



VANUATU CLIMATE CHANGE AND DISASTER RISK REDUCTION

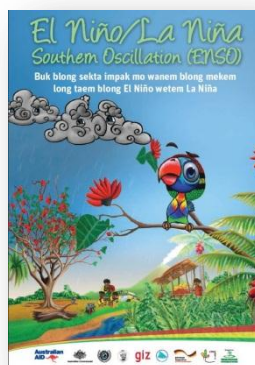
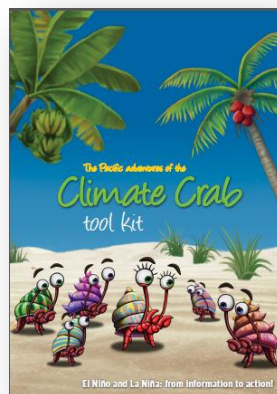


LESSONS LEARNED AND BEST ADAPTATION PRACTICE PROFILE

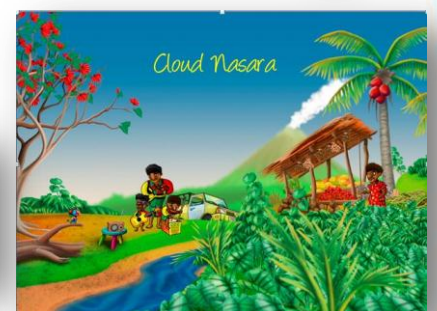


COMMUNICATING CLIMATE SCIENCE AND PREPAREDNESS IN THE PACIFIC

El Nino & La Nina Short Animated Films (Produce Science to Solutions)

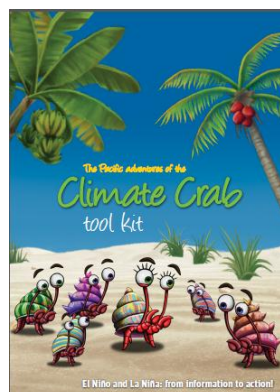


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PROJECT BRIEF |

Two short comical animation films are being developed as communication tools. One film gave an overview of climate processes and impacts in the Pacific region as a whole. The other film was specifically focused on Vanuatu, developed in culturally significant and targeted ways to help communicate complex climate information to relevant practitioner audiences. They are accompanied by a comprehensive 'tool kit' which include resources to help facilitators link the information presented in the animation to decision making and action.



PROJECT DURATION |

June 2012 – June 2013

LOCATION(S) COVERED |

Pacific Region & Vanuatu

FUNDING |

Australian AID

PARTNERS/COOPERATING ORGANIZATIONS|

Implementing Agencies: Vanuatu Meteorology & Geo-hazards (VMGD), CSIRO/Bureau of Meteorology (BoM), Australia
Other Agencies: SPC-GIZ, Australian and Vanuatu Red Cross Society

OBJECTIVES & GOALS |

These animation films aims to increase awareness of the science and impacts of climate variability in the Pacific, and to provoke discussion around how communities can access forecast information and take 'low regrets' actions to prepare for future El Niño and La Niña events and adapt to climate change.

Understanding the potential implications of climate events such as ENSO (El Niño Southern Oscillation) and climate change can enable Red Cross and other stakeholders to initiate

preparedness measures *before* an event occurs rather than respond afterwards.

The first short animation would be regionally-relevant to be used in countries and by regional bodies across the Pacific. The Cloud Nasara Vanuatu film, produced in partnership with multiple local agencies, described localized climate change, variability and extreme impacts as well as locally relevant and technically sound adaptation and preparation strategies.

STRATEGIES & PROCESSES/METHODS |

The Pacific animation project was implemented through an eight-step approach:

1. **Research and concept development Phase:** This includes initial communication science and end user research conducted by CSIRO/BoM and VMGD
2. **Technical validation of ENSO adaptation and response actions-** led by SPC-GIZ in partnership with the VMGD, the NDMO and Vanuatu Red Cross Society.
3. **Research to reality workshop:** The Vanuatu Meteorological Service and the Climate Centre in Vanuatu hosted a workshop that brought together BoM/CSIRO scientists, a Pacific artist and an animator together with a selected group of stakeholders from different sectors in Vanuatu to build the story board concept for the animation.
4. **Initial Production Phase:** CSIRO and BoM worked with a producer, animator and artist to ensure scientific accuracy to develop script and key character animation.
5. **Product testing and consultation phase:** stakeholders and end users were consulted on key character animation and story concept via small focus groups,



email consultation or opportunities at local and regional networks and forums. At the Vanuatu level, piloting was undertaken by a range of stakeholders working in the CC sector including NGOs, government agencies, faith-based groups and development partners.

6. **Final development phase:** based on feedback and consultations, a final version of the animations and workshop materials were developed.
7. **Recommendations and evaluation:** feasibility of further studies/scaling up animations in other Pacific countries

- **Erosion control**

Image: (SPC-GIZ 2012) Pele Island, Vanuatu.

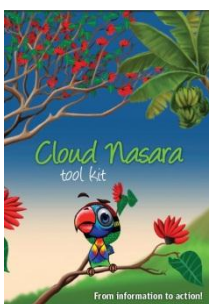
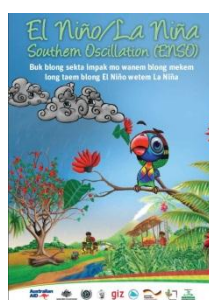


- **Education and radio advisories**

Image: Funafuti, Tuvalu

RESULTS |

The films and accompanying resources are useful for organisations, government, schools, and community groups in Pacific countries and by regional bodies across the Pacific and may assist those working in areas such as disaster risk management, health, food security, community planning, and environmental protection.



PLAN & SUSTAINABILITY |

Working with SPC-GIZ, all schools around the region will receive copies of these resources for their use.

The Climate Centre sees this as a model with potential to learn from and scale up to other regions of the world including Africa, Americas and Asia.

Ongoing monitoring and where necessary future films to capture other aspects of weather & climate adaptation learning.

BEST PRACTICES

Some 'best practice' examples of early action from across the Pacific:

- **Cyclone season preparedness**

Image: (Red Cross 2012) Mangaia, Cook Is.,



- **Food preservation**

Image: (PACC, SI), Honiara, Solomon Is.



- **Hazard mapping and community profiling**

Image: (Red Cross 2012), Viti Levu Fiji



LESSONS LEARNED |

- Limited time frame
- Wide consultation with a diversity of stakeholders
- The importance of simplifying the language so everyone can understand – not using technical terms
- Allowing a lot of time for translation and checking. Always get a scientist to triple check the concept
- Having a diverse resource skills and focus within the project team is a bonus



For more information



www.pacificclimatechangescience.org/climatecrab *

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For more information on weather, climate, forecasts and warnings, contact Vanuatu Meteorology & Geo-hazards Department (VMGD) www.meteo.gov.vu .

For more information on disaster preparedness actions, contact the

National Disaster Management Office (NDMO).

The Vanuatu Red Cross Society can also help you with information and advice about disaster preparedness and taking early action.

Project Contact:

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This project is a collaboration between Red Cross and the Australian Government's Pacific-Australia Climate Change Science and Adaptation Planning (PACCSAP) Program. The project was implemented by the Red Cross, the Australian Bureau of Meteorology, the Commonwealth Scientific and Industrial Research Organisation (CSIRO), the Vanuatu Meteorology and Geo-hazards Department (VMGD) and the SPC-GIZ Climate Change Program. The publishing and printing of this profile is possible through European Financial assistance through its GCCA funds via NAB's PMU, VMGD.

