

Why it occurs

What it is.

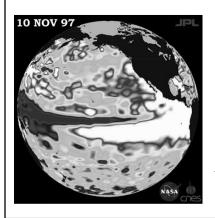
How it effects global climate





El Nino

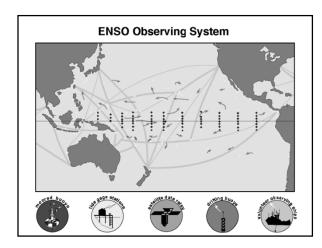
Recorded since 1525, geological evidence suggests it has occurred for 13,000 years, scientifically it has been studied for about 50 years

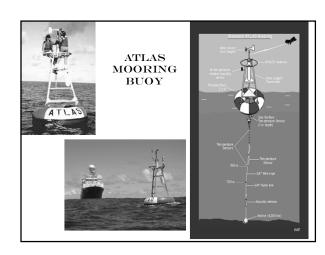


The last major El Nino Event

On my 40th
Birthday
12/7/1997
it rained 8
inches in
Laguna
Beach in 60
hours

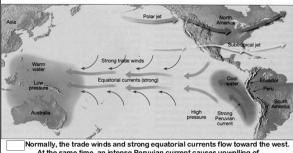
PREDICTING EL NINO







The Normal condition

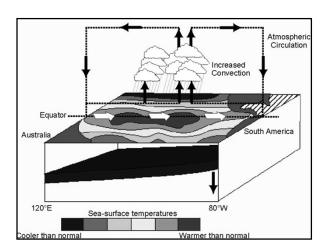


ormally, the trade winds and strong equatorial currents flow toward the At the same time, an intense Peruvian current causes upwelling of cold water along the west coast of South America.

During the Normal Conditions

☆Warm water pools in Indonesia, causes Monsoon's

In El Nino



Facts about the 1997-1998 El Nino

- Amount of energy put into atmosphere by the 1997-98 El Nino was more than the amount of energy consumed by the U.S. in one year from burning fossil fuels
- Equal to more than one million Hiroshima bombs
- The sea level height in the eastern equatorial pacific was more than 12cm higher than normal, in an area twice the size of the U.S.
- In California the sea lion pup mortality rose from 25% to 70%