

El nino

Walker circulation

- Trades

- Norm. cond.

El nino

- 1541

- "Christ child"

- Warmer water in E. Pacific

- Wind shift

Why?

- Thermocline

Map of SST

- $>25^{\circ}\text{C}$  in W

- $<22^{\circ}\text{C}$  in E

- Normal

- During El Nino

Impacts

- 1982-83

1982-83

- Brings winds ashore

- Rains

- 6 typhoons hit Tahiti

#### Impacts

- Greatest costs in Ag
- fishing industry

#### Other costs

- Disease outbreak