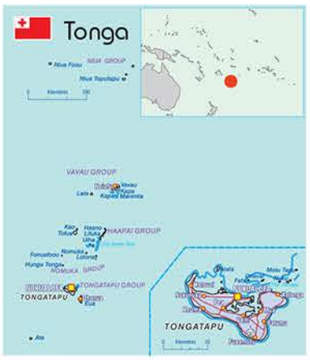
Learning about climate change the Pacific way

A visual guide



Tonga

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Secretariat of the Pacific Community
BP D5, 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 - Tonga
Climatic changes —Tonga.
Environment — Management — Tonga.
Climatic changes — Management — Tonga.

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

577.22 AACR2
ISBN: 978-982-00-0690-4

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 Baleikaba, 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

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2. The Water Cycle / Le cycle hydrologique

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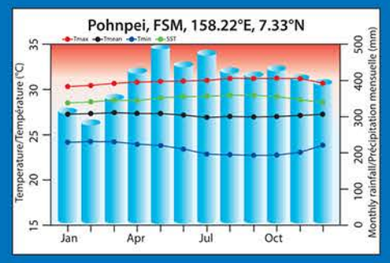
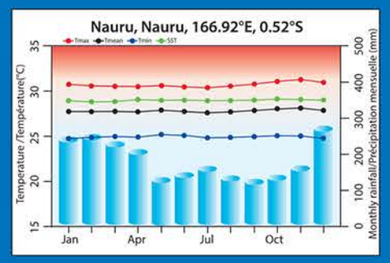
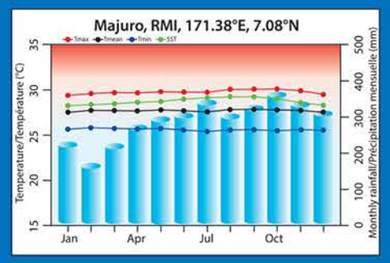
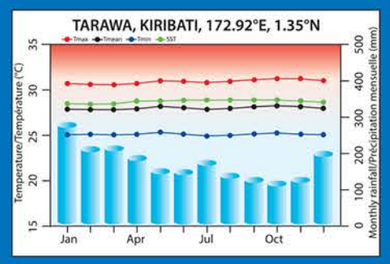
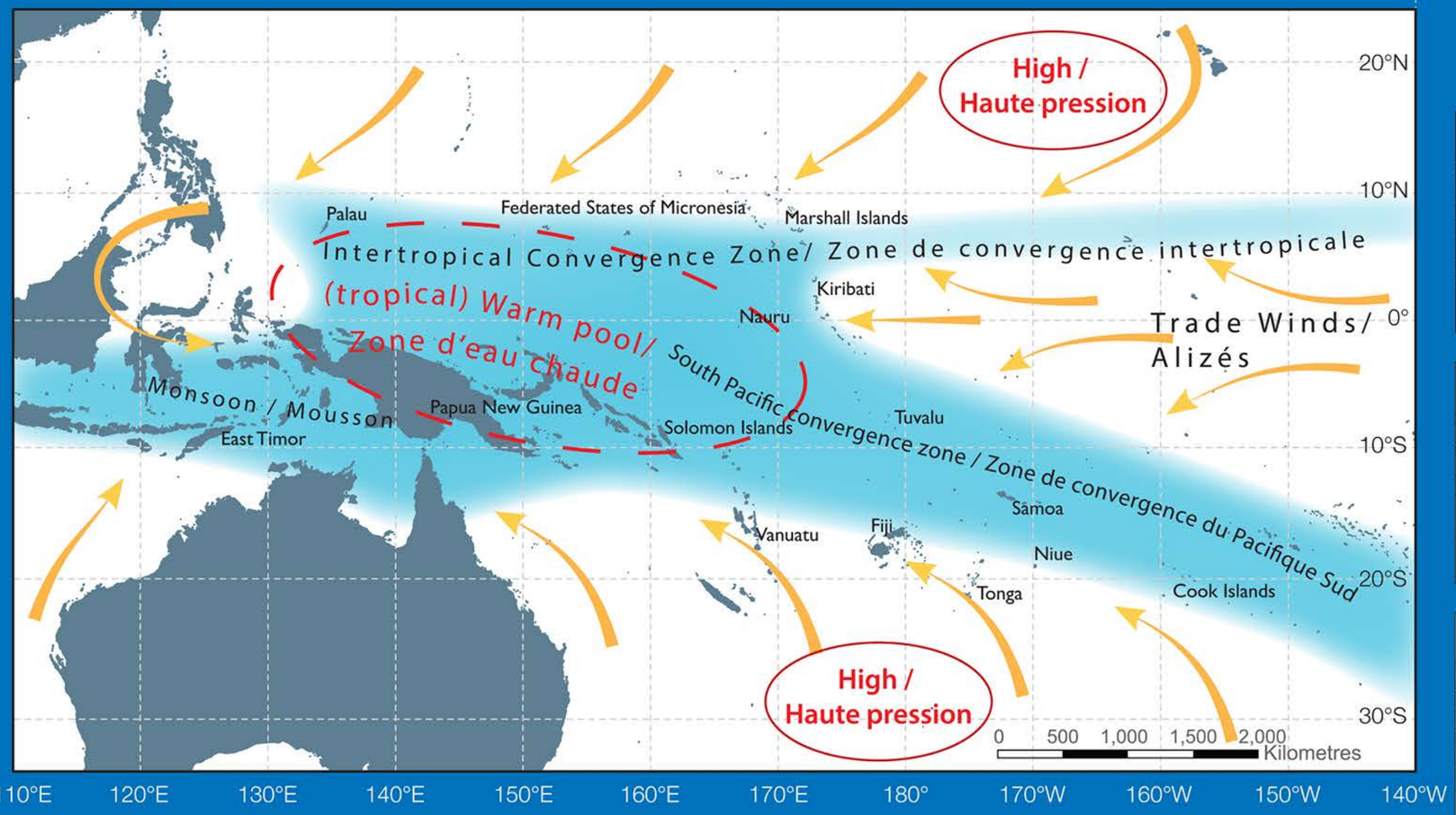
3. Climate in the Pacific - Le climat dans la région océanienne



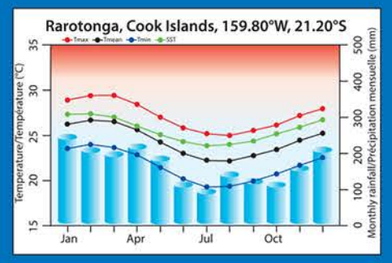


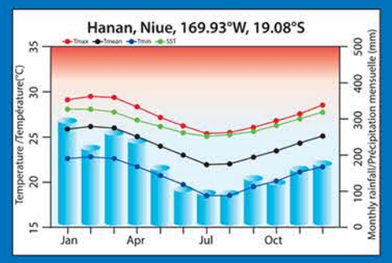


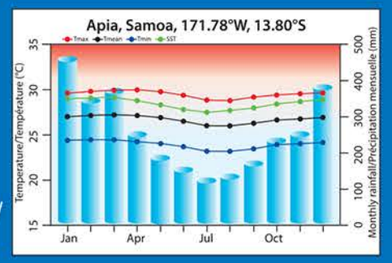


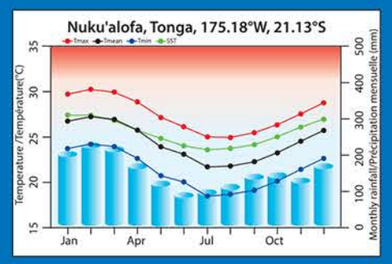


ABM-CSIRO 2011, Vol 1: 37, 42. BMA-CSIRO 2011, Vol 1: 37, 42



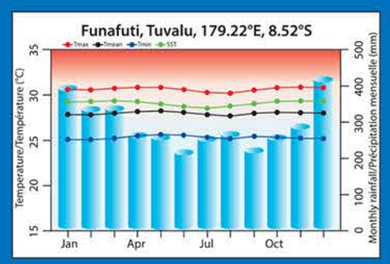


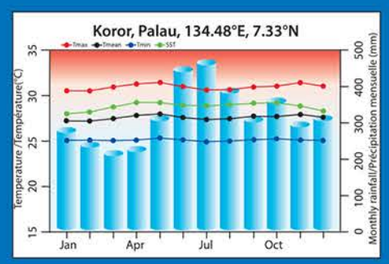


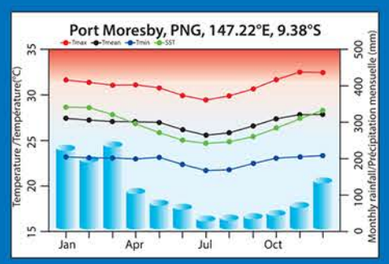


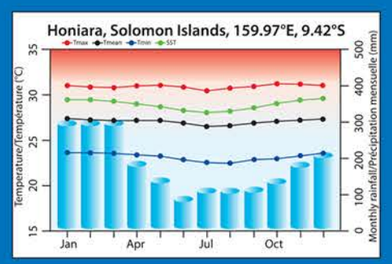
Monthly average maximum air temperature (red), mean air temperature (black), minimum air temperature (blue), sea-surface temperature (green) and average monthly rainfall (blue bars) at key locations in each of the Partner Countries. Station data over 1961–1990 were used.

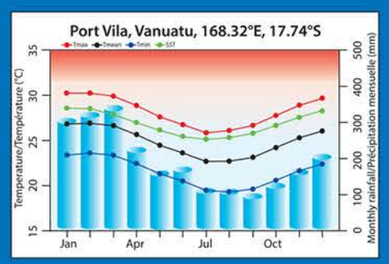
Température moyenne maximale mensuelle de l'air (en rouge), température moyenne de l'air (en noir), température minimale de l'air (en bleu), température de la mer en surface (en vert) et précipitations moyennes mensuelles (barres bleues) dans des zones clés situées dans chacun des pays partenaires. On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

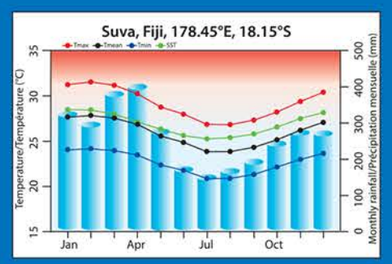












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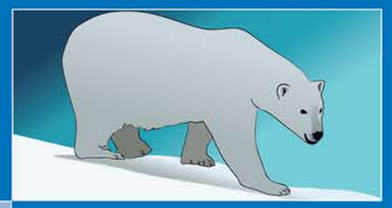
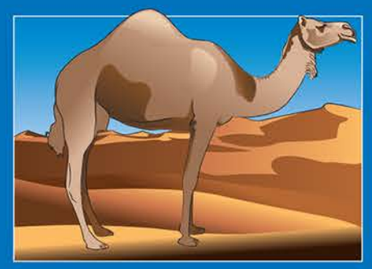
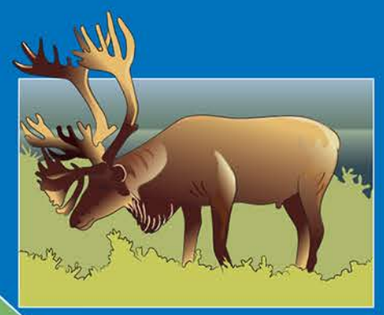
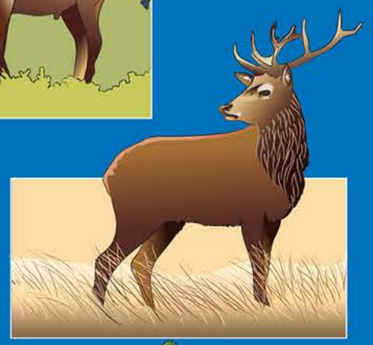
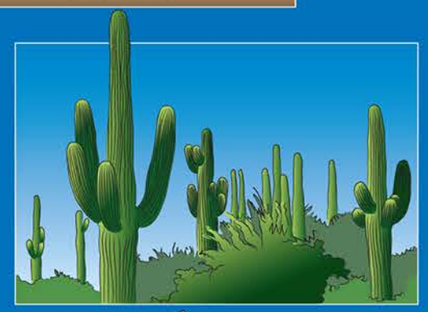
4. Global climate - Le climat mondial

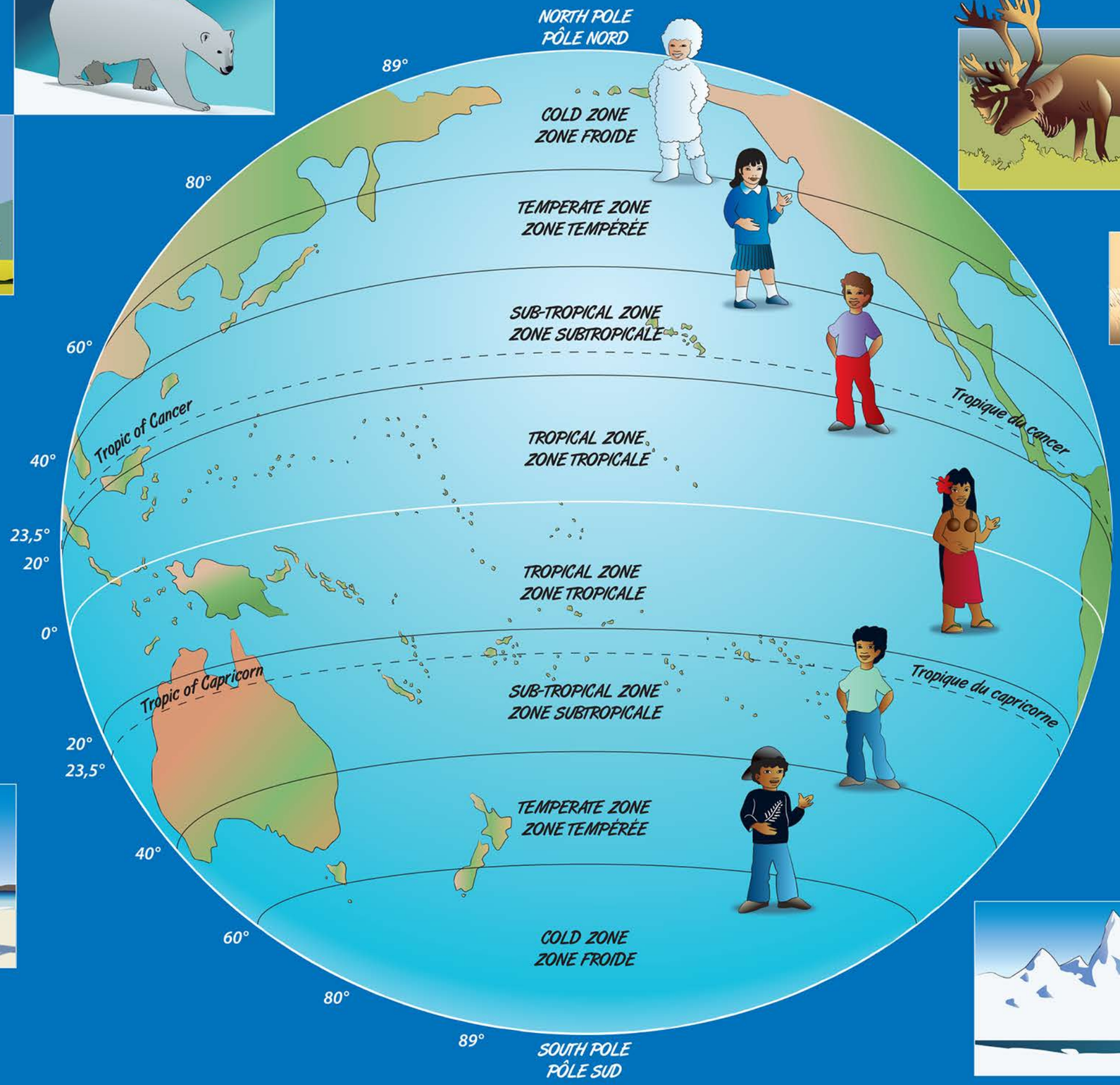












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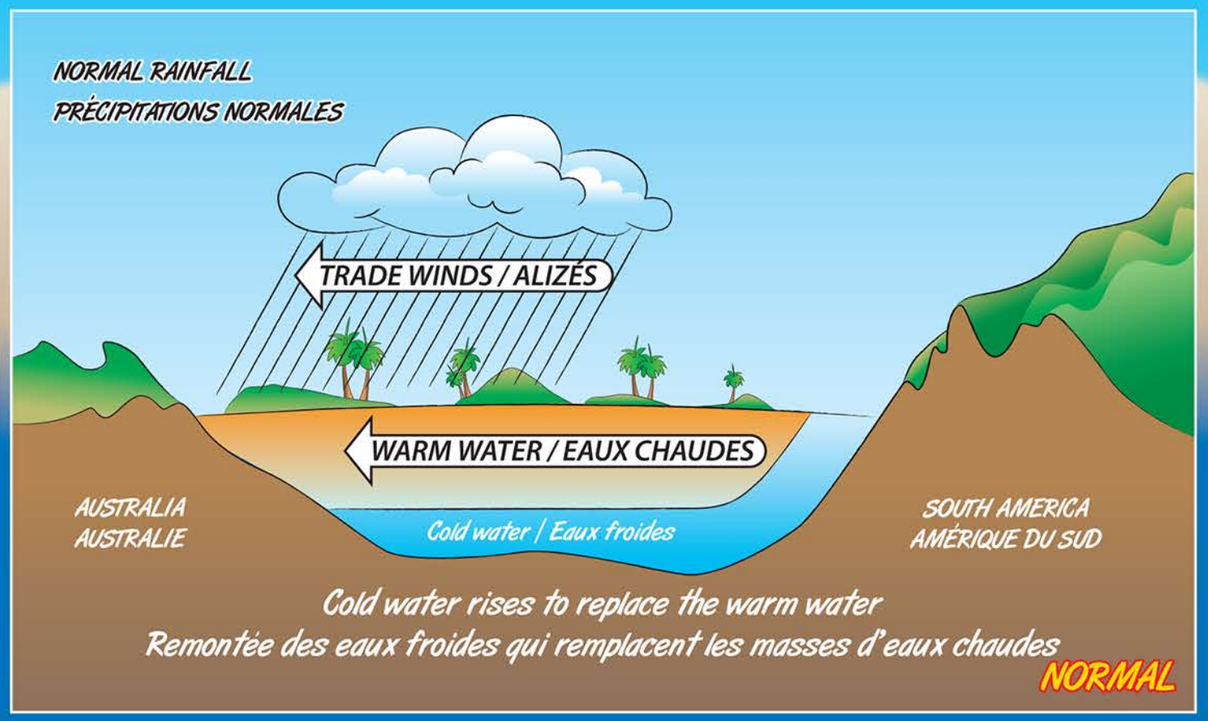
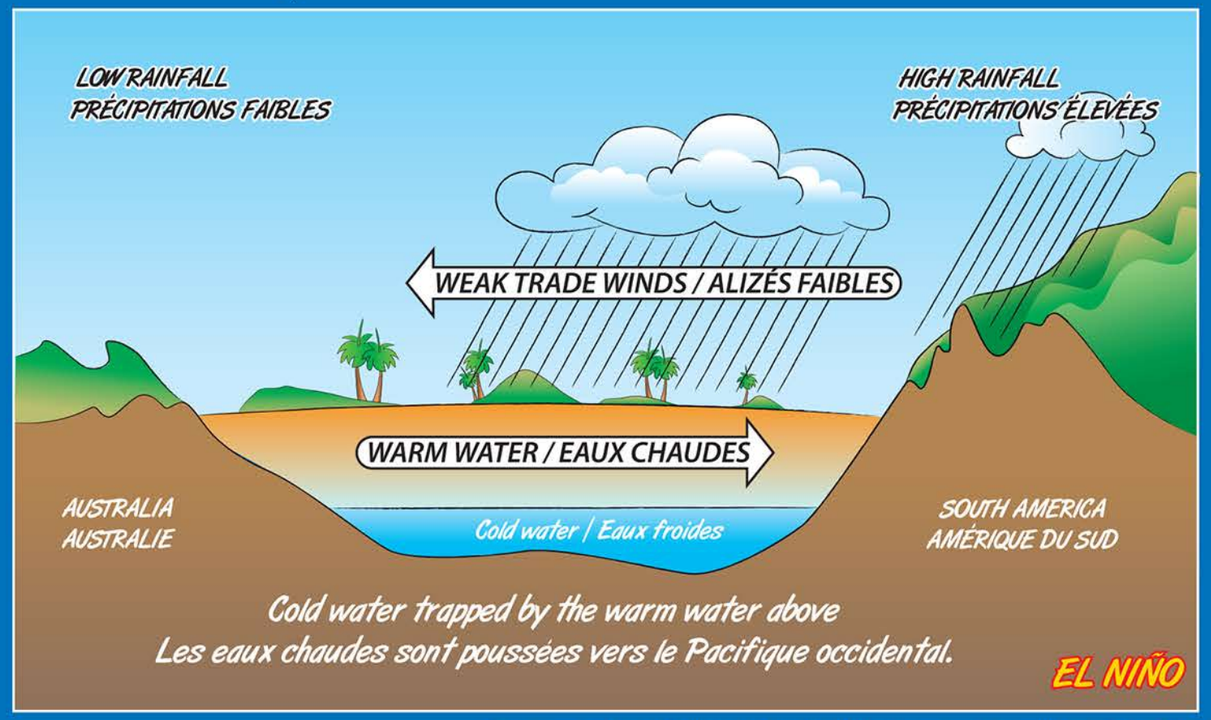
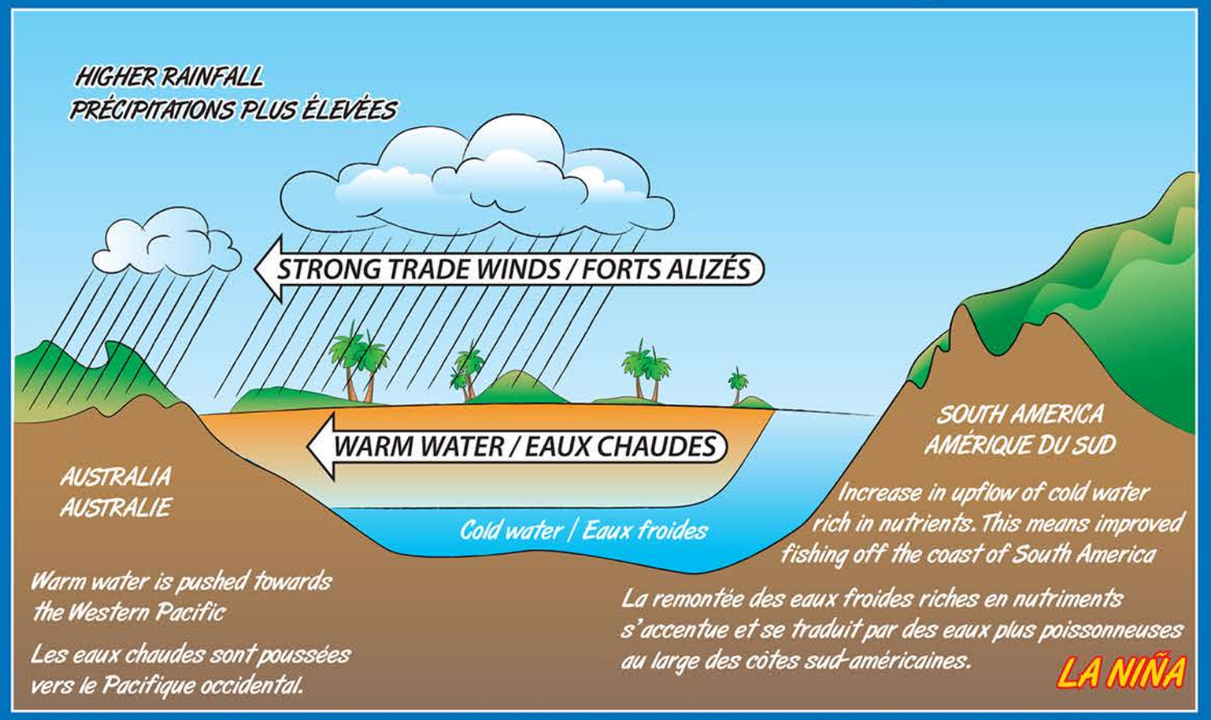
5. El Niño Southern Oscillation (ENSO) and climate variability / Le phénomène d'oscillation australe El Niño (OAEN) et la variabilité climatique







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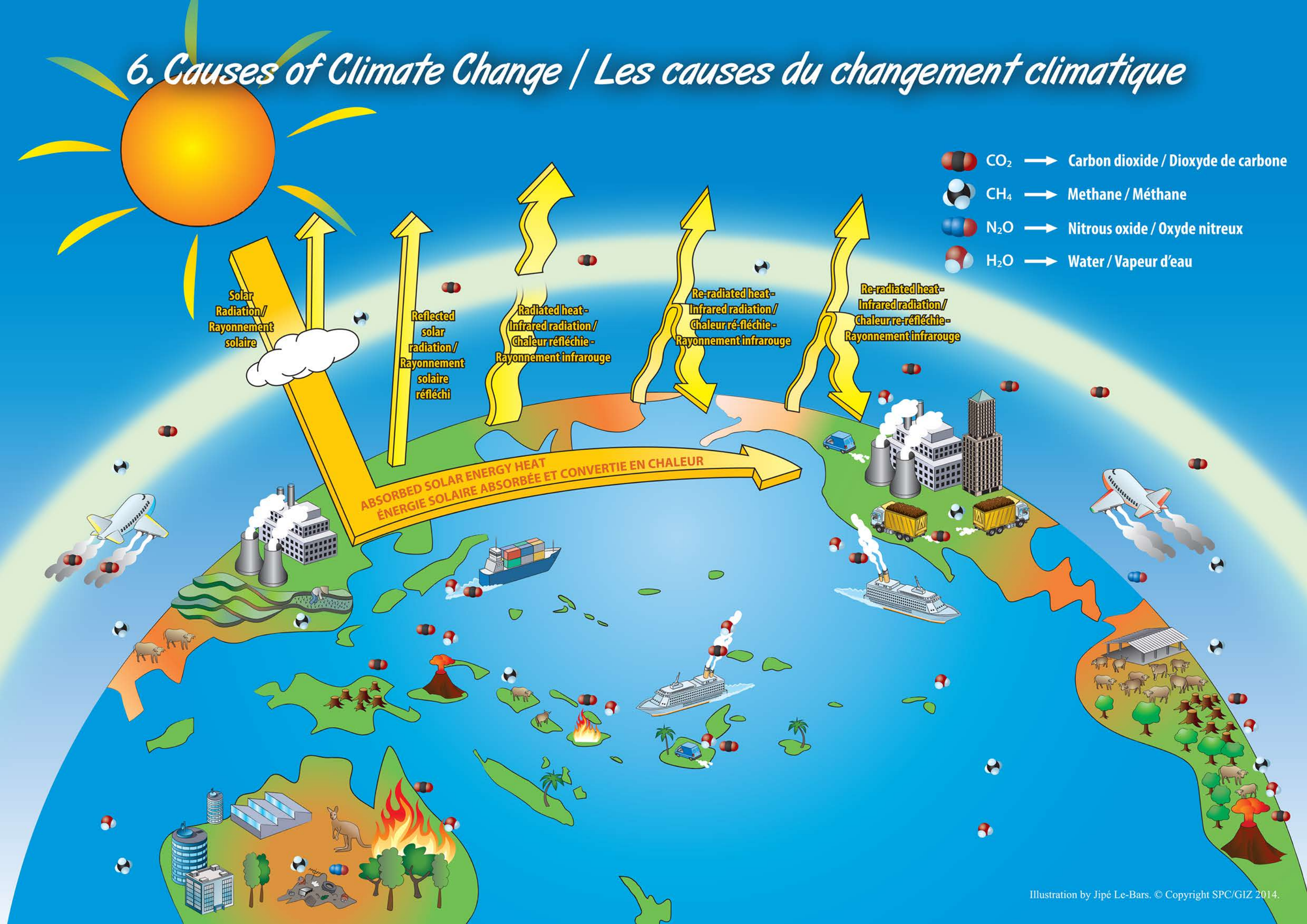
Crab, parrot and small El Nino & La Nina illustrations provided with courtesy of ABM-CSIRO-RCCC 2013. Le crabe, le perroquet et les petites illustrations d'El Niño et La Niña sont reproduites avec l'aimable autorisation d'ABM- CSIRO-RCCC 2013

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



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7. Interrelationships / Les liens d'interdépendance

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8. The changing climate of Tonga

Flooding at Tupou high school, Vaololoa, 2013

The hospital fence in the sea, Lifuka, Ha'apai NEMO, MOW, 2009

Coastal erosion, Lifuka Ha'apai, NEMO, MOW, 2009.

Coral bleaching, 2000

Flooding at high school, February-March, 2013

Flooding at Vaololoa rugby field, February-March, 2013

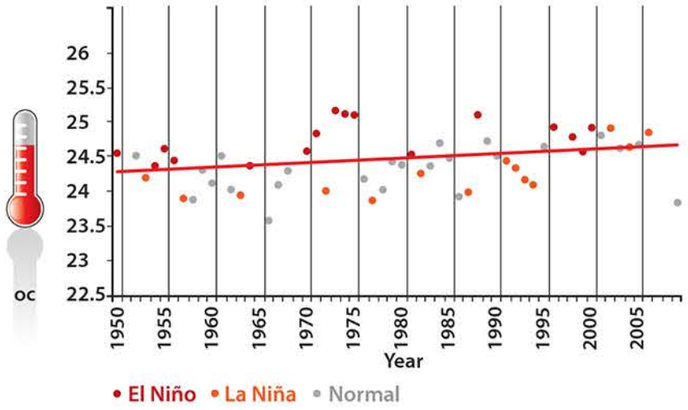
Stunted sweet potatoes during a drought, MAFF 2007.

A house destroyed by Tropical Cyclone Rene, 2010, SNC Project Tonga, 2010

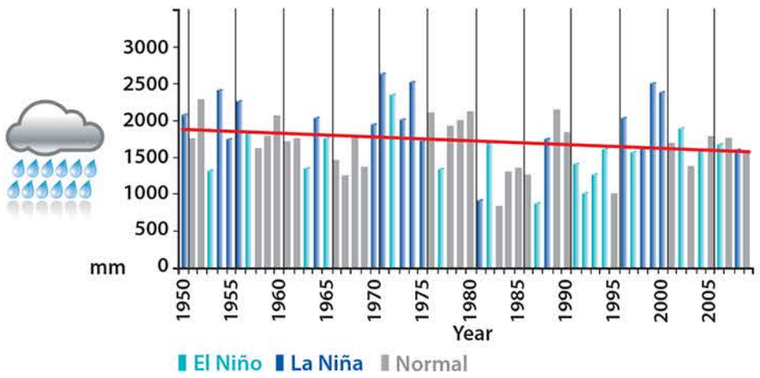
Destruction of coastal road and tree during Tropical Cyclone Rene, 2010, SNC Project Tonga, 2010

Changing Climate:

Average annual temperature for Nuku'alofa

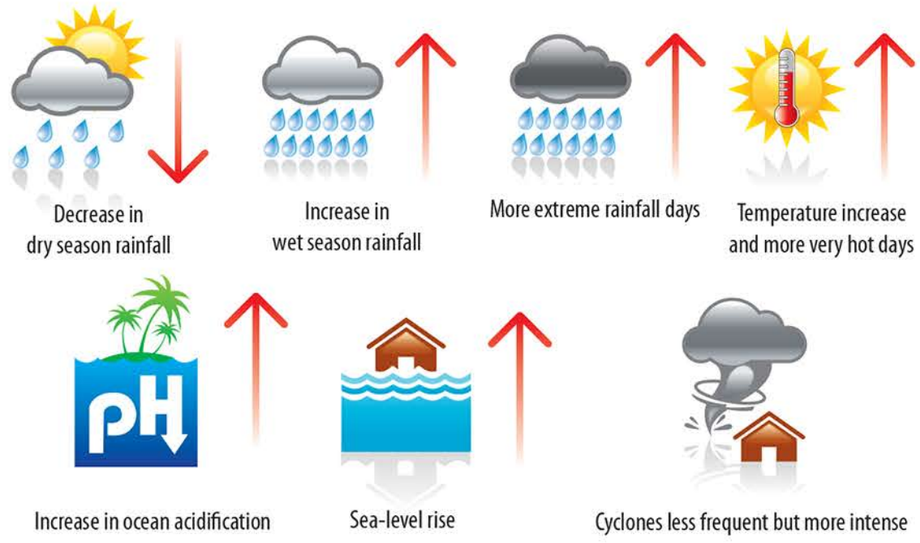


Average annual rainfall for Nuku'alofa



Source: ABM & CSIRO 2011

Future Climate:



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

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

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

Mitigation - Atténuation | Mitigation + Adaptation - Atténuation + Adaptation | Adaptation - Adaptation

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

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

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14. Fishing - La pêche

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15. The town – La ville

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

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