

# Precipitaciones

# 2023



@AntarcticaCL

Dr. Raúl R. Cordero  
Universidad de Santiago

2023



Megasequía



El Niño




Futuro Systems



Mayo 18, 2023

Laguna de Aculeo

A satellite image showing a large, irregularly shaped, light-colored body of water in the center, surrounded by a complex network of brown and green agricultural fields and some urban areas. The water body is labeled "Laguna de Aculeo". The surrounding land is divided into numerous small, rectangular plots, some of which are green, indicating active agriculture, while others are brown, suggesting fallow or dry fields. There are some small clusters of buildings and roads visible within the agricultural landscape.

<https://earthobservatory.nasa.gov/images/151836/water-returns-to-laguna-de-aculeo>

Sept. 7, 2023

Laguna de Aculeo

<https://earthobservatory.nasa.gov/images/151836/water-returns-to-laguna-de-aculeo>

# Chile

Inviernos (JJA) relativos a 1981-2010

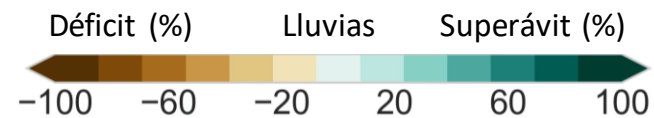
2021



2022

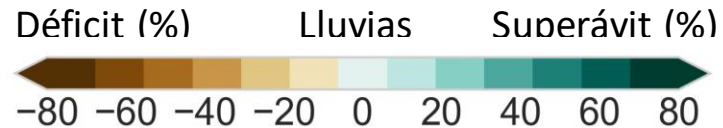
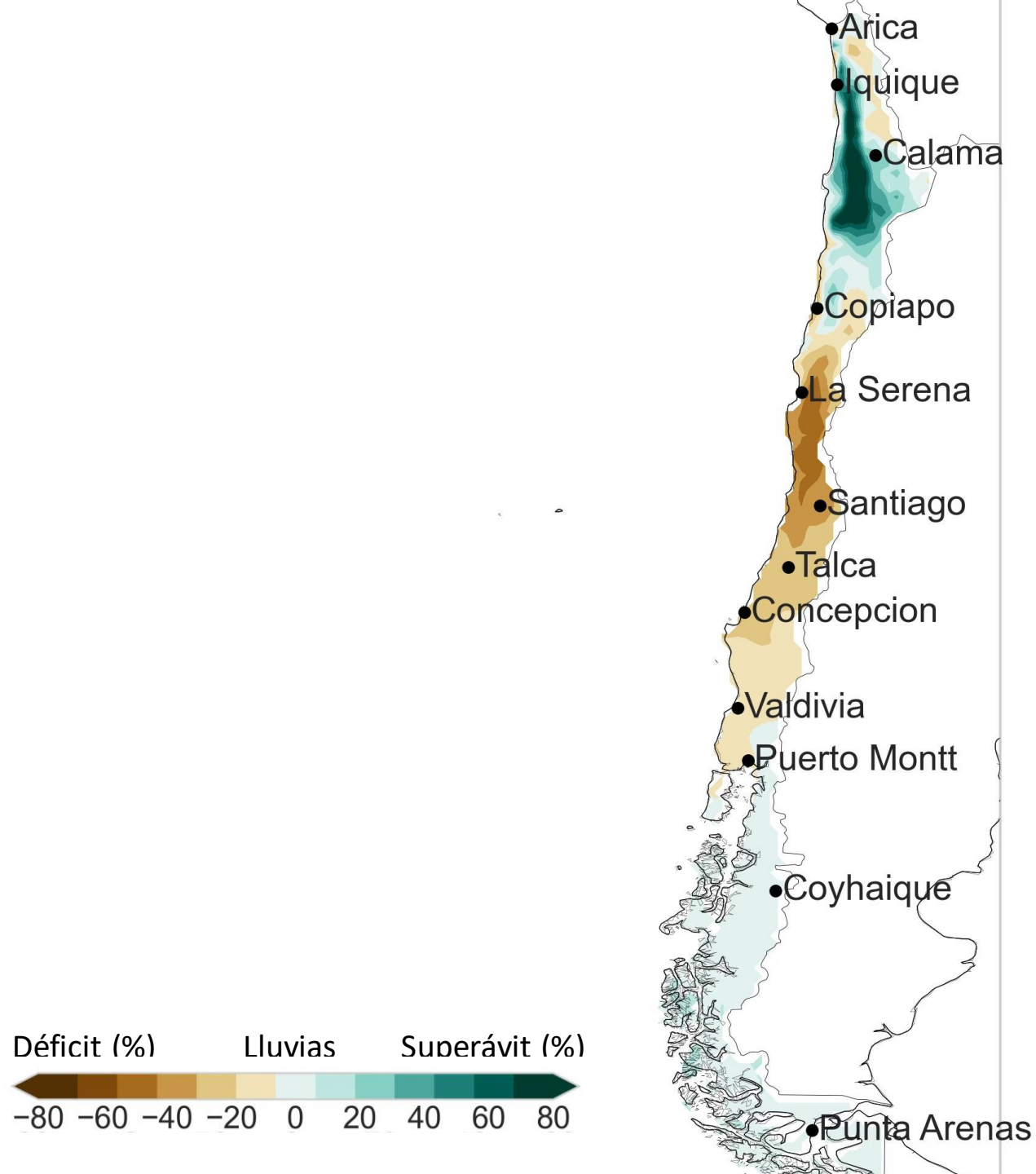


2023

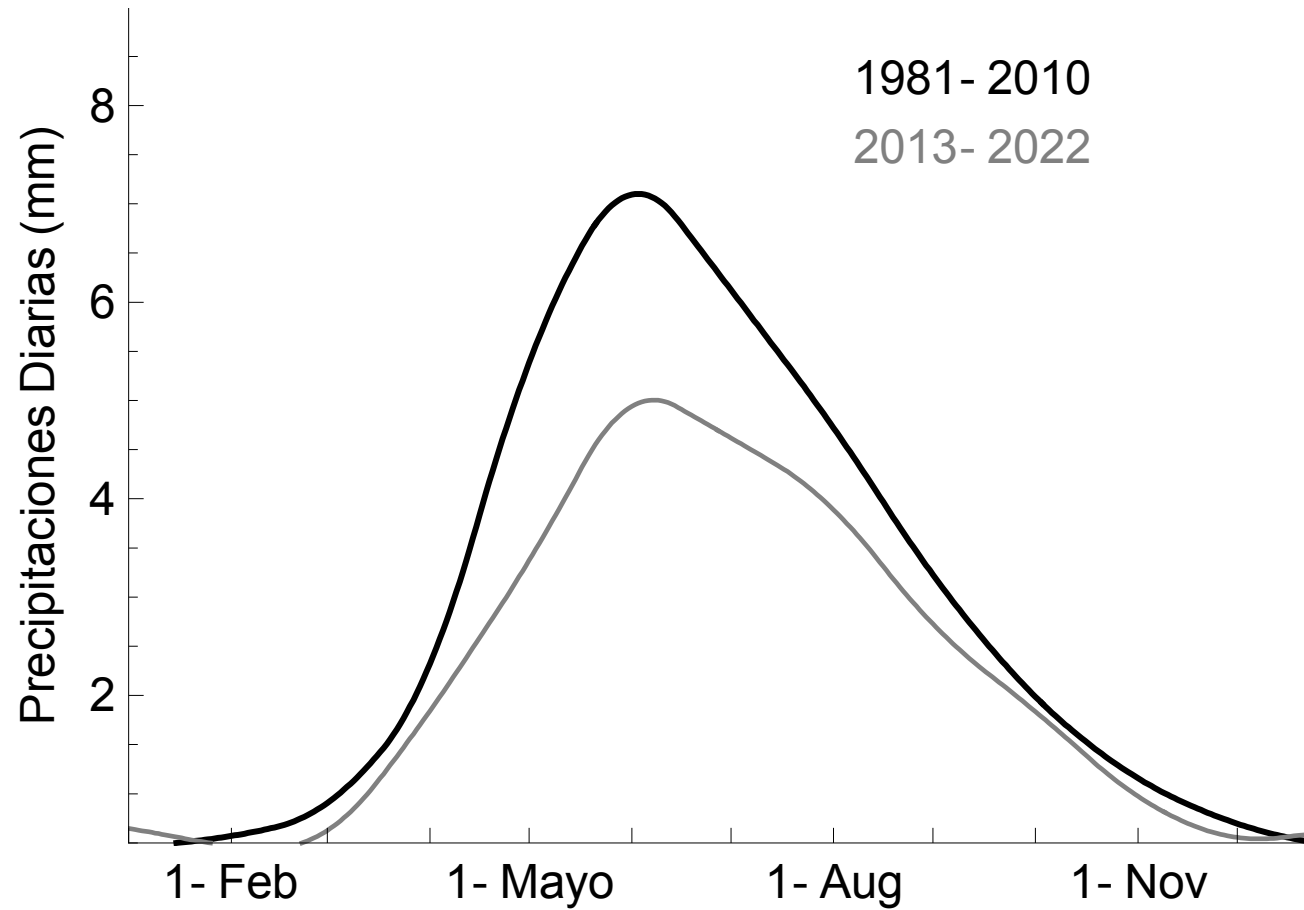


# Chile

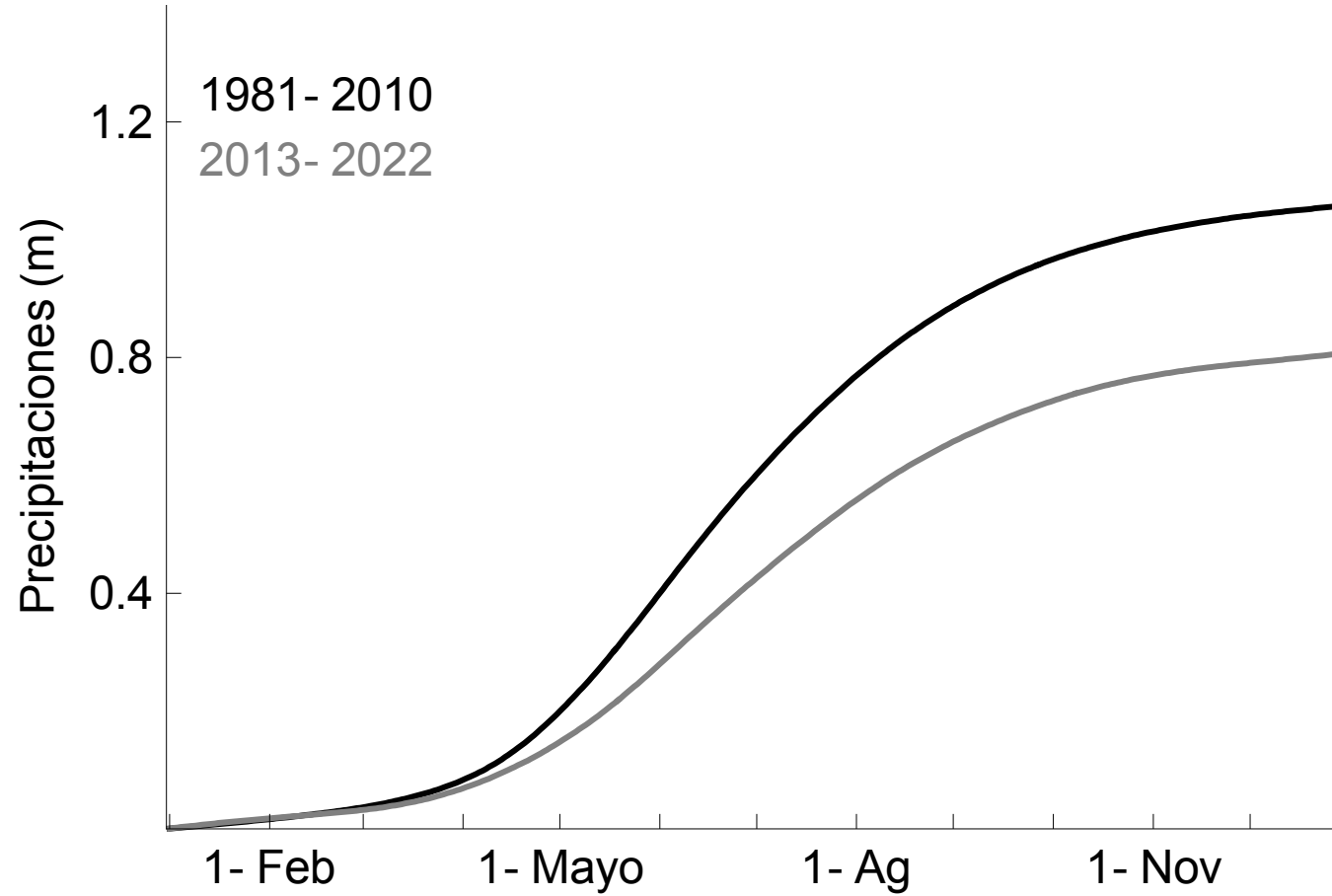
2013-2022 versus 1981-2010



# Chile Central (32-36°S)

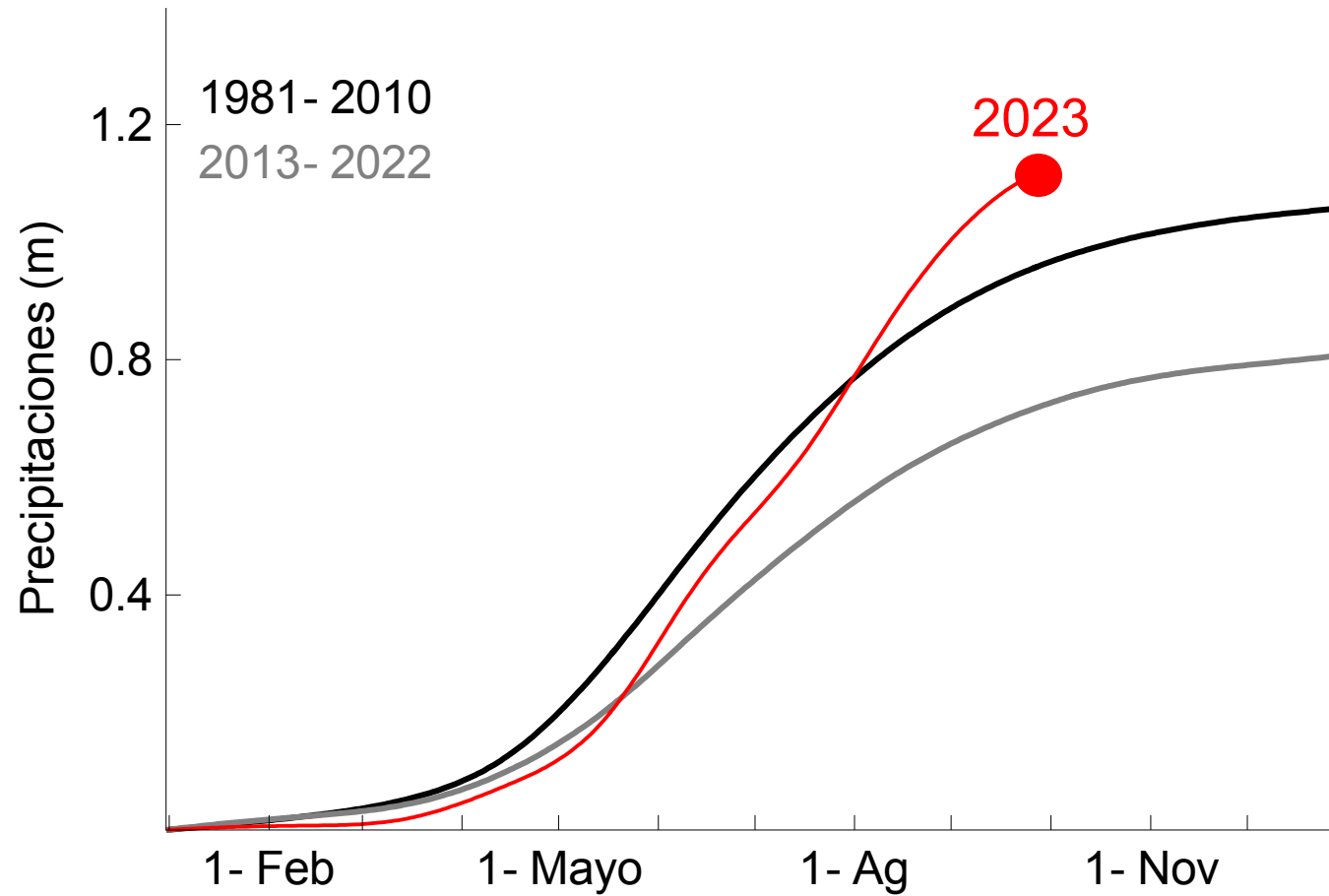


# Chile Central (32-36°S)

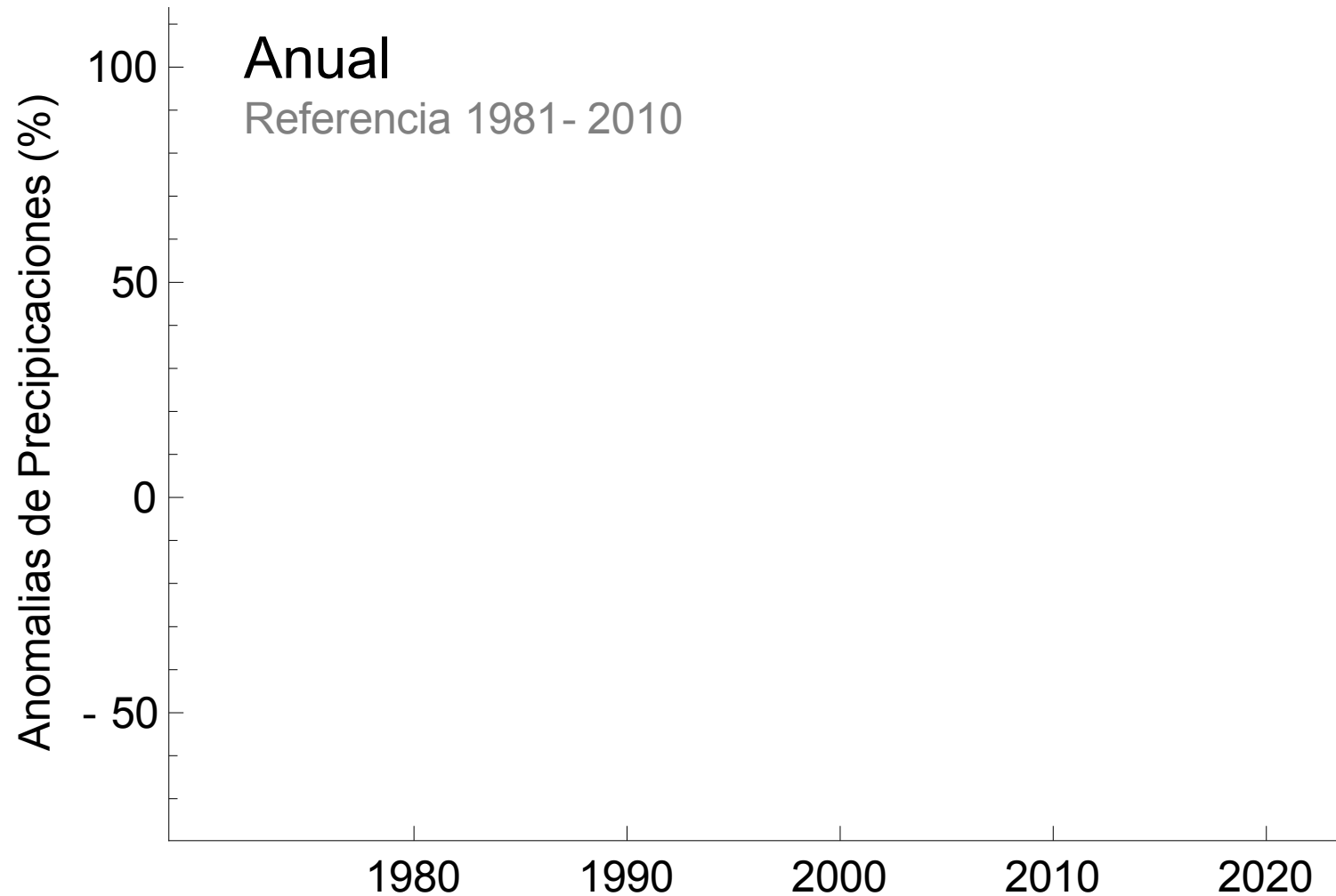




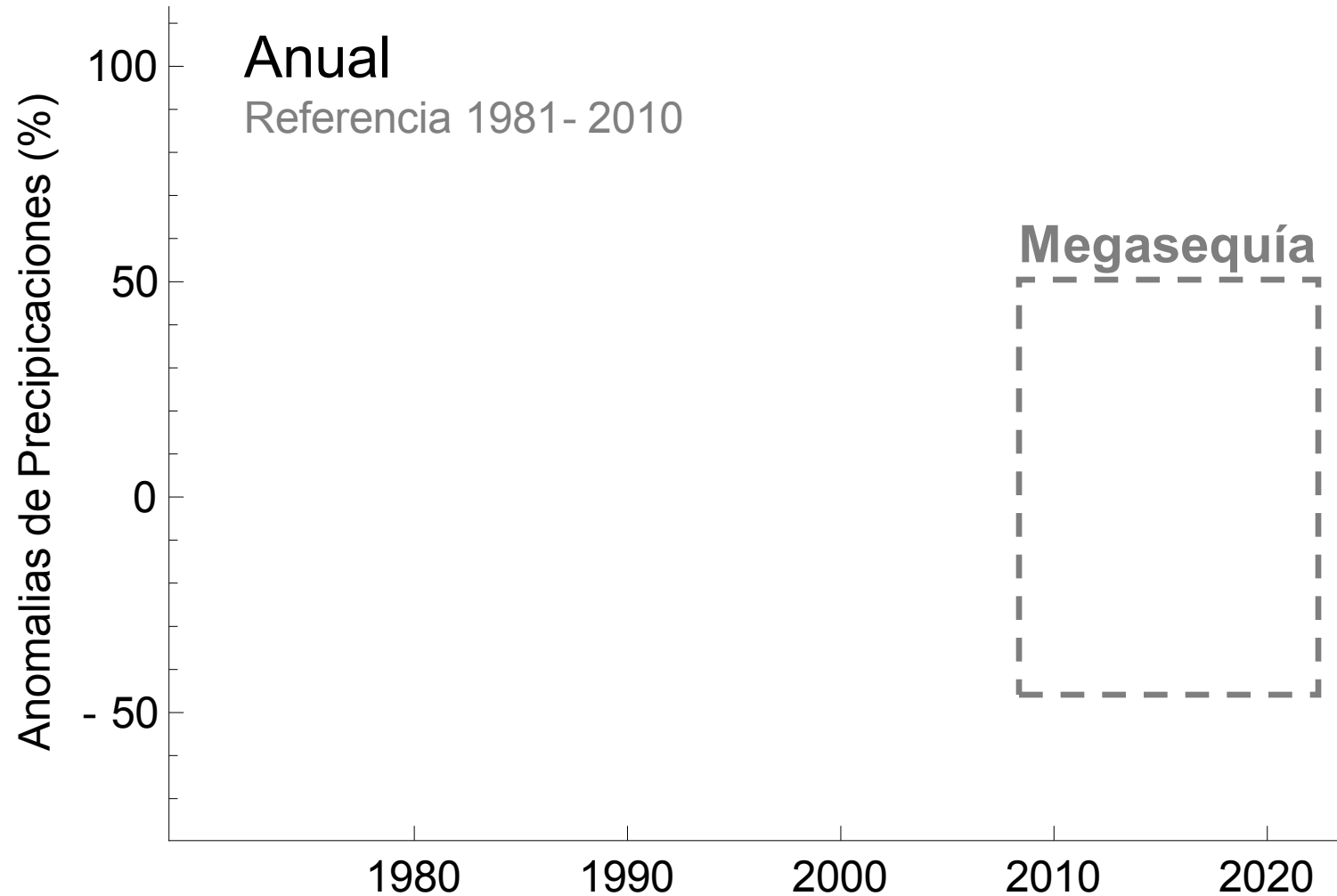
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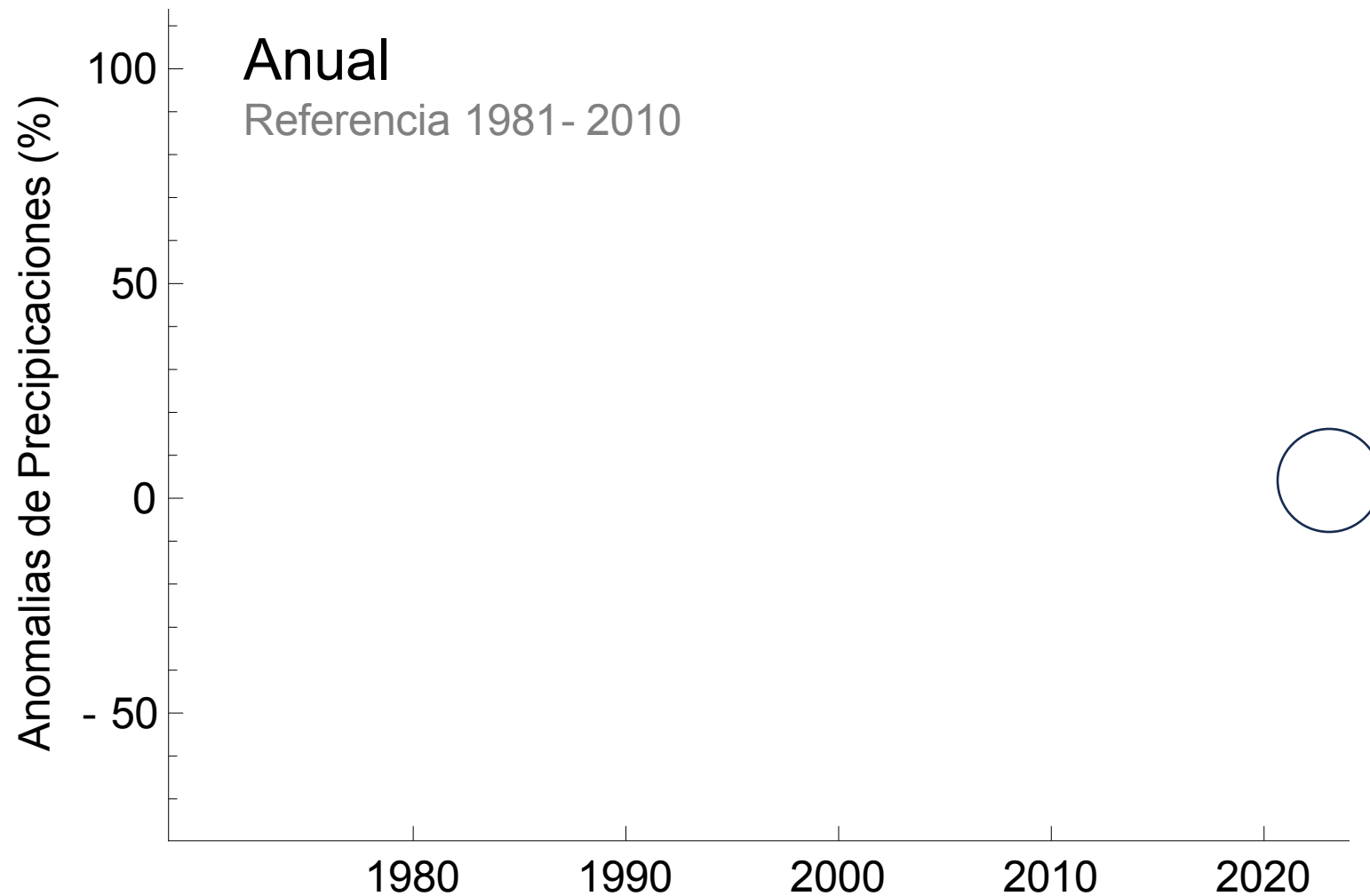
# Chile Central (32-36°S)



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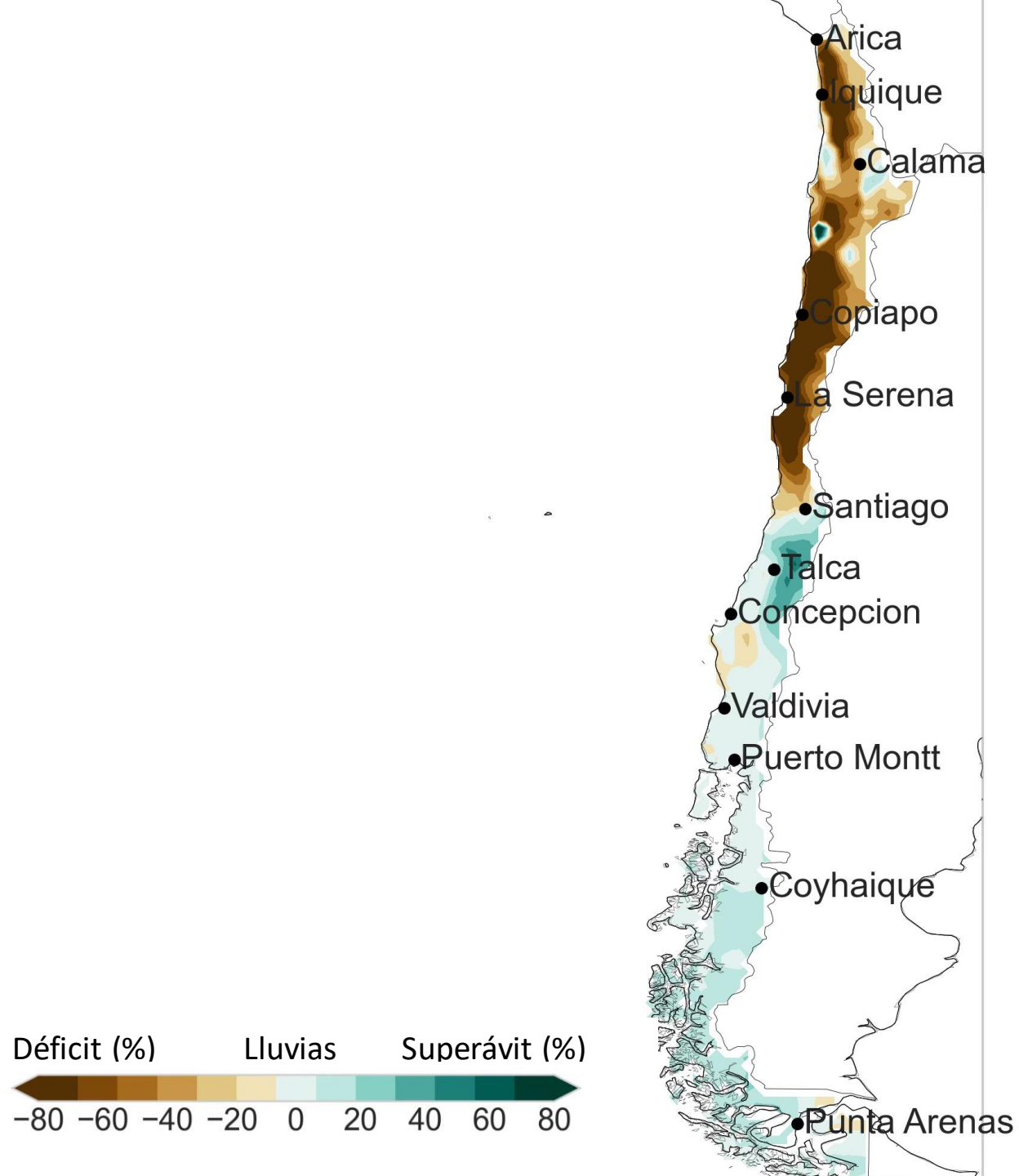


# Chile Central (32-36°S)



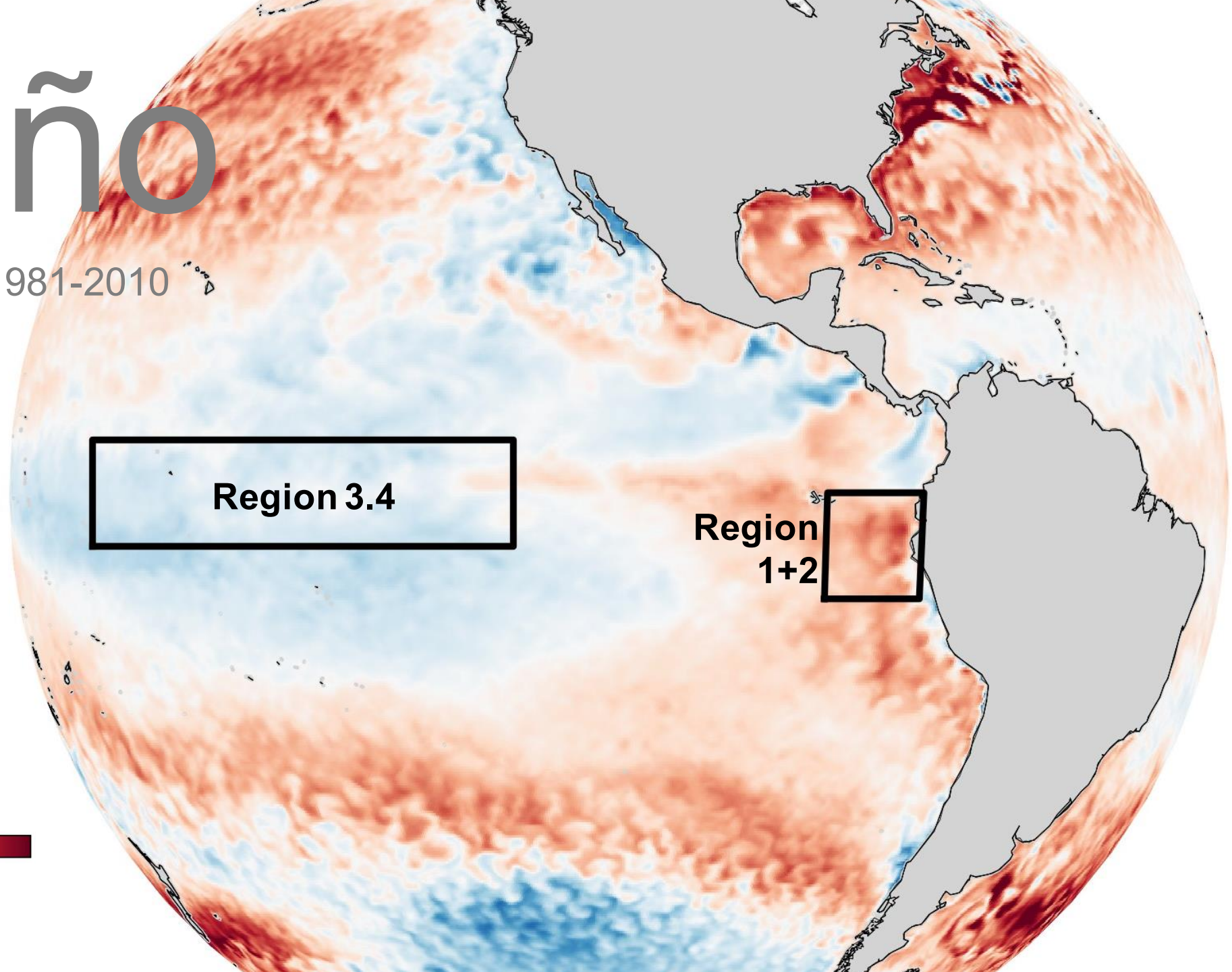
# Chile

2023 versus 1981-2010



# El Niño

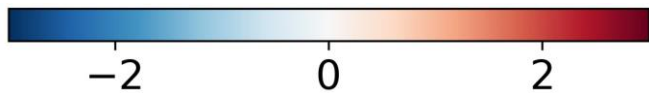
Febrero 2023 versus 1981-2010



**Region 3.4**

**Region 1+2**

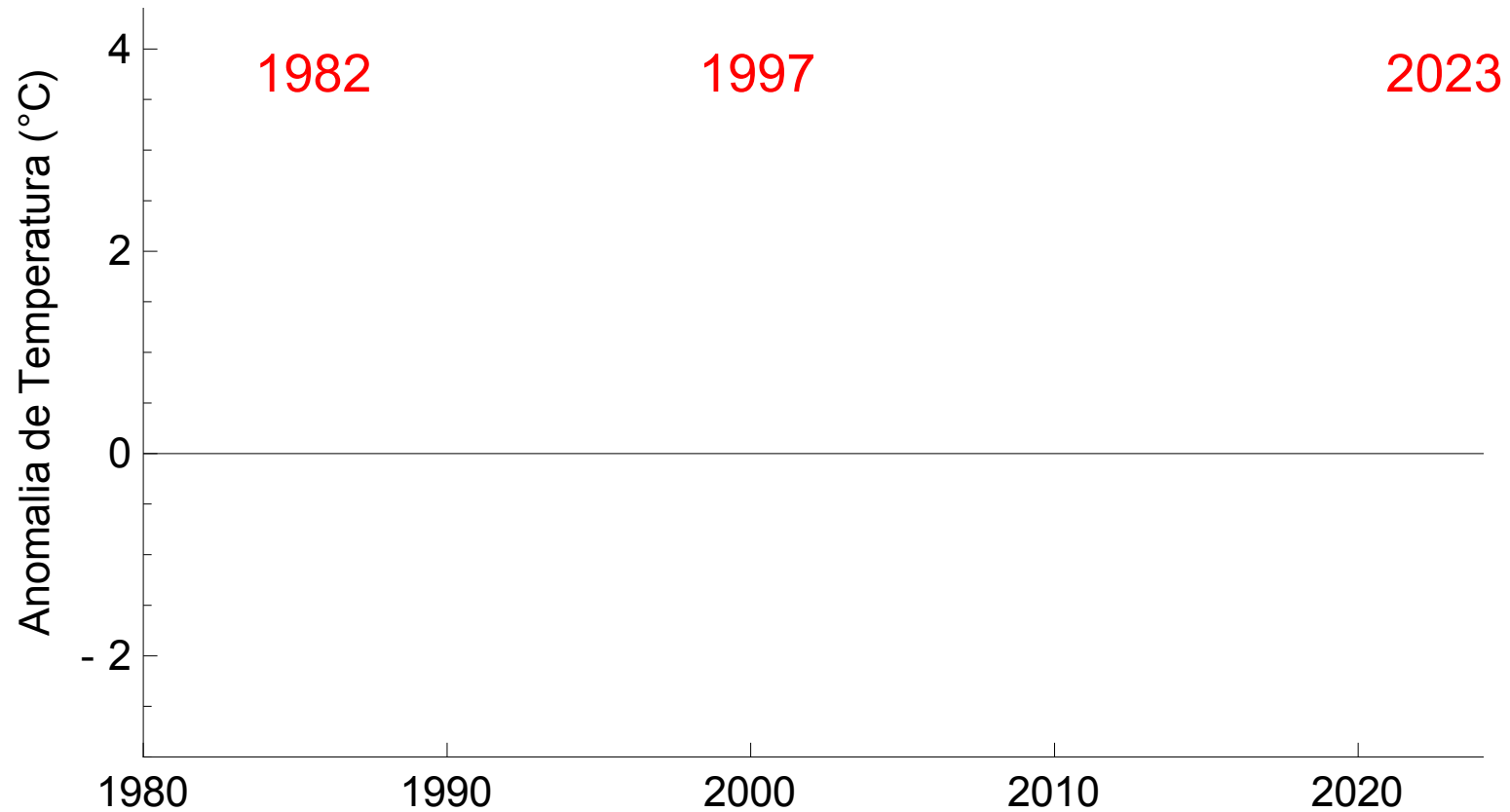
Anomalías de Temperatura (°C)



Fuente de datos: ERA5

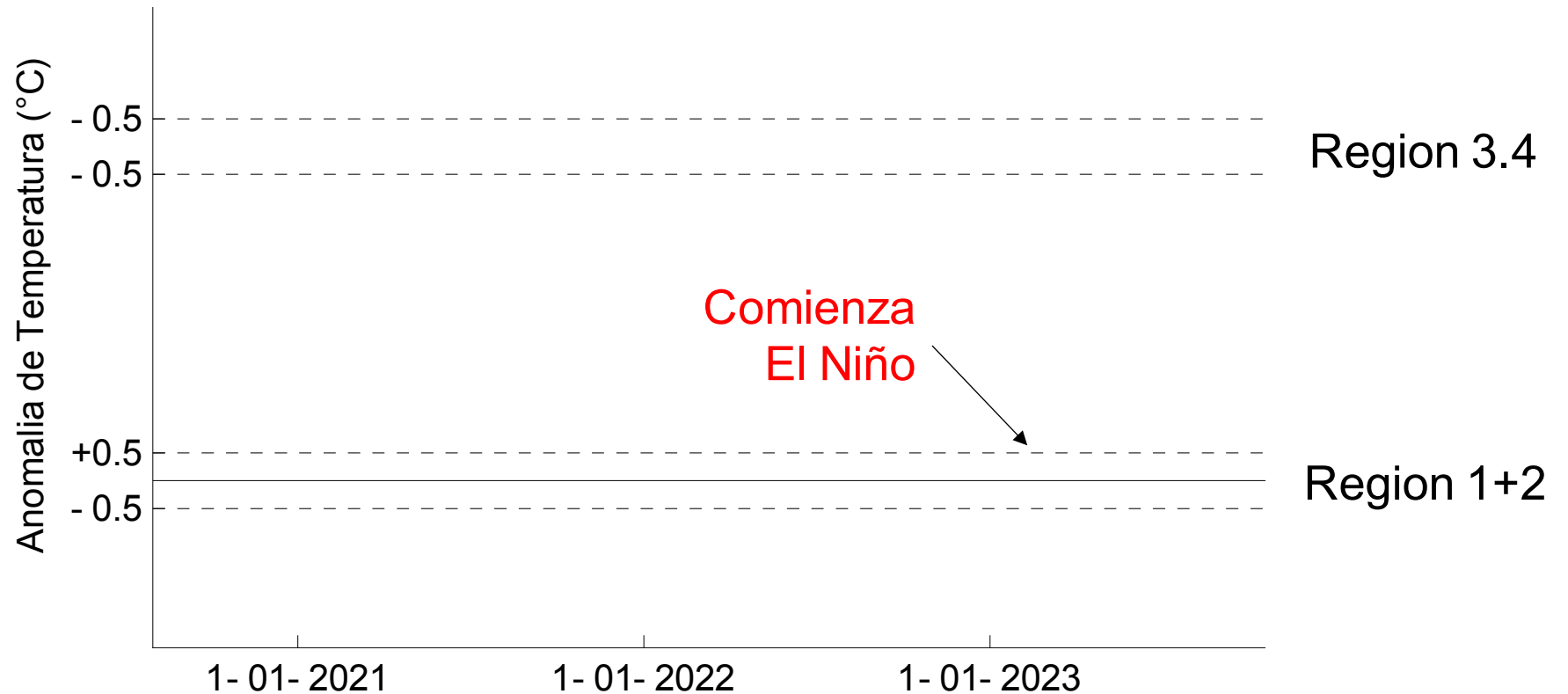
# El Niño

Relativo a 1981-2010



# El Niño

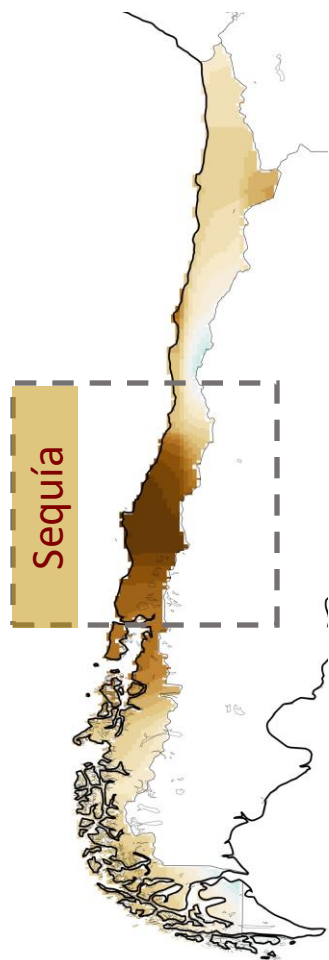
Relativo a 1981-2010



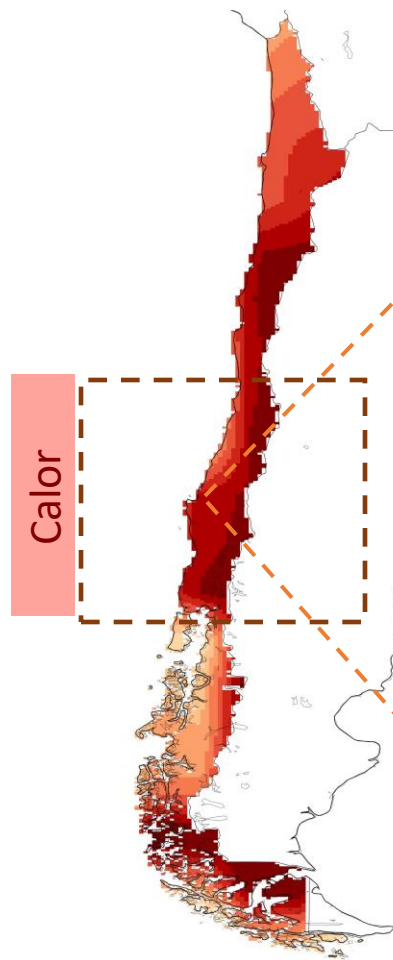
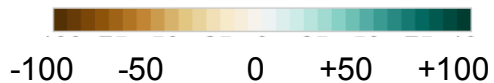


# Febrero 2023

Relativo a 1981-2010



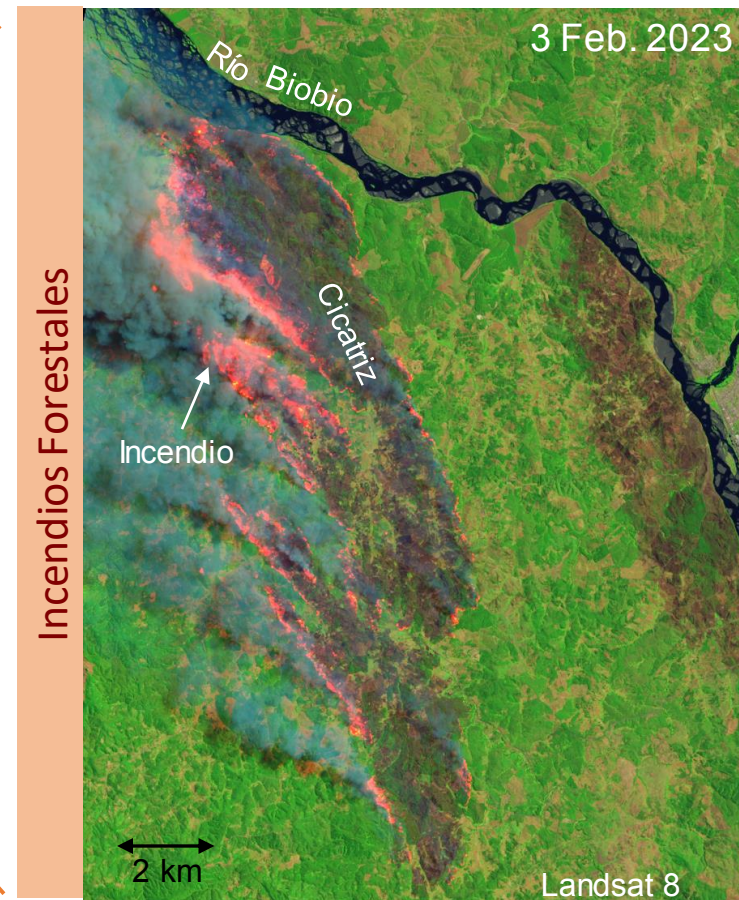
Anomalia de Precipitaciones (%)



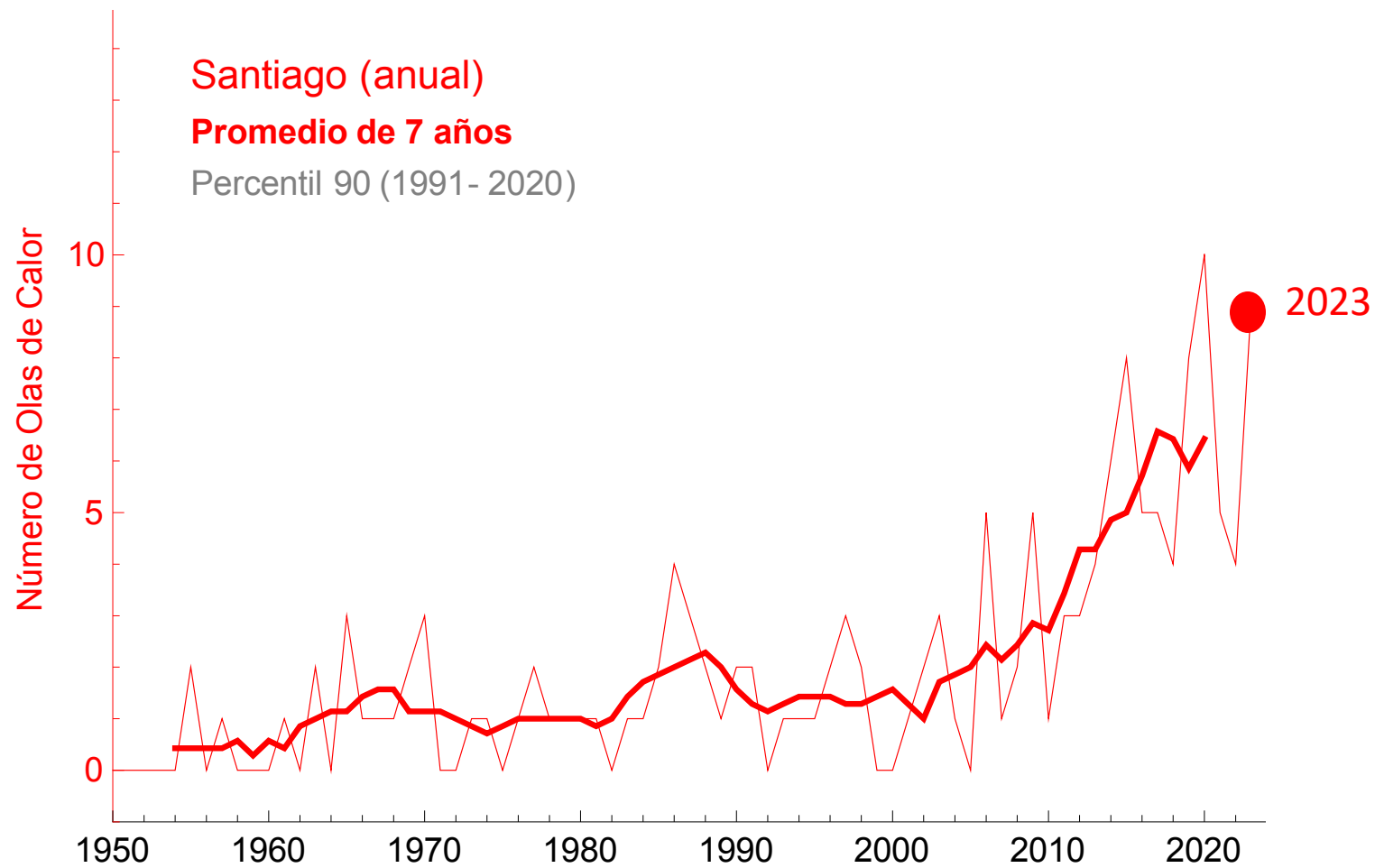
Anomalia de Temperatura (°C)



Fuente de datos: ERA5



# Olas de Calor





GODDARD SPACE FLIGHT CENTER

**AERONET**  
AEROSOL ROBOTIC NETWORK



We are currently contributing to the AERONET network



Ecological Reserve "Yerba Loca"



GODDARD SPACE FLIGHT CENTER

# AERONET

AEROSOL ROBOTIC NETWORK



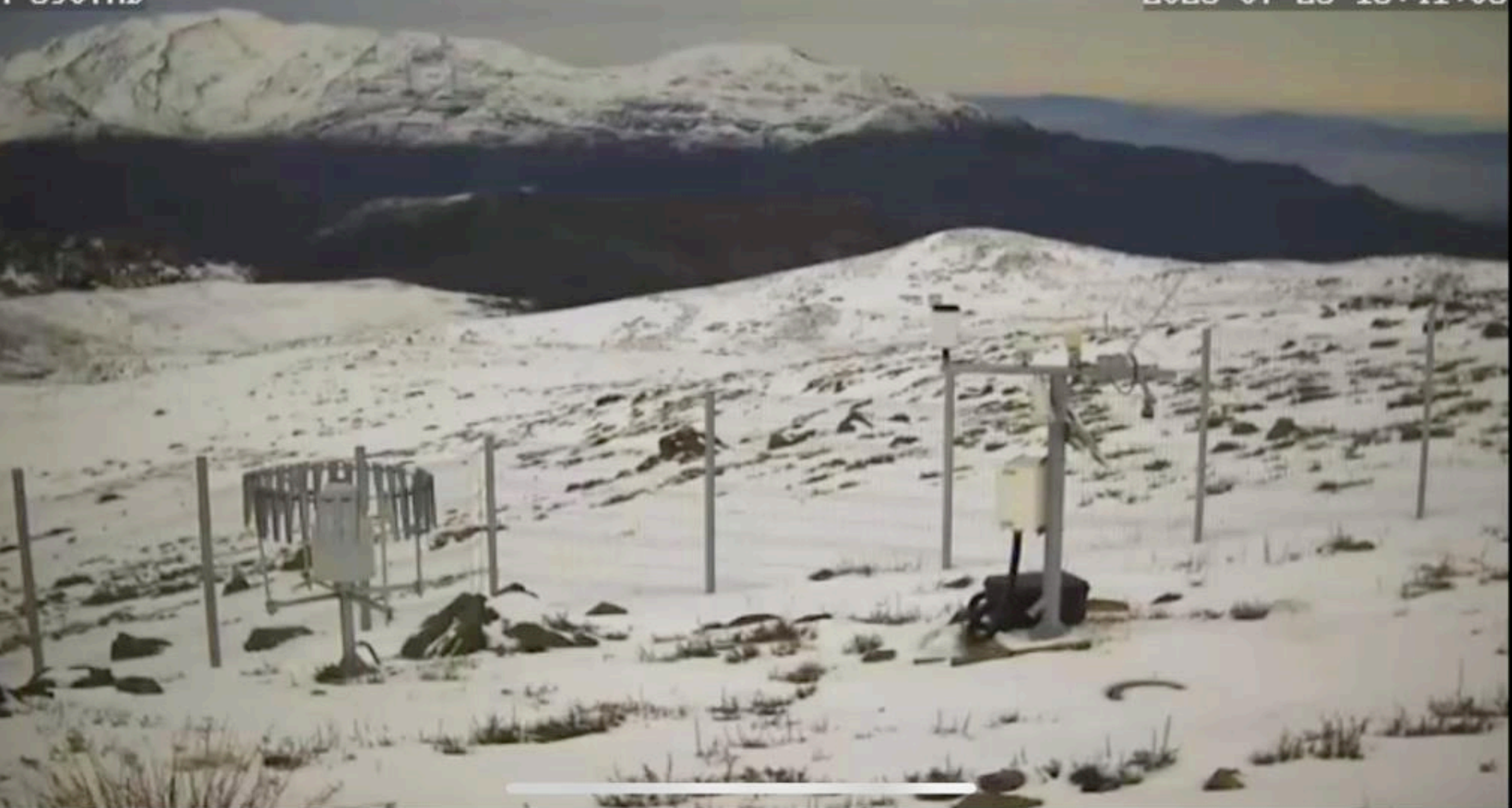
We are currently contributing to the AERONET network



Ecological Reserve "Yerba Loca"

N-5907HD

2023-07-23 16:41:03

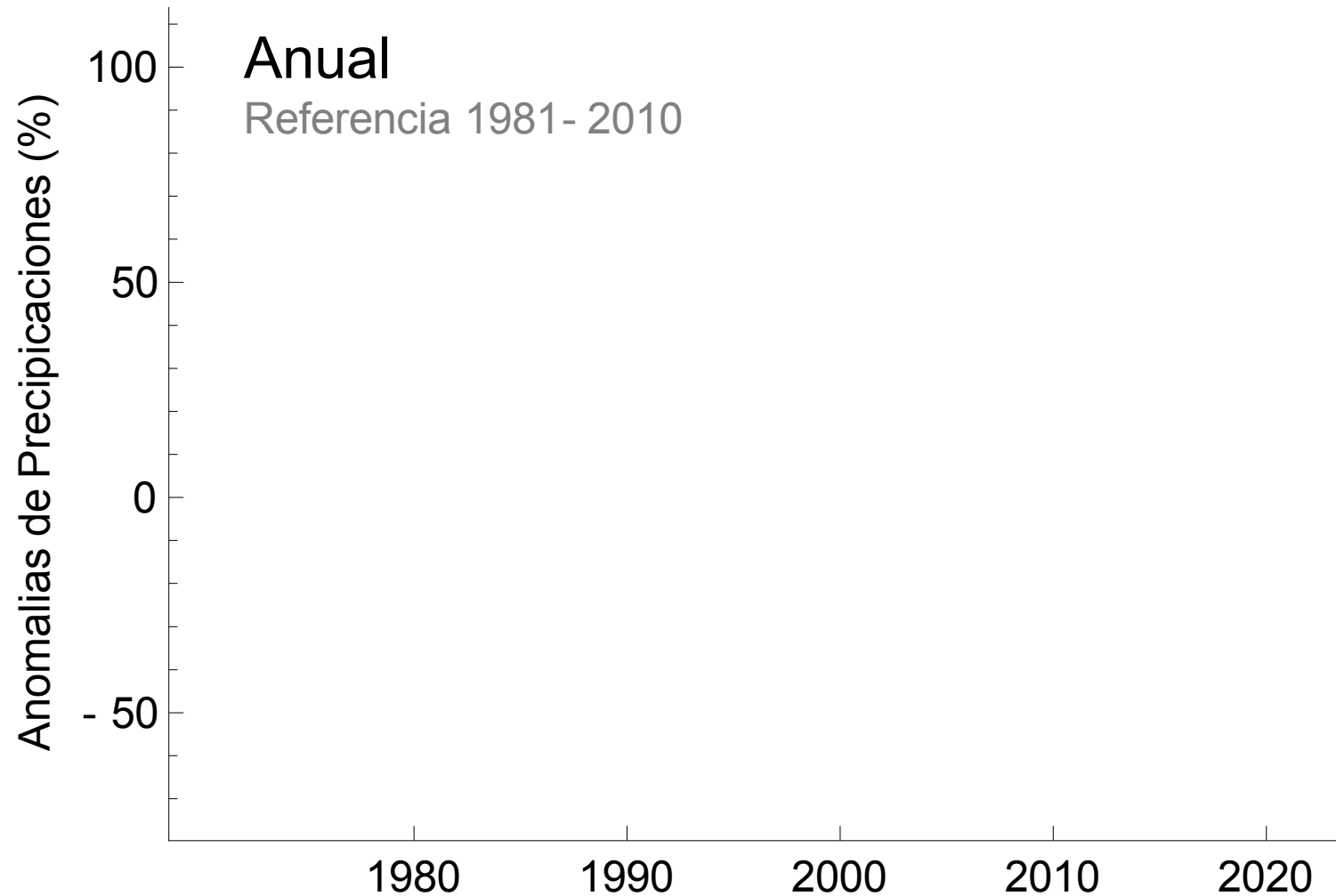


Agosto 13

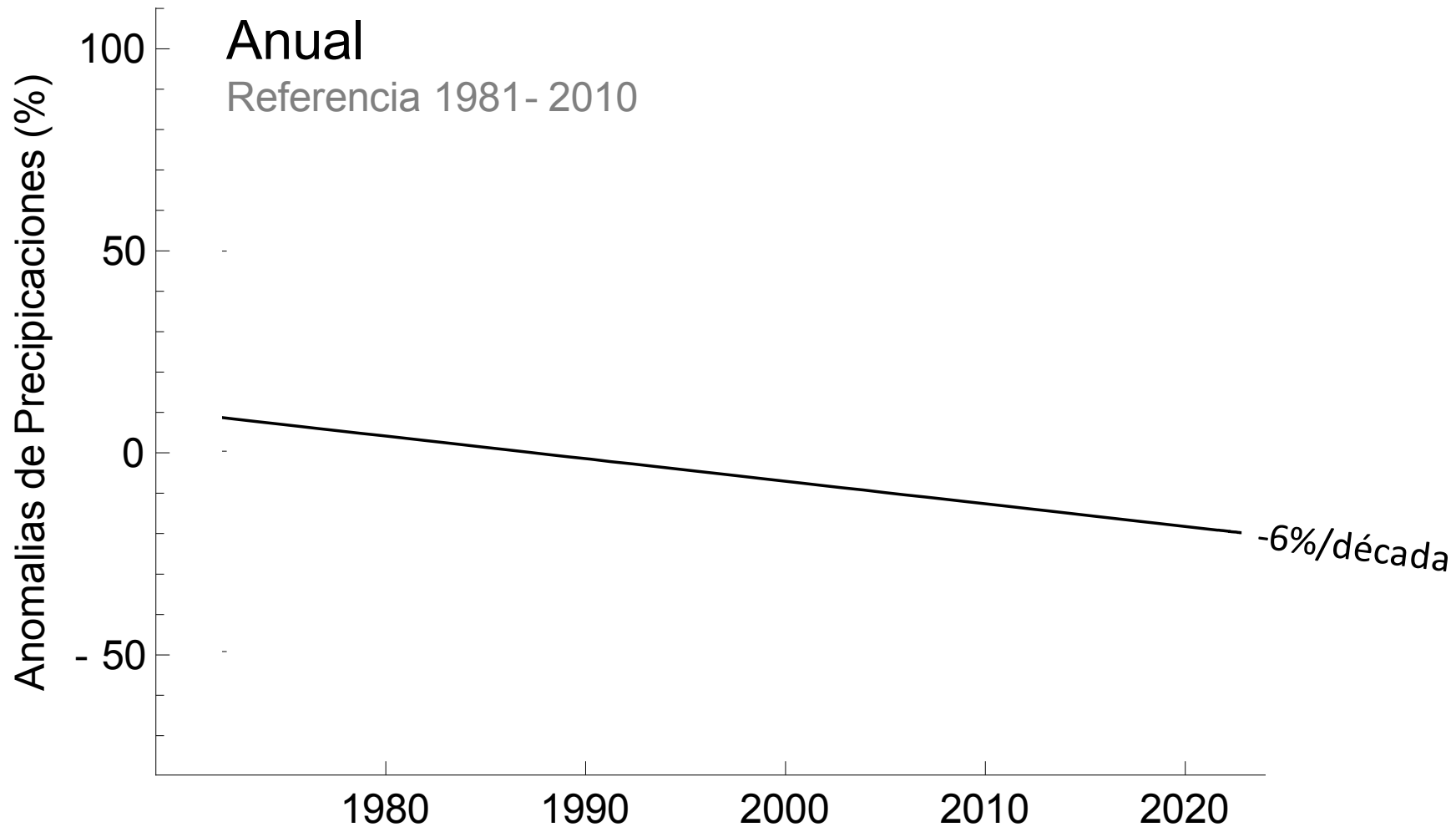
Curico



# Chile Central (32-36°S)



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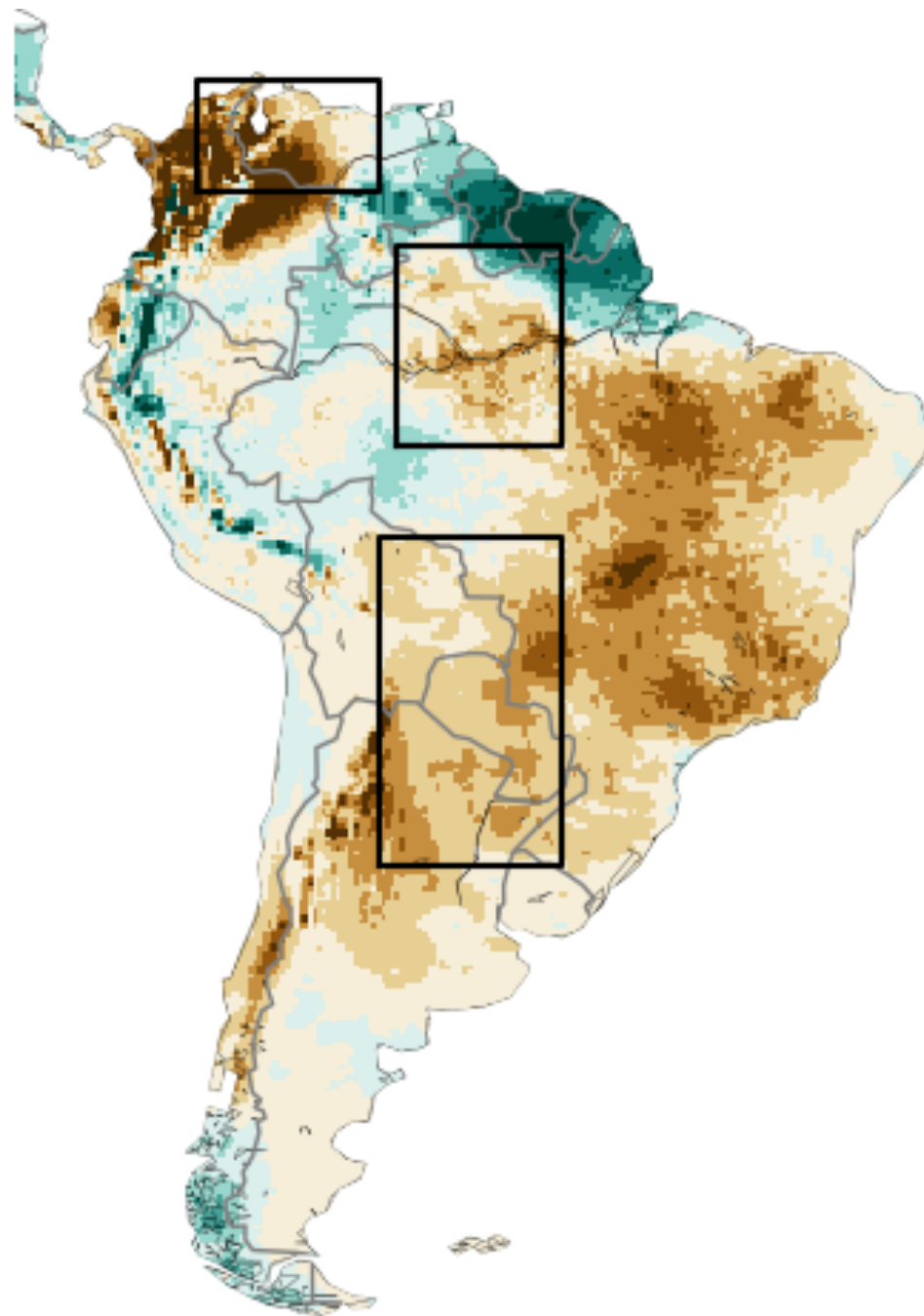


# Chile

2013-2022 versus 1981-2010



Fuente de datos: ERA5



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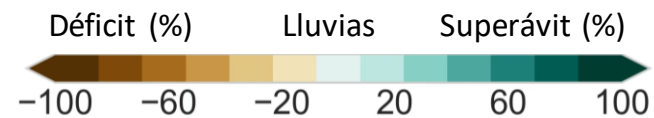
2021



2022



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# Gracias



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