



PACCSAP Capacity building Activities

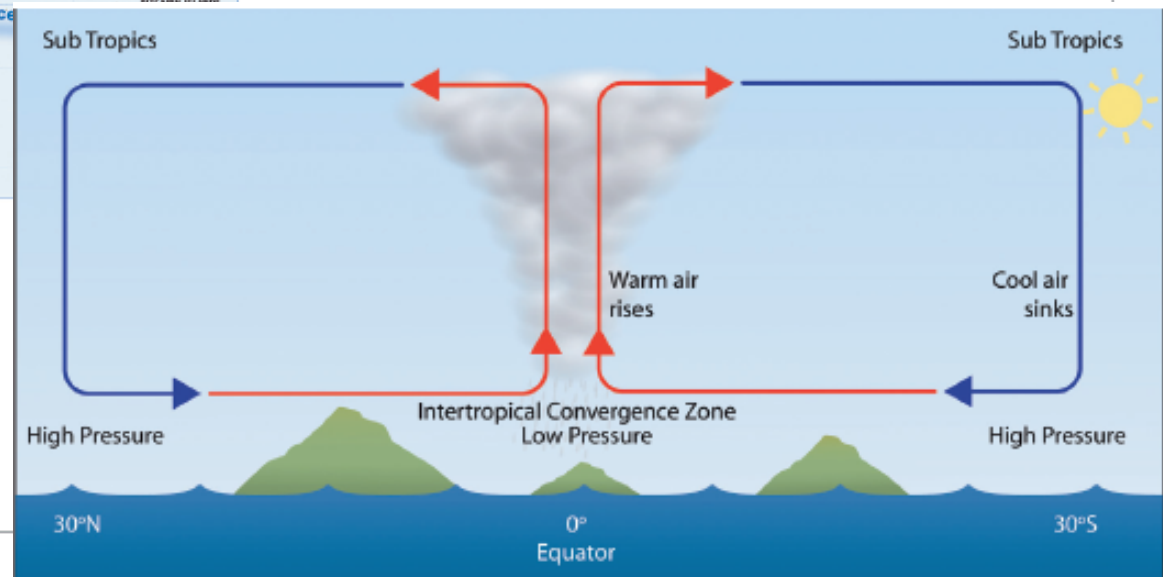
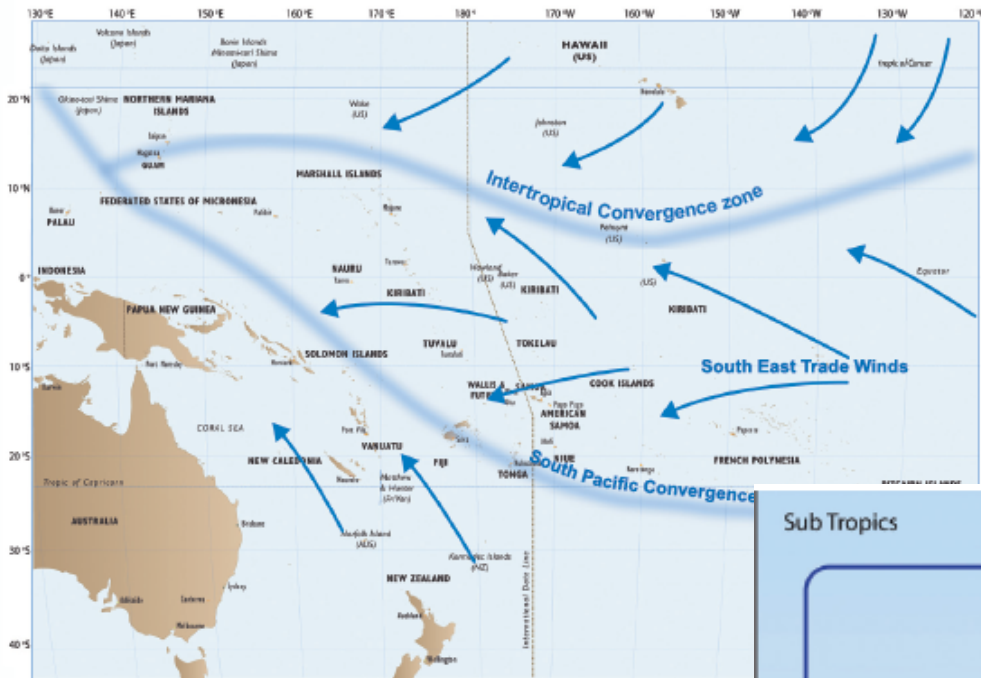
Awnesh Singh
Post-Doctoral Fellow
PACE-SD

Arona Ngari
Director
Cook Islands Met. Service



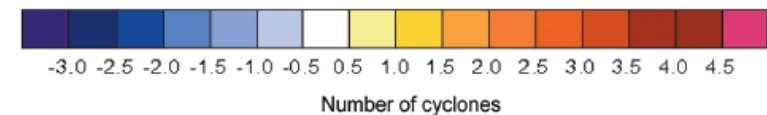
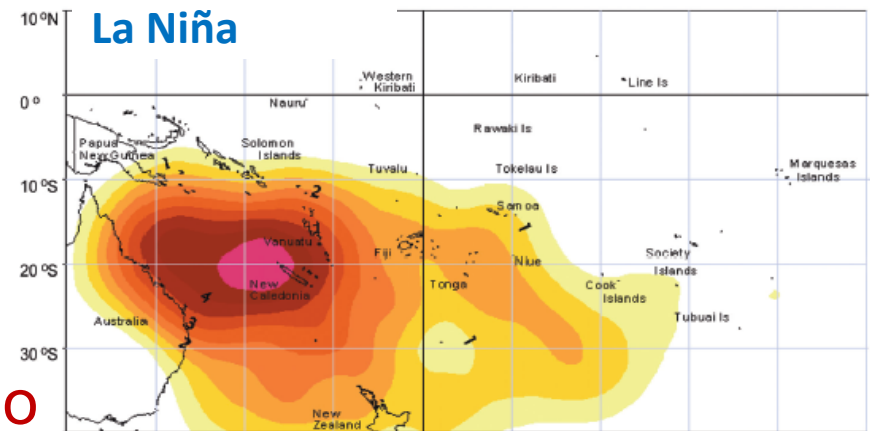
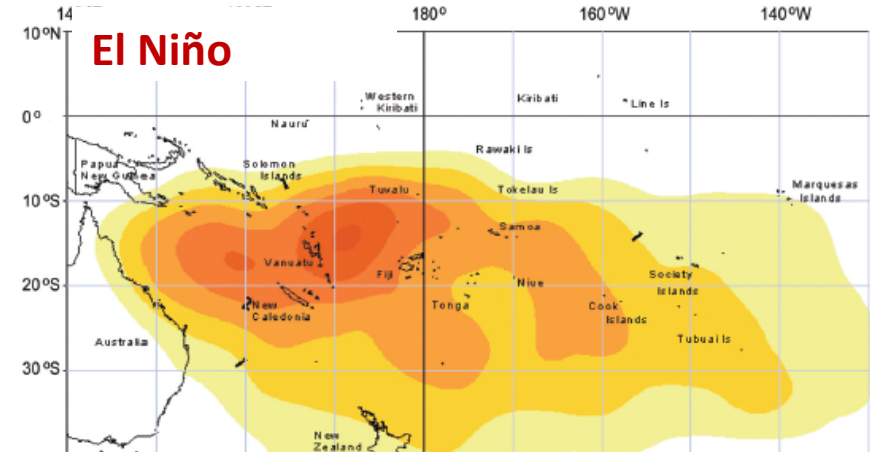
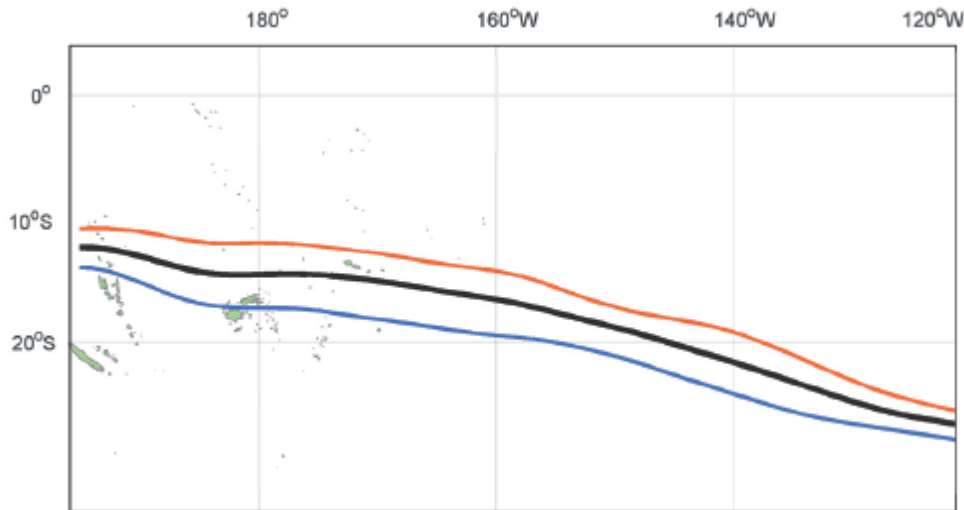
Pacific atmospheric circulation

- Trade winds
- Convergence zones
- Walker and Hadley circulations





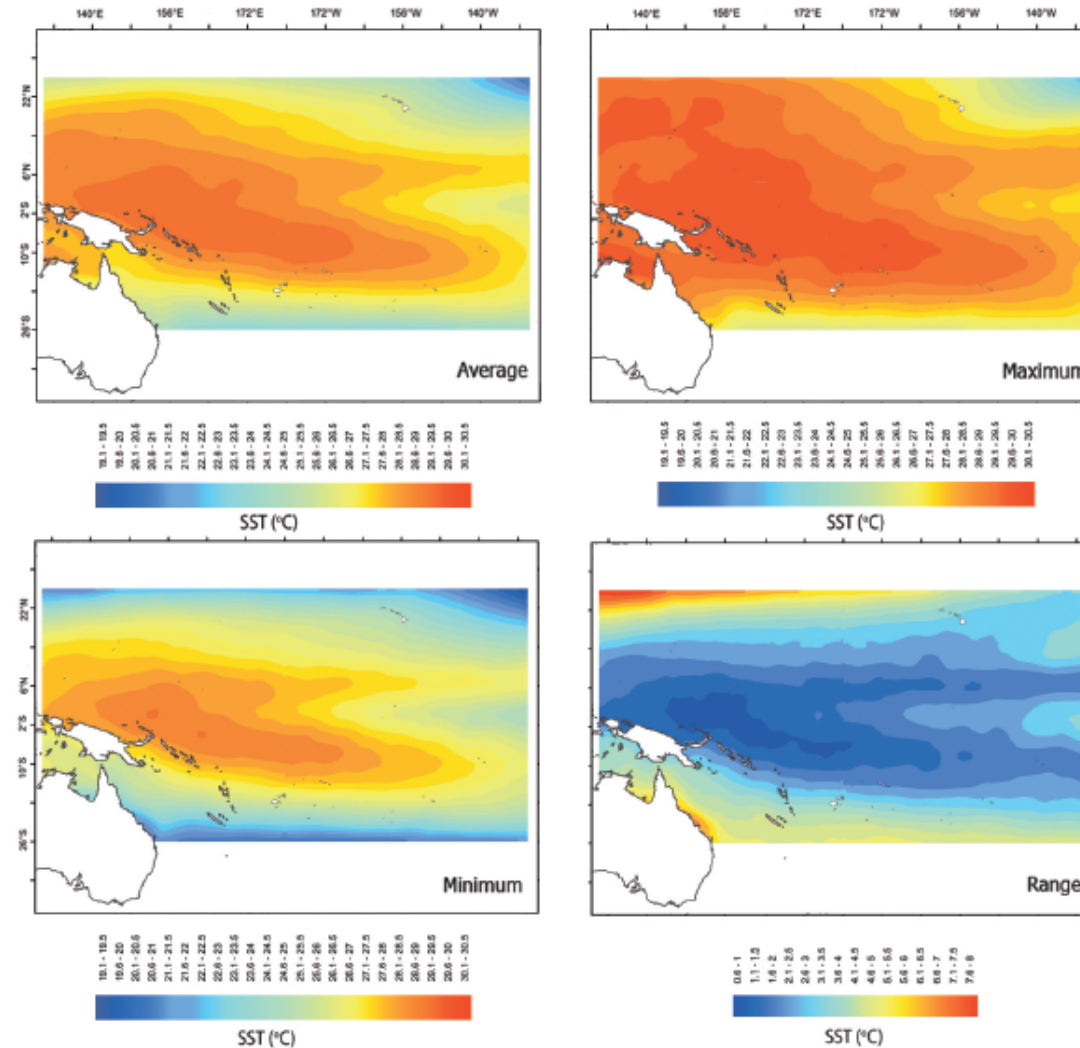
ENSO shifts SPCZ and tropical cyclones



- Further north **El Niño**
- Further south **La Niña**
- Fewer cyclones further east **El Niño**
- More cyclones further west **La Niña**

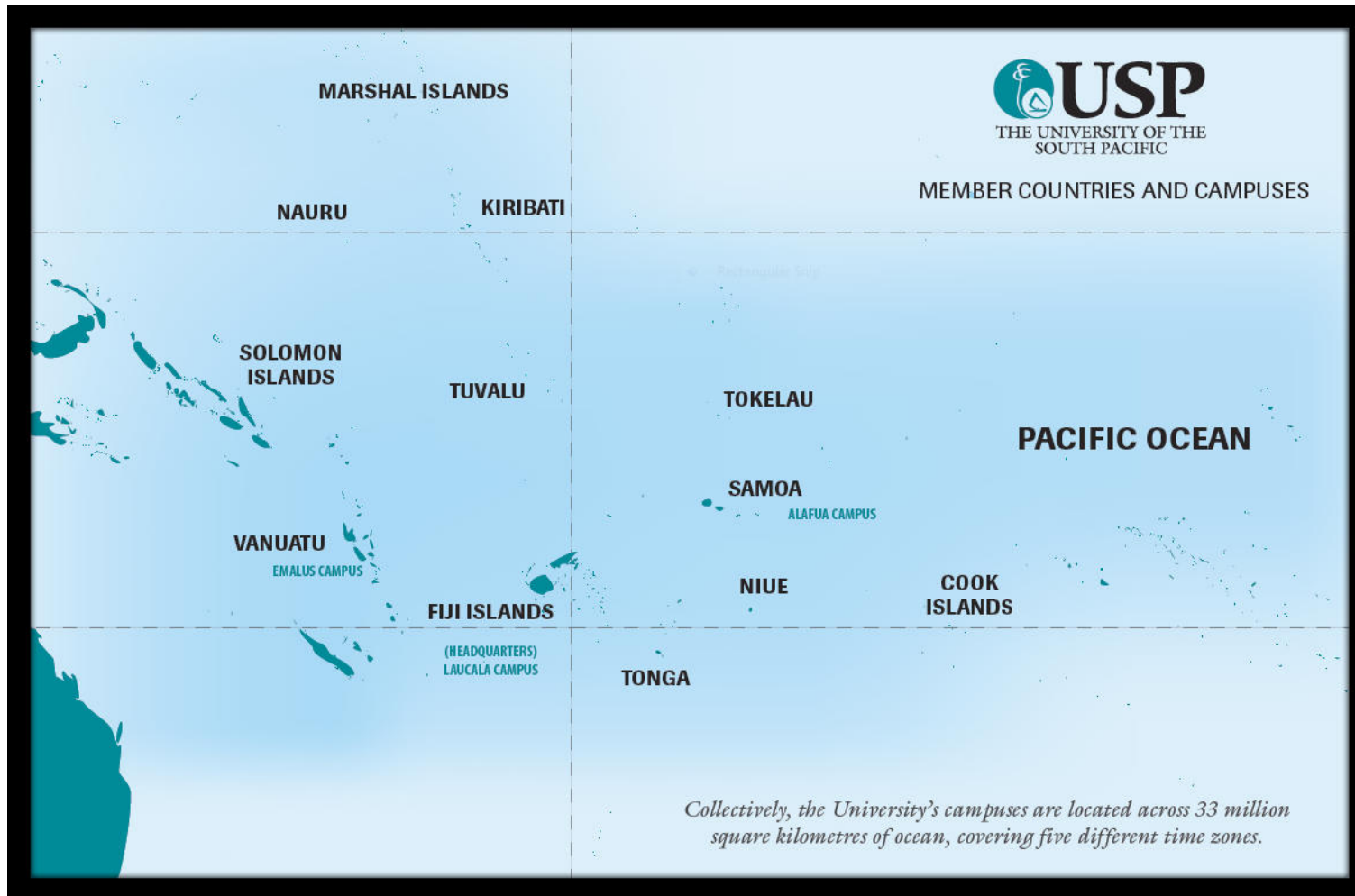


Sea surface temperature





USP member countries





Climate related studies at USP

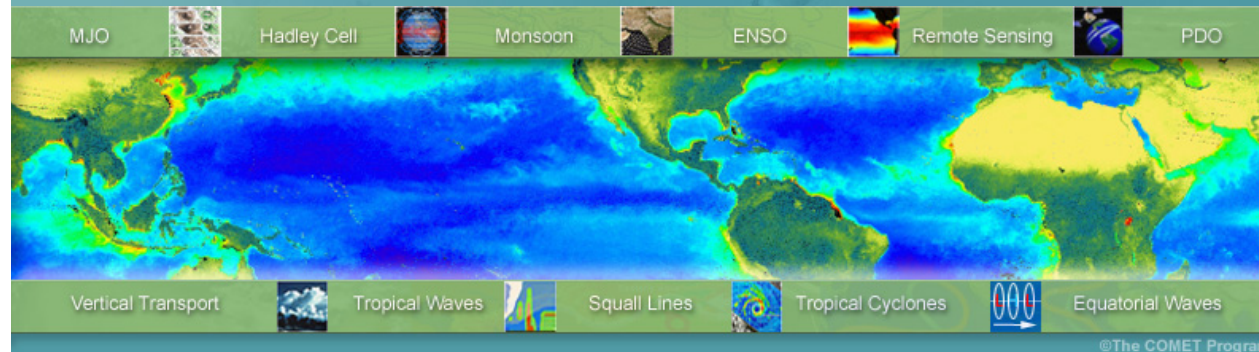
- Pacific Centre for Environment and Sustainable Development (PACE-SD)
- Course Offered:
 1. Disaster Risk Management
 2. Climate Change: Impacts, Vulnerability, and Adaptation
 3. Climate Science
 4. Environment Impact Assessment and
 5. Pacific Ecologies in relation to Climate Change (new)
 6. Tropical Meteorology (offered the first time this year)
 - Following COMET program and endorsed by WMO
 7. Physical Oceanography (envisioned)



New course

Introduction to Tropical Meteorology *2nd Edition*

A Comprehensive Online & Print Textbook
Version 2.0, October 2011



Dr. Arlene Laing, Lead Author
The COMET Program and
National Center for Atmospheric Research

Dr. Jenni-Louise Evans, Co-author
The Pennsylvania State University

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What do we need?

- Assistance in course development/delivery/ implementation in Ph. Oc. due to lack of expertise
 - in order to build capacity within the region in the areas of ocean and atmosphere at pre-doctoral level
 - CLIVAR to help endorse it as WMO has done
- IRD Noumea has been helpful in capacity building by facilitating workshops and taking on students for research – we hope this continues ...
- PACCSAP to build more research capacity ...
- Professors to help build this capacity within the region (vacancies are coming up ...)

Kadavu, Fiji

Meitaki Maata !

