



# VITAL HARBOURS OF MANGAIA

## - COOK ISLANDS

# RAINWATER HARVESTING TANK

## - NIUE

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### PROGRAM

**Apia, Samoa 03 September 2014**

**Conference Room 1, Manono Media Centre,**

**SIDS Venue, Tuanaimato, Apia**

### INTRODUCTION

The Pacific Adaptation to Climate Change (PACC) program is the largest climate change adaptation initiative in the Pacific Region, with activities in 14 countries and territories so PACC is building a coordinated and integrated approach to climate change challenge through three main areas of activities, practical demonstration of adaptation measures, driving the mainstreaming of climate risk into national development planning and activities. The goal of the program is to reduce vulnerability and to increase adaptive capacity in three development sectors: coastal management, water resource management, and food security & food production. PACC is also aimed at building and sharing knowledge that can replicate successful models.

### Mangaia Harbour

The event aims to launch the movie documentary 'Vital Harbour' - the 4th instalment in the Pacific Adaptation to Climate Change (PACC) project 'Vital' Series of documentaries. From the largest climate change adaptation project in the Pacific region, 'Vital Harbour' showcases how the outer island of Mangaia, the most southern of the Cook Islands, addressed its one and only harbour - to be able to withstand future climate projections. One of the most interesting twists that 'Vital Harbour' portrays in this short film is how gender and climate change issues are addressed and what this

means for other SIDS. The event will open up to a panel discussion of experts from the grass roots community, government, and partner agencies discussing what the interventions here mean for other small island states, hard to reach 'outer' islands within SIDS.

The filming of Vital Harbour on Mangaia island was possible with support from the Mangaia Island Government, the Government of Cook Islands, Government of Australia, SPREP, UNDP and GEF. In-kind program support was also provided by the Government of New Zealand.

## **Niue Rainwater Harvest**

Niue is a single island of raised limestone, of area approximately 260 km<sup>2</sup>, and has no surface water. The population of about 1,600 has been mainly relying on groundwater pumped from the underground lens for its freshwater. The PACC project sought an alternative water source, and identified rainwater harvesting as the most promising. Indeed, in the past the people of Niue harvested rainwater, but the systems had deteriorated and were no longer functional. A process of research, consultation and analysis led to the decision to build a tank moulding facility and begin manufacturing water tanks in Niue.

In partnership with the European Union Global Climate Change Alliance Pacific Small Island States (EU GCCA:PSIS) program, the new moulding facility was opened in December 2013. The facility is capable of producing up to eight 5,000 litre tanks each day. The tanks are made of a robust plastic called high-density polyethylene (HDPE), which is imported in powder form before it is processed and moulded into tanks. The tanks are lightweight, there are no joints that can split, and the plastic material complies with New Zealand and Australian safety standards. Properly maintained, the tanks will last for many decades. Tanks are now at half the price of importing them, the indirect impact results will be further resilience to the people and environment by reducing dependence on imports.

## **OBJECTIVES**

- To share the lessons learned and best practices from the Cook Islands and Niue PACC program to SIDS and its partners;
- To promote the integrated and coordinated approach amongst the 14 Pacific Island countries in close collaboration with its' supporting and development partners;
- To encourage and strengthen partnerships at all levels of development;
- To highlight the importance of incorporating gender into climate change and disaster risk management;

## **OUTCOMES**

The outcomes of this side event are:

- Participants are well aware and informed of examples of a coastal and water sector adaptation initiatives that have enhanced capacity to adapt to the adverse impact of climate change and contribute to achieving sustainable development;
- Participants acknowledge the value of strategic partnerships and sustainable approaches in advancing adaptation to climate change amongst SIDS; and

- Participants appreciate the importance of climate resilient and disaster risk reduction programs that are nationally executed and regionally supported

## LAUNCHING

10.30am                      Drums of the Cook islands - *Performance by Le Manumea*

### WELCOME ADDRESS

Master of Ceremony (MC)              Mr Mac Mokoroa, Secretary, Infrastructure Cook Islands

11.00am              Opening Prayer              -              Rev. Fuifui Teevale, (FS, EFKS – Vini Fou)

- ❖ Dr. Netatua Pelesikoti, Director of Climate Change Division, SPREP, Apia
- ❖ Mr. Haoliang Xu, UNDP Director of Regional Bureau for Asia Pacific
- ❖ Dr. Josie Tamate – Director General for Ministry of Natural Resources, Niue
- ❖ Hon. Henry Puna, Prime Minister of Cook Islands, Minister of Climate Change

## LAUNCHING OF VITAL MANGAIA HARBOUR

[www.sprep.org/pacc/cookislands](http://www.sprep.org/pacc/cookislands)

## LAUNCHING OF NIUE

<http://www.sprep.org/pacc/niue>

## FAMILY PHOTO

## PANEL SESSION

11. 45am              **Introduction of Panellists & Outline of the panel discussion.**

**Moderator**              Mr. Peniamina Leavai, Regional PACC Coordinator, SPREP

### *Panellists*

1. Paul Maoate, PACC Project Coordinator, Cook islands
2. Haden Talagi, PACC & GCCA:PSIS Project Coordinator, Niue
3. Ms Tuaine Tuara, Private Sector, Mangaia
4. Netatua Pelesikoti, Deputy Director, SPREP
5. UNDP Resident Rep Lizbeth Cullity

### *Topics*

1. The practical challenges of the infrastructure and water sector to adapt
2. Incorporating gender into climate change
3. Use of climate information in decision and policy making
4. Partnership and the way forward

**12.30PM**      **ENDS. More photo session with cook island drummers, dancers**

MEITAKI MAATA

FAKAUE LAHI

FAAFETAI

THANK YOU

