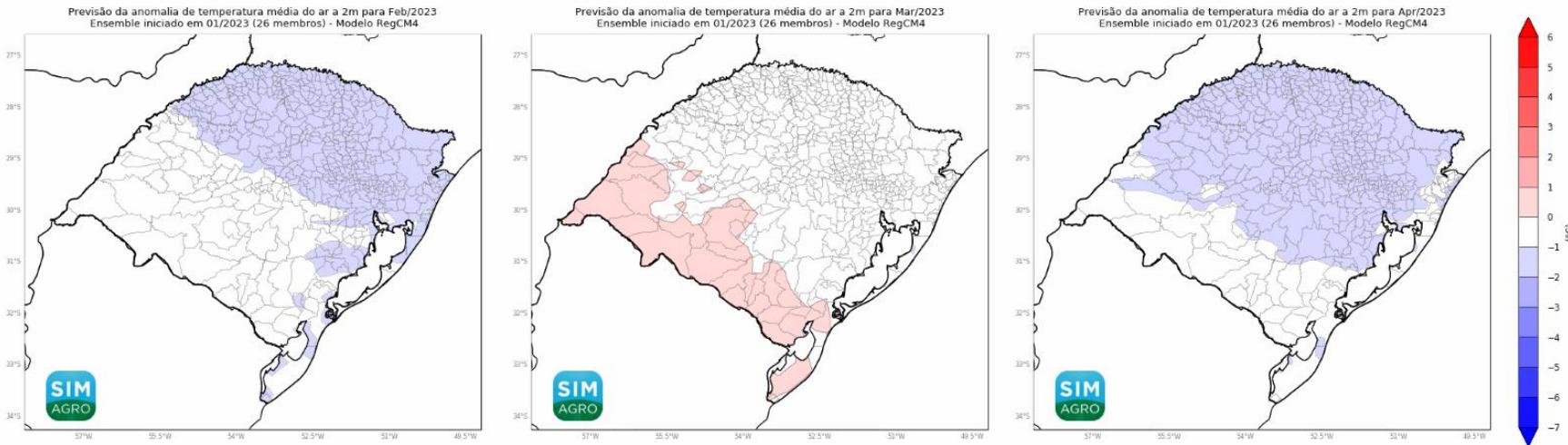
Previsões mensais- precipitação (mm)

APCC

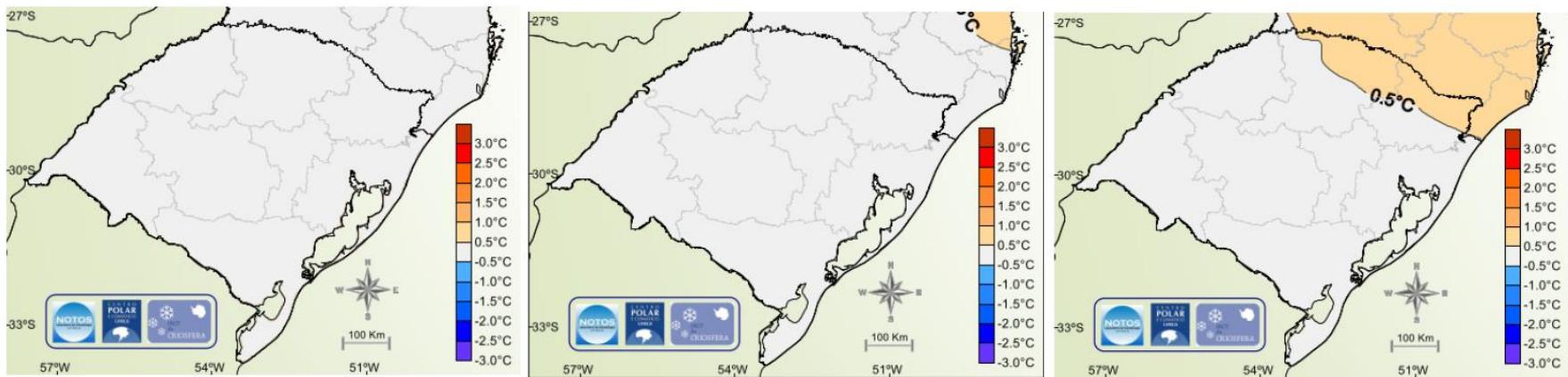


Previsões mensais – Temperatura (°C)

RegCM4

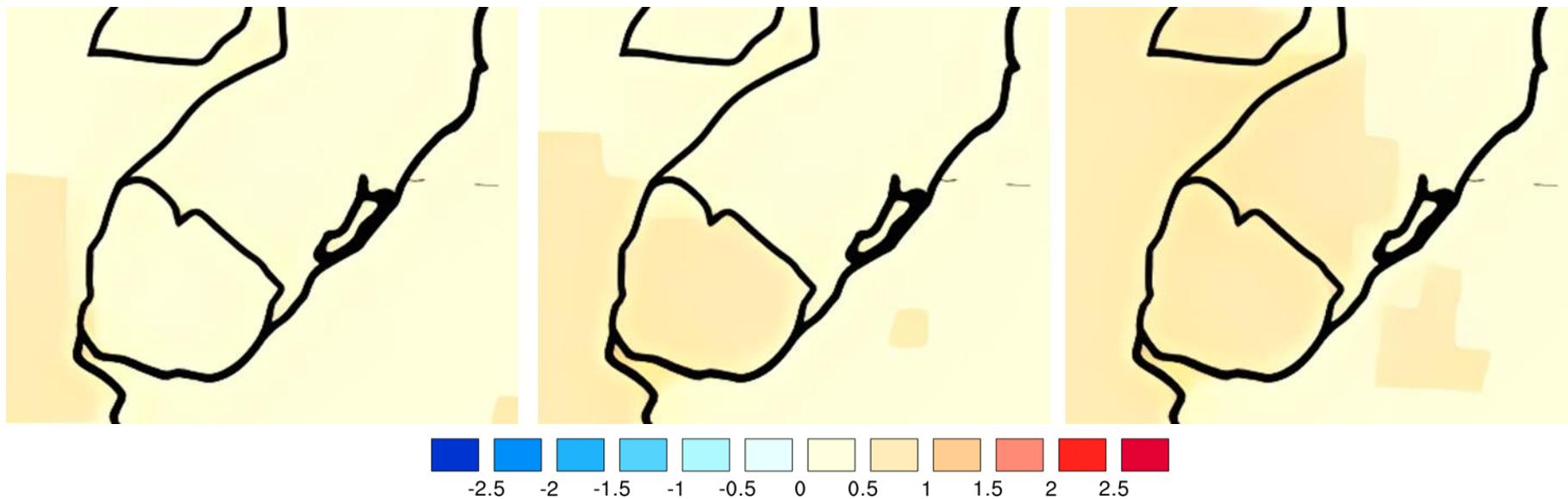


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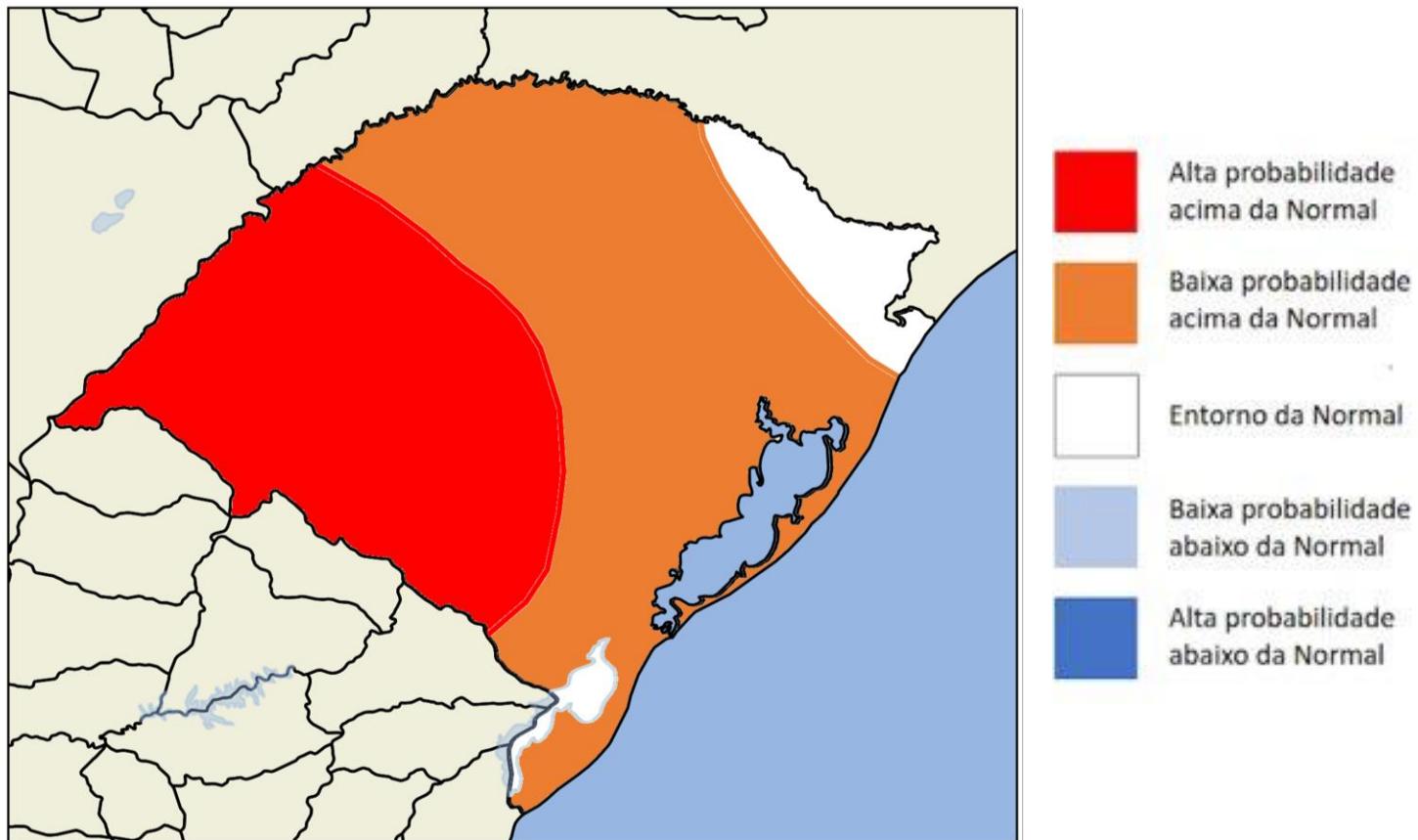
Previsões mensais – Temperatura (°C)

APCC



Previsão por consenso

Temperatura (FMA/2023)



Previsão por consenso

Precipitação (FMA/2023)

