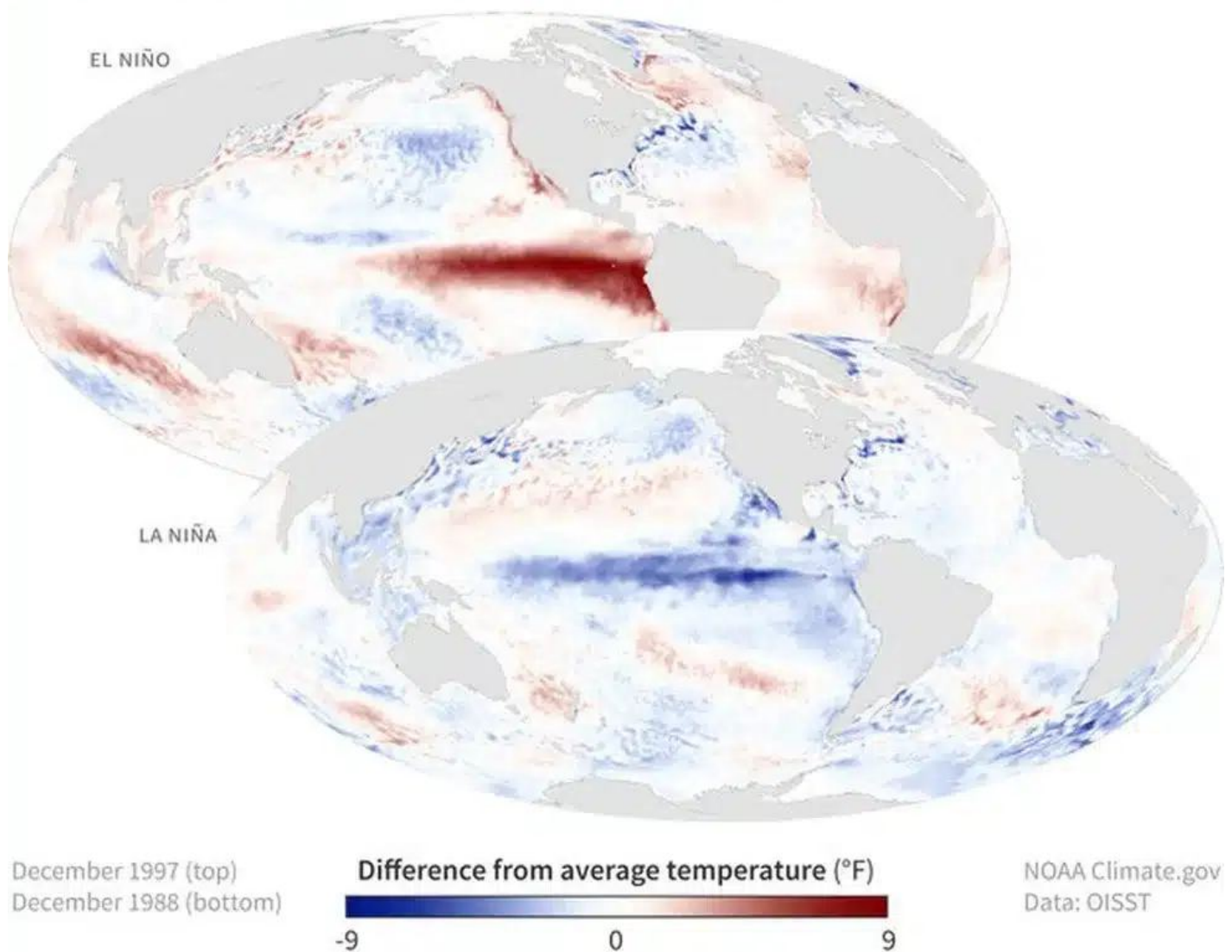


Oceanic Niño Index

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ONI TEMPERATURE PATTERNS



About Oceanic Niño Index

- It is the **National Oceanic and Atmospheric Administration's** (NOAA) primary indicator for monitoring the ocean part of the seasonal climate pattern called the El Niño-Southern Oscillation, or "ENSO".
- The ONI tracks the running **3-month averagesea surface temperatures** in the **east-central tropical Pacific** between 120°-170°W, near the International Dateline, and whether they are warmer or cooler than average.
- Index values of **+0.5 or higher indicate El Niño** and values of **-0.5 or lower indicate La Niña**.

What are El Nino and La Nina?

- **El Nino and La Nina** are **two opposing climate trends** that deviate from the normal conditions and normally run nine to twelve months, but can often extend.
 - These events occur every two to seven years on average (El Nino is more frequent than La Nina), but not on a regular basis and together are referred to as the **El Nino-Southern Oscillation** (ENSO) cycle by scientists.
 - **El Nino** is typically known as the **warm phase** (a band of warmer water spreading from west to east in the equatorial Pacific Ocean) and **La Nina** is identified as the cold phase (a band of cooler water spreads east-west) of ENSO.
 - Both El Nino and La Nina can have global effects on weather, wildfires, ecosystems and economics.
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Q1: What is Southern Annular Mode?

It is the north-south movement of Southern Westerly Winds over timescales of 10s to 100s of years. It is also known as the Antarctic Oscillation. They blow almost continuously in the mid- to high-latitudes of the southern hemisphere.

Source: [Two reasons why food inflation may soften in the months ahead](#)

Source: <https://vajiramandravi.com/current-affairs/oceanic-nino-index/>

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