

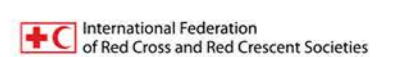
# Learning about climate change the Pacific way *A visual guide*



Samoa



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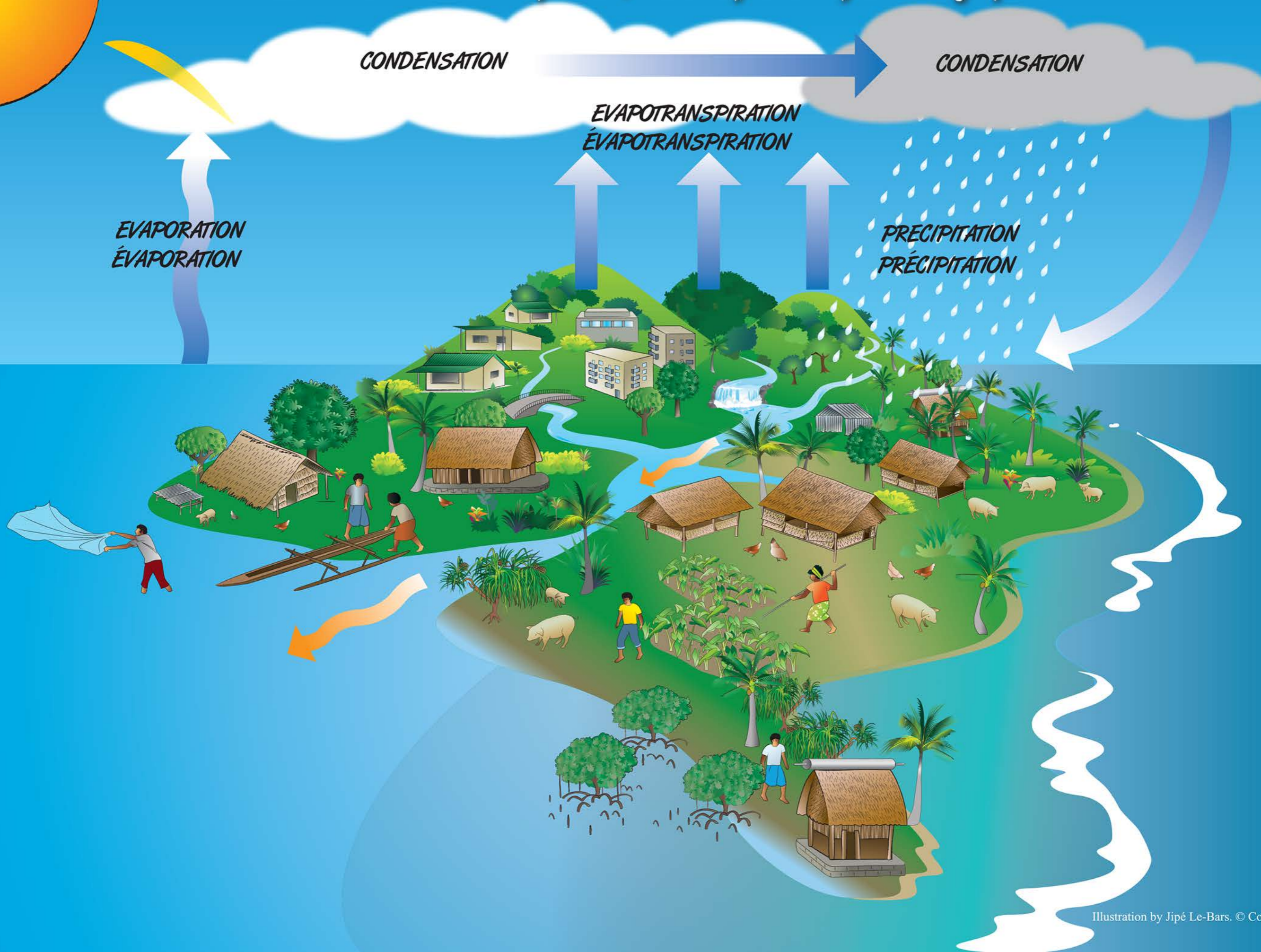
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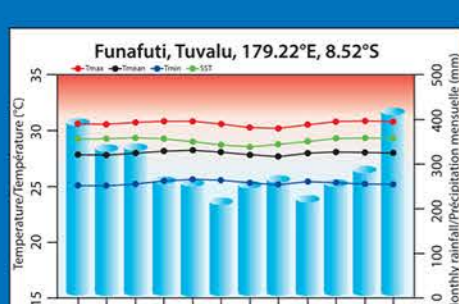
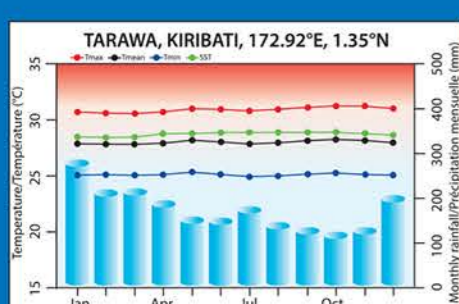
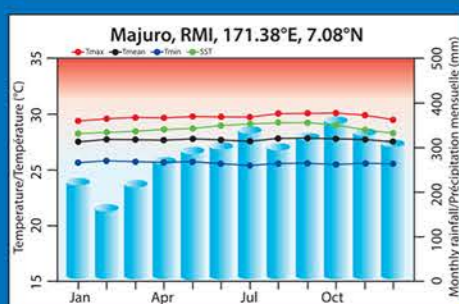
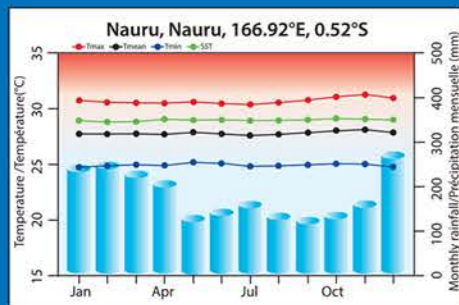
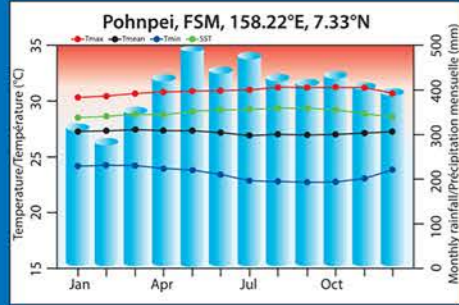
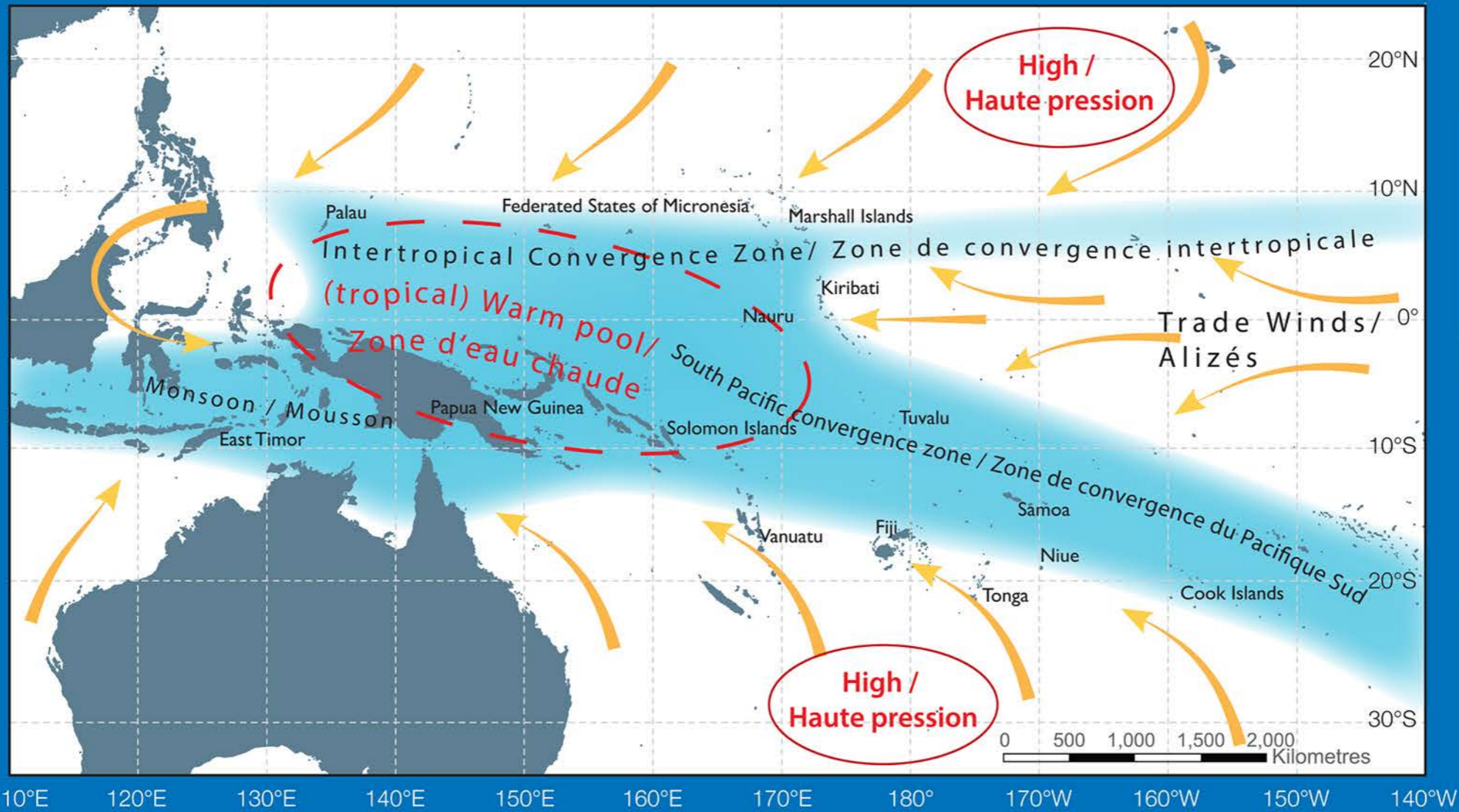
# I. Pasifika



## 2. The Water Cycle / Le cycle hydrologique



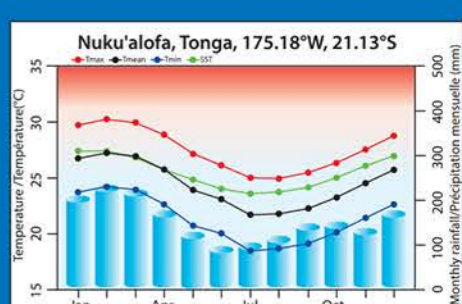
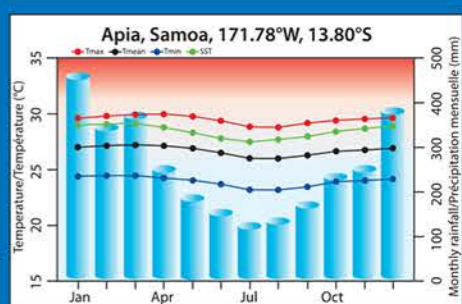
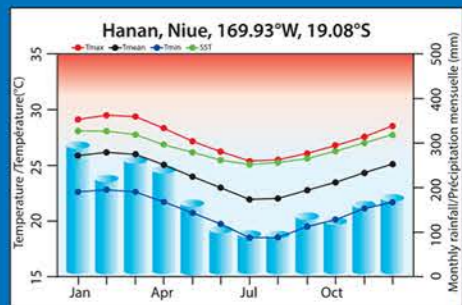
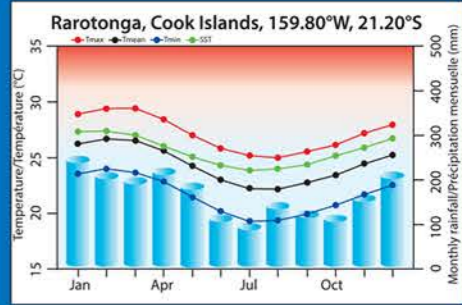
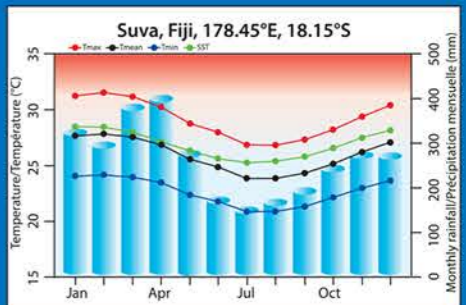
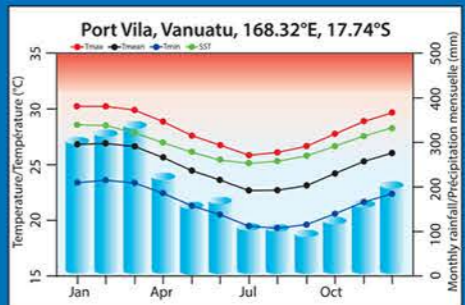
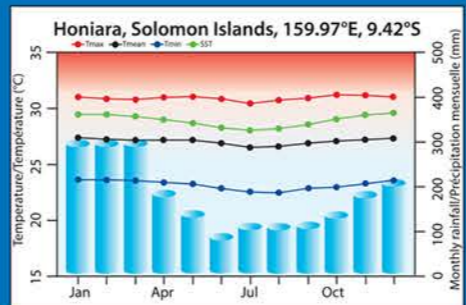
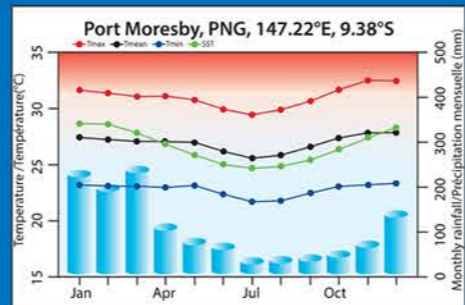
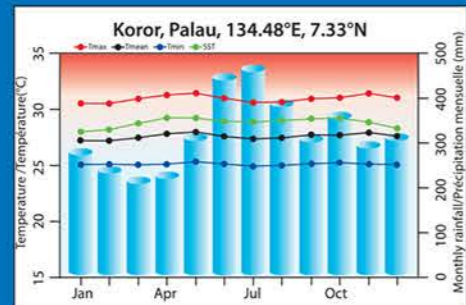
# 3. Climate in the Pacific - Le climat dans la région océanienne



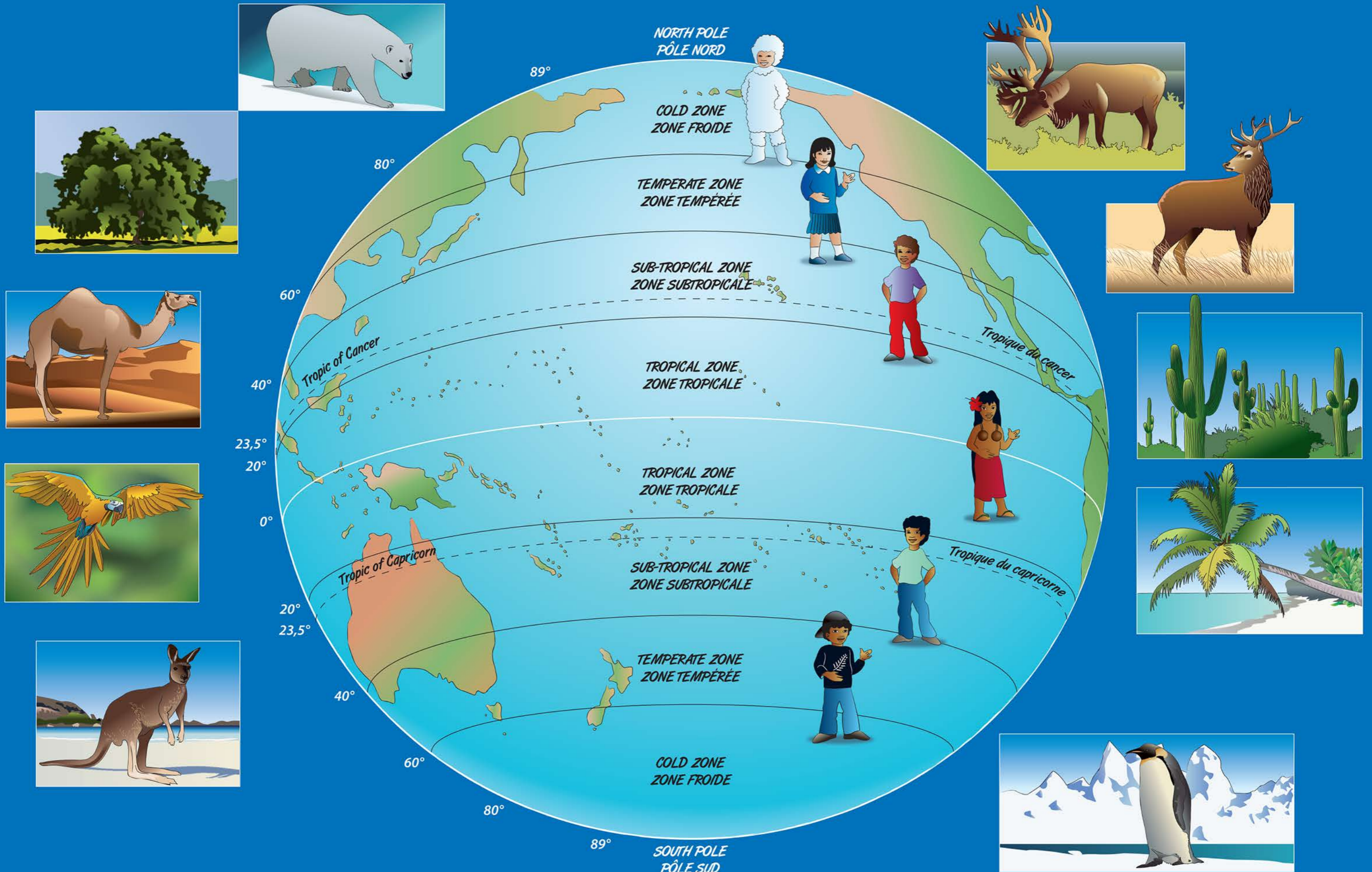
ABM-CSIRO 2011, Vol 1: 37, 42. BMA-CSIRO 2011, Vol 1: 37, 42

Monthly average maximum air temperature (red), mean air temperature (black), minimum air temperature (blue), sea-surface temperature (green) and average monthly rainfall (blue bars) at key locations in each of the Partner Countries. Station data over 1961–1990 were used.

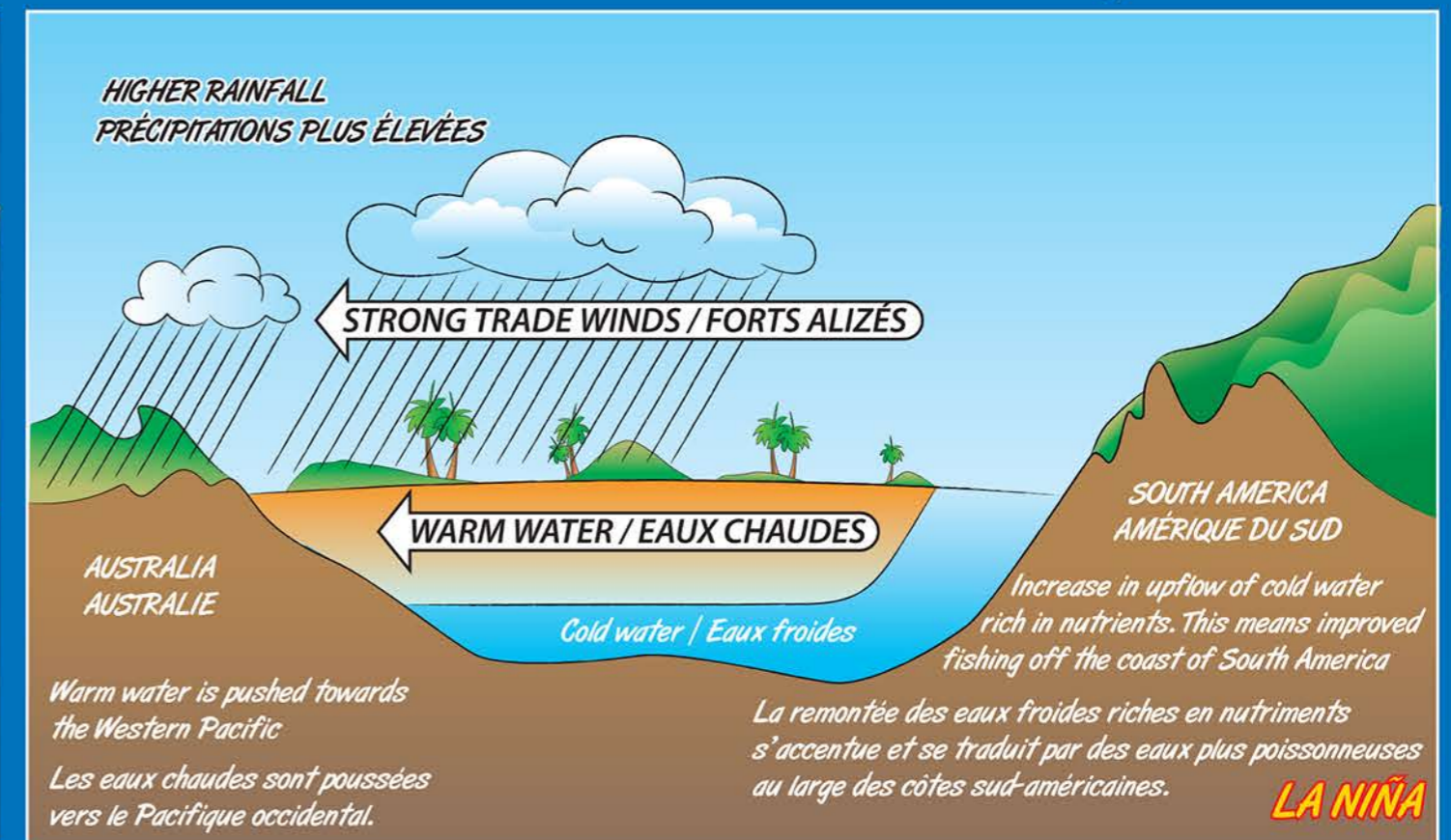
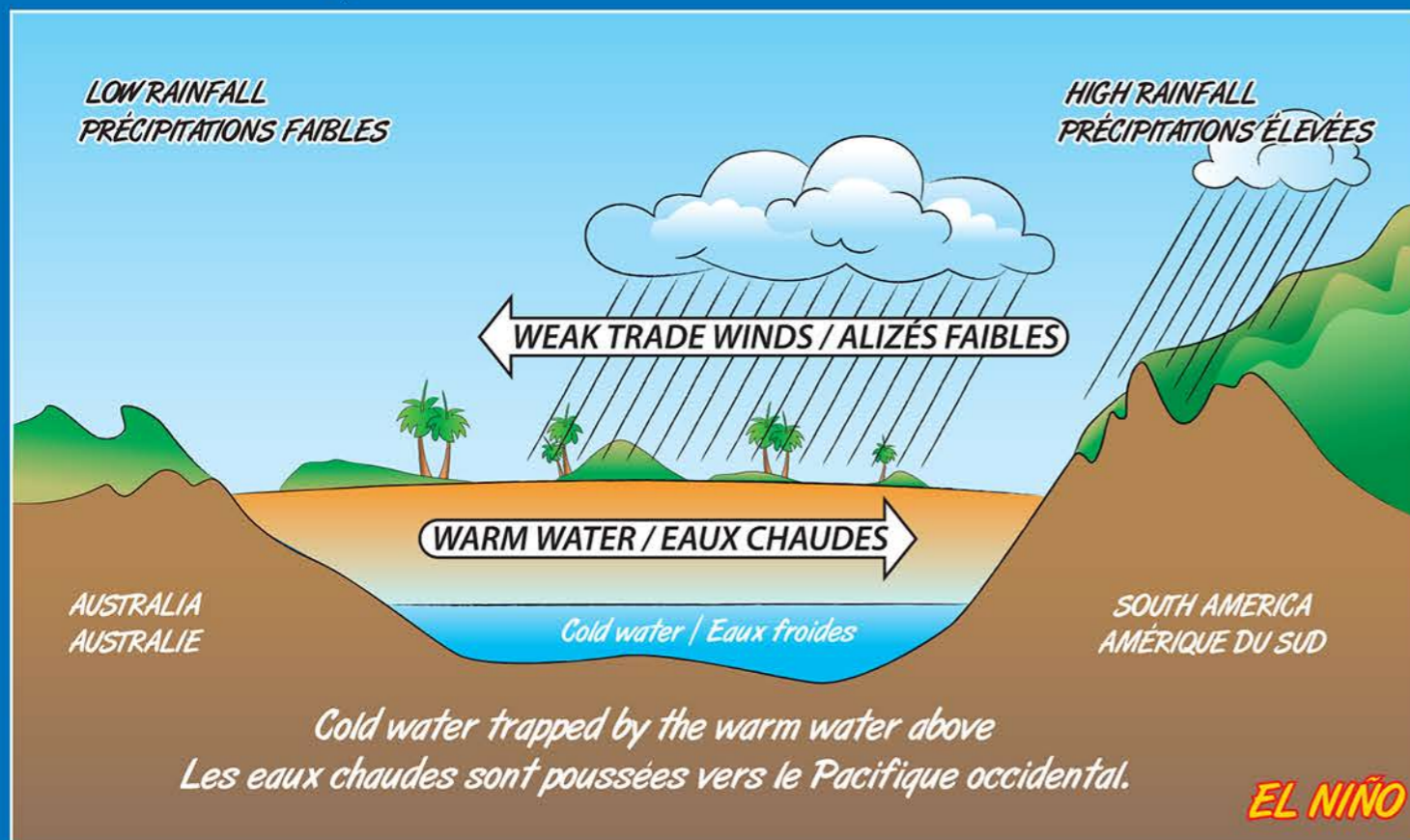
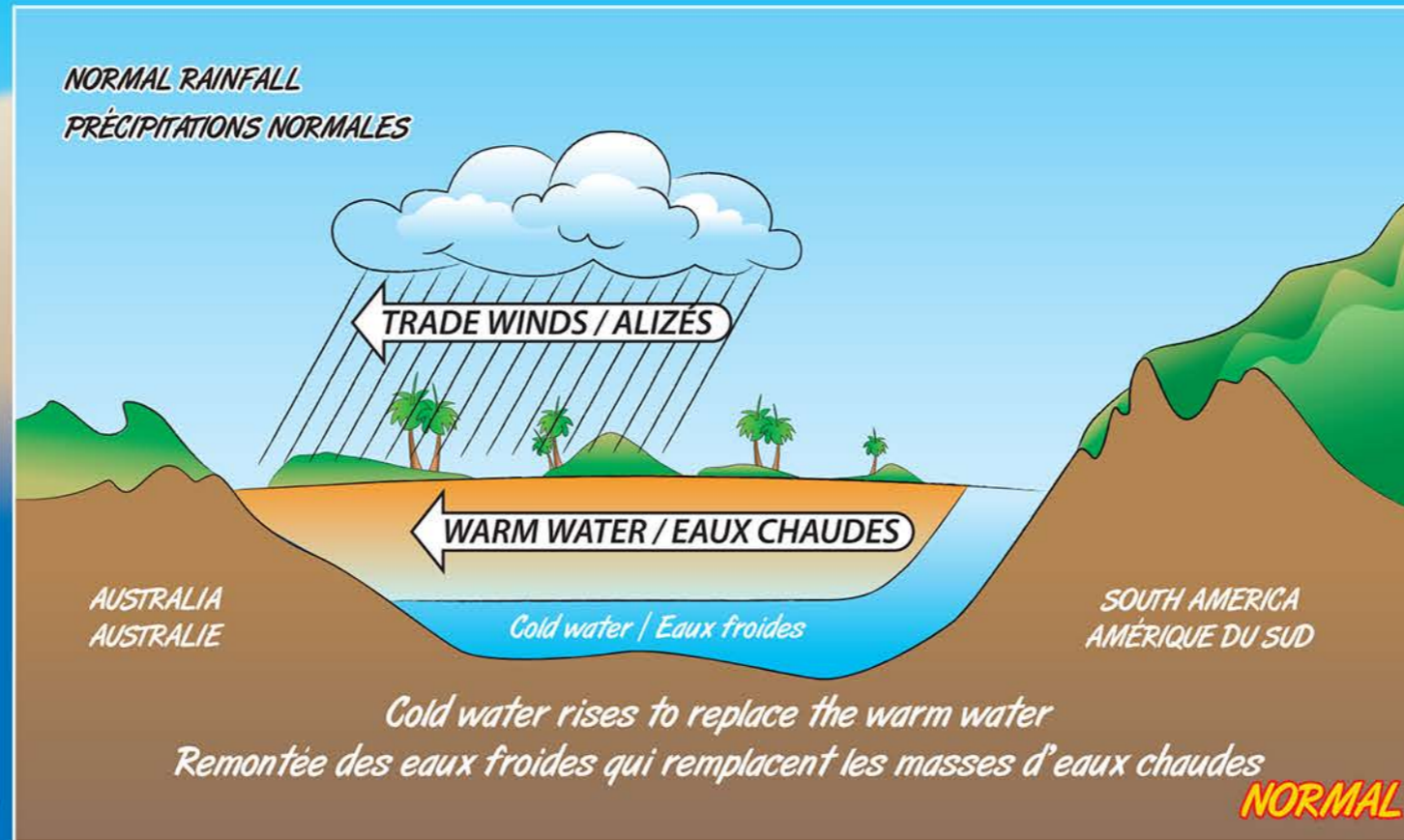
Température moyenne maximale mensuelle de l'air (en rouge), température moyenne de l'air (en noir), température minimale de l'air (en bleu), température de la mer en surface (en vert) et précipitations moyennes mensuelles (barres bleues) dans des zones clés situées dans chacun des pays partenaires. On a utilisé les données des stations de 1961 à 1990.



# 4. Global climate - Le climat mondial



# 5. El Niño Southern Oscillation (ENSO) and climate variability / Le phénomène d'oscillation australe El Niño (OAEN) et la variabilité climatique



# 6. Causes of Climate Change / Les causes du changement climatique



# 7. Interrelationships / Les liens d'interdépendance





# 8. The changing climate of Samoa



Coral during bleaching event, 2000

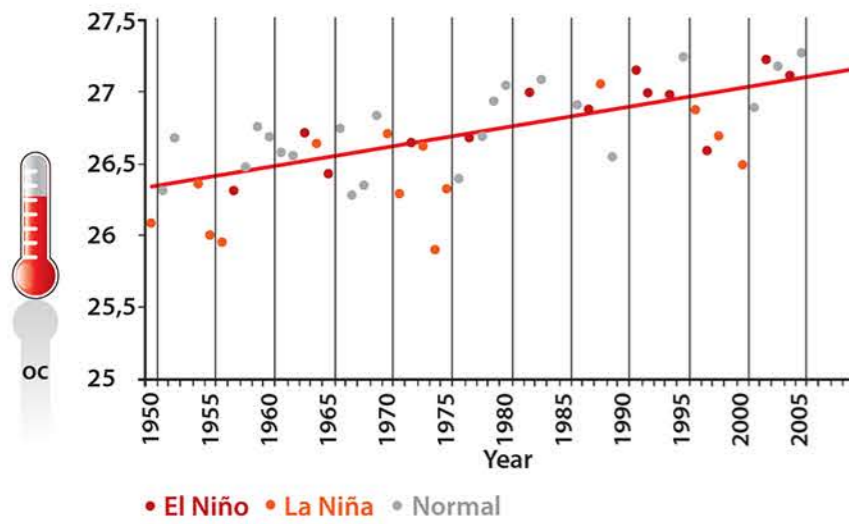


Priscilla Olano, 2012



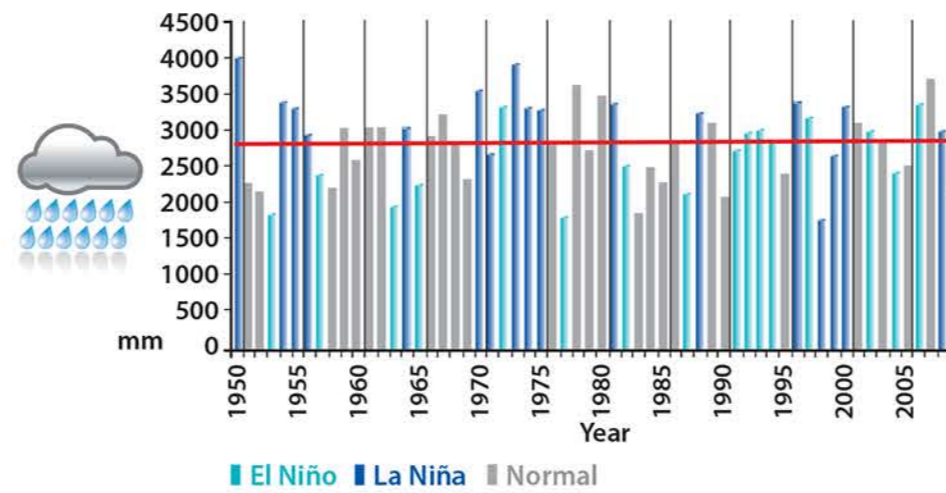
## Changing Climate:

### Average annual temperature for Apia



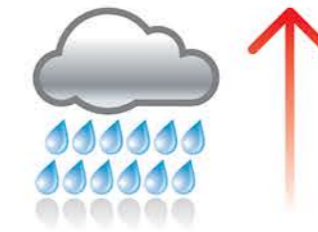
Source: ABM & CSIRO 2011

### Average annual rainfall for Apia



Decrease in dry season rainfall

## Future Climate:



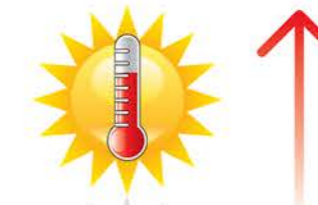
Increase in wet season rainfall



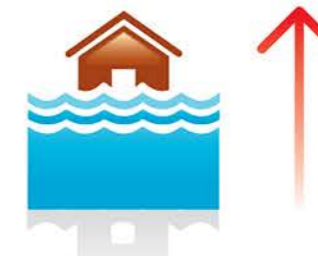
More extreme rainfall days



Increase in ocean acidification



Temperature increase and more very hot days



Sea-level rise



Cyclones less frequent but more intense

*9. Pasifika after a cyclone or severe storm /  
Pasifika après le passage d'un cyclone ou une forte tempête*



# 10. Pasifika during a drought - Pasifika après un épisode de sécheresse



# II. Mitigation and adaptation activities - Mesures d'atténuation et d'adaptation

Mitigation - Atténuation

Mitigation + Adaptation - Atténuation + Adaptation

Adaptation - Adaptation



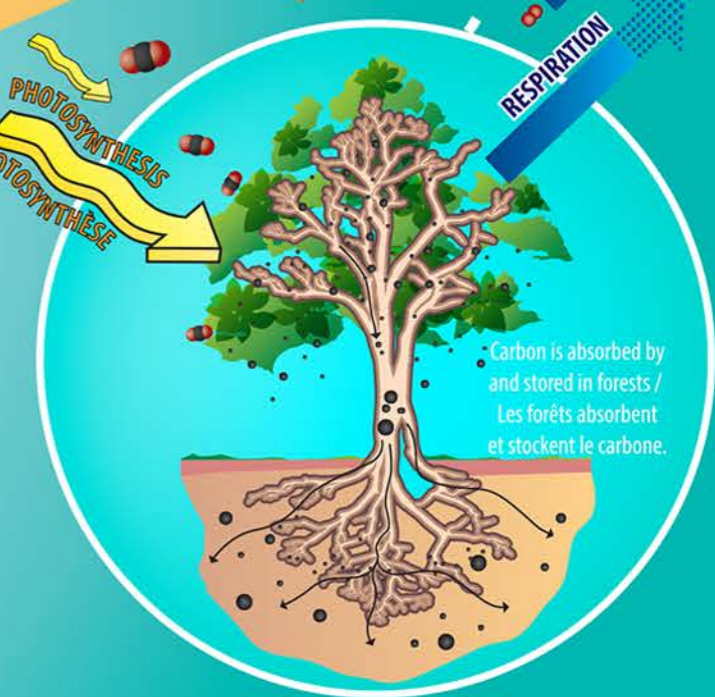
# 12. Gardening and livestock / Le jardinage et l'élevage



# 13. Forestry and agro-forestry / La foresterie et l'agroforesterie



-  CO<sub>2</sub> → Carbon dioxide / Dioxyde de carbone
-  O<sub>2</sub> → Oxygen / Oxygène
-  C → Carbon / Carbone



# 14. Fishing - La pêche







16. Pasifika with adaptations in place / Pasifika après la mise en œuvre des mesures d'adaptation

