

# Learning about climate change the Pacific way

## Étudier le changement climatique dans le contexte océanien

### A visual guide

### Guide illustré



NATIONAL ADVISORY BOARD  
on Climate Change and Disaster Risk Reduction  
GOVERNMENT OF VANUATU



Vanuatu



Source: Charles P. Jones



© Copyright Secretariat of the Pacific Community (SPC) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, 2014

All rights reserved. Requests to reproduce this material for educational, scientific or research purposes should be sent to spc@spc.int

Secretariat of the Pacific Community  
BP DS, 98848 Noumea Cedex, New Caledonia  
Tel. +687 26 20 00, www.spc.int

SPC/GIZ Coping with Climate Change in the Pacific Island Region  
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH  
P.O. Box 14041, Suva, Fiji  
Tel. +679 3305 983

Printed by Ultimo Group, Auckland, New Zealand, 2014

Secretariat of the Pacific Community Cataloguing-in-publication data  
Learning about climate change the Pacific way: a visual guide - Vanuatu  
www. www. www. Climatic changes - Vanuatu.  
Environment - Management - Vanuatu.  
Climatic changes - Management - Vanuatu.

I. Title II. Deutsche Gesellschaft für Internationale Zusammenarbeit  
III. Secretariat of the Pacific Community

577.22 AACR2  
ISBN N: 978-982-00-0678-2

Compiled by Secretariat of the Pacific Community (SPC) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) Coping with Climate Change in the Pacific Island Region (CCCPIR) program

Designers: Saula Balekaba, Jipé Le-Bars (SPC), Duane Leewai, Charles Pierce, Hanna Sabass (SPC/GIZ CCCPIR), Apenisa Tamani (SPC/GIZ CCCPIR) and Carol Young (University of Auckland)

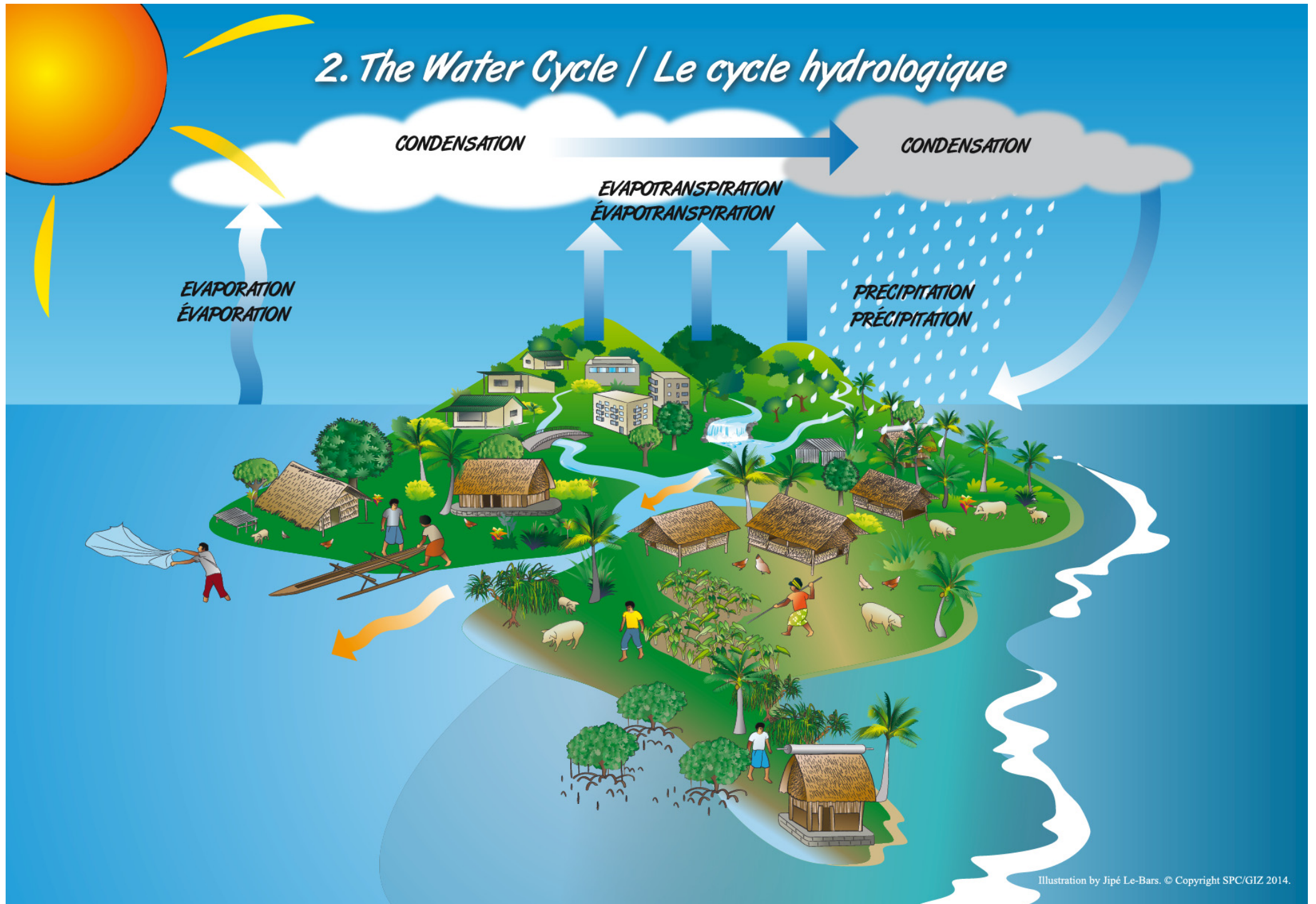
Art work by Jipé Le-Bars (SPC) & Duane Leewai

This publication was produced with funding from the Pacific-Australia Climate Change Science and Adaptation Planning (PACCSAP) program of the Australian Government; the SPC/GIZ Coping with Climate Change in the Pacific Island Region program (CCCPIR) on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ); and the SPC/USAID Vegetation and Land Cover Mapping and Improving Food Security for Building Resilience to a Changing Climate in Pacific Island Communities program.

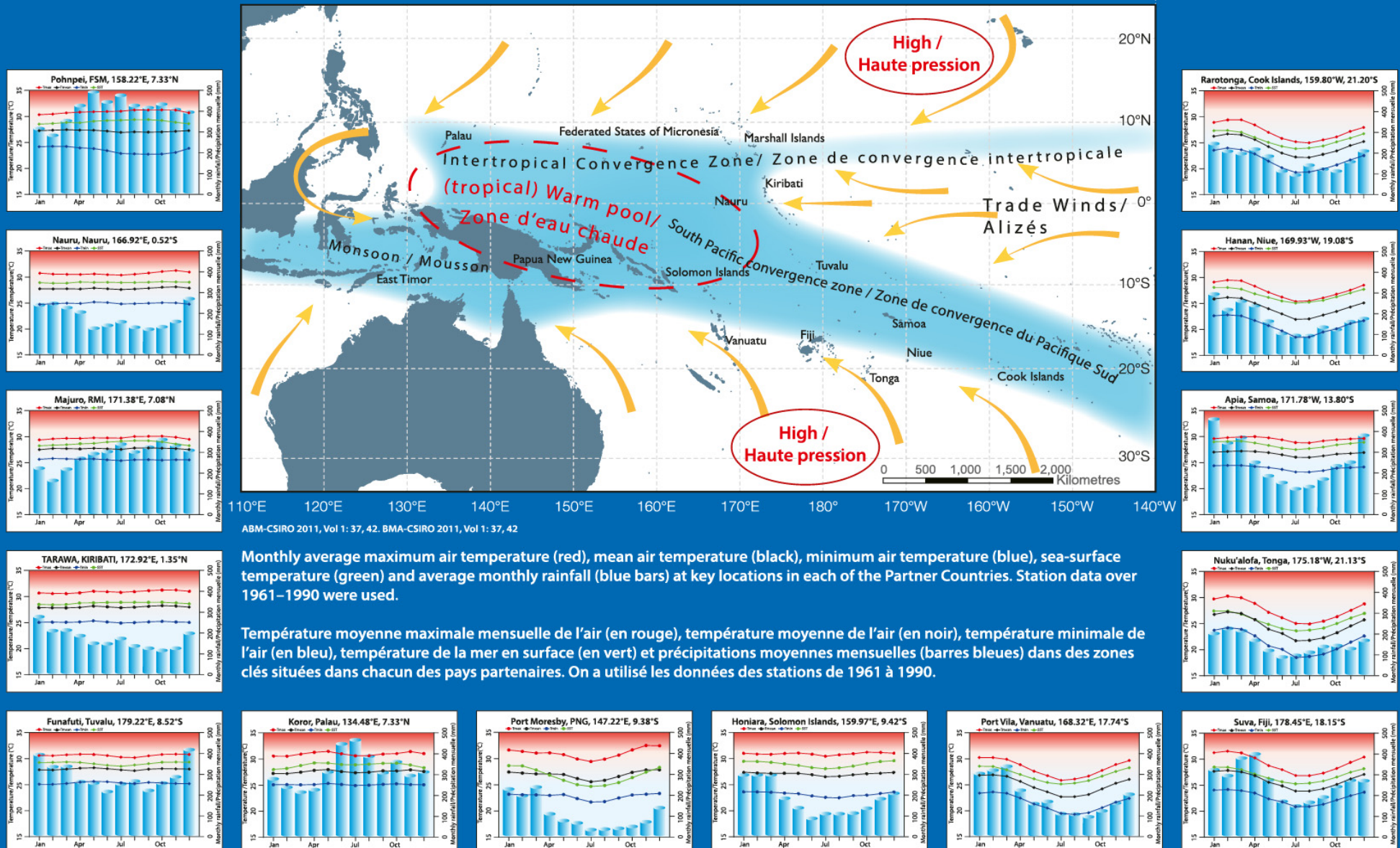
# I. Pasifika



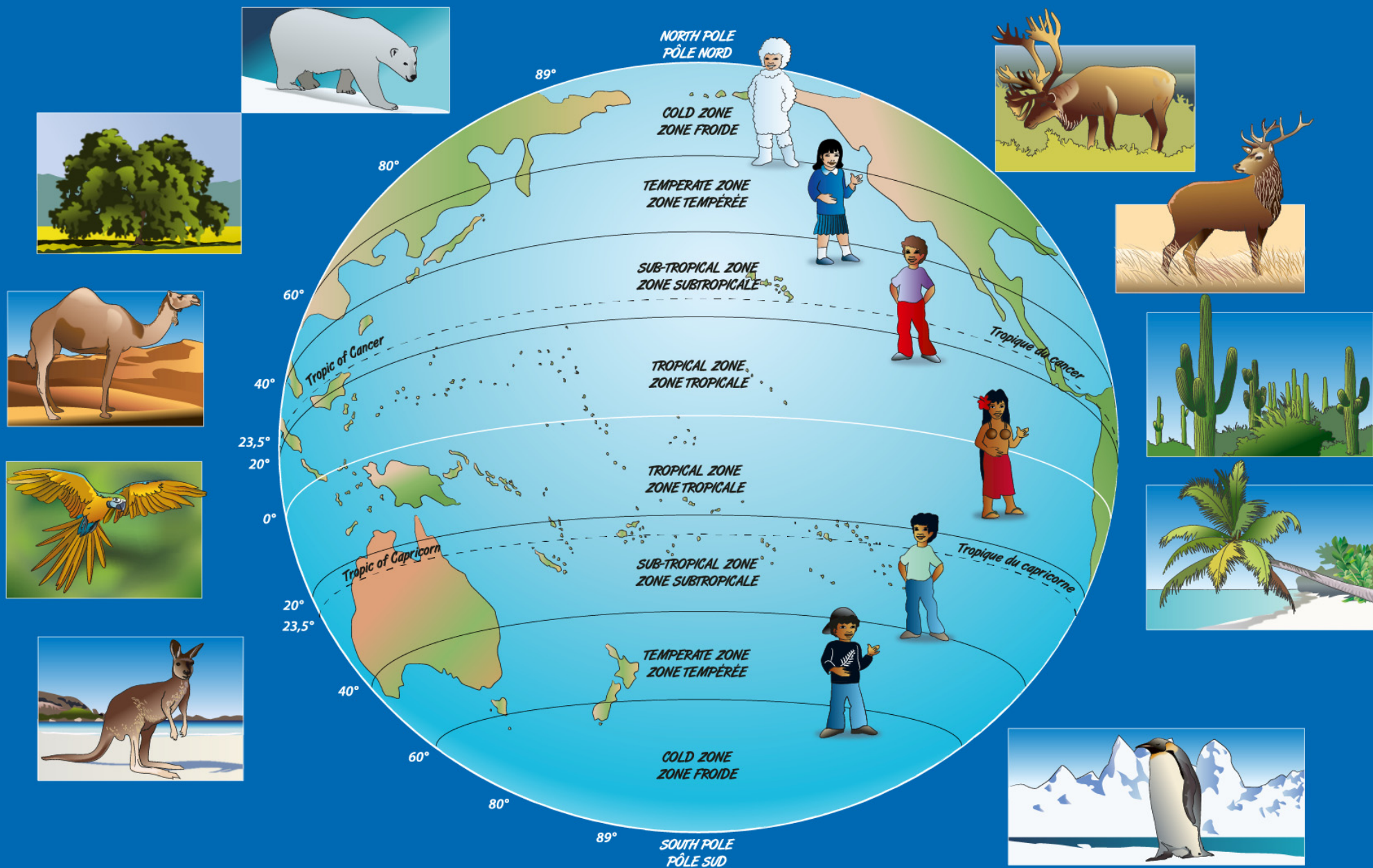
## 2. The Water Cycle / Le cycle hydrologique



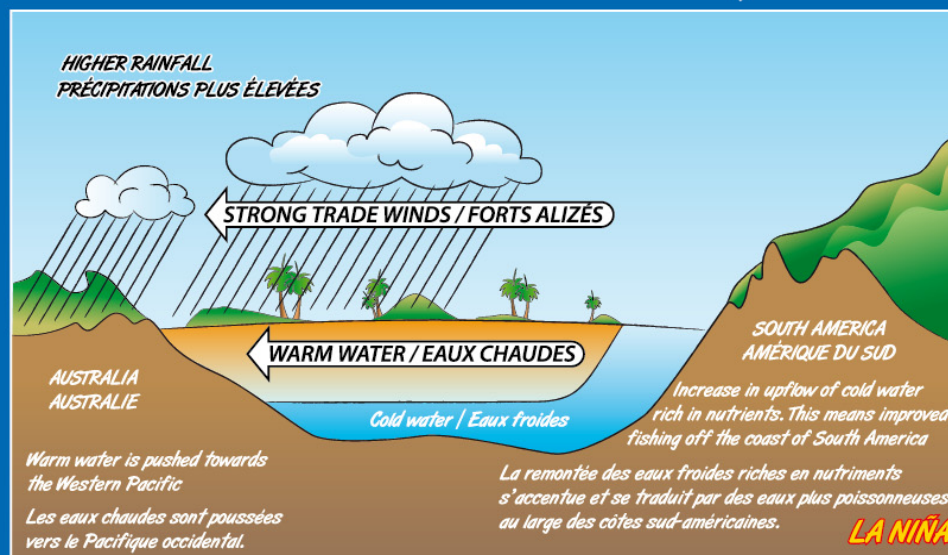
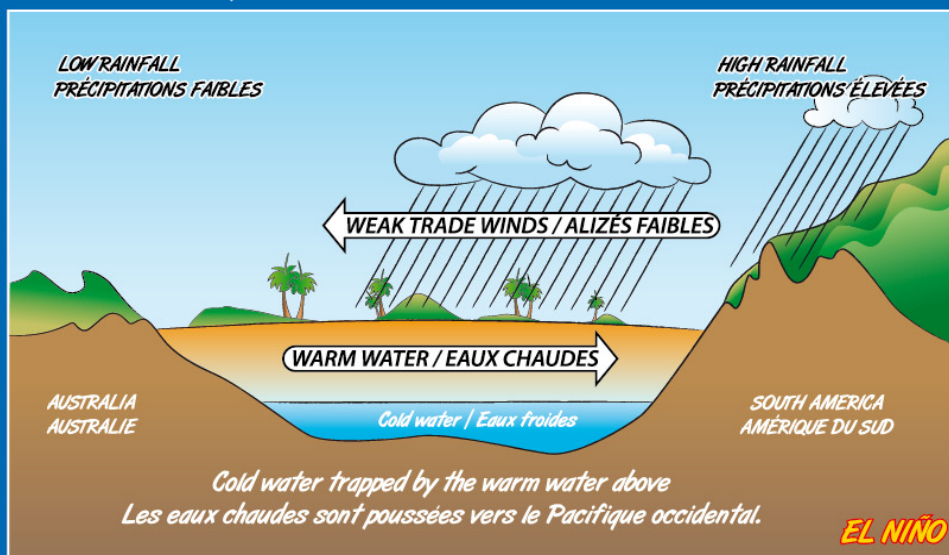
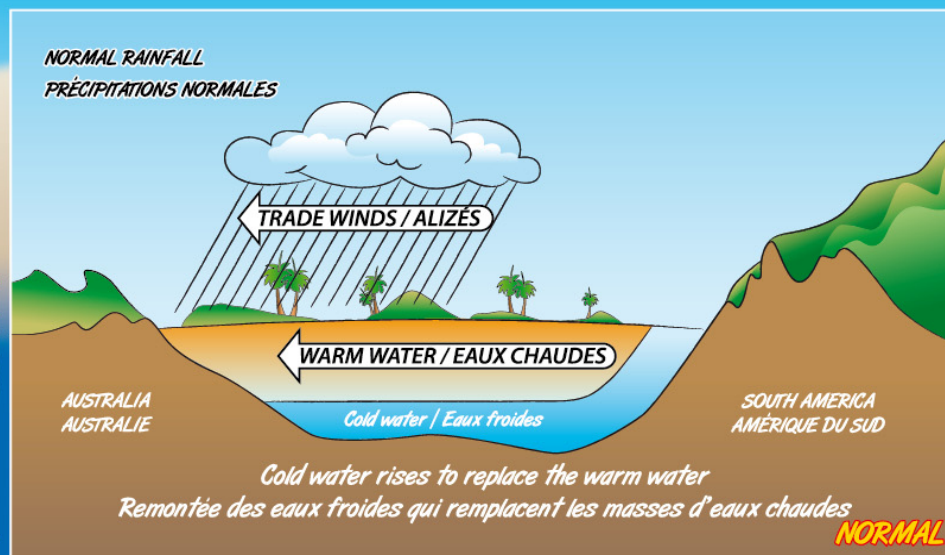
### 3. Climate in the Pacific - Le climat dans la région océanienne



## 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



Crab, parrot and small El Niño & La Niña illustrations provided with courtesy of ABM-CSIRO-RCCC 2013. Le crabe, le perroquet et les petites illustrations d'El Niño et La Niña sont reproduites avec l'aimable autorisation d'ABM- CSIRO-RCCC 2013

Illustration by Jipé Le-Bars. © Copyright SPC/GIZ 2014.

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



## 7. Interrelationships / Les liens d'interdépendance



## 8. The changing climate of Vanuatu - L'évolution du climat à Vanuatu



Flooded gardens © Christopher Bartlett, SPC/GIZ CCCPIR :  
Jardins Inondés © Christopher Bartlett (CPS/GIZ CCCPIR)



Flood in Malekula, © Christopher Bartlett, SPC/GIZ CCCPIR :  
Inondation à Malekula © Christopher Bartlett (CPS/GIZ CCCPIR)



Coastal erosion, © Charles Pierce:  
Érosion du littoral © Charles Pierce



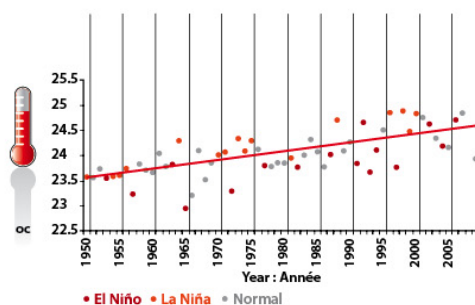
Flooding in Port Vila © SPC SOPAC :  
Inondation à Port-Vila @ Division SOPAC de la CPS



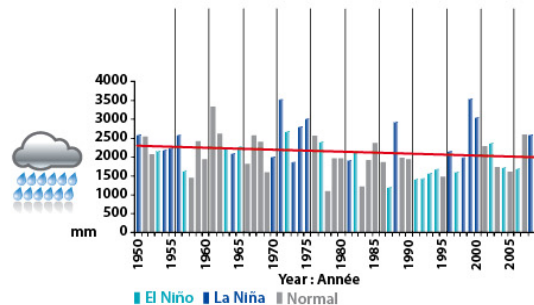
Cyclone damage, © SPC SOPAC :  
Dégâts provoqués par un cyclone @ Division SOPAC de la CPS

### Changing Climate - Évolution du climat:

Average annual temperature for Port Vila  
Températures moyennes annuelles à Port-Vila



Average annual rainfall for Port Vila  
Précipitations moyennes annuelles à Port-Vila



Source: ABM & CSIRO 2011



### Future Climate - Climat futur:

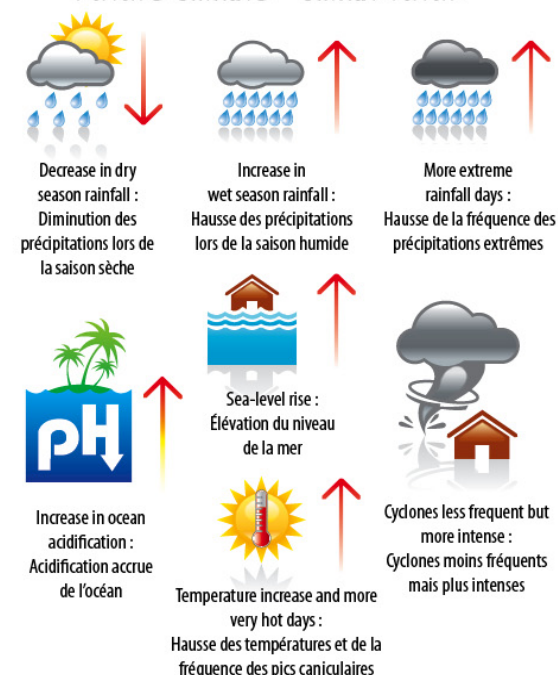


Illustration by Jipé Le-Bars. © Copyright SPC/GIZ 2014.

*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



# 11. 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



## 14. Fishing - La pêche





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

