



# Cambio climático observado y proyectado en la región de Cuyo

Juan Rivera



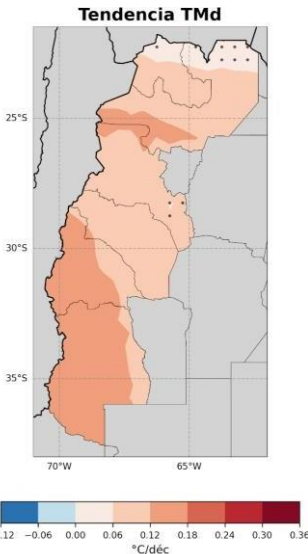
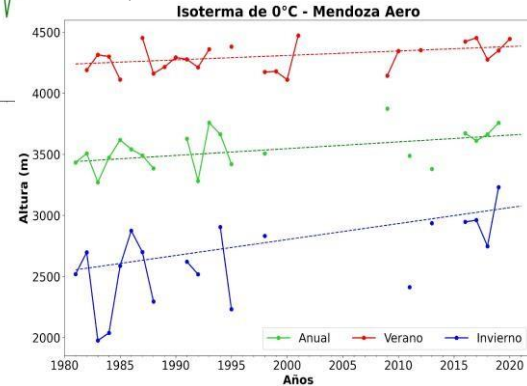
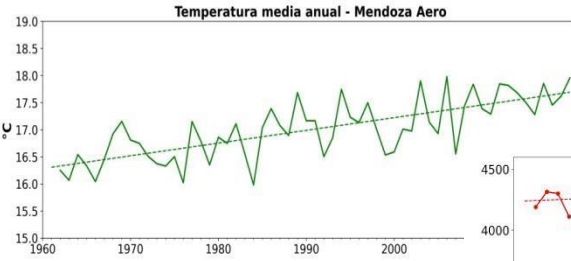
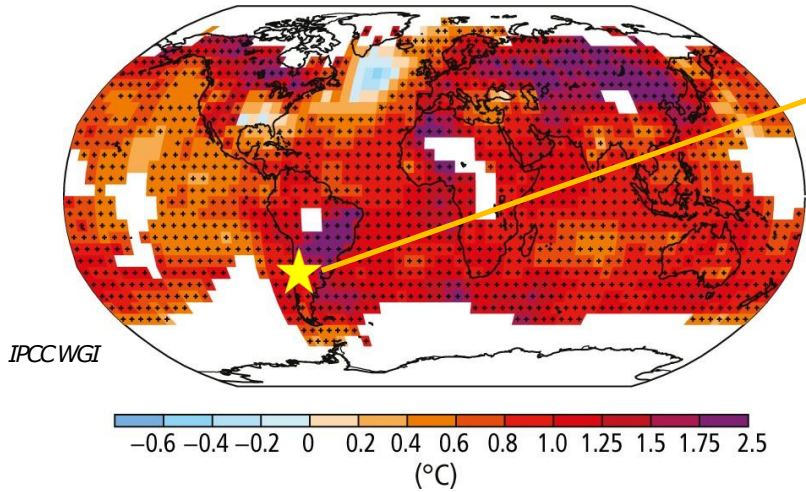
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Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA)

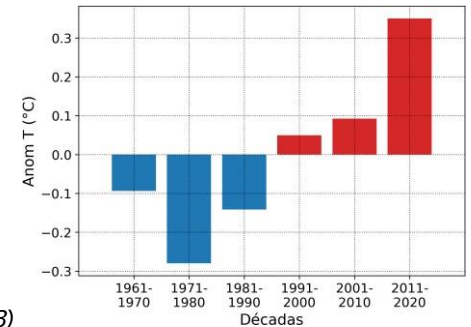
CCT CONICET Mendoza

# Cambios observados en la temperatura

## Cambios temperatura media global



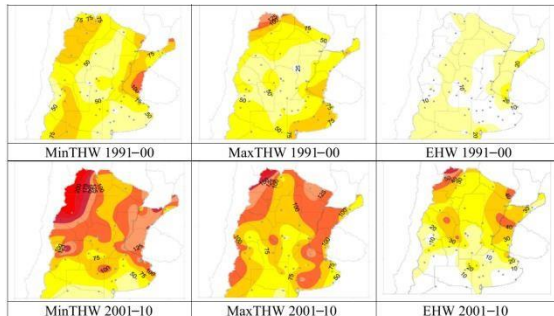
## Temperatura media decadal región andina



1991-2000

Cantidad de días con olas de calor

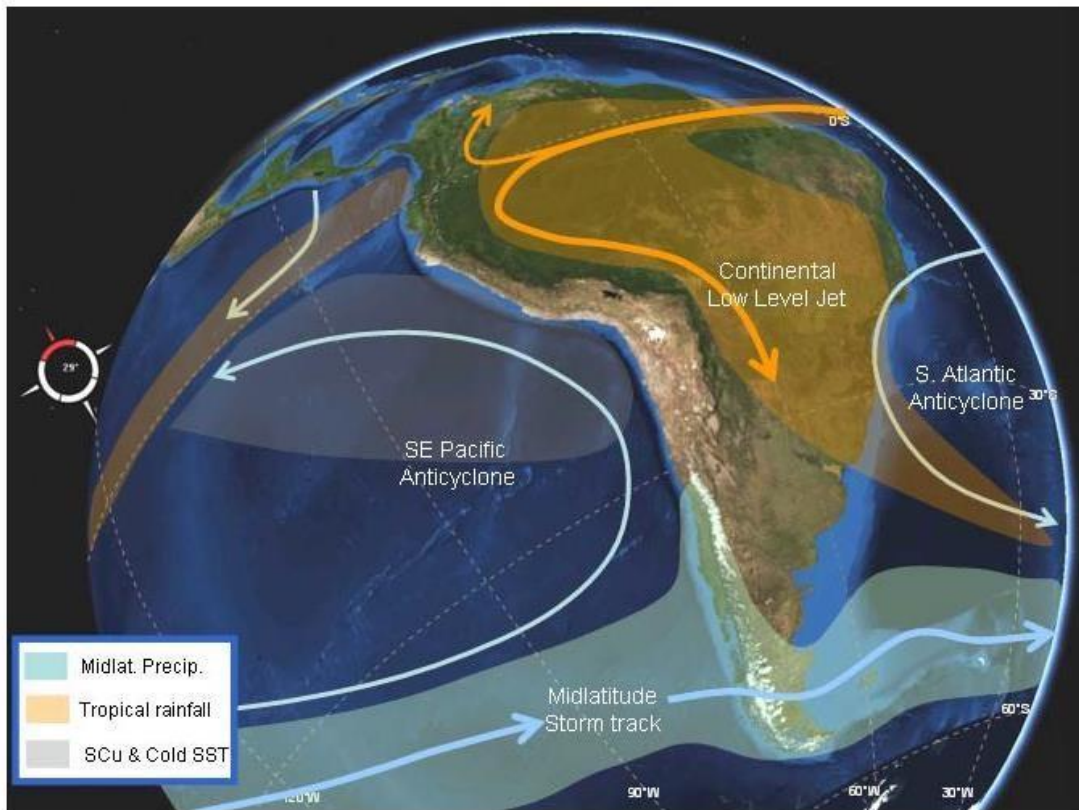
2001-2010



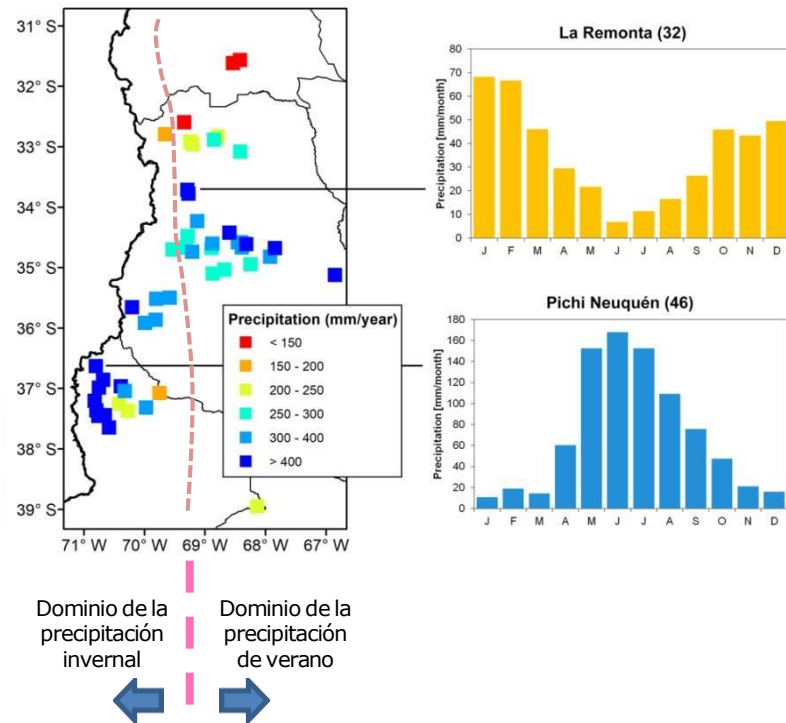
Rustiaucá y coautores (2015)

Camilloni y coautores (2023)

# Contexto regional



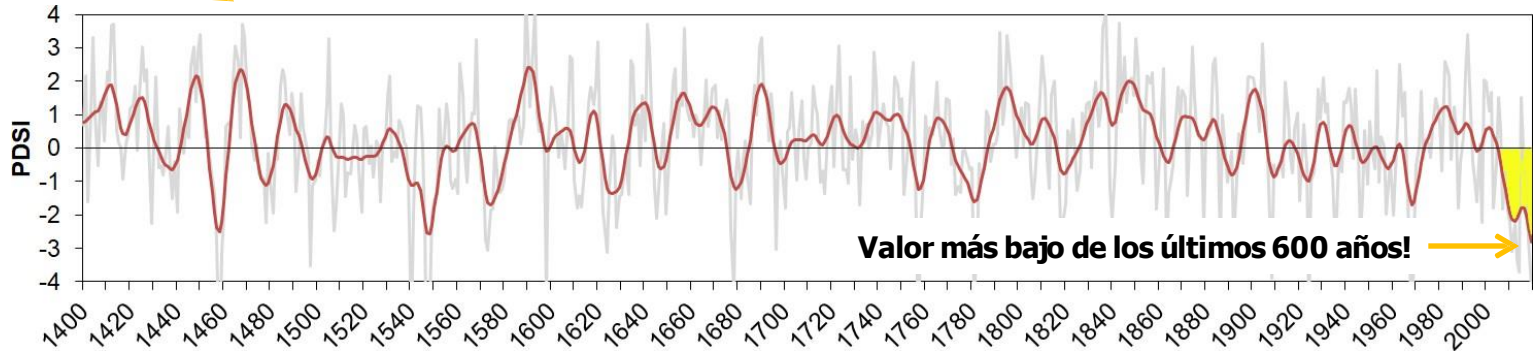
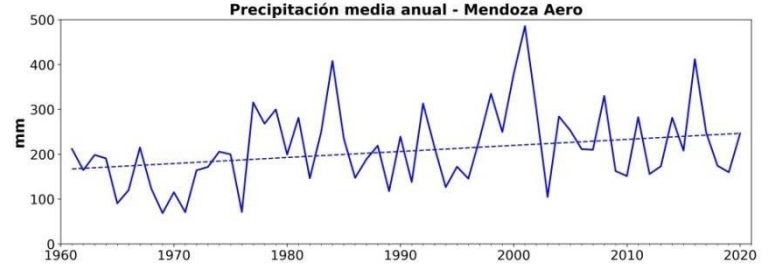
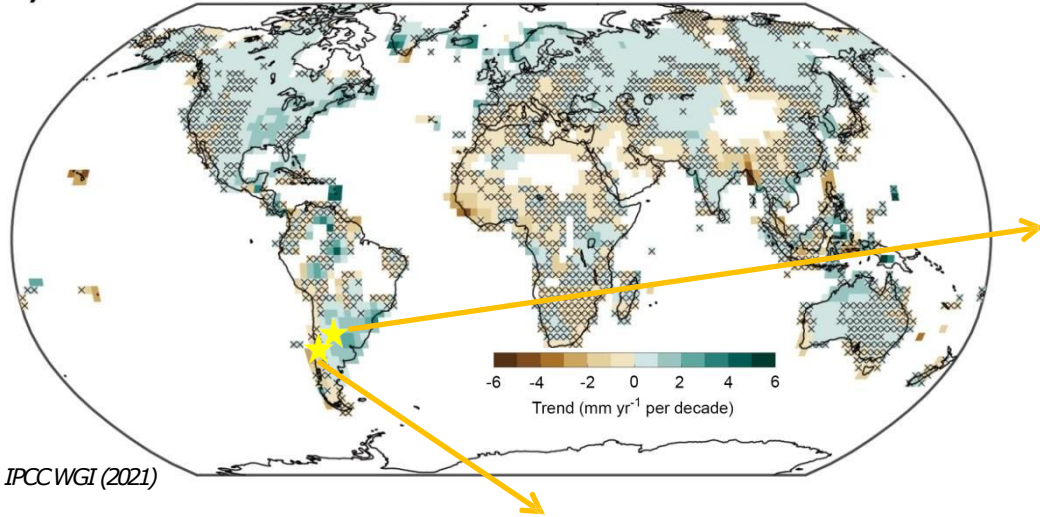
Garreaud (2009)



Rivera y coautores (2019)

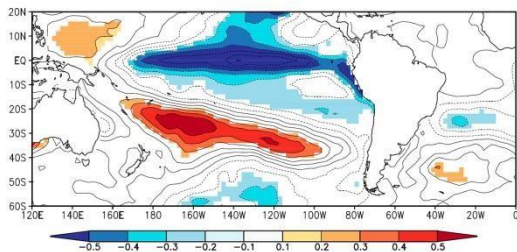
# Cambios observados en la precipitación

## Cambios precipitación global



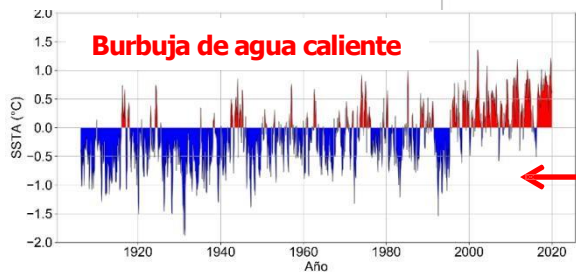
# ¿Quién tiene la culpa?

## Composición SST durante meses con sequía hidrológica

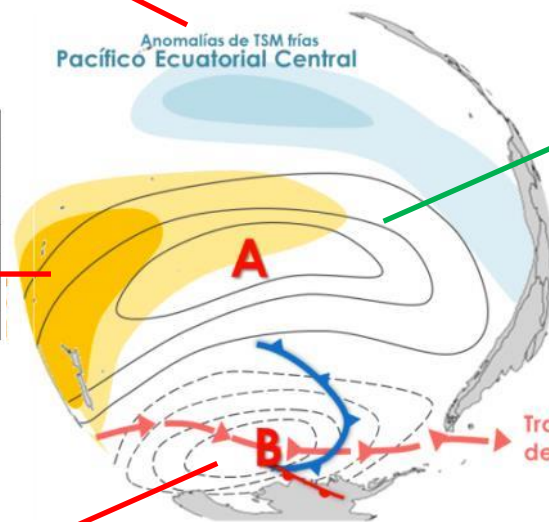


La Niña

Anomalías de TSM frías  
Pacífico Ecuatorial Central

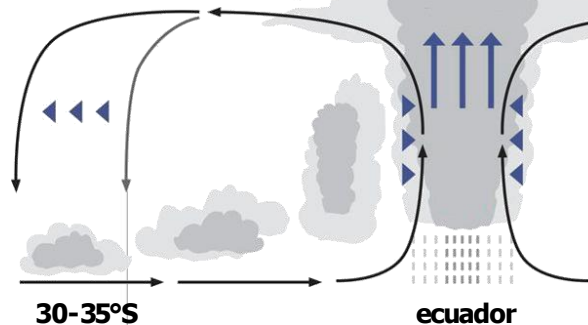


Burbuja de agua caliente



Circulación de Hadley

Zona de convergencia inter-tropical

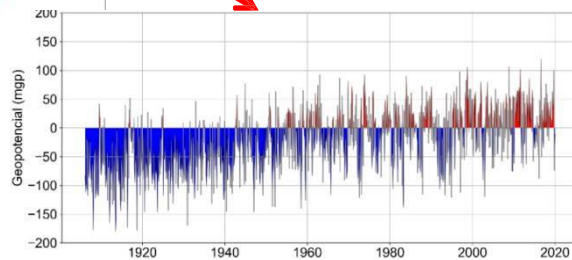


30-35°S

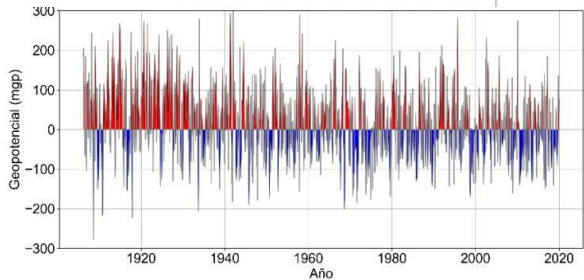
ecuador

Anticiclón más intenso

Altas presiones cada vez más altas



Bajas presiones cada vez más bajas

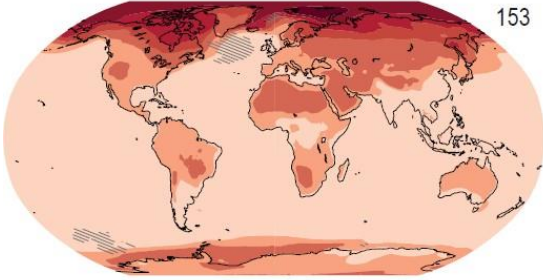


# Mirando hacia el futuro...

## Cambios proyectados en la temperatura

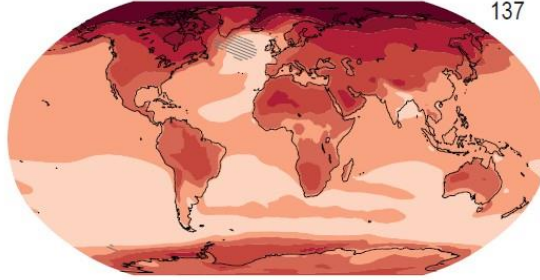
(a) Change at 1.5°C global warming

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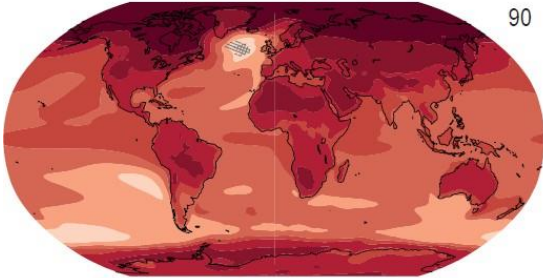
(b) Change at 2°C global warming

137



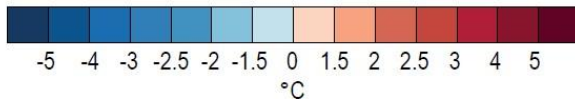
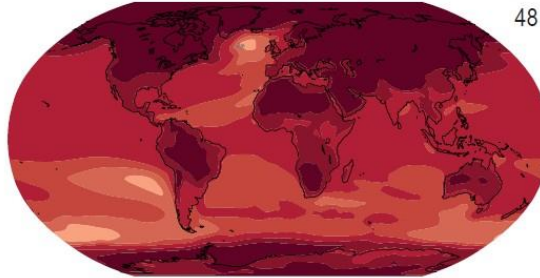
(c) Change at 3°C global warming

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(d) Change at 4°C global warming

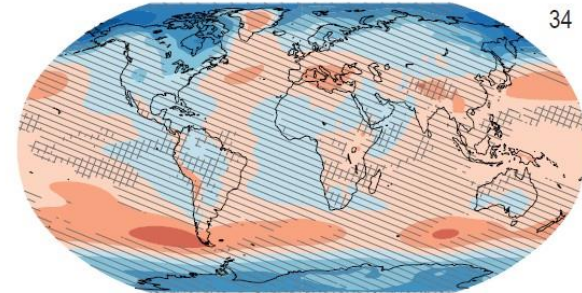
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## Cambios proyectados en la presión a nivel del mar

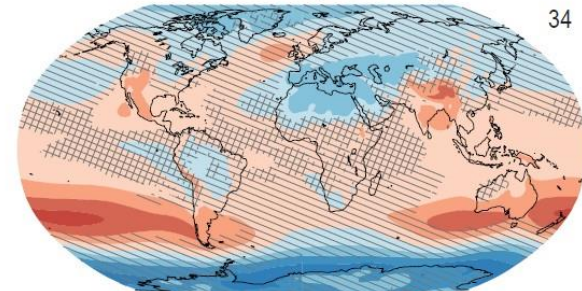
DJF SSP3-7.0 (2081–2100)

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JJA SSP3-7.0 (2081–2100)

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# Gracias



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NACIONAL DE CUYO



MENDOZA  
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