



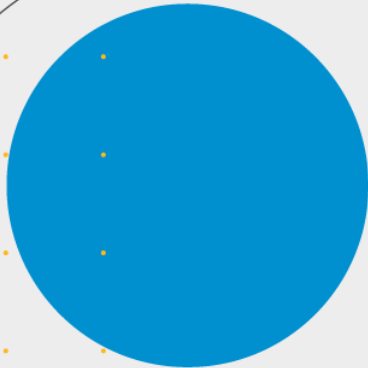
Servicio
Meteorológico
Nacional
Argentina

Perspectiva climática regional

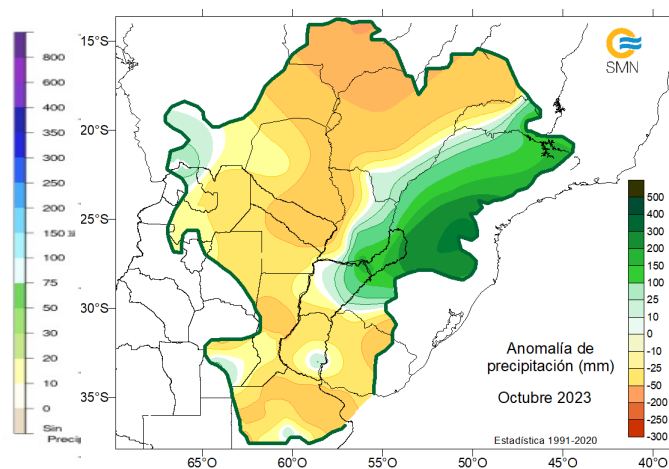
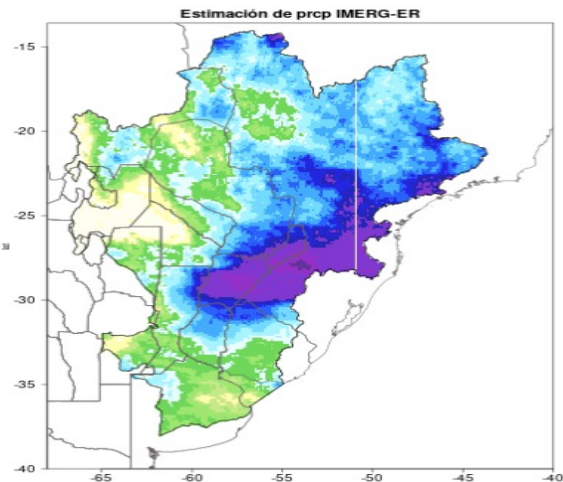
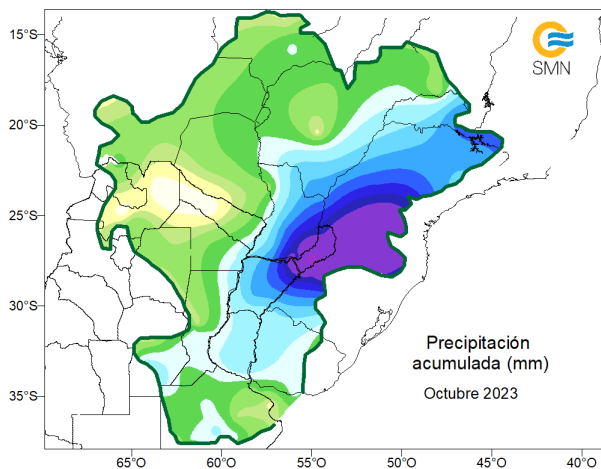


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Nacional
Argentina

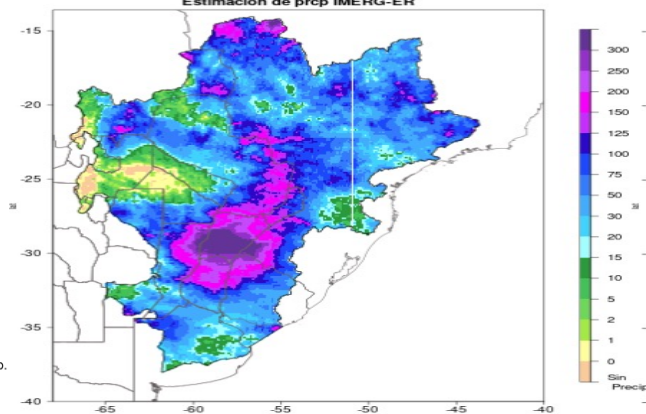
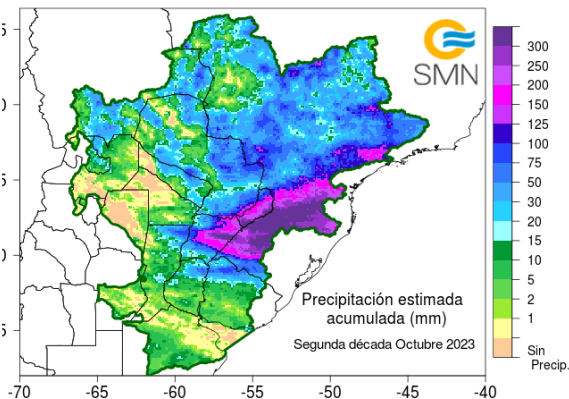
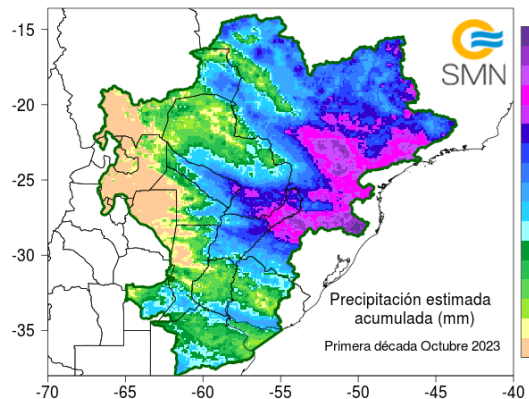
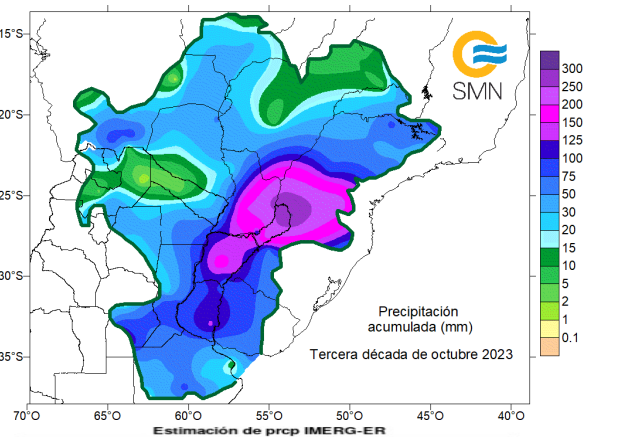
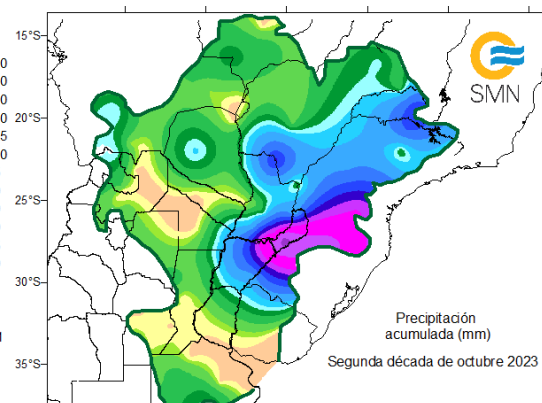
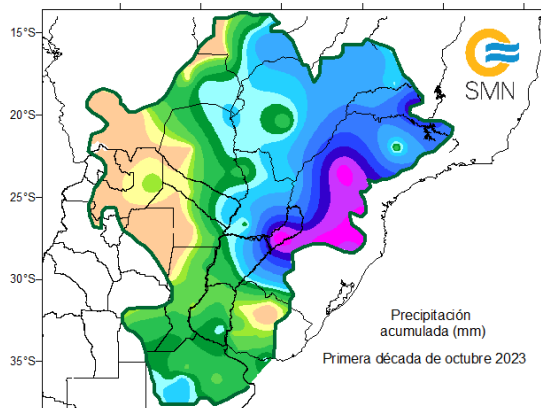
Precipitaciones



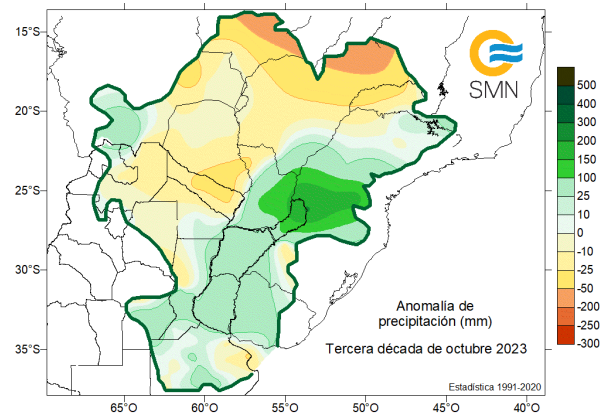
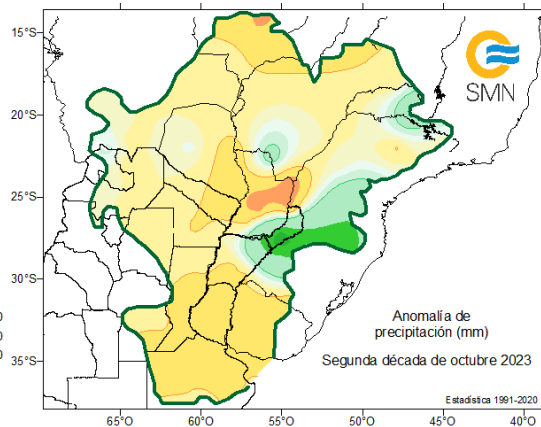
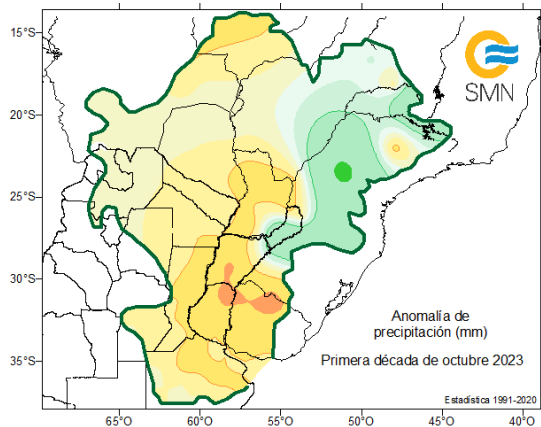
Precipitaciones octubre



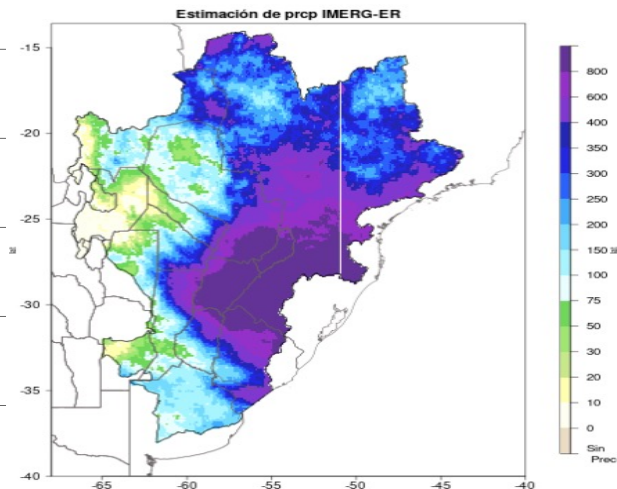
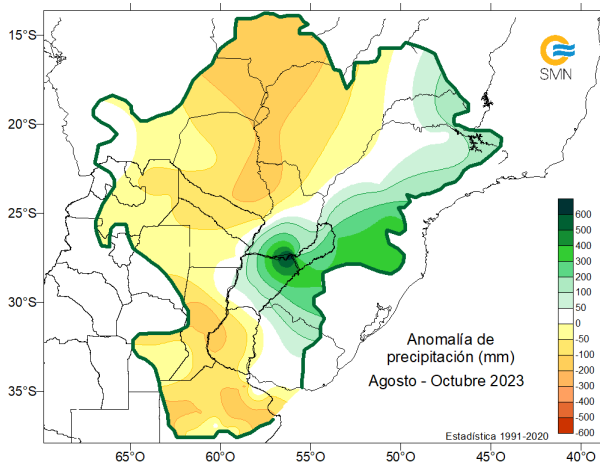
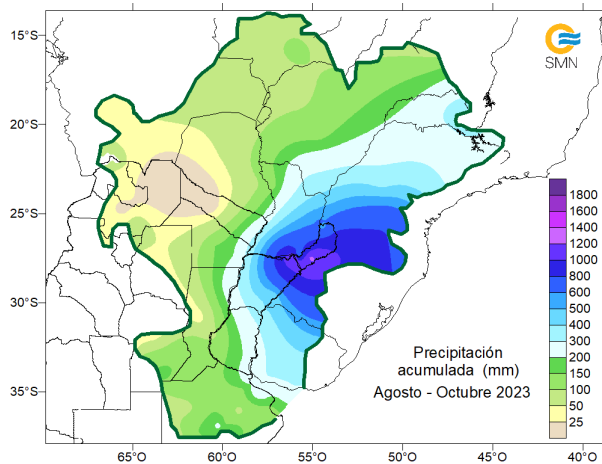
Precipitaciones octubre



Anomalia de precipitación octubre



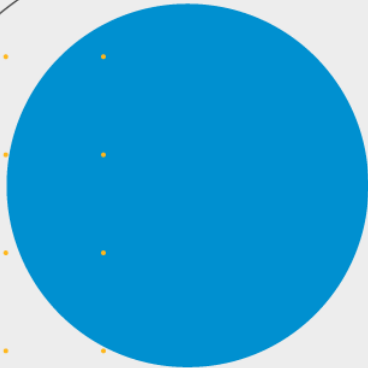
Precipitación agosto- octubre





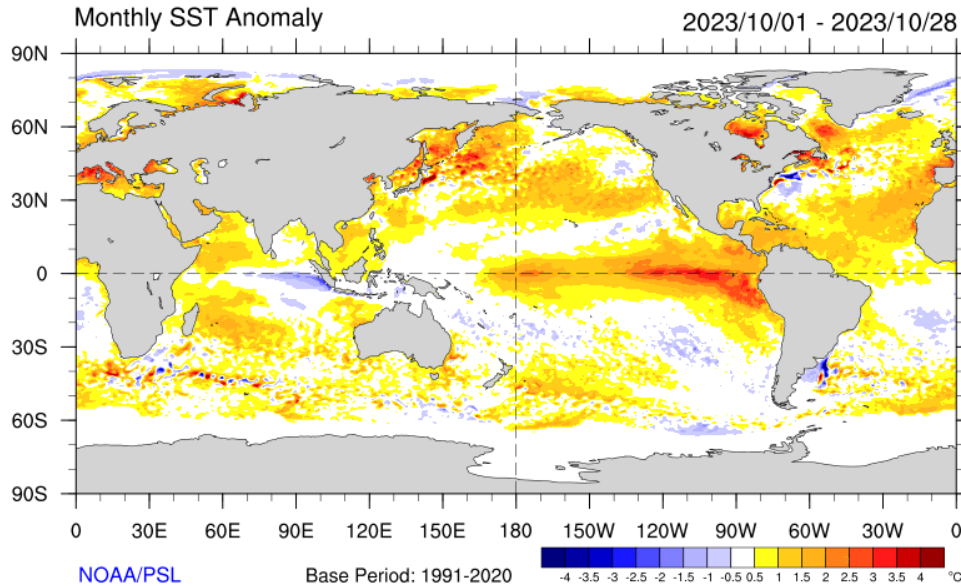
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Nacional
Argentina

EL NIÑO – Oscilación del Sur



Monitoreo: estado actual del ENOS

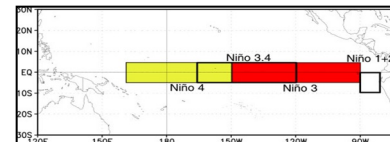
Estado actual: condiciones Niño



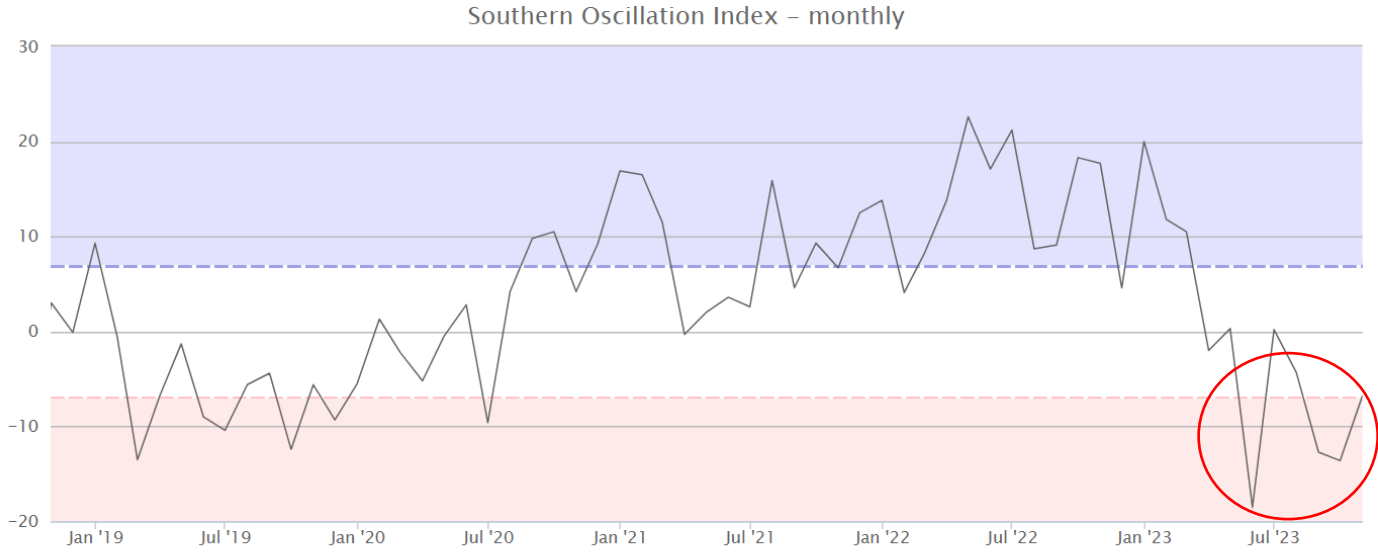
Anomalía de la Temperatura superficial del Mar (°C) en el último mes (01/10/2023 AL 28/10/2023).

Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO
2023	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.3	

Intensidad: según el índice oceánico del ENOS (ONI), estamos transitando un Niño moderado ($1 < ONI < 1,5$)

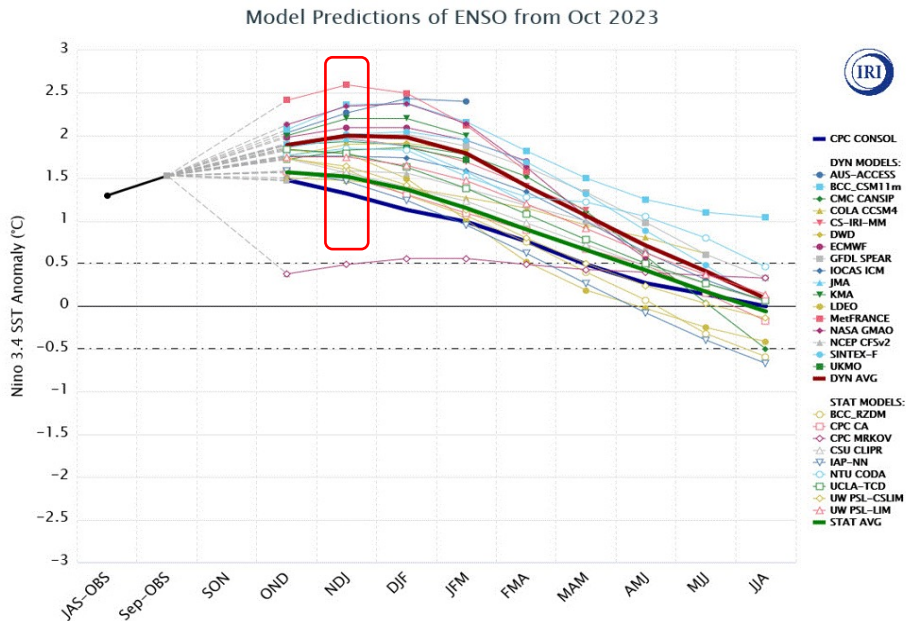
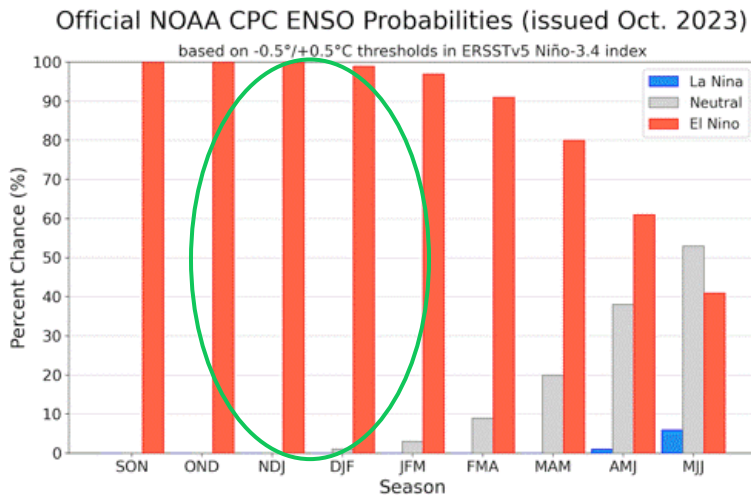


Indice de Oscilación del Sur



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Pronóstico del ENOS



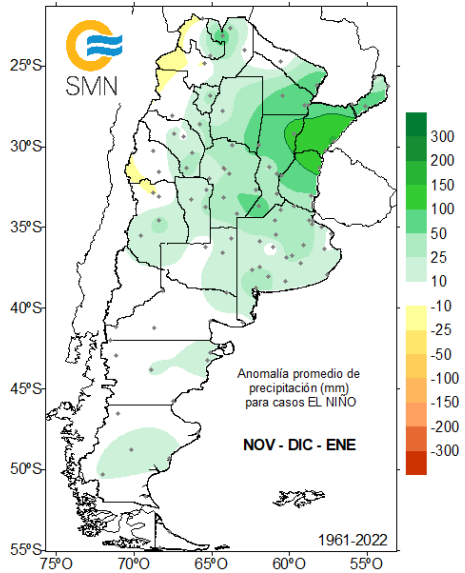
Se espera que se mantenga el Niño durante lo que resta de primavera y verano.

Según la mayoría de los modelos, la máxima intensidad se alcanzaría en verano, y luego se debilitaría gradualmente.

COMPOSICIÓN PARA CASOS EL NIÑO

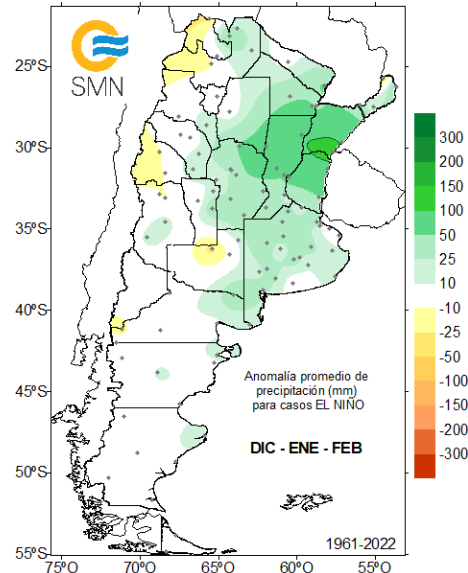
7

Fueron considerados de **FUERTE** intensidad (1965-1972-1982-1987-1991-1997-2015)



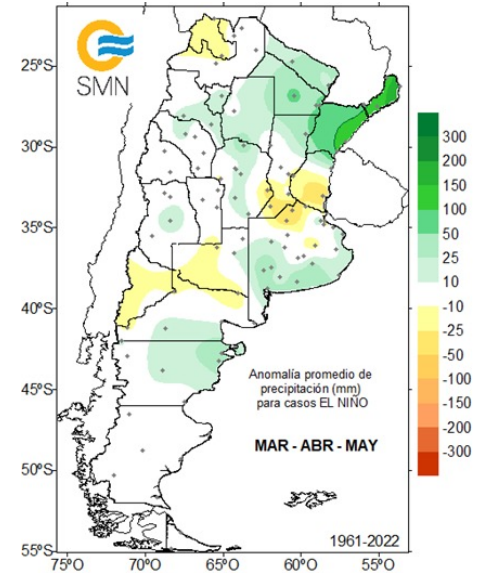
6

Fueron **MODERADOS** (1963-1968-1986-1994-2002-2009)



8

Fueron **DÉBILES** (1969-1976-1977-1979-2004-2006-2014-2018)



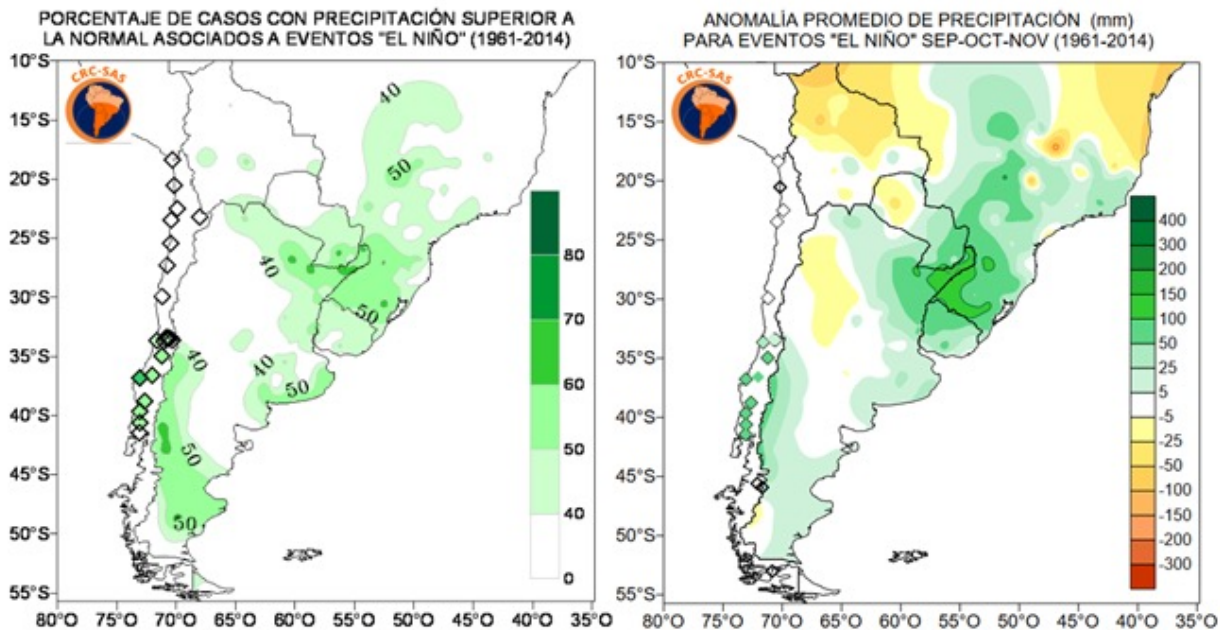
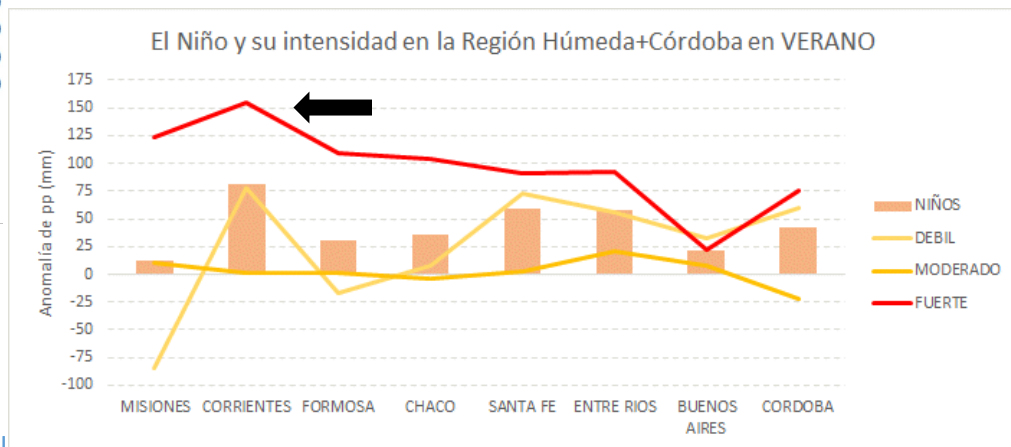
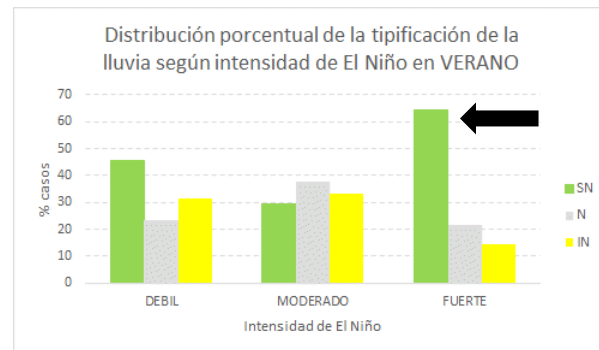
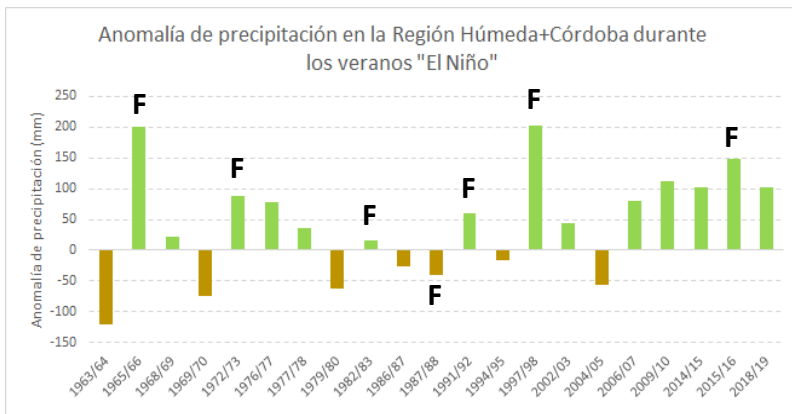
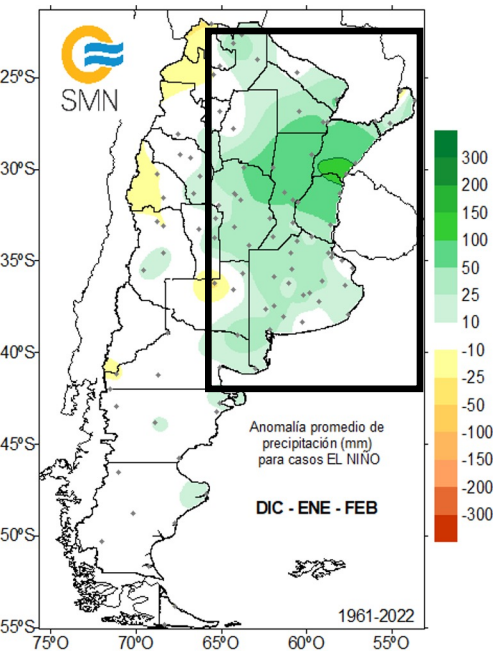


Figura 1: Porcentaje de casos con precipitación superior a la normal (izquierda) y anomalía promedio (derecha) asociados a eventos "El Niño" para el trimestre septiembre-noviembre.

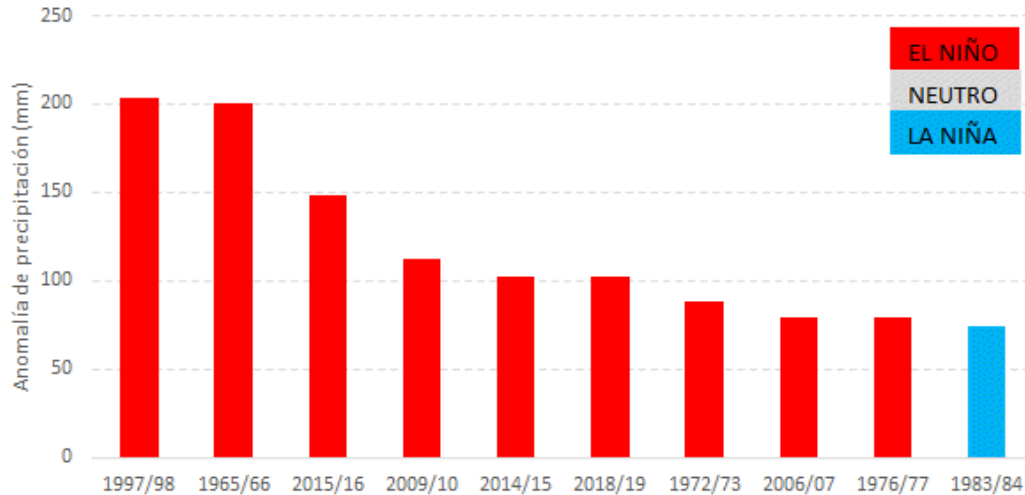
¿Qué impacto puede tener la intensidad de un evento NIÑO en verano?



Un NIÑO fuerte puede tener mayor impacto en las lluvias de verano en las provincias de esta región.

VERANO

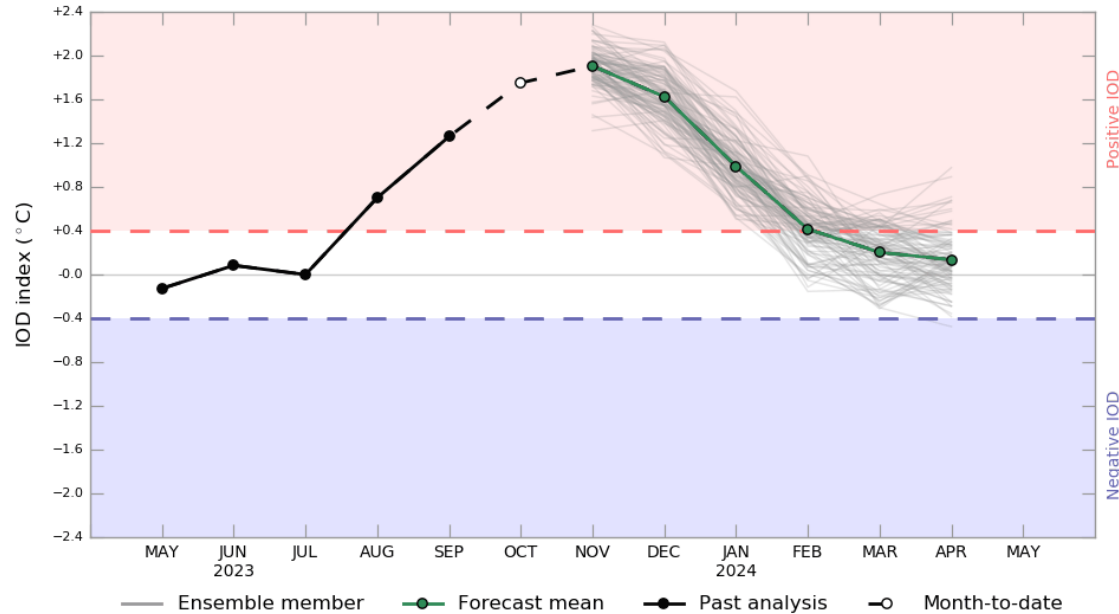
Veranos más lluviosos en la Región Húmeda + Córdoba



- De los **10 veranos más lluviosos** en esta región, en promedio, **9** fueron bajo condiciones de **EL NIÑO**, de los cuales **4** fueron **FUERTES**, **4** **DÉBILES** y sólo **1** **MODERADO**.
- Además los 3 veranos más lluviosos se dieron bajo condiciones **FUERTES** de El Niño.

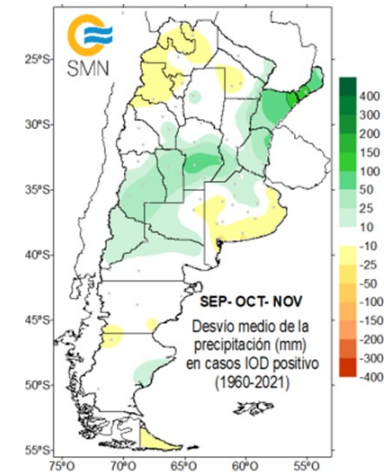
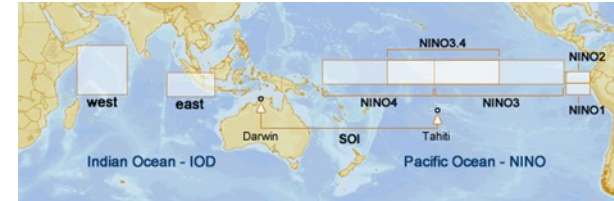
Dipolo del océano Indico

Monthly sea surface temperature anomalies for IOD region



www.bom.gov.au/climate
Commonwealth of Australia 2023, Australian Bureau of Meteorology

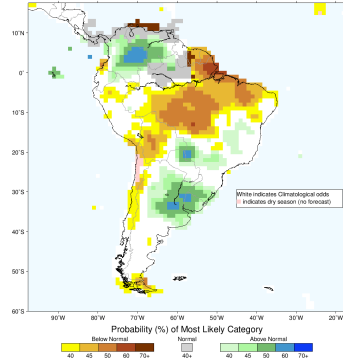
Model run: 21 Oct 2023
Model: ACCESS-S2
Base period 1981-2018



Pronóstico de precipitación globales y regionales para DEF 23/24

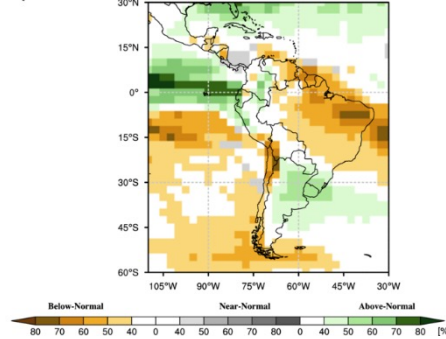
PP

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



Probabilistic Multi-Model Ensemble Forecast
Beijing,CMCC,CPTCC,ECMWF,Exeter,Melbourne,Montréal,Offenbach,Seoul,Tokyo,Toulouse,Washington

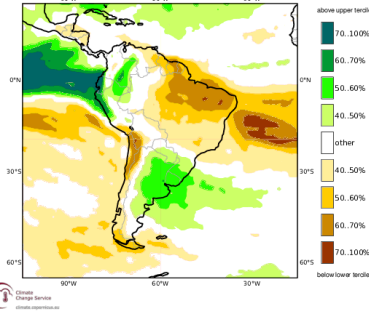
Precipitation : DJF2023



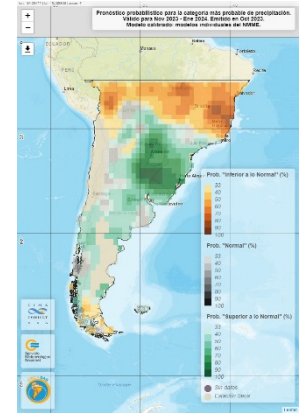
(issued on Oct2023)



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

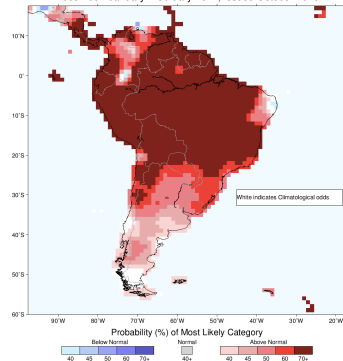


DJF 2023/24



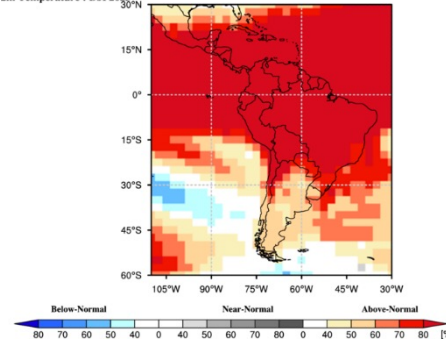
Tmed

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



Probabilistic Multi-Model Ensemble Forecast
Beijing,CMCC,CPTCC,ECMWF,Exeter,Melbourne,Montréal,Offenbach,Seoul,Tokyo,Toulouse,Washington

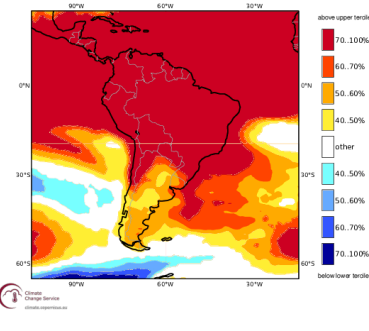
2m Temperature : DJF2023



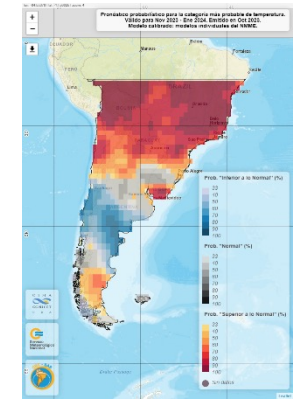
(issued on Oct2023)



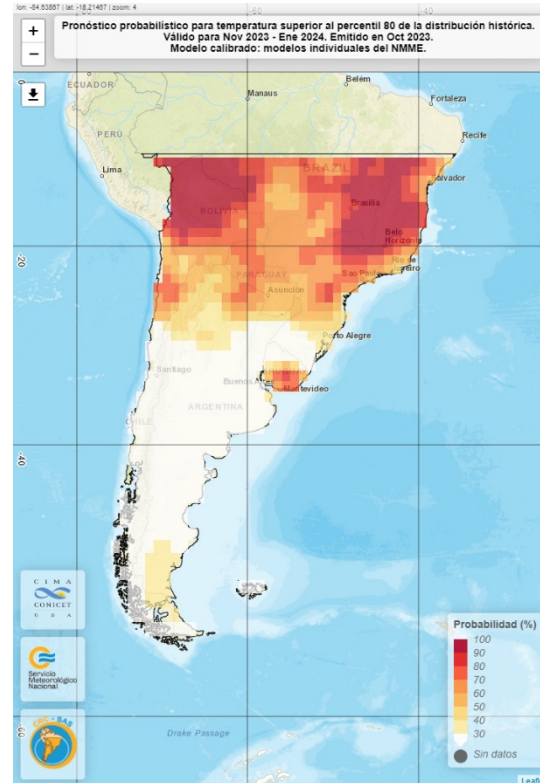
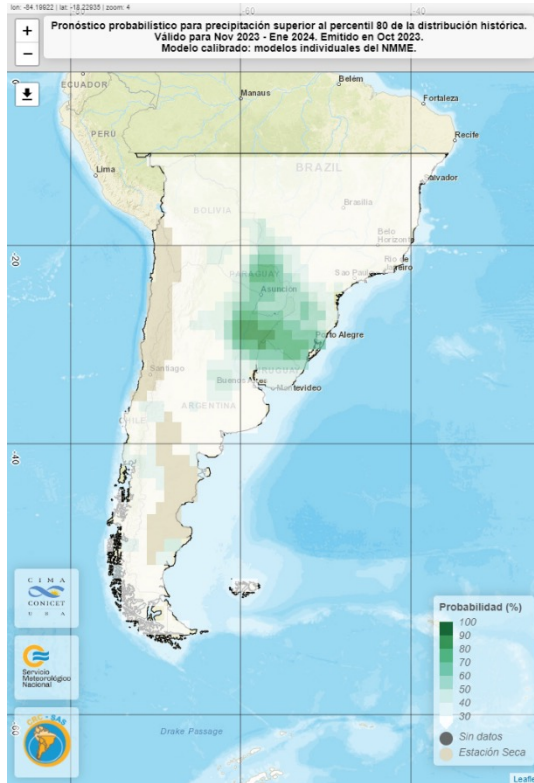
C3S multi-system seasonal forecast
Prob(most likely category of 2m temperature)
Normal forecast start: 01/10/23
Unweighted mean



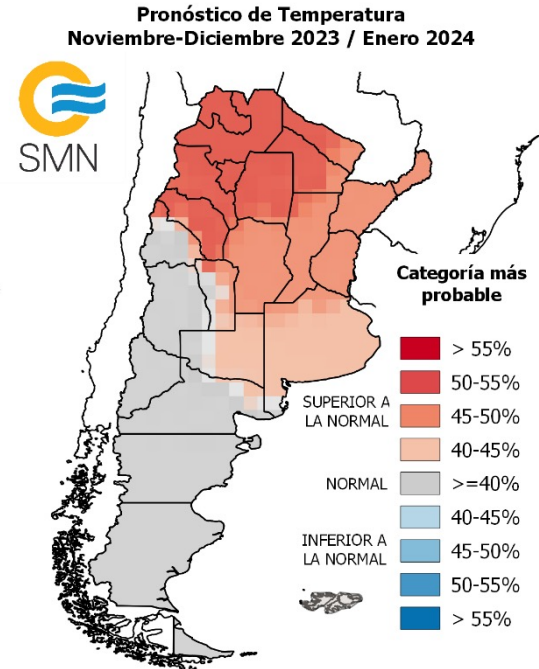
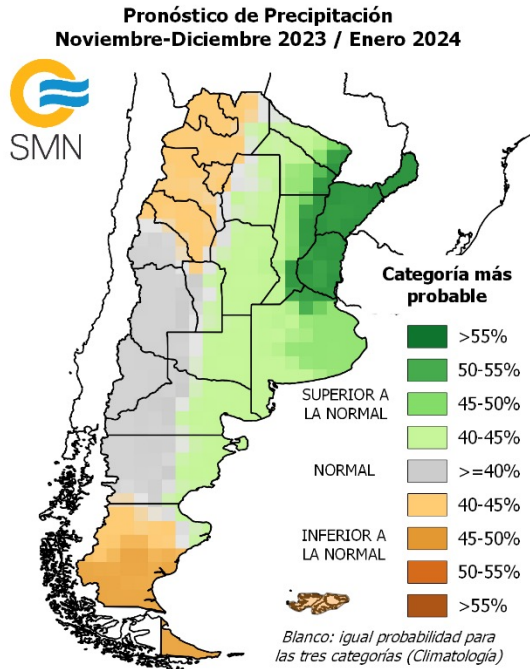
DJF 2023/24



Probabilidad de condiciones extremadamente húmedas / cálidas



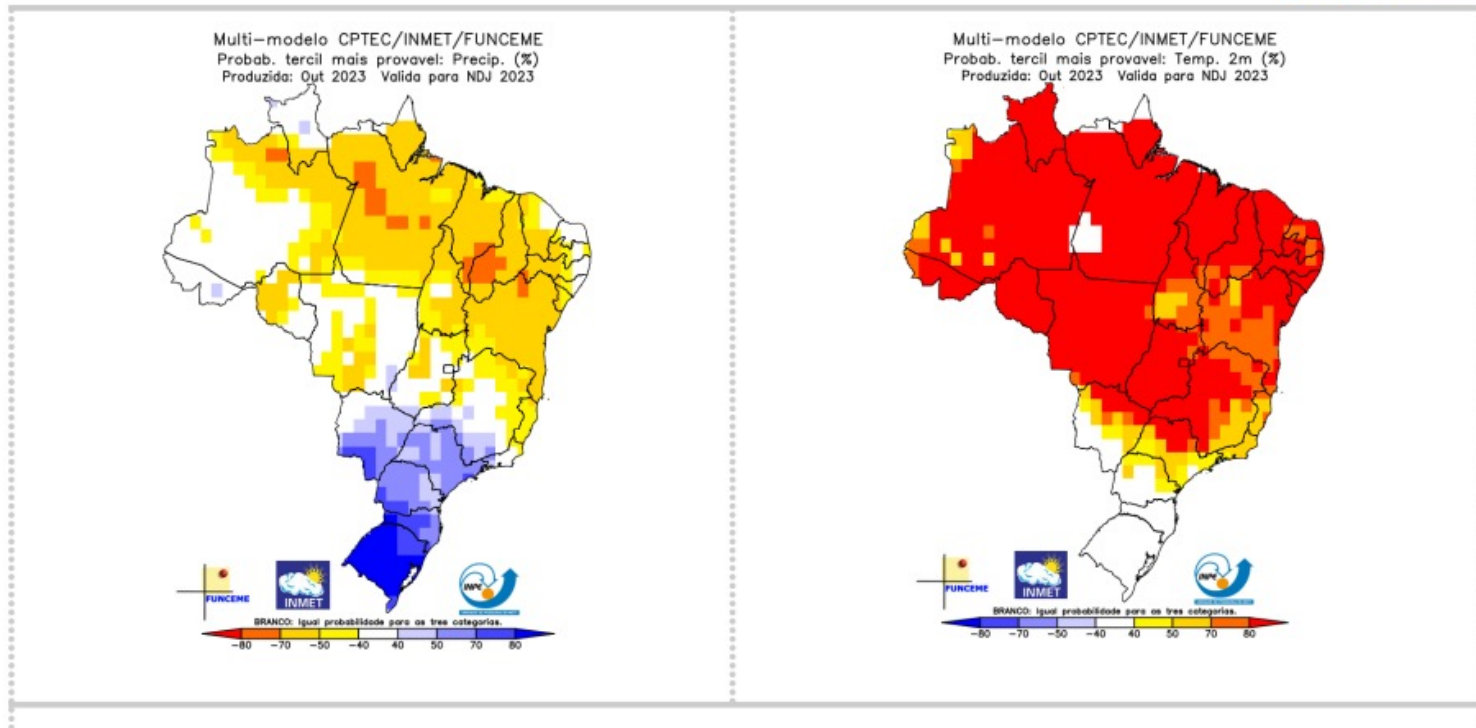
PRONÓSTICO CLIMÁTICO TRIMESTRAL (Noviembre-Diciembre 2023-Enero 2024)



Informe completo: <https://www.smn.gov.ar/pronostico-trimestral>

PRONÓSTICO CLIMÁTICO TRIMESTRAL (Noviembre-Diciembre 2023-Enero 2024)

SECRETARÍA DE ASESORIA Y DESARROLLO



PRONÓSTICO CLIMÁTICO TRIMESTRAL (Noviembre-Diciembre 2023-Enero 2024)



Pronóstico de Precipitación

Se prevén acumulados de lluvia superiores a la normal en la Región Oriental y el Bajo Chaco, para el trimestre considerado.

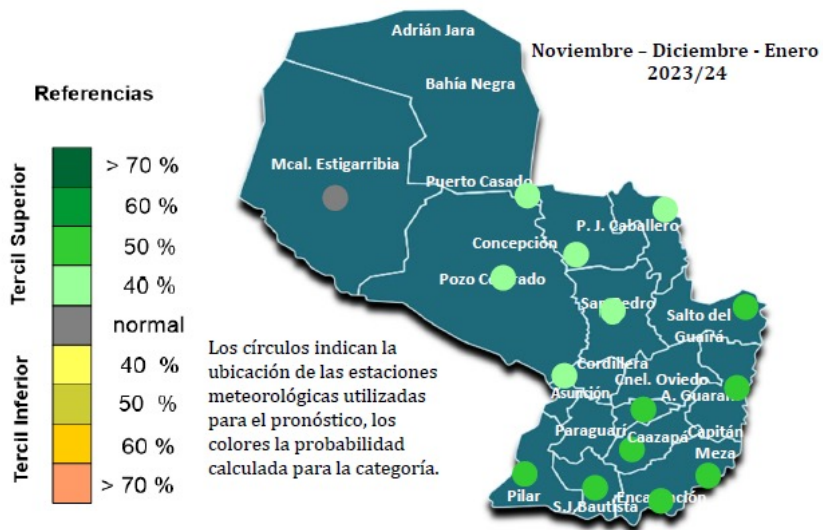


Figura 4. Pronóstico de Precipitación trimestre NDE 23/24.



Pronóstico de Temperatura media

Para el trimestre considerado, se prevén valores superiores a la normal en gran parte del país.

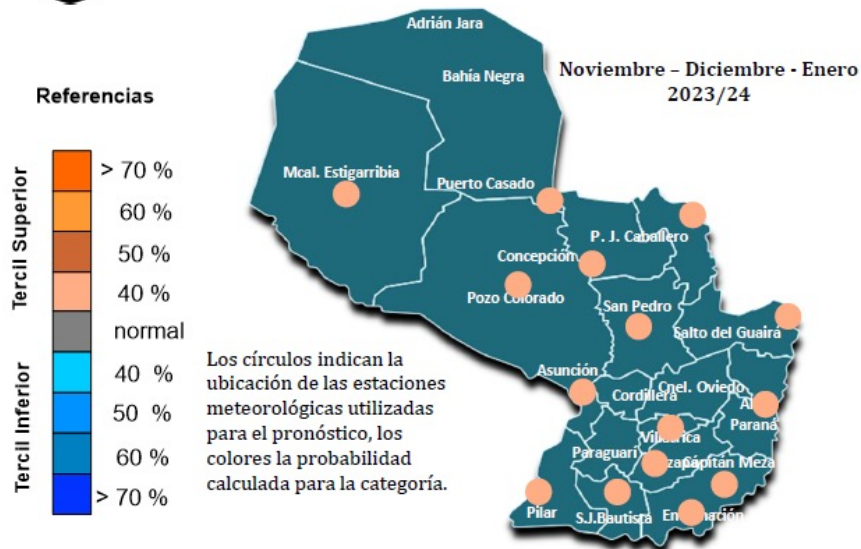
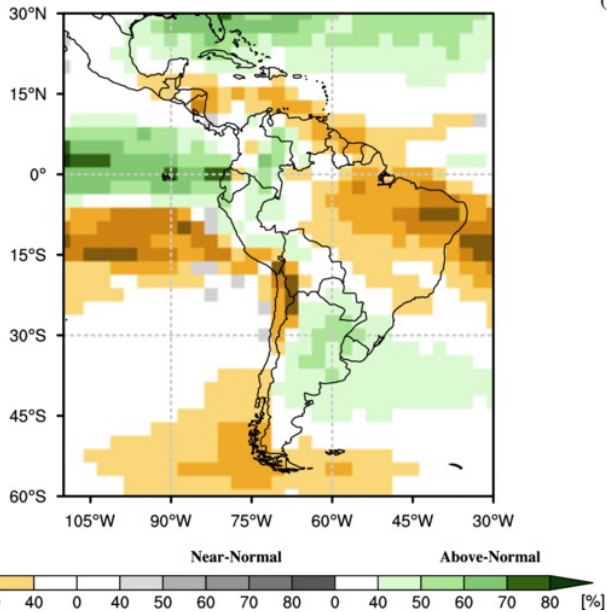


Figura 5. Pronóstico de Temperatura media trimestre NDE 2023/24.

Probabilistic Multi-Model Ensemble Forecast

Beijing,CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Offenbach,Seoul,Tokyo,Toulouse,Washington

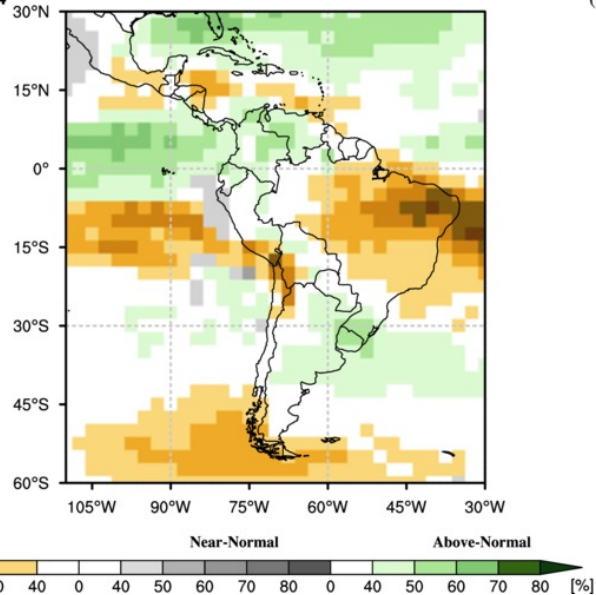
Precipitation : JFM2024

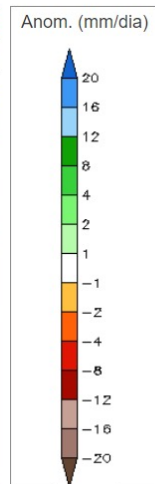
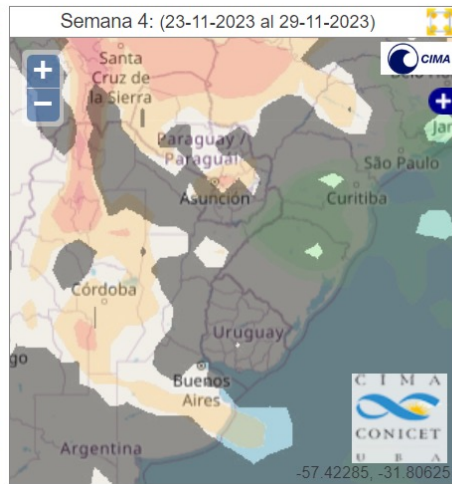
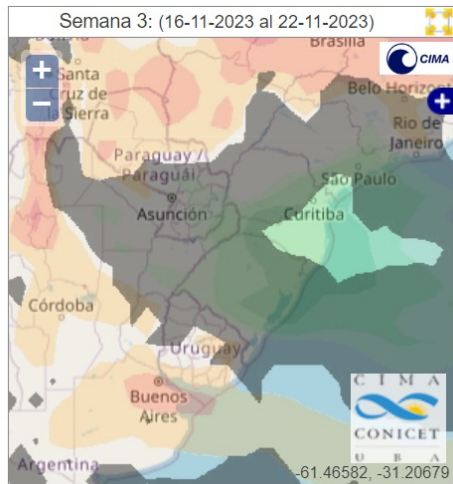
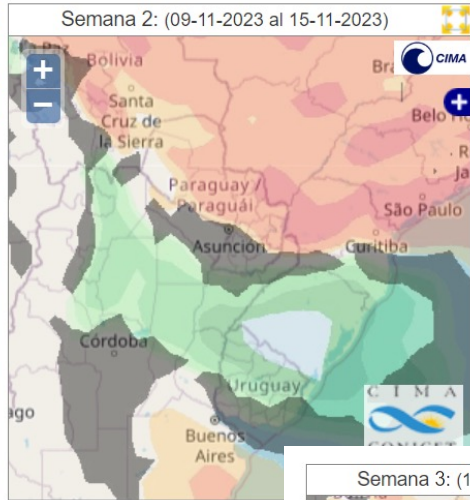
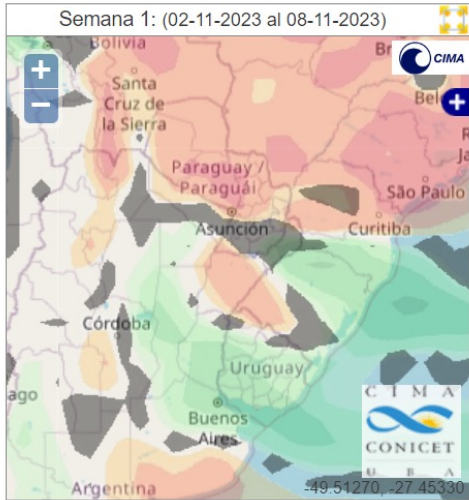


Multi-Model Ensemble Forecast

Seoul,Tokyo,Washington

(issued on Oct2023) FMA2024

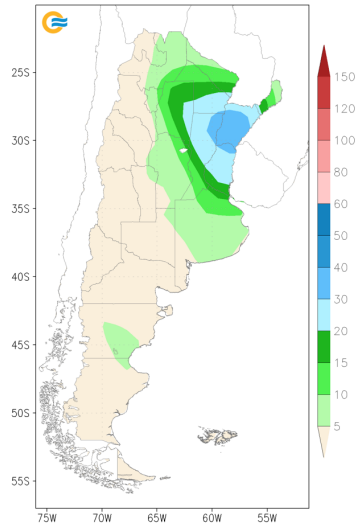




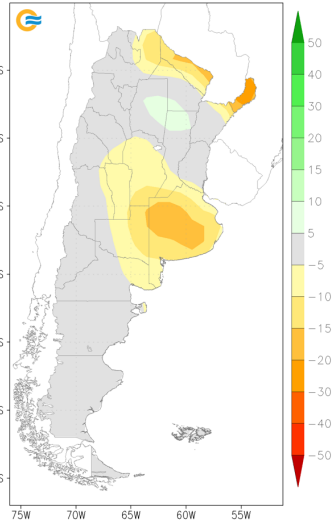
Pronóstico semanal

Precipitación (mm) y anomalía

Pronóstico de precipitación acumulada
Semana 1: del 02 de nov. al 08 de nov. de 2023

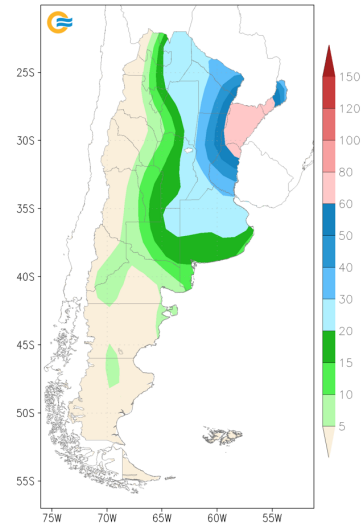


Pronóstico de anomalía de precipitación
Semana 1: del 02 de nov. al 08 de nov. de 2023

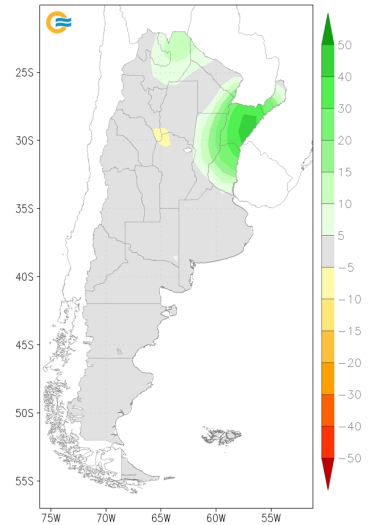


Precipitación (mm) y anomalía

Pronóstico de precipitación acumulada
Semana 2: del 09 de nov. al 15 de nov. de 2023



Pronóstico de anomalía de precipitación
Semana 2: del 09 de nov. al 15 de nov. de 2023



- <https://subsazonal.cptec.inpe.br/>



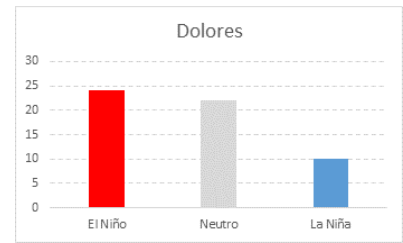
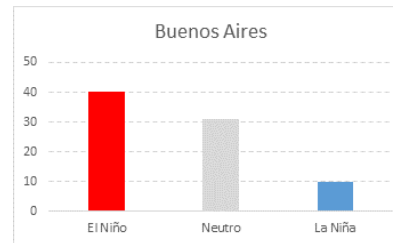
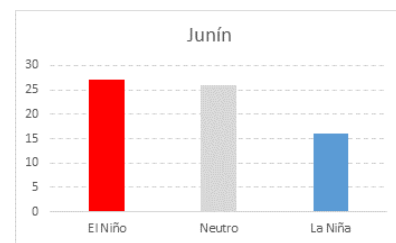
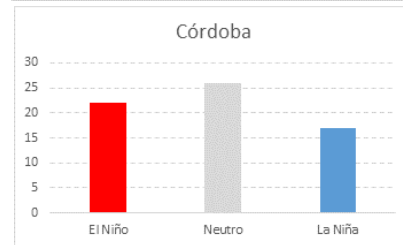
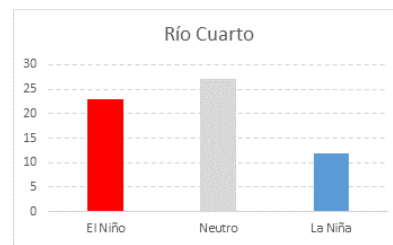
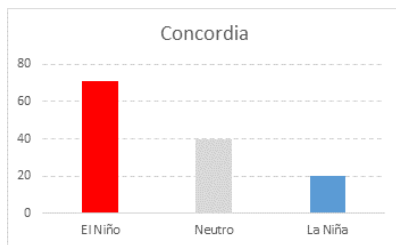
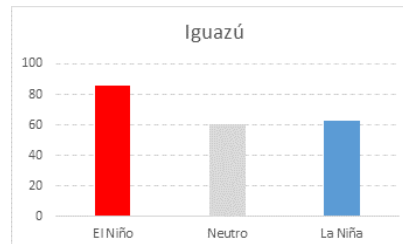
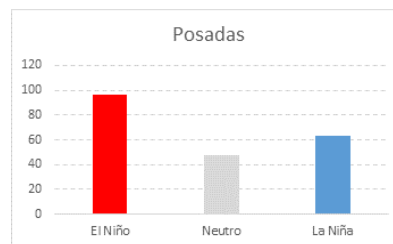
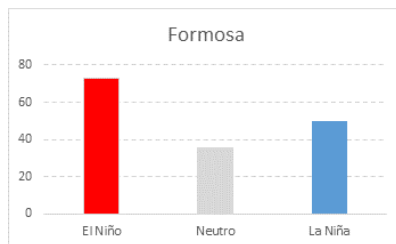
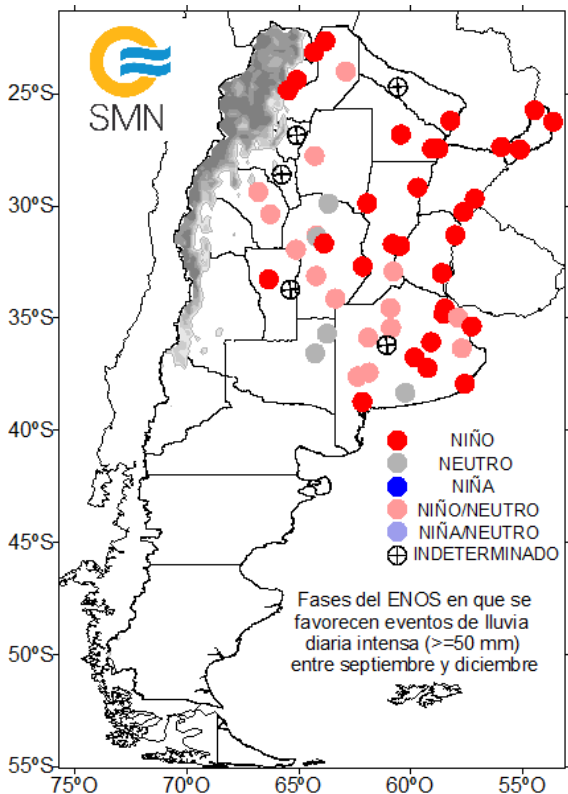
Ministerio de Defensa
Argentina

Dorrego 4019 (C1425GBE) Buenos Aires . Argentina
Tel: (+54 11) 5167-6767. smn@smn.gob.ar

www.smn.gob.ar



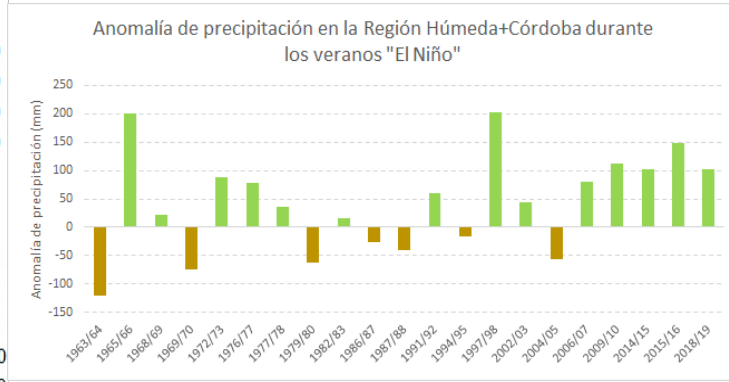
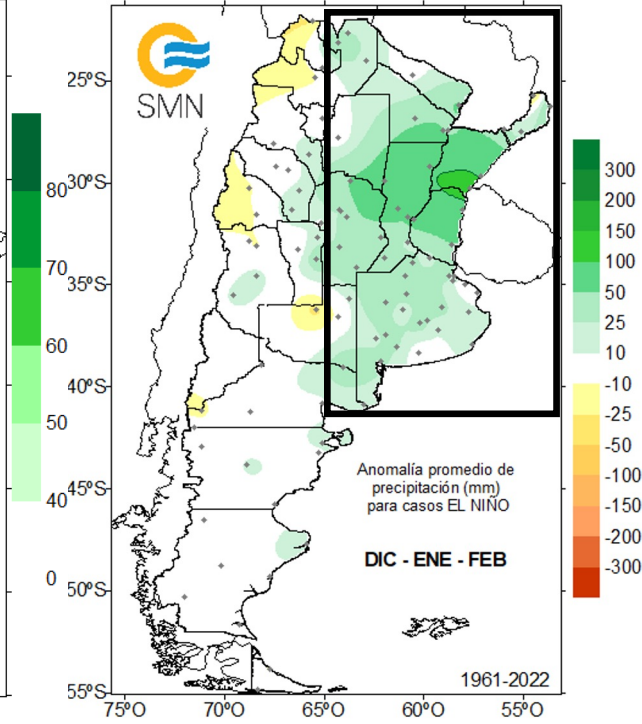
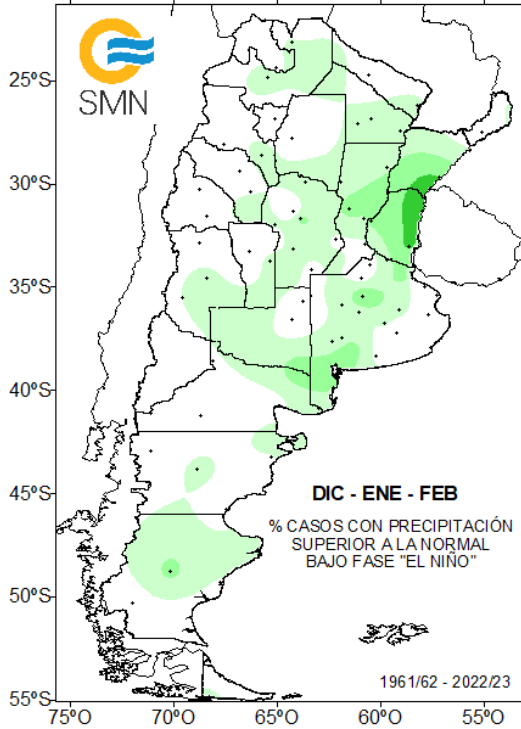
¿Los eventos más intensos de lluvia se favorecen bajo la fase de El Niño?



La frecuencia de lluvias diarias intensas se ven más favorecidas bajo condiciones de El Niño en las localidades señaladas en rojo.

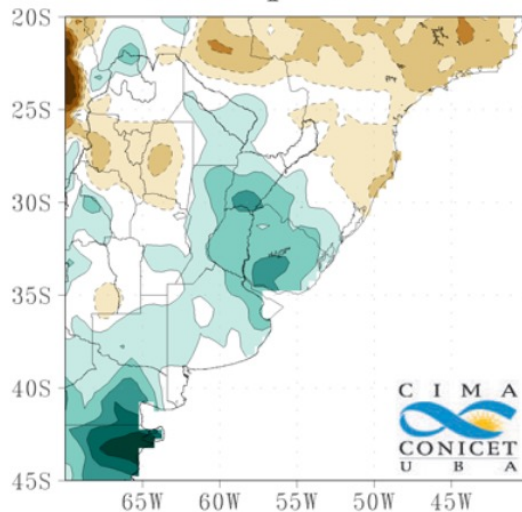
El Niño en

VERANO

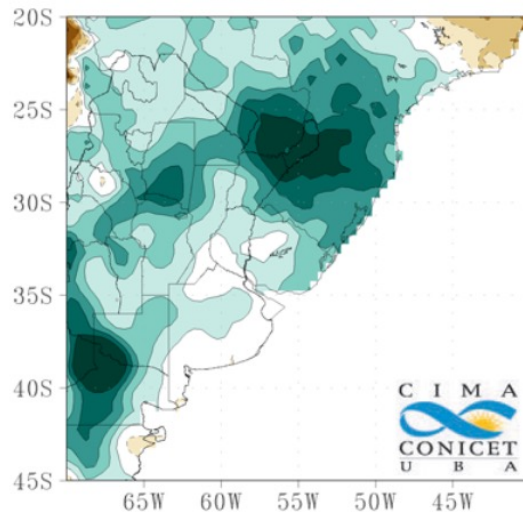


Fase del SIS: **positiva** - Estacion del Año: **SON**

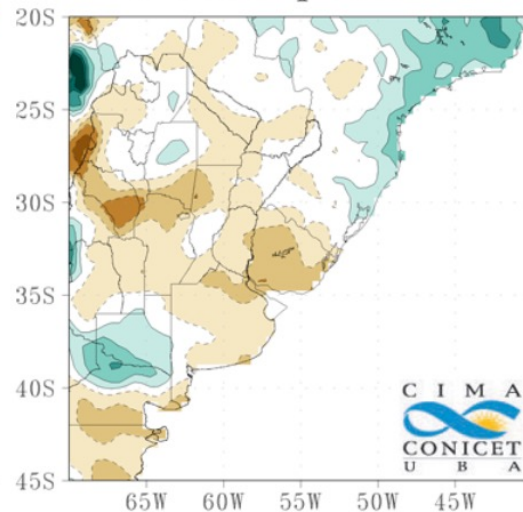
Transicion hacia
fase positiva

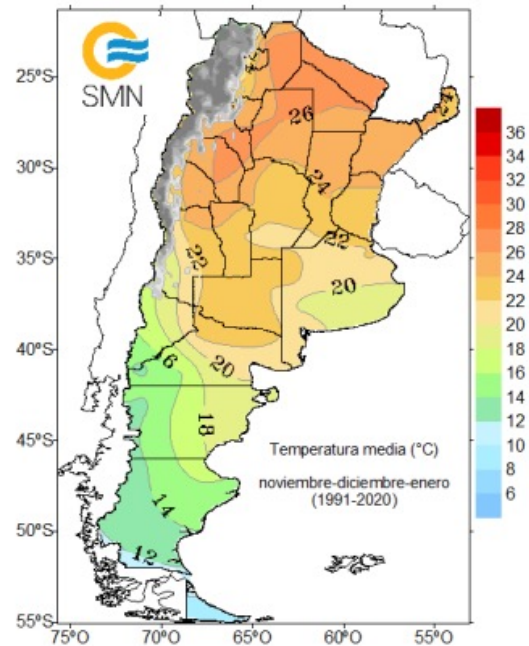
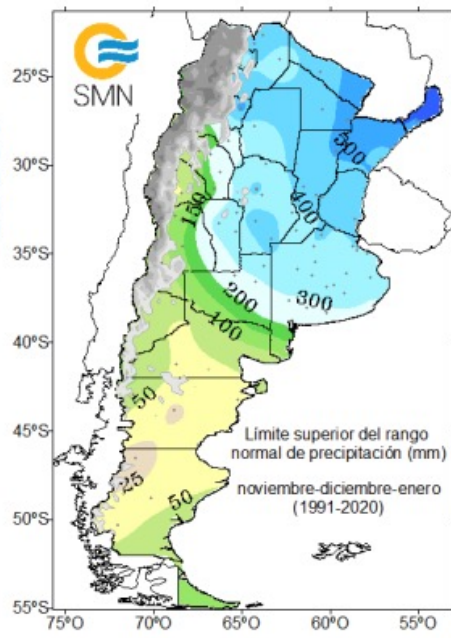
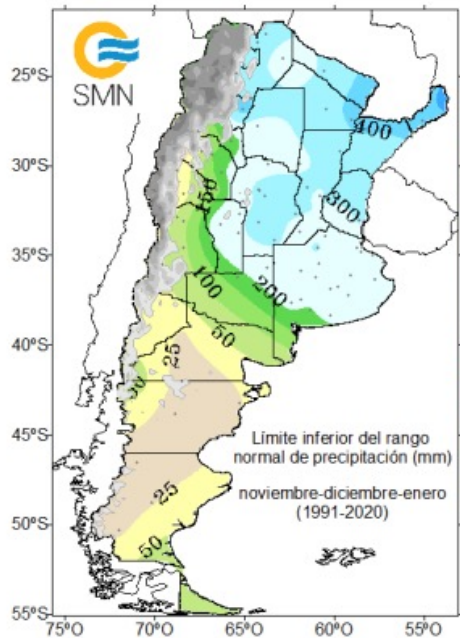


Fase positiva
madura

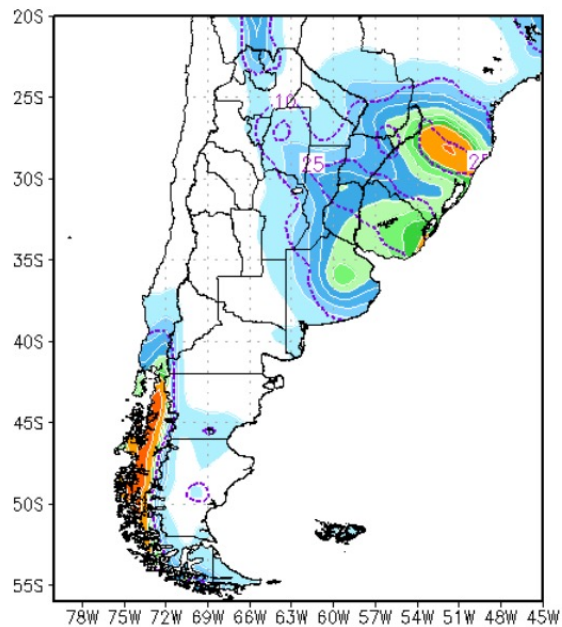


Transicion posterior
a fase positiva



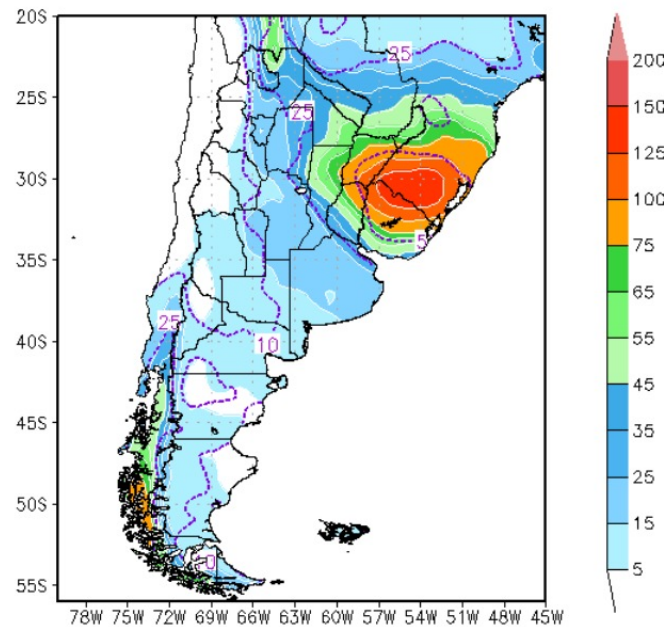


Semana 1: 12Z del 02 de nov
a 12Z del 09 de nov



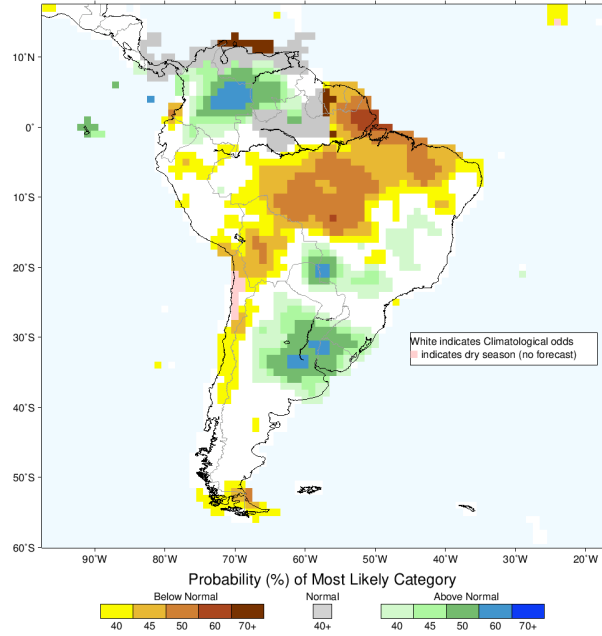
Inicializado a las 00Z del 02/11/2023

Semana 2: 12Z del 09 de nov
a 12Z del 16 de nov

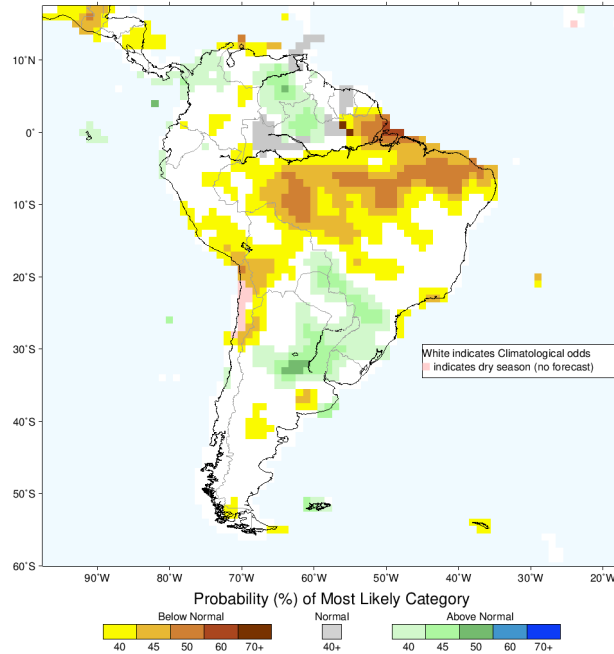


Precip. acumulada media del ensamble (mm, somb.) – promedio 21 miembros

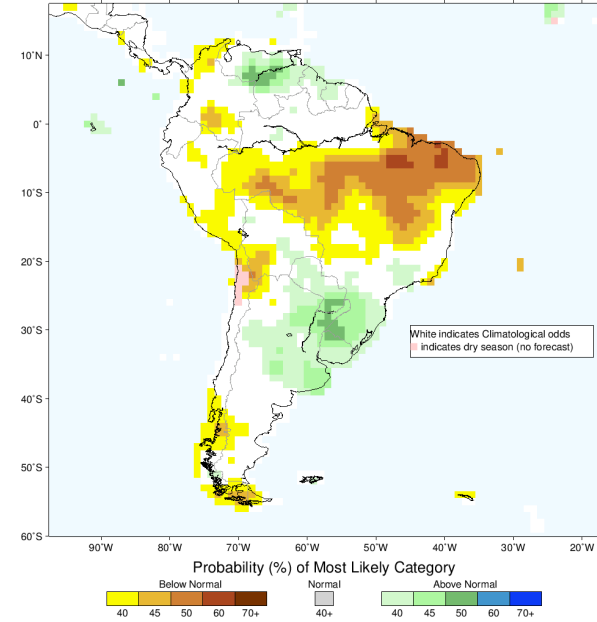
IRI Multi-Model Probability Forecast for Precipitation for December–January–February 2024, Issued October 2023



IRI Multi-Model Probability Forecast for Precipitation for January–February–March 2024, Issued October 2023



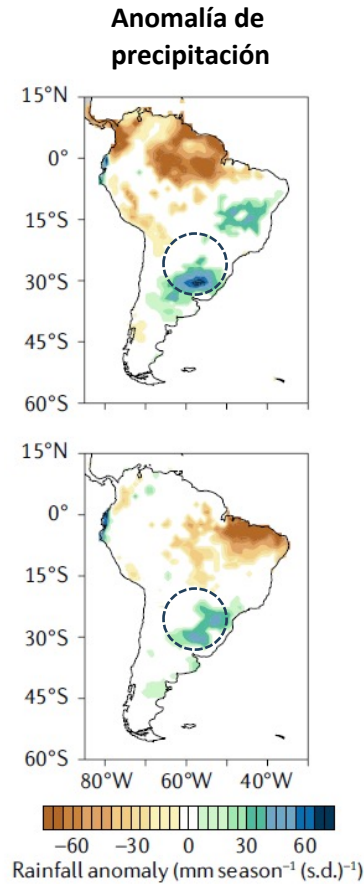
IRI Multi-Model Probability Forecast for Precipitation for February–March–April 2024, Issued October 2023



Como puede afectar “El Niño” en el resto del año

Verano

Otoño



Fuente: Cai y otros 2020