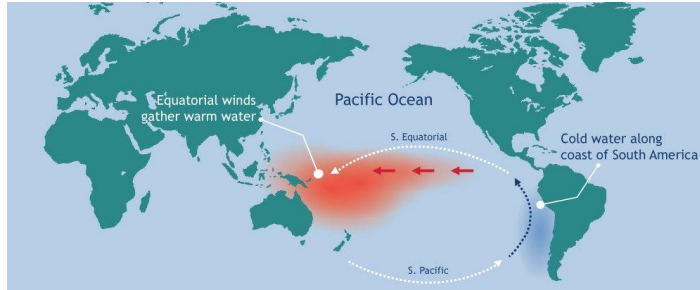


01 Seminar

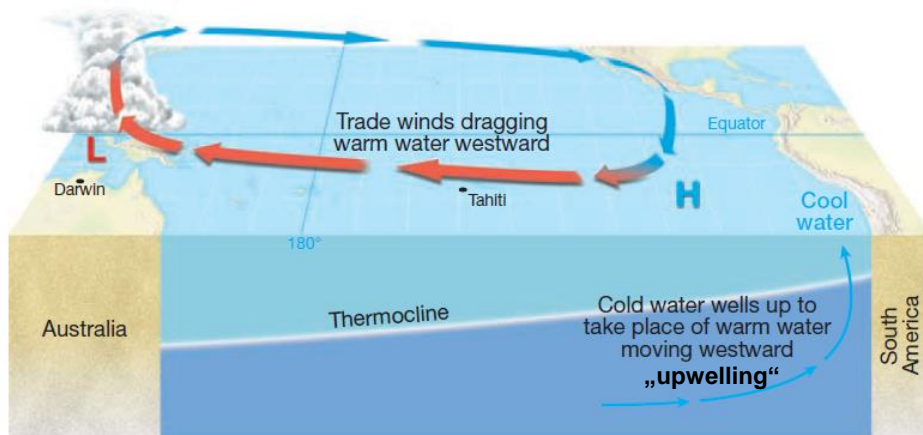
ENSO (theory)



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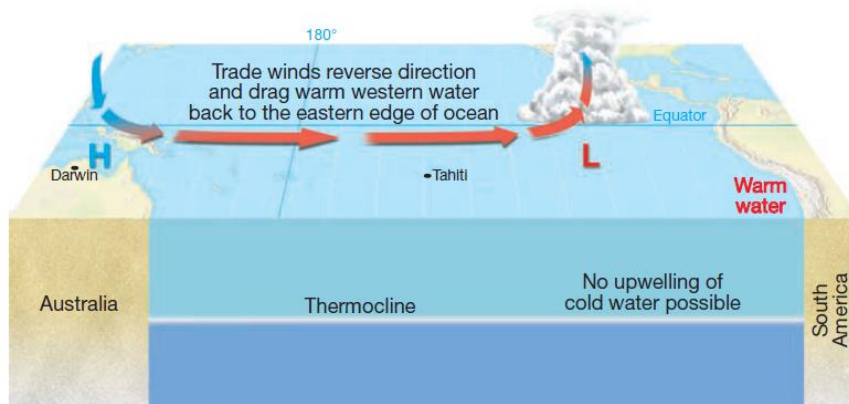
ENSO – El Niño-Southern Oscillation

Normal Conditions



ENSO – El Niño-Southern Oscillation

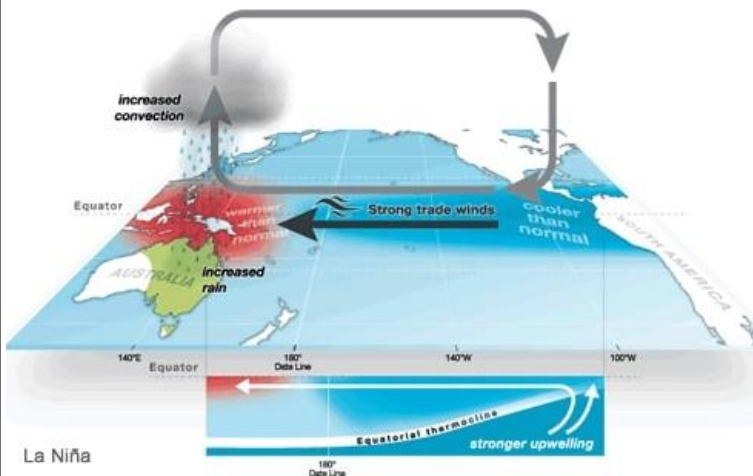
El Niño conditions



(b) Circulation during El Niño

ENSO – El Niño-Southern Oscillation

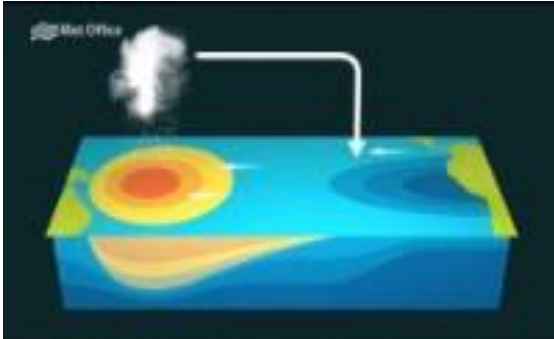
La Niña conditions



Remember:

- **El Niño:** the warming phase of the waters in the eastern Pacific, off the coast of South America
- **La Niña:** the cooling phase...

ENSO – El Niño-Southern Oscillation



<https://www.youtube.com/watch?v=WPA-KpldDVc>

El Niño:

- main weather impacts: heatwaves, floods, and droughts in the tropics, but also outside the tropics
- some of the effects worldwide:
 - floods - Peru
 - droughts - India, Indonesia, and Brazil

Recommended sources:

HESS, 2014, page 143–148

<https://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml>