



Foro de Perspectiva Climática para el Sur de América del Sur

Asunción, Paraguay
29 de noviembre de 2023



Pronósticos globales y del CRC-SAS

Diciembre 2023/ Enero-Febrero 2024



Precipitación

Diciembre 2023/ Enero-Febrero 2024

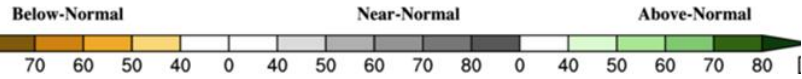
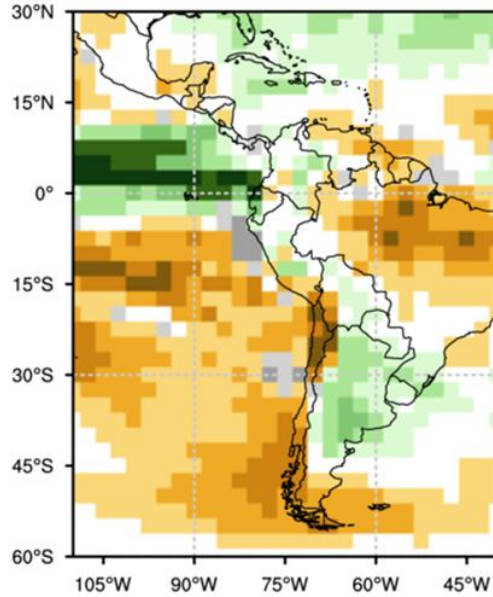
Resumen de pronósticos de precipitación – DEF 2023/2024

WMO LC

Probabilistic Multi-Model Ensemble Forecast
Beijing,CMCC,CPTEC,Melbourne,Montreal,Moscow,Seoul



Precipitation : DJF2023

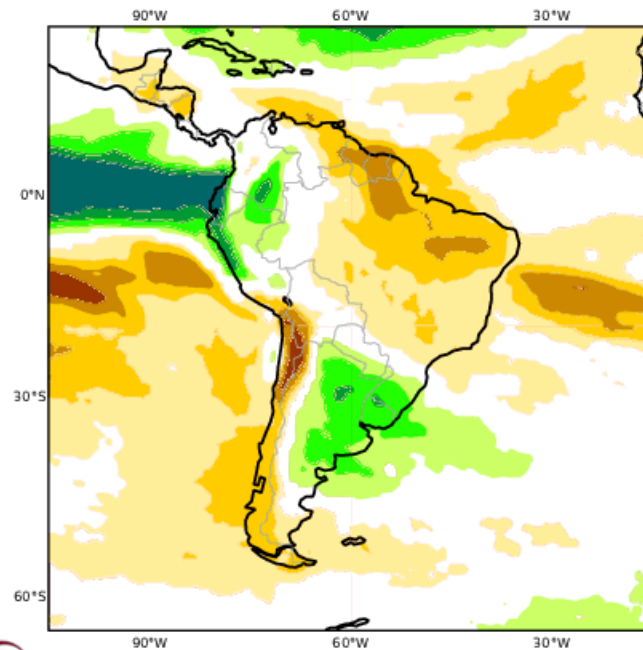


C3S

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)

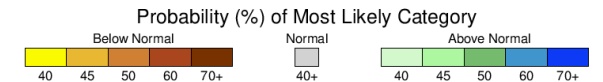
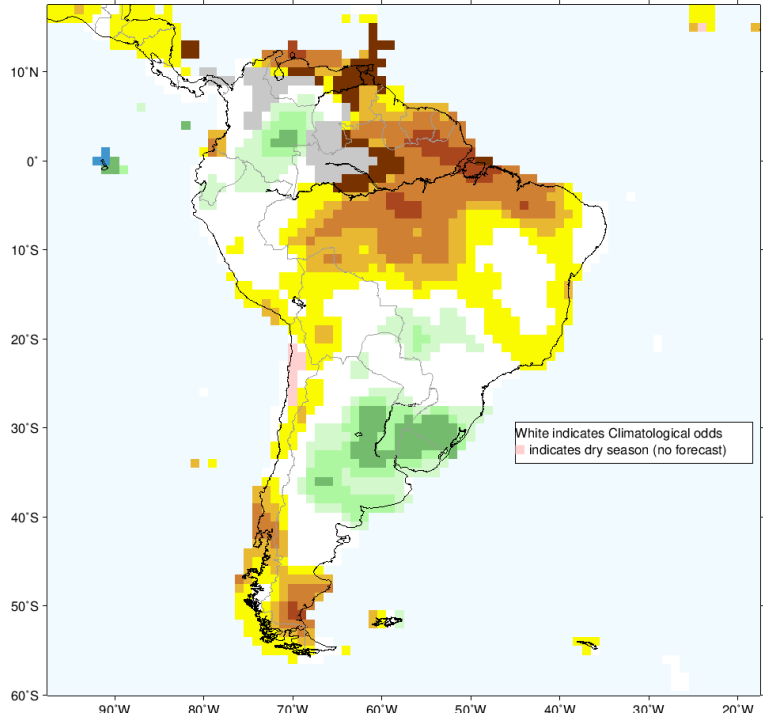
Nominal forecast start: 01/11/23

Unweighted mean



IRI

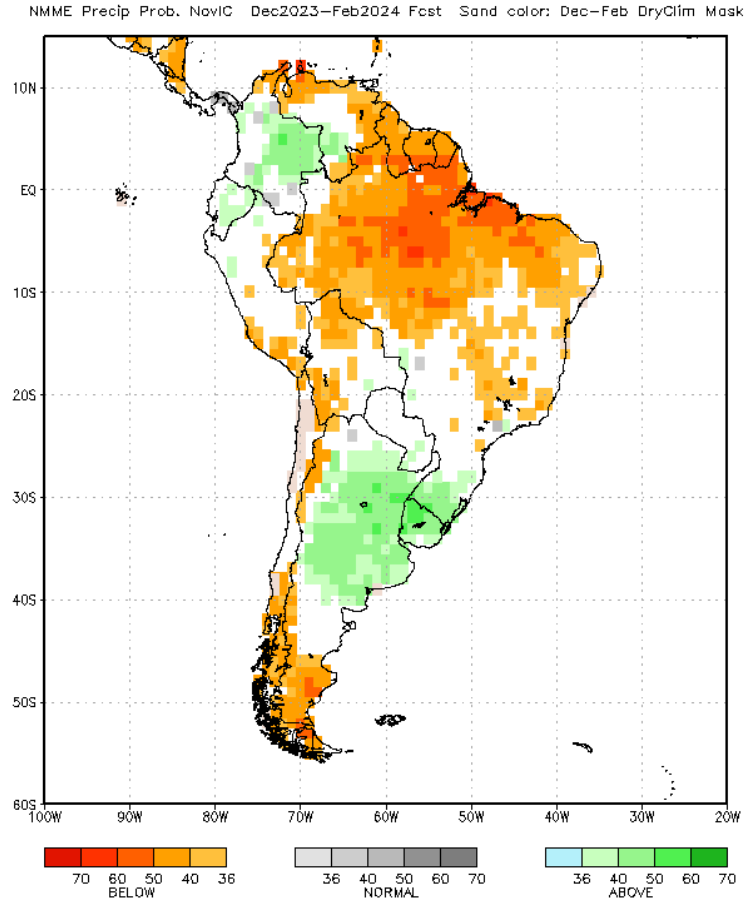
IRI Multi-Model Probability Forecast for Precipitation for
December–January–February 2024, Issued November 2023



White indicates Climatological odds
pink indicates dry season (no forecast)

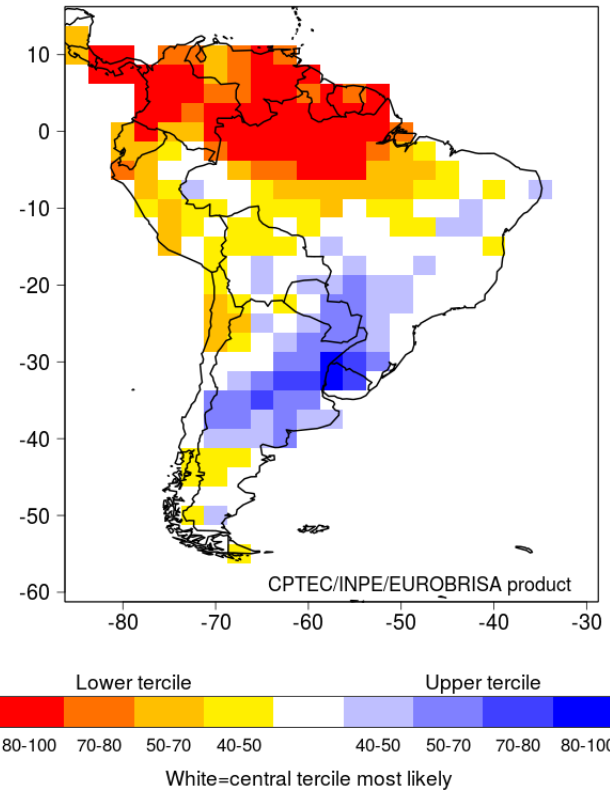
Resumen de pronósticos de precipitación – DEF 2023/2024

NMME



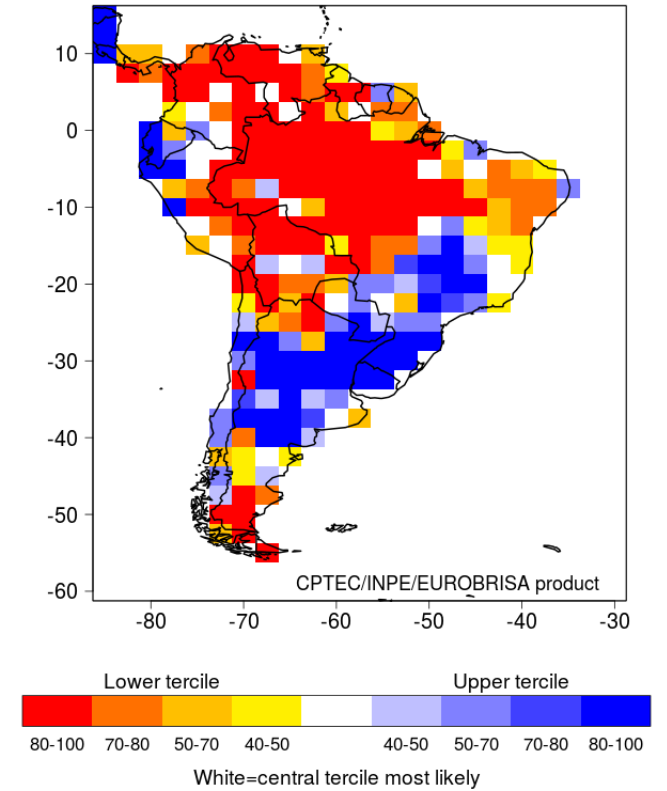
EUROBRISA INTEGRADO

Integrated: Prob. of most likely precip. tercile (%)
Issued: Nov 2023 Valid for DJF 2023



EUROBRISA EMPÍRICO

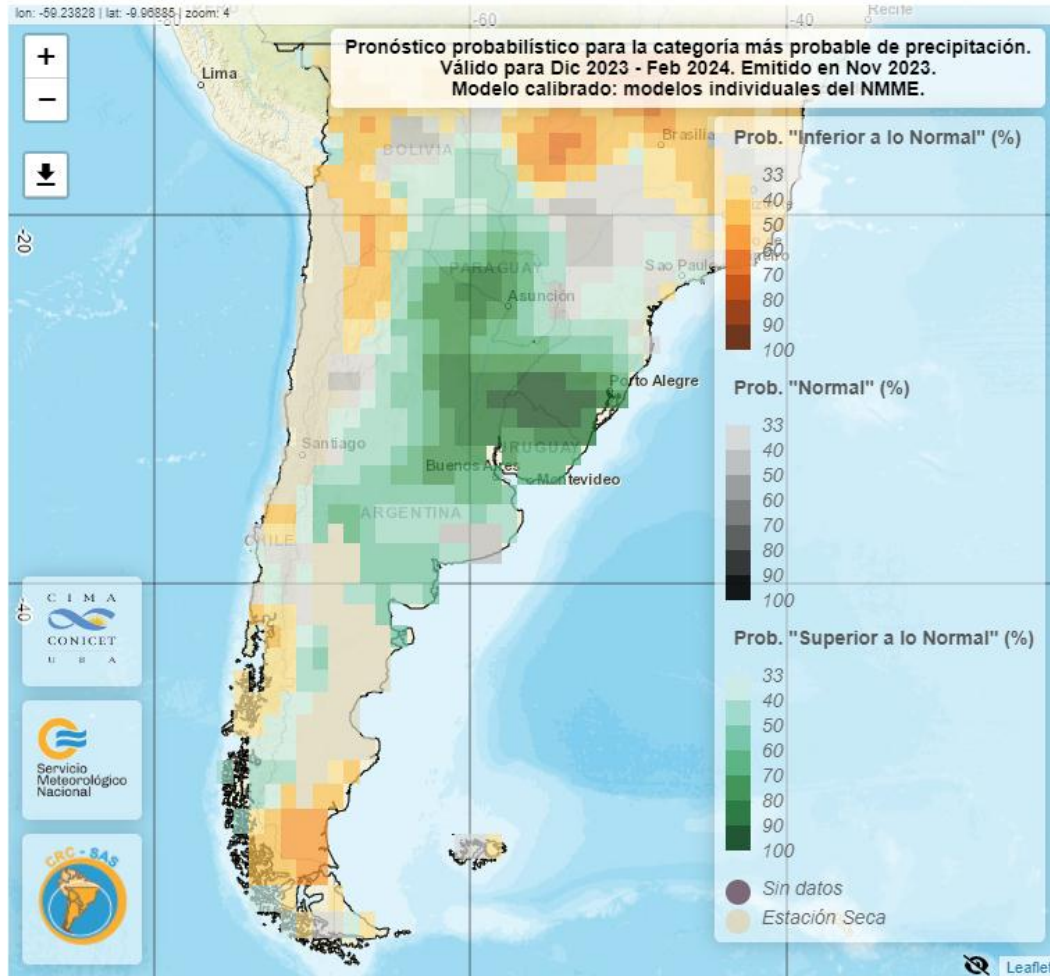
Empirical: Prob. most likely precip. tercile (%)
Issued: Nov 2023 Valid for DJF 2023



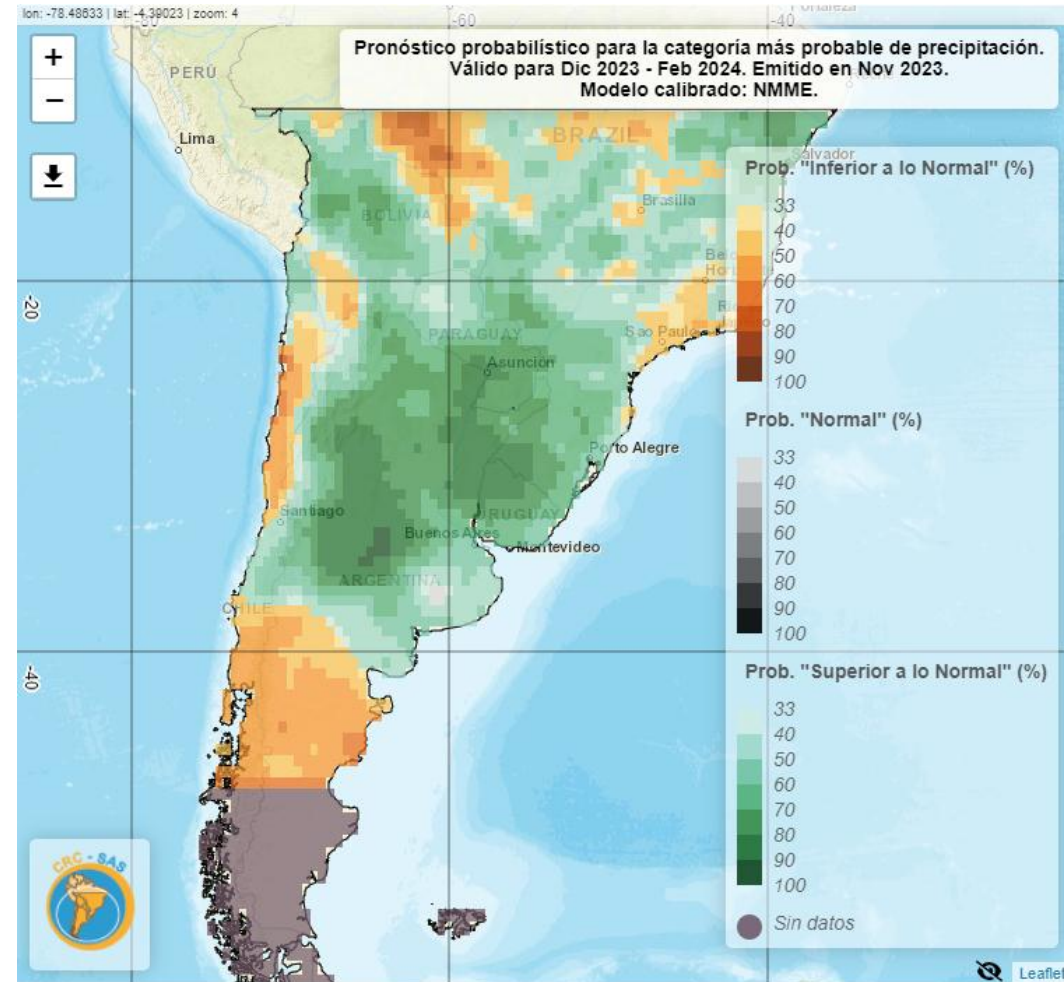
Pronósticos de precipitación – DEF 2023/2024

Del CRC-SAS

CLIMAR

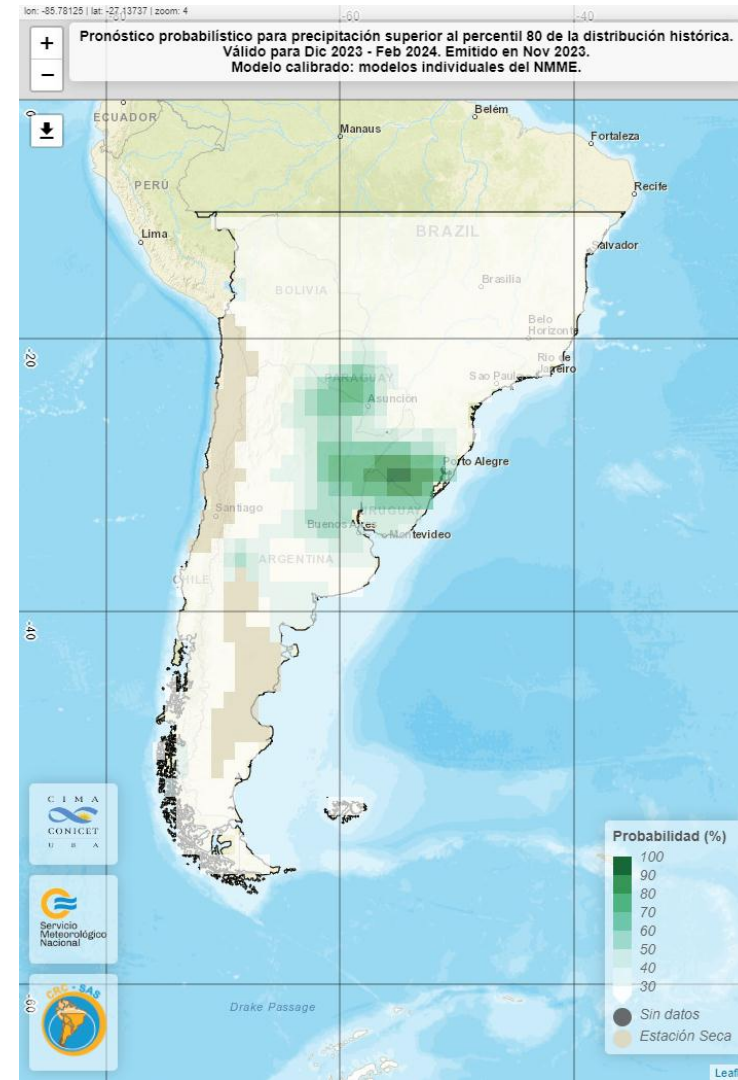
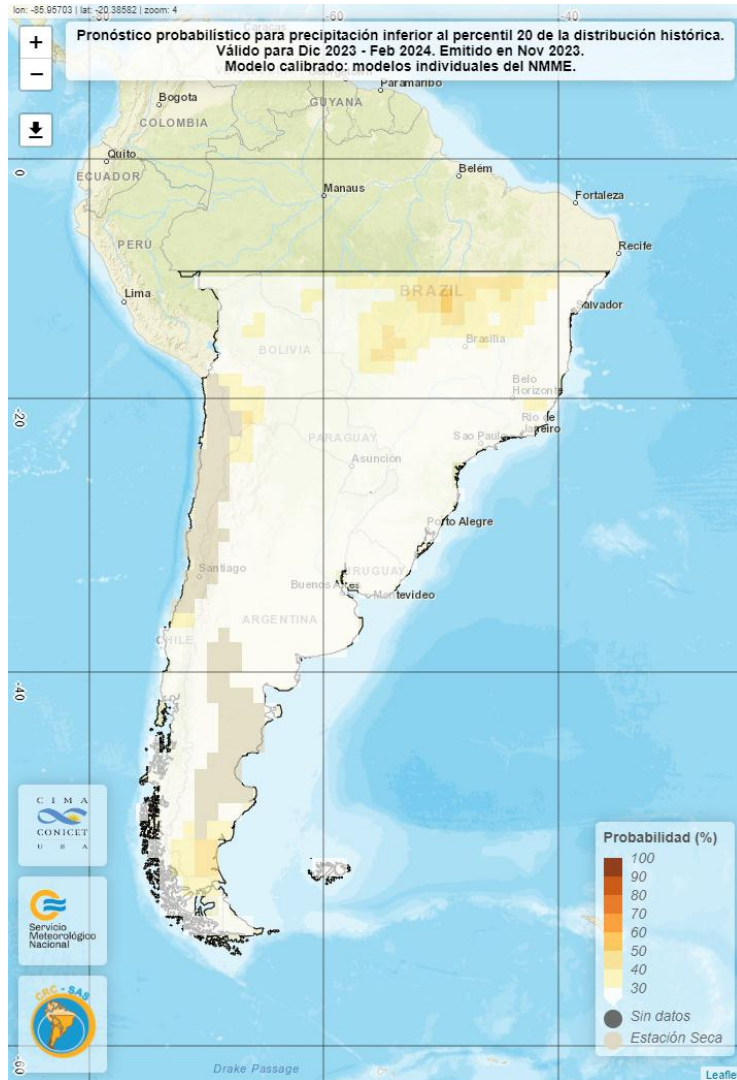


CPT



Pronósticos de precipitación– DEF 2023/2024

Del CRC-SAS



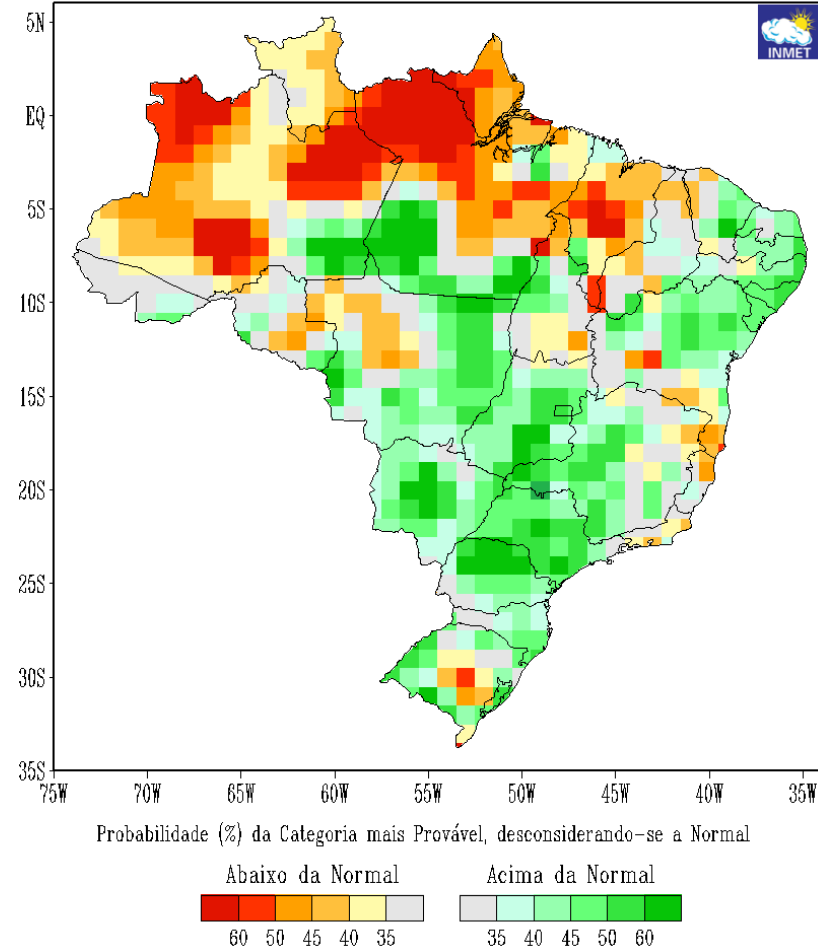
Pronósticos de precipitación – DEF 2023/2024

Consenso Chile ND 2023 - E 2024



Consenso Brasil

PREVISÃO PROBABILÍSTICA EM TERCIS – PRECIPITAÇÃO
ATUALIZAÇÃO – NOVEMBRO/2023
VÁLIDO PARA DEZEMBRO/2023-JANEIRO-FEVEREIRO/2024



Pronósticos de precipitación – DEF 2023/2024

Consenso Uruguay

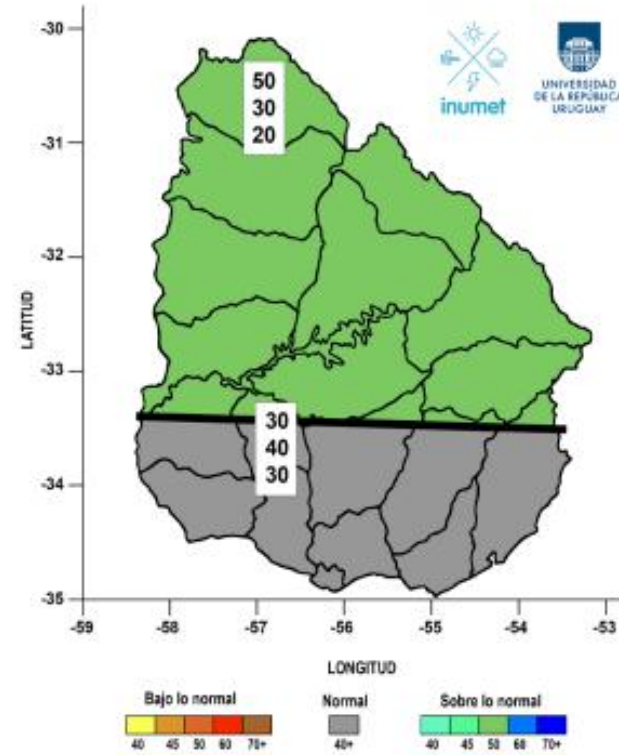
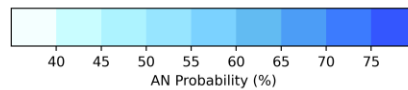
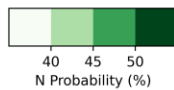
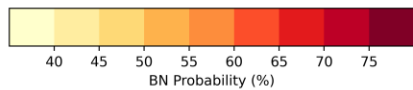
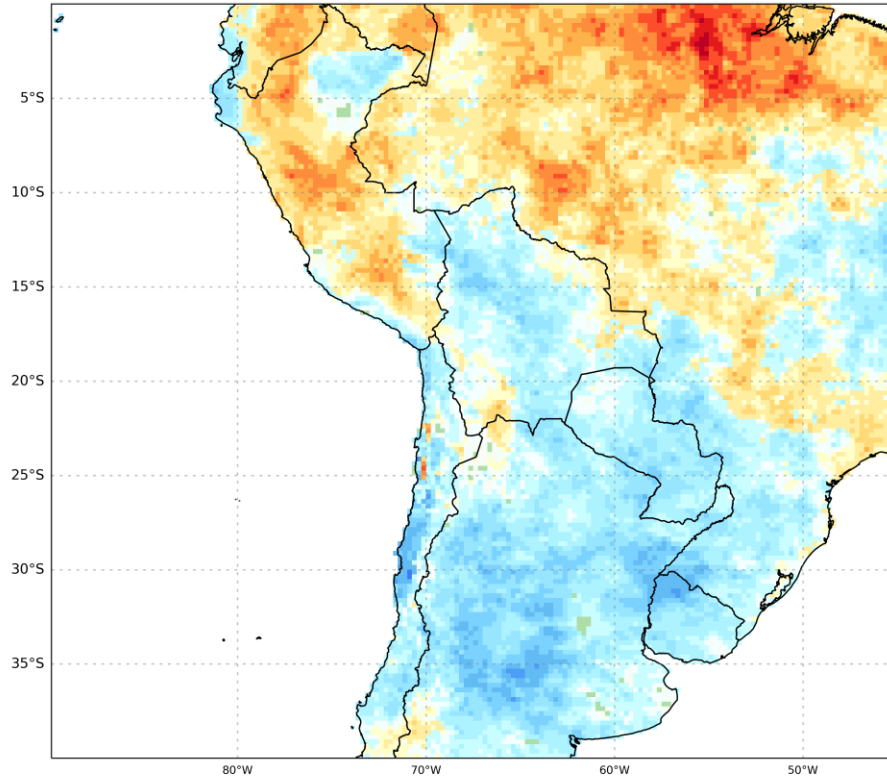


FIGURA 1: Probabilidades en porcentajes de los terciles de precipitación.
Meses: diciembre-enero-febrero 2023-2024.

Pronósticos de precipitación – DEF 2023/2024

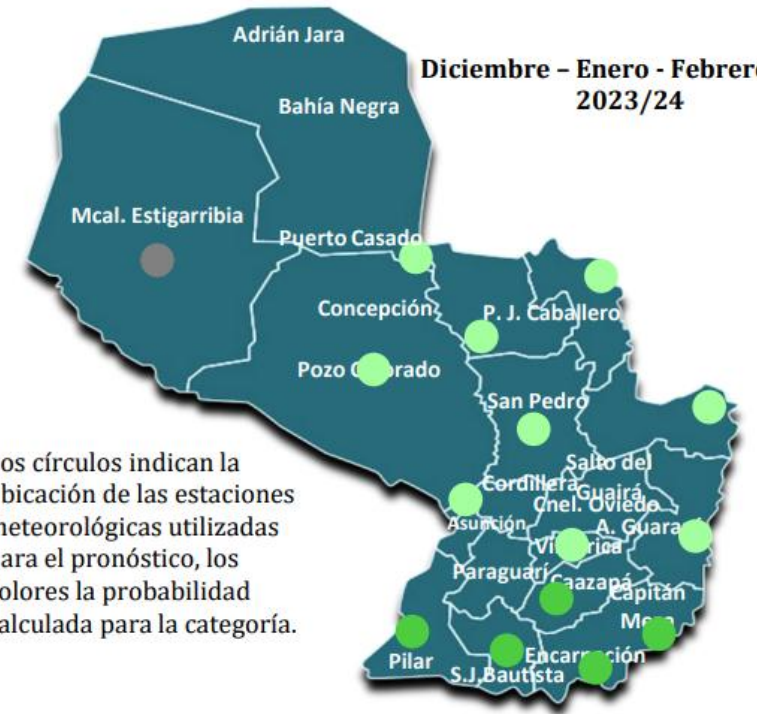
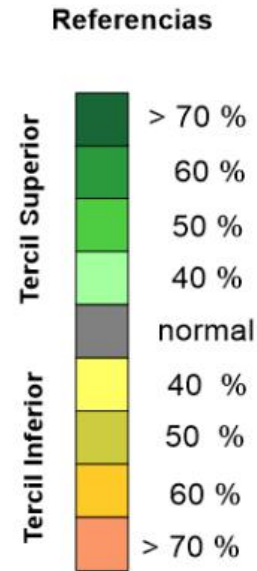
CPT

Dec-Feb



Consenso Paraguay

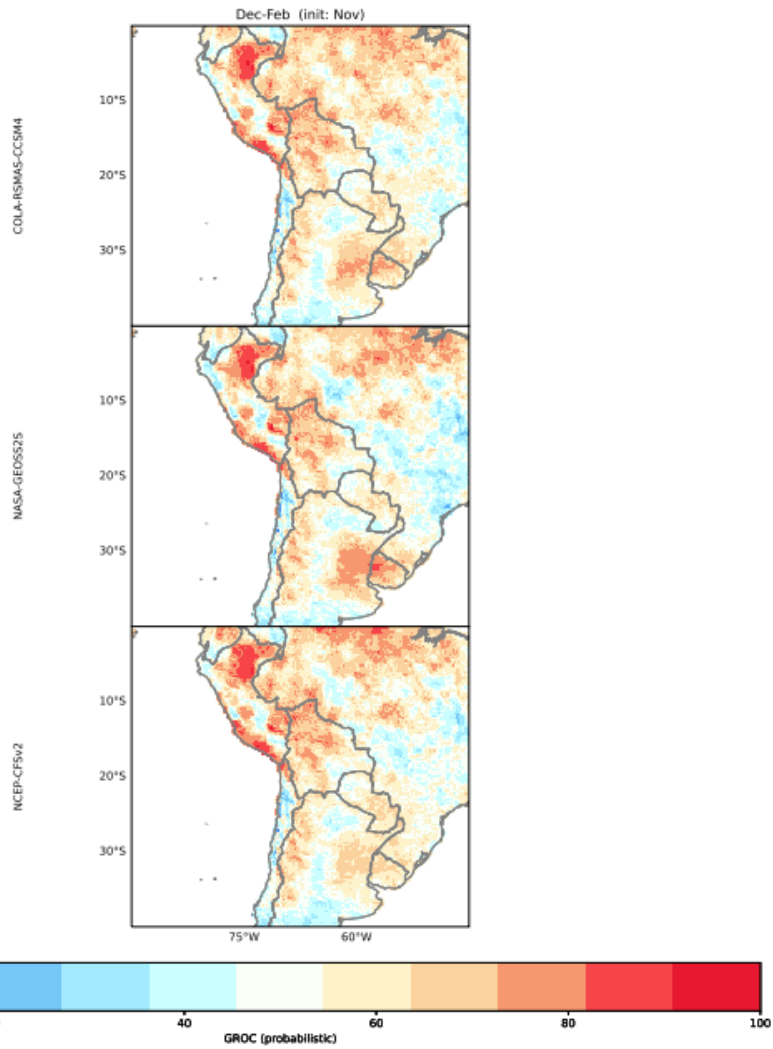
Diciembre - Enero - Febrero
2023/24



Los círculos indican la ubicación de las estaciones meteorológicas utilizadas para el pronóstico, los colores la probabilidad calculada para la categoría.

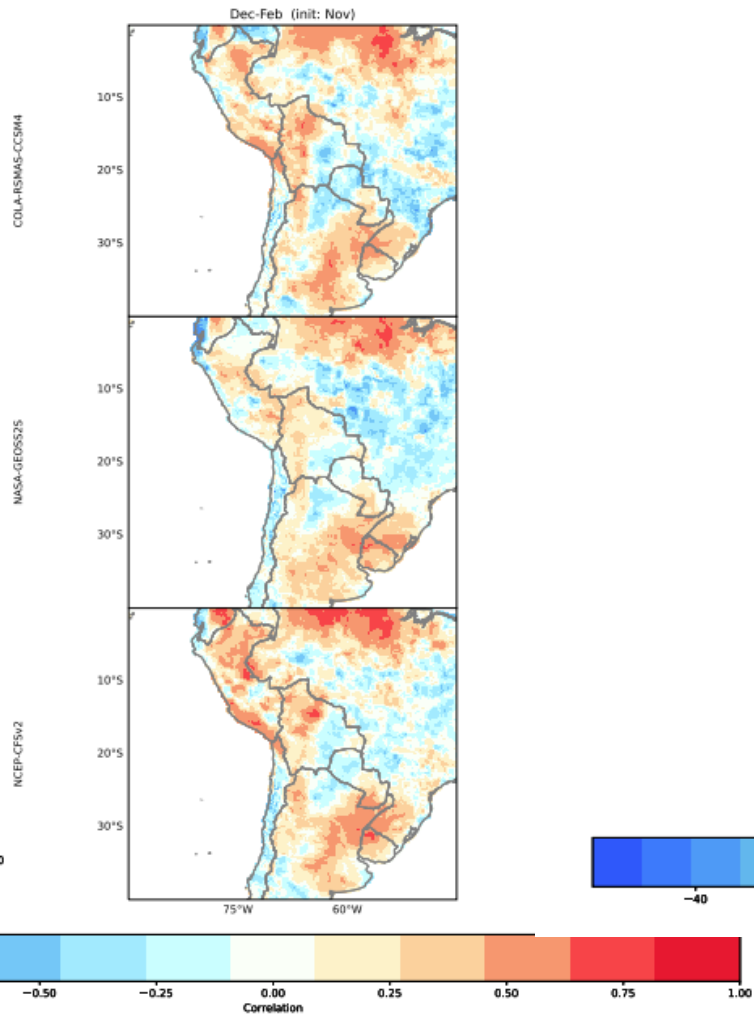
Pronósticos de precipitación – DEF 2023/2024

ROC

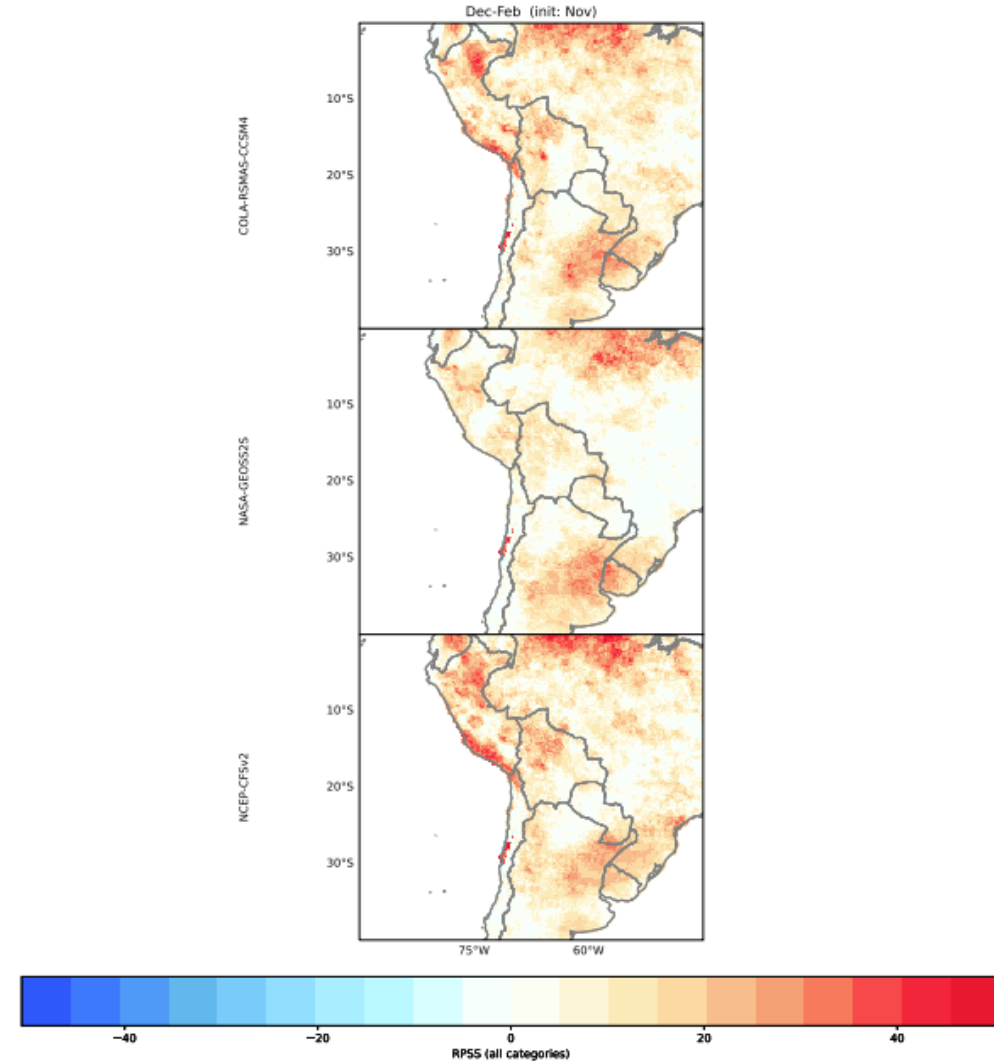


CPT

PEARSON



RPSS



Pronósticos de precipitación – DEF 2023/2024

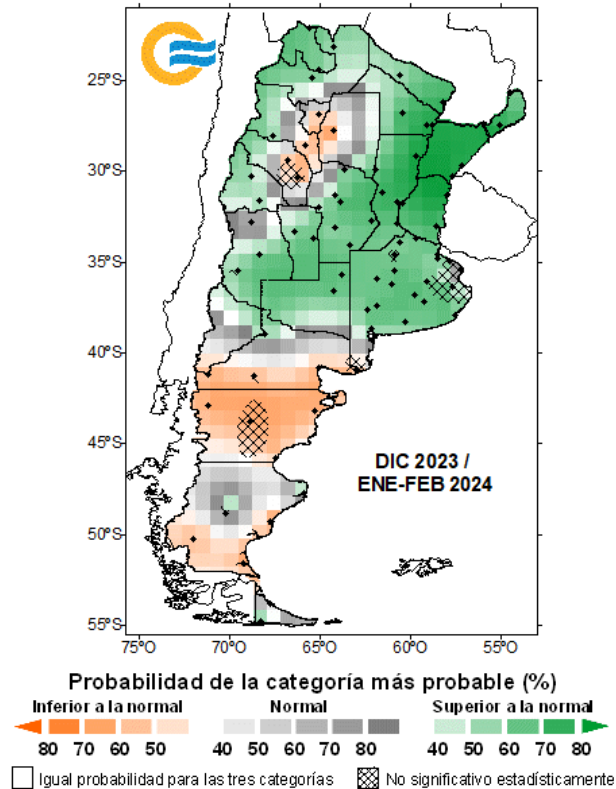
Argentina

CPT

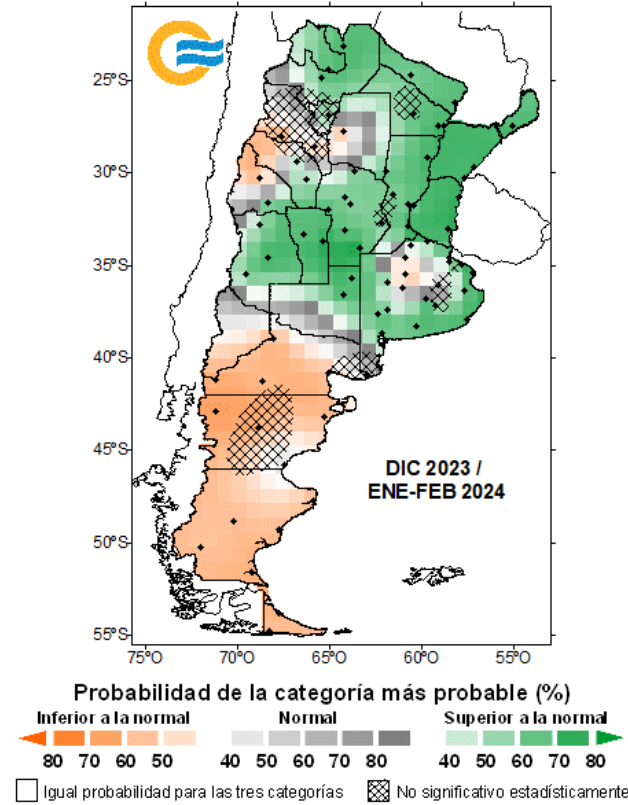
CPT NMME

Consenso Argentina

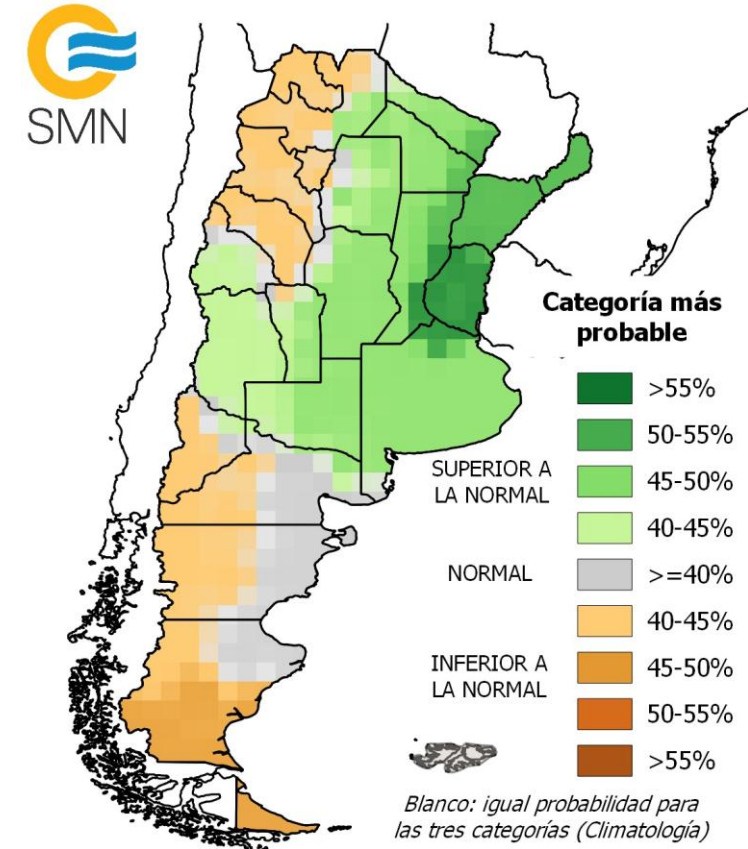
Pronóstico de Precipitación (Modelo 1)



Pronóstico de Precipitación (Modelo 2)



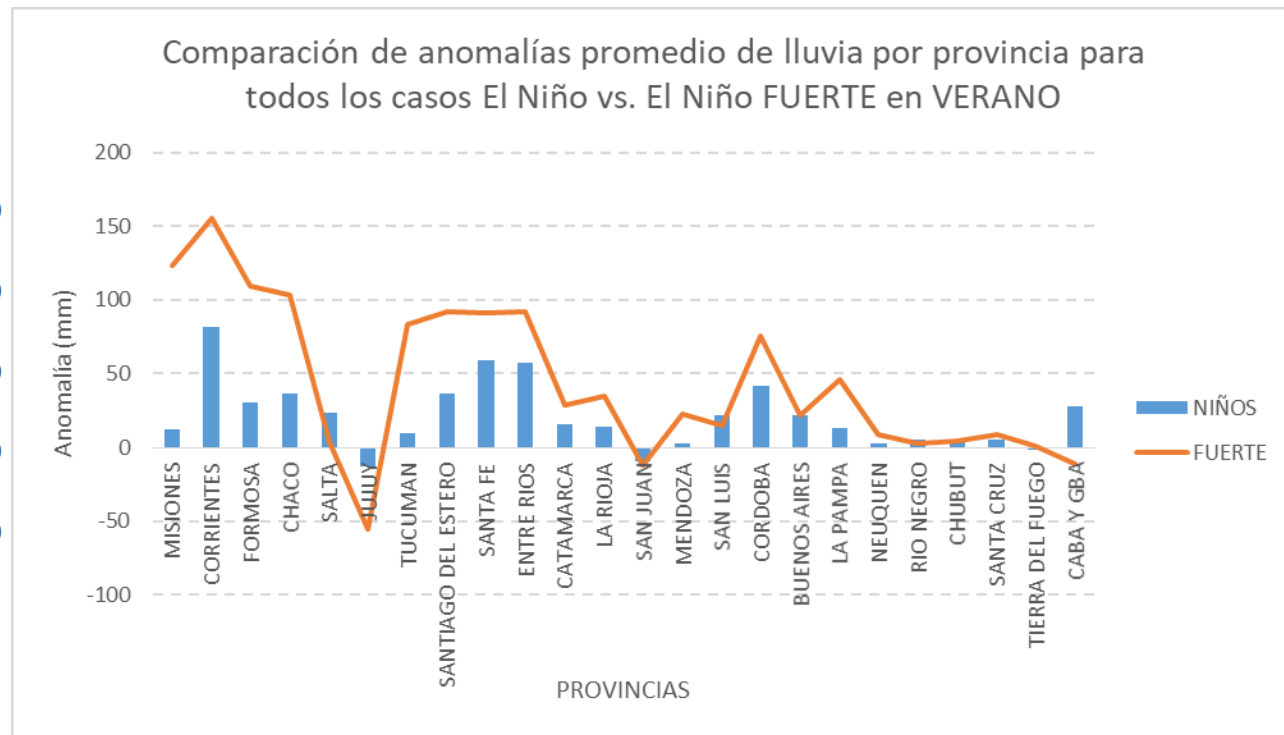
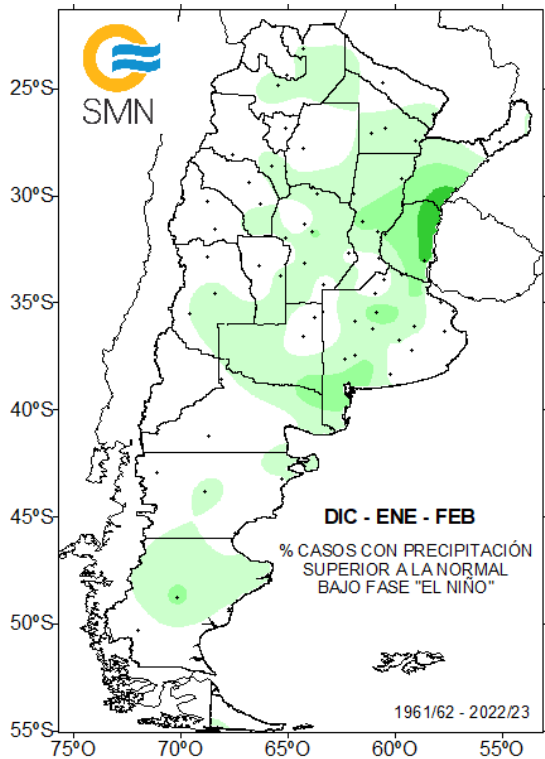
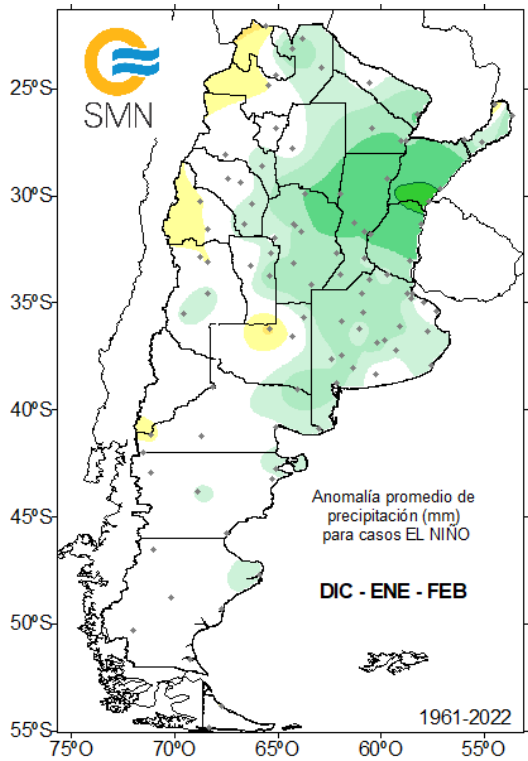
Pronóstico de Precipitación
Diciembre 2023 / Enero-Febrero 2024



El Niño – DEF 2023/2024

Argentina

Composición Años El Niño (1961- 2022)





Temperatura

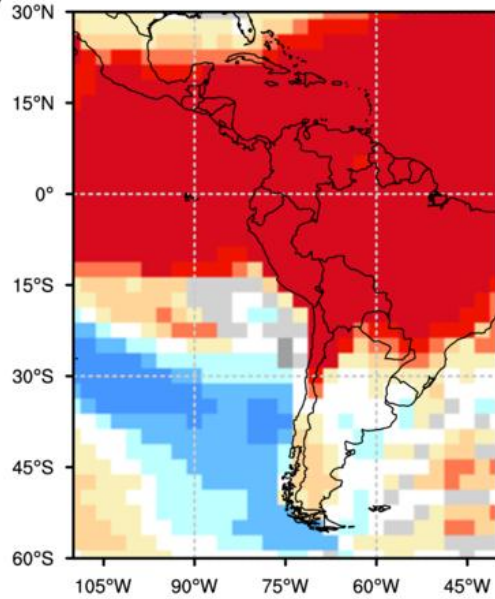
Diciembre 2023/ Enero-Febrero 2024

Resumen de pronósticos de temperatura – DEF 2023/2024

WMO LC

Probabilistic Multi-Model Ensemble Forecast
Beijing,CMCC,CPTEC,Melbourne,Montreal,Moscow,Seoul

2m Temperature : DJF2023



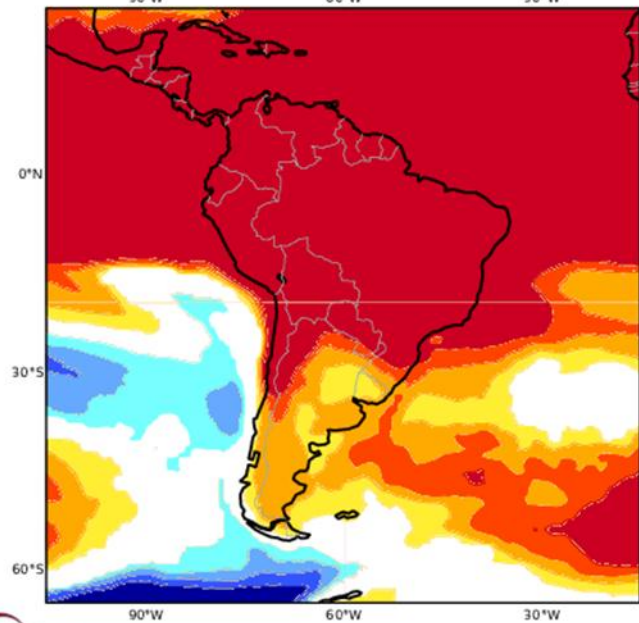
Below-Normal Near-Normal Above-Normal

80 70 60 50 40 0 40 50 60 70 80 0 40 50 60 70 80

C3S

C3S multi-system seasonal forecast
Prob(most likely category of 2m temperature)
Nominal forecast start: 01/11/23
Unweighted mean

DJF 2023/24

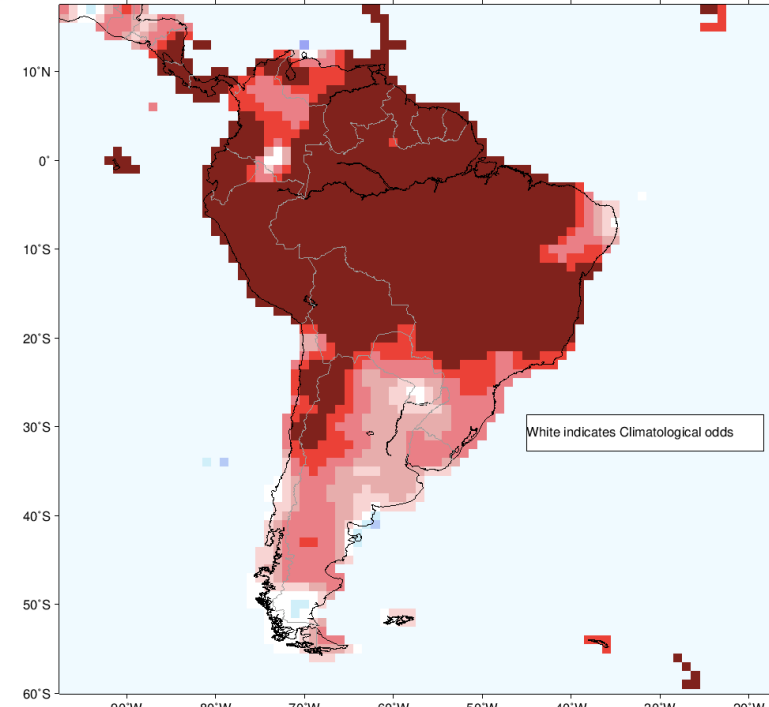


above upper tercile
70-.100%
60-.70%
50-.60%
40-.50%
other
40-.50%
50-.60%
60-.70%
70-.100%
below lower tercile



IRI

IRI Multi-Model Probability Forecast for Temperature for December–January–February 2024, Issued November 2023



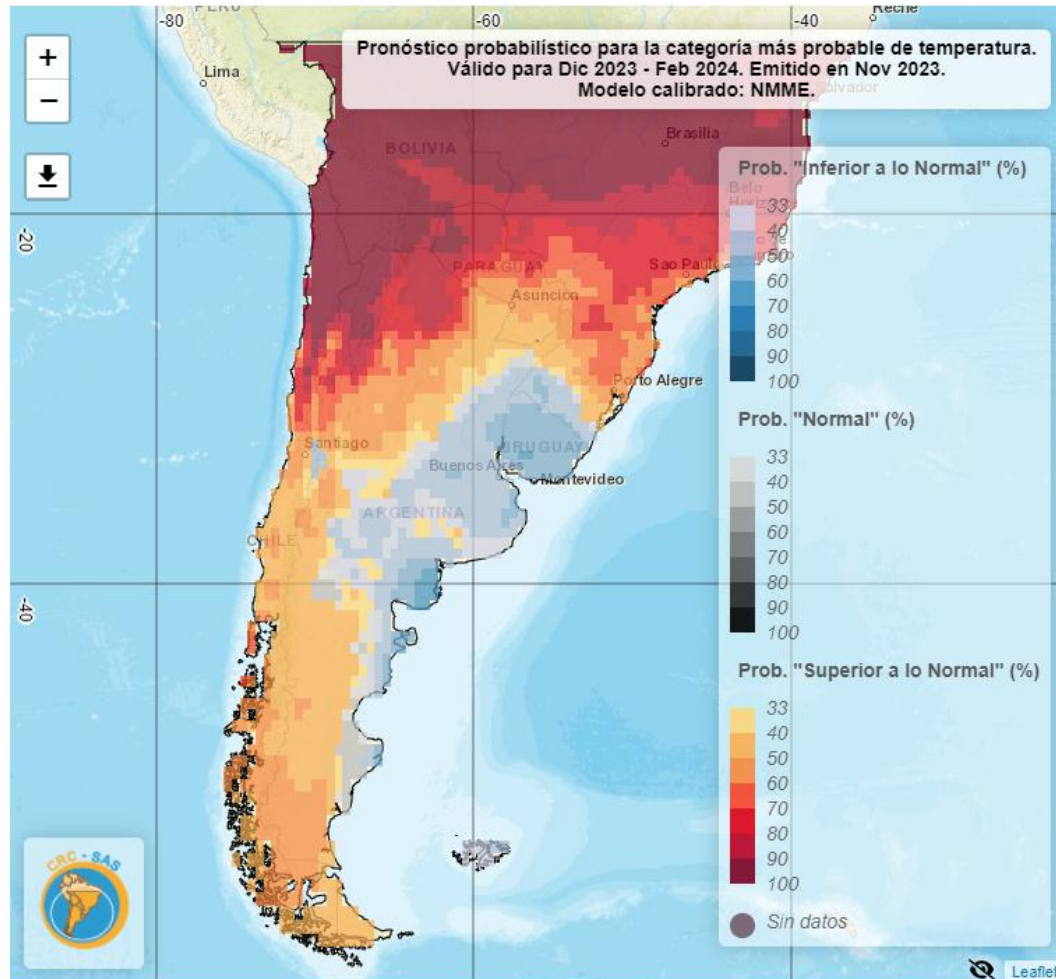
Probability (%) of Most Likely Category
Below Normal 40 45 50 60 70+
Normal 40+
Above Normal 40 45 50 60 70+

White indicates Climatological odds

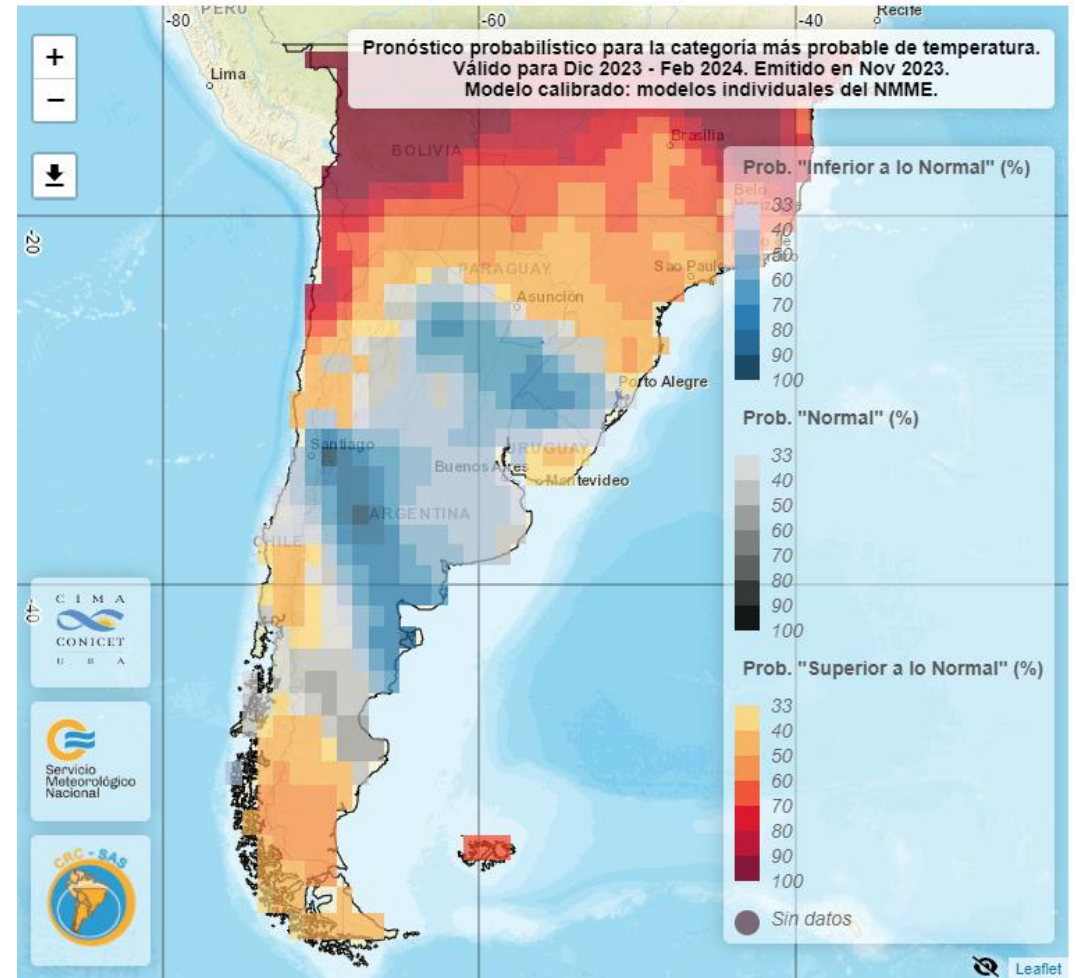
Pronósticos de temperatura media – DEF 2023/2024

Del CRC-SAS

CLIMAR

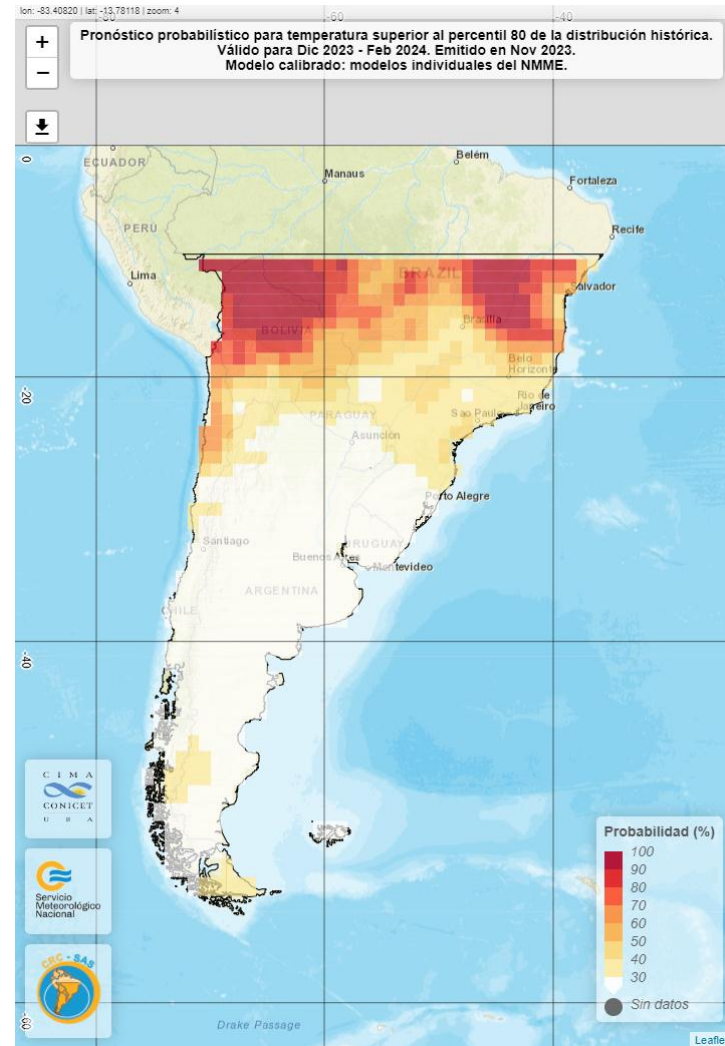
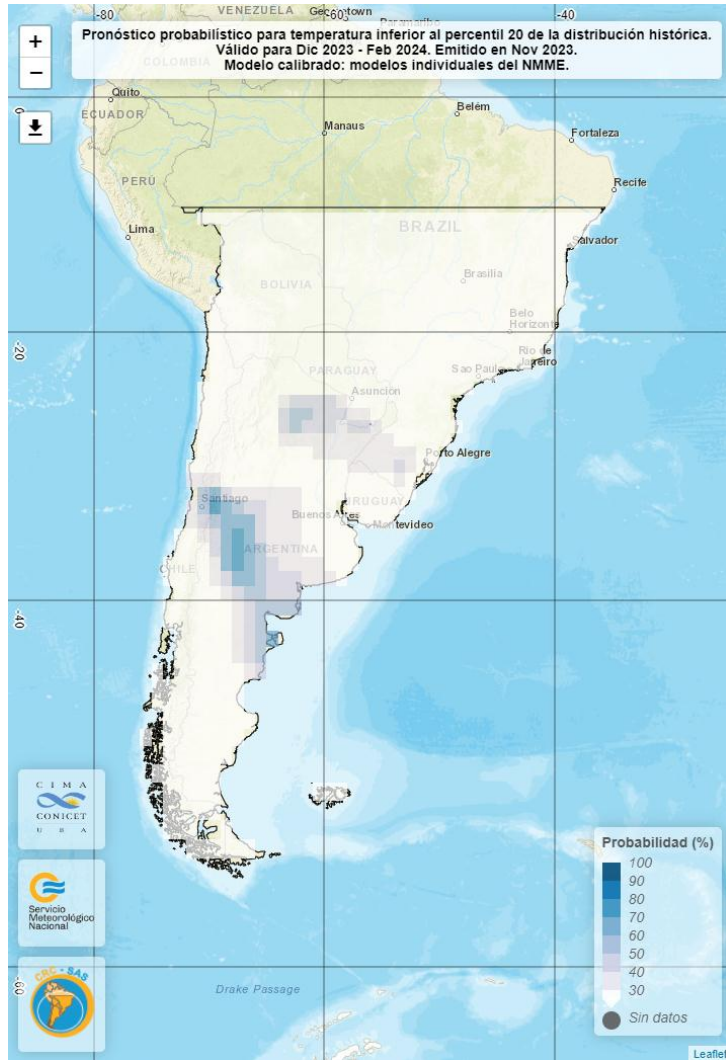


CPT



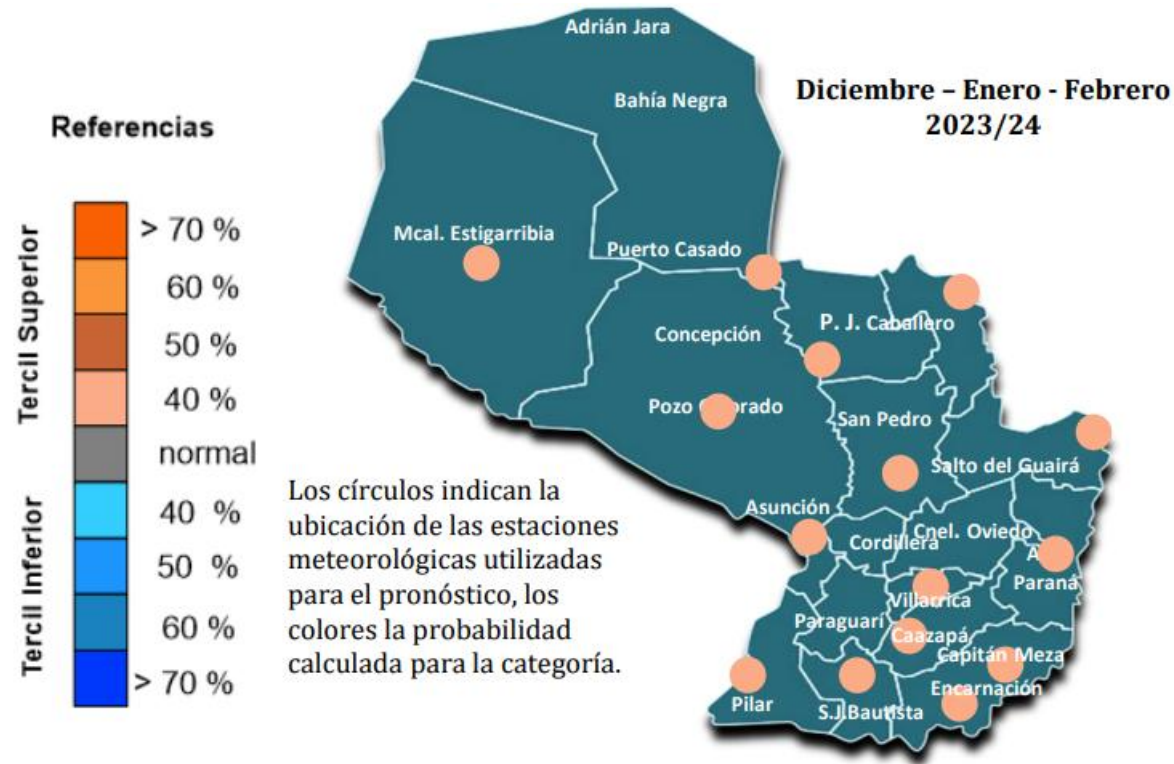
Pronósticos de temperatura– DEF 2023/2024

Del CRC-SAS



Pronósticos de temperatura media– DEF 2023/2024

Consenso Paraguay



Consenso Uruguay

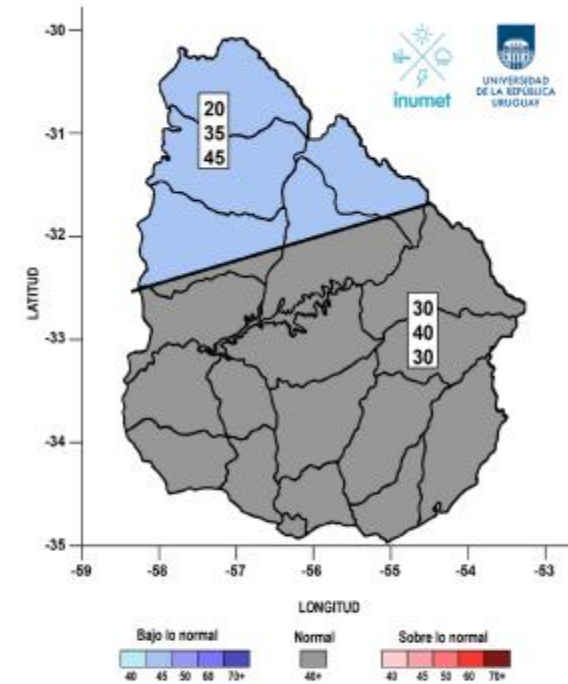


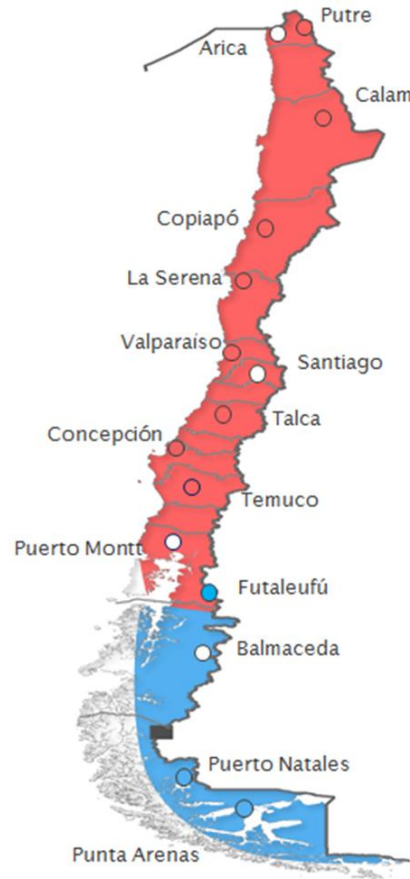
FIGURA 2: Probabilidades en porcentajes de los terciles de temperatura.

Meses: diciembre-enero-febrero 2023-2024.

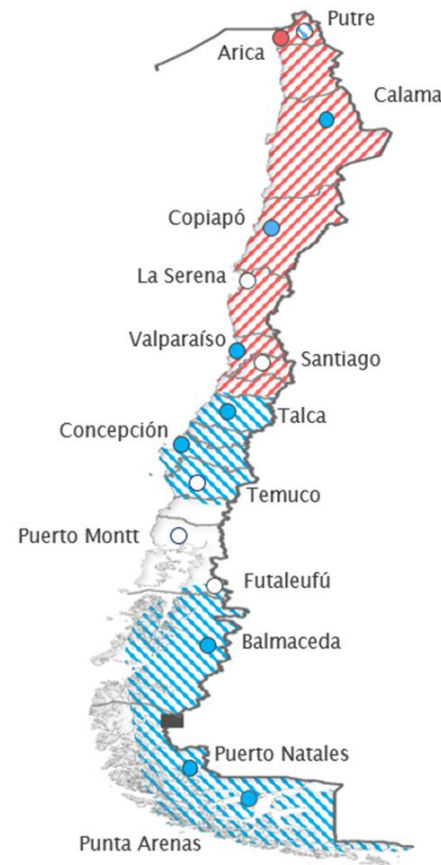
Pronósticos de temperatura – DEF 2023/2024

Consenso Chile
ND 2023 - E 2024

Temperatura Máxima

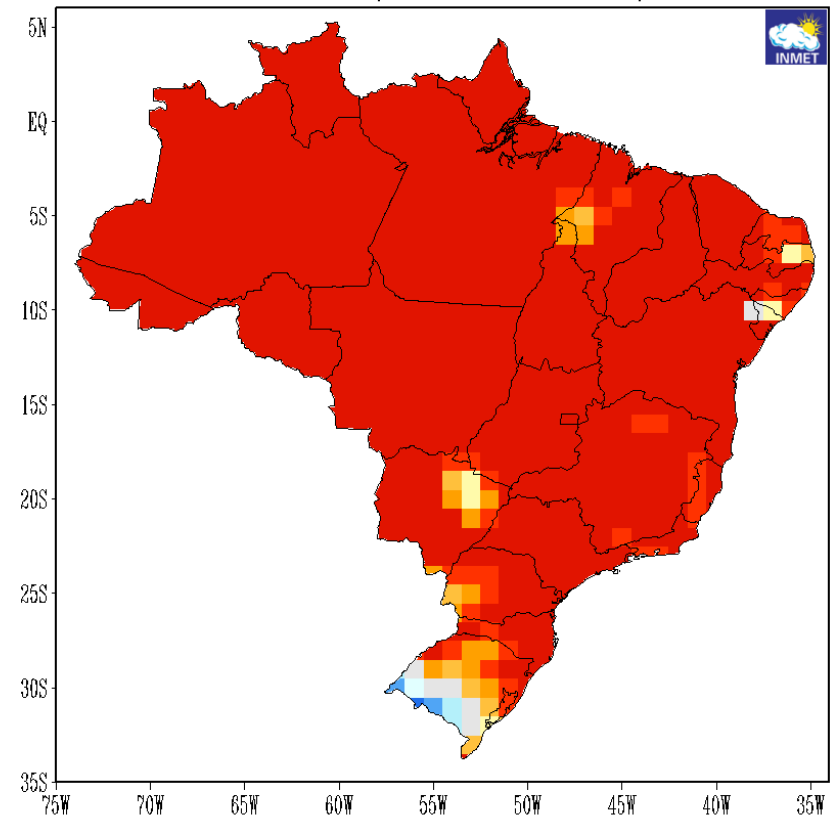


Temperatura Mínima



Consenso Brasil

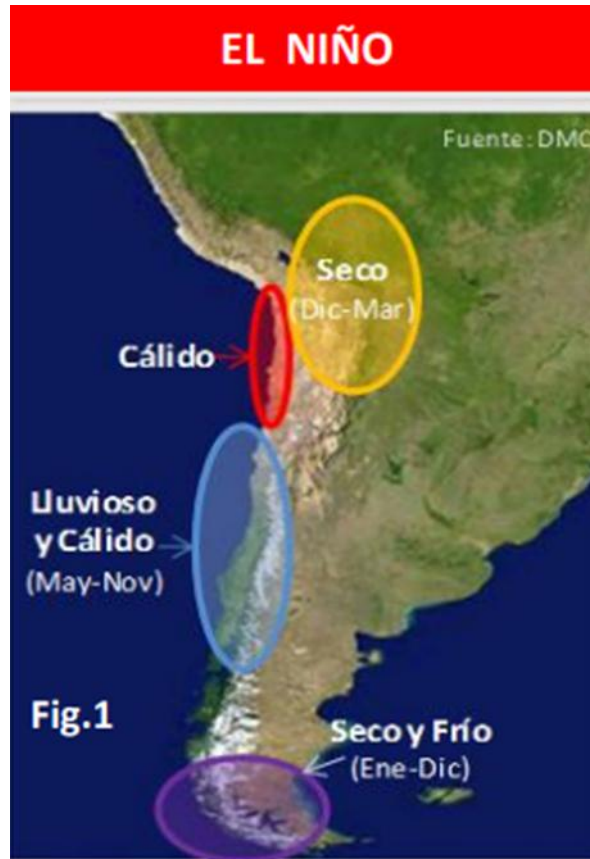
PREVISÃO PROBABILÍSTICA EM TERCIS – TEMPERATURA
ATUALIZAÇÃO – NOVEMBRO/2023
VÁLIDO PARA DEZEMBRO/2023-JANEIRO-FEVEREIRO/2024



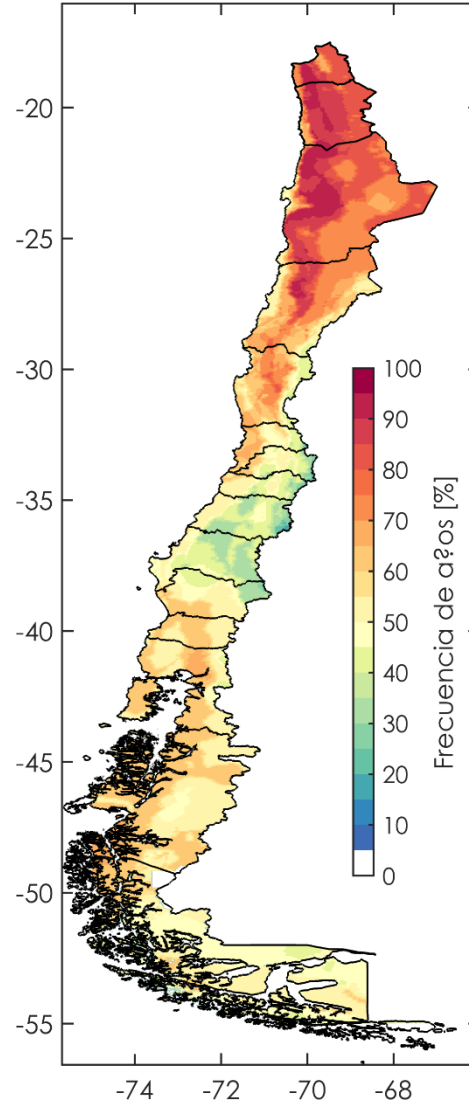
Probabilidade (%) da Categoria mais Provável, desconsiderando-se a Normal



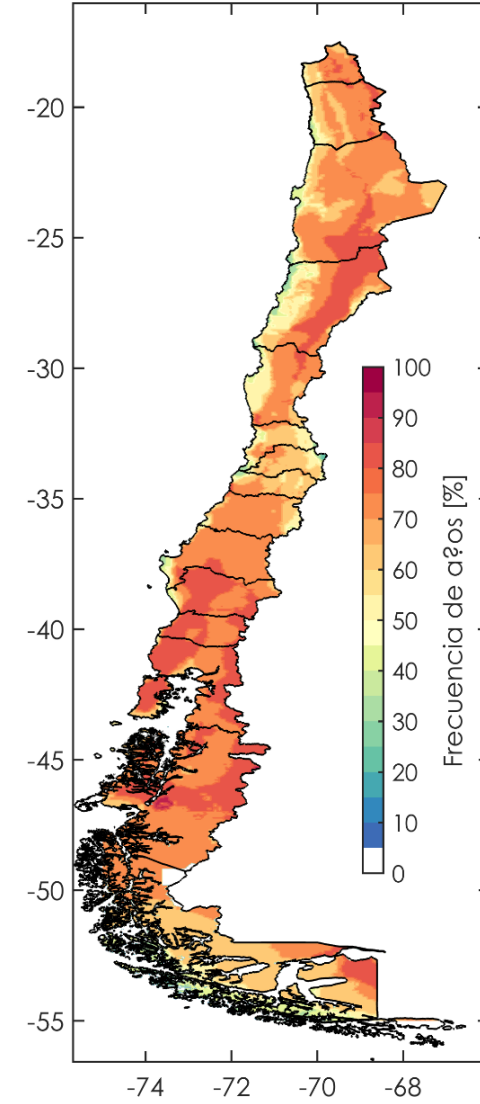
Comportamiento Veranos (noviembre-marzo) 1990-2023



T Max. sobre normal
Nov-Mar con El Niño (1979-2019)



T Max. sobre normal
Nov-Mar de Megasequía (2010-2019)



Pronósticos de temperatura media – DEF 2023/2024

Argentina

CPT

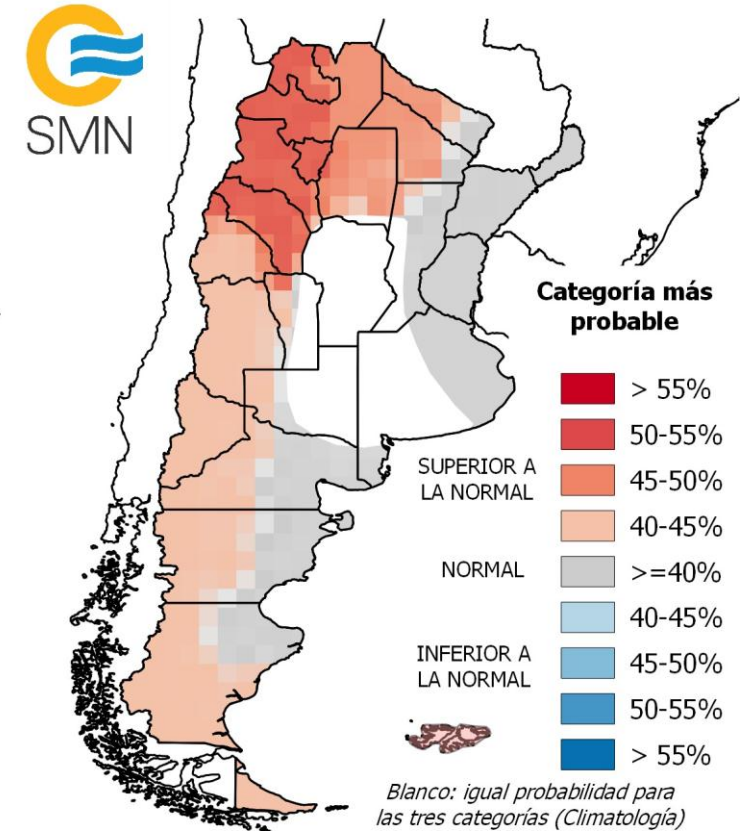
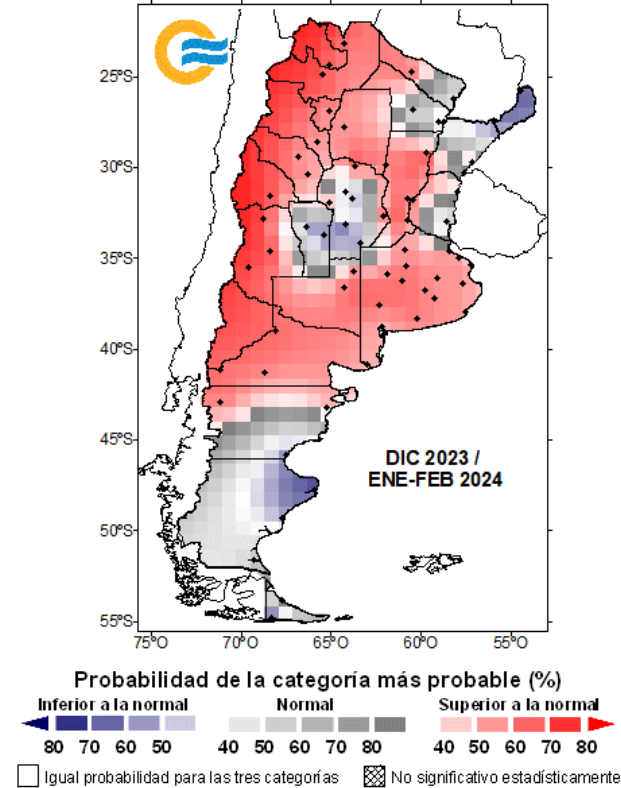
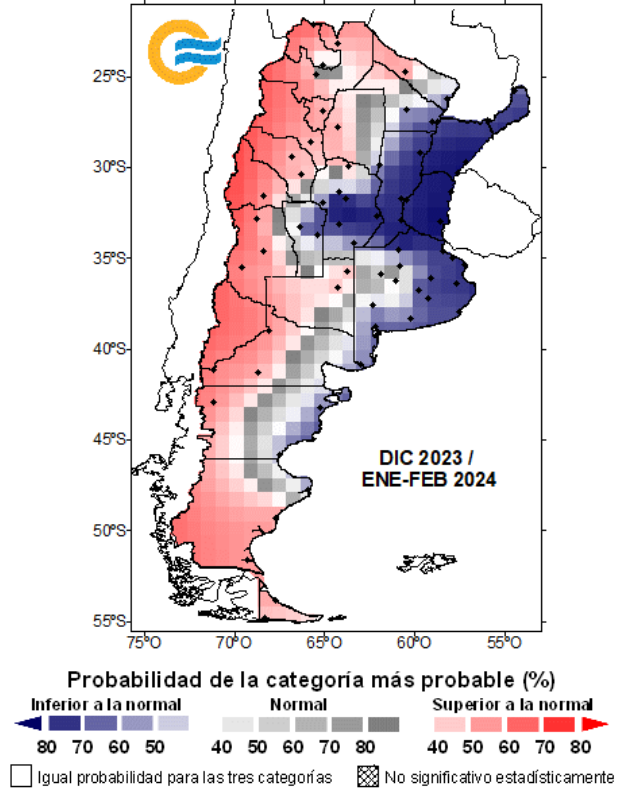
CPT NMME

Consenso Argentina

Pronóstico de Temperatura Media (Modelo 1)

Pronóstico de Temperatura Media (Modelo 2)

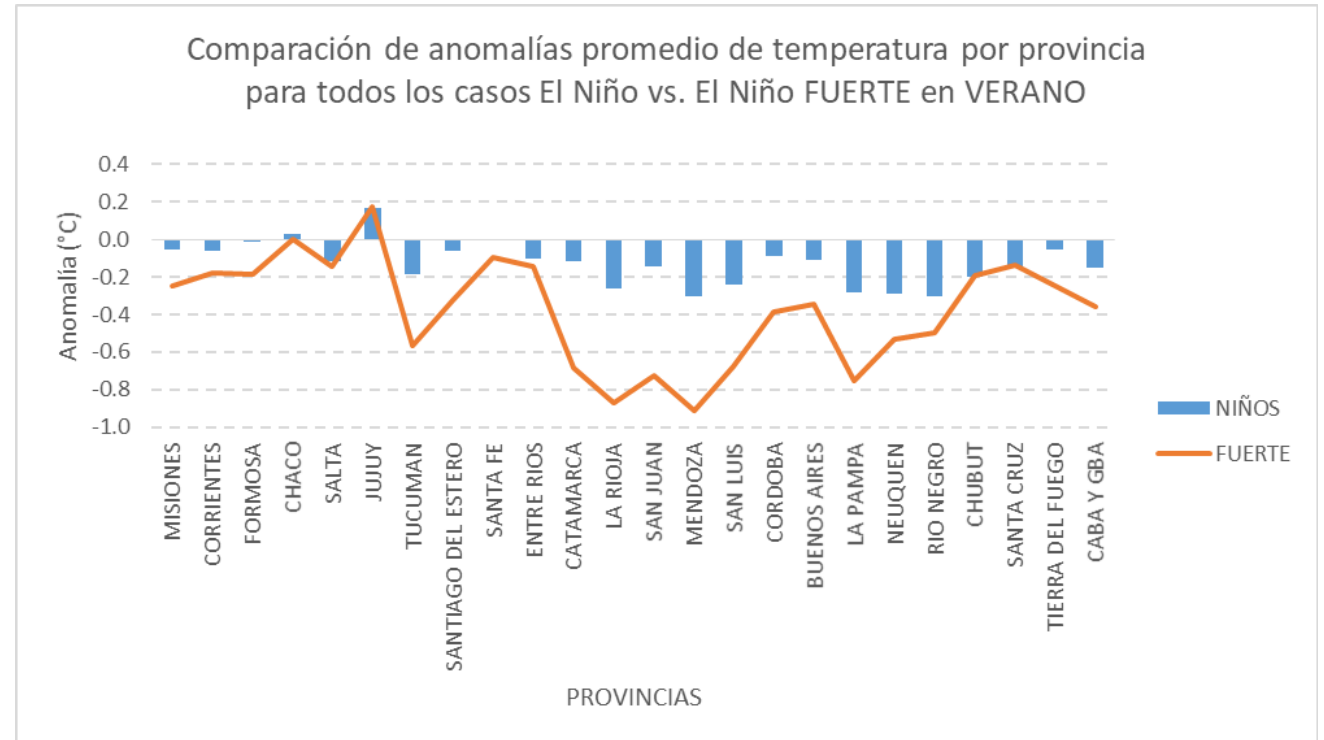
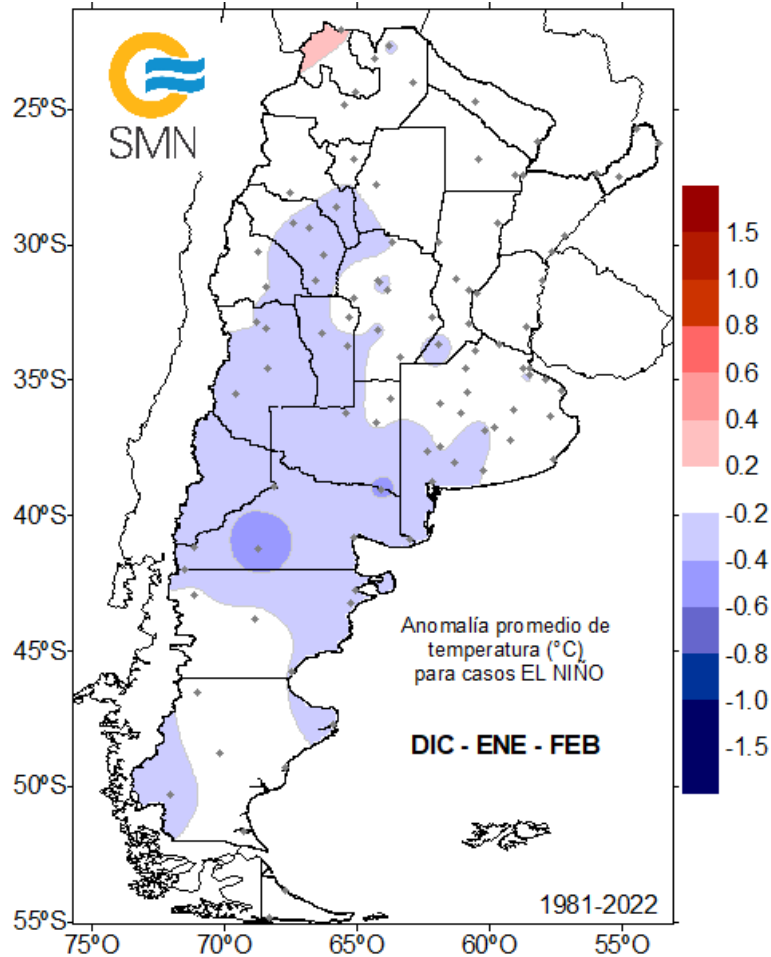
Pronóstico de Temperatura
Diciembre 2023 / Enero-Febrero 2024



El Niño – DEF 2023/2024

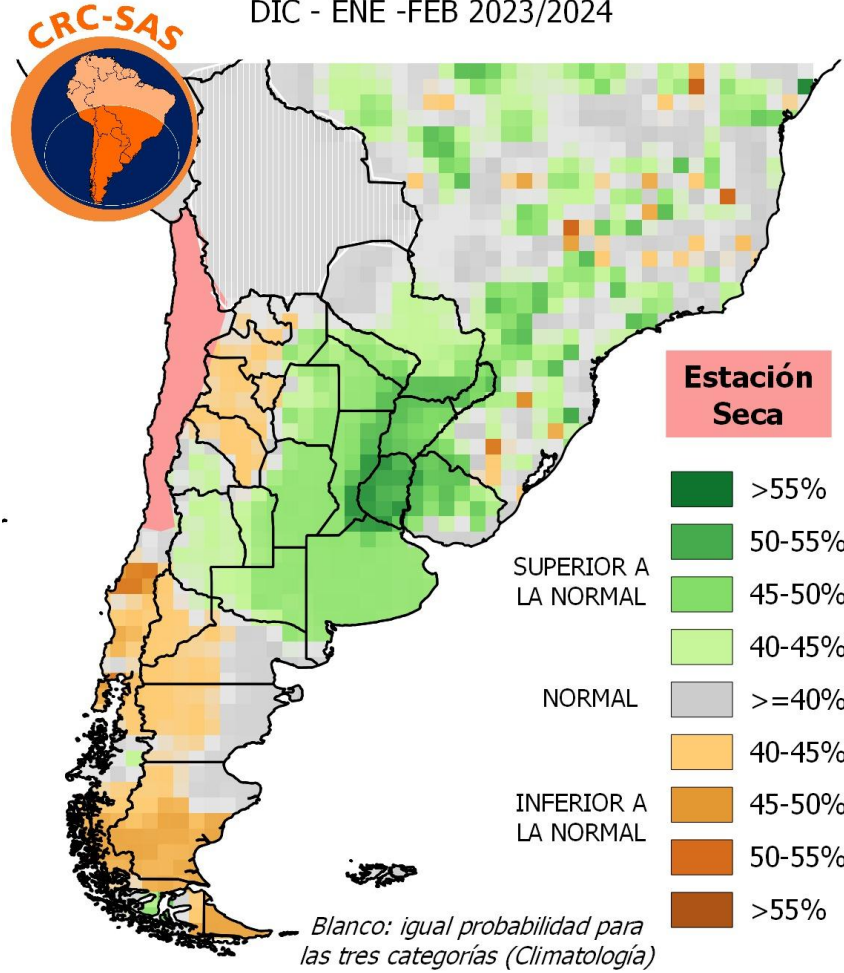
Argentina

Composición Años El Niño (1981- 2022)



Pronóstico de consenso regional

Pronóstico Climático Trimestral - Precipitación
DIC - ENE - FEB 2023/2024



Pronóstico Climático Trimestral - Temperatura
DIC - ENE - FEB 2023/2024

