



# Coping wetem Climate Change long Pacific Island Region (CCCPIR)

Ol Coral Reef Fishermen oli Adapt long Climate Change tru long Fish Aggreating Devices  
Nguna mo Pele Islands, Vanuatu

## Project facts CCCPIR

Main Sponsor : Federal Republic blong Germany through long Federal Ministry blong Economic Cooperation mo Development (BMZ)

Regional partners: SPC, SPREP mo USP

Countries: Federated States blong Micronesia, Fiji Islands, Marshall Islands, Nauru, Kiribati, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu mo Vanuatu

Team hemi start mo finis: January 2009-December 2015

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## Climate Change inside long Pacific

Ol Pacific Island Countries (PIC) oli stap experiensem finis ol impact blong climate change. Ol kaontri we i stap fesem finis plante natjoral disasta oli nokat ol gud management, blong winim ol rabis efek blong olgeta. Olsem sea level rise, jenj long renfol mo inkris blong tempaja, we oli kosem samfala impak bakagen olsem coastal erosion mo wota blong kraon i kam sol, damej blong saeclon, ol pepet mo sik oli spred, mo akrikalja i i ko daon.

Long program we hemi "Coping wetem Climate Change long Pacific Island Region (CCCPIR)" mifala i aim blong buildem up ol strong weis blong ol member countries blong Pacific mo tu ol narafala regional group blong adapt long impact blong climate change. Program ia hemi sponsor by Government blong Federal Republic blong Germany through long Federal Ministry blong Economic Cooperation and Development (BMZ), mo hemi wok tru long GIZ, we hemi stap work long partnership wetem SPC mo SPREP. Mo long regional level, project hemi wok tugeta wetem Pacific Island Framework blong Action long Climate Change 2006-2015 (PIFACC) mo long national level I wok wetem Priority Action Agenda (PAA).



## Climate Change mo ol impak blong hem long ol Korel Rif long Vanuatu

Long Island blong Pele, we hemi wan long ol SPC-GIZ CCCPIR pilot sites, hemi stap experiensem finis fulap efek blong climate change olsem coral reef I stap ded, coastal erosion, slope erosion, los blong graon soil nutrients mo increase blong temperatures.

SPC-GIZ hemi stap work wetem ol people blong Ngun-a-Pele Marine mo Land Protected Area Network blong takem aot climate change education mo awareness long ol island communities mo tu encouragem ol pipol blong oli actively adapt long climate change.

CCCPIR hemi wok blong strengthenem ol ways blong Ngun-a-Pele Marine mo Land Protected Area Network blong takem aot climate change education mo awareness long ol island communities mo tu encouragem ol pipol blong oli actively adapt long climate change.

## Namba blong ol fis long Korel Rif I stap ko daon

Vanuatu hemi wan kaontri we yumi stap usum fulap risos we yumi takem long korel rif. Be naoia namba blong ol kakai long reef I stap ko daon long country. Wan long bigfala problem long ol aelan blong Nguna mo Pele hemi namba blong fis long reef I stap dikris bigwan. Ol rif tu oli stap dead tru long effect blong korel bleaching, strongfala saeclon mo Crown of Thorns star fis we I stap kaikai mo spoilem reef. Wan bigfala problem tu hemi ovaharvest we yumi karem riros blong salem long ol naraman blong winim mani.

Even we namba blong rif fis oli stap ko daon, yumi stil kat fulap fis long dip solwota (olsem tunafis) we yumi save usum. Be blong ko huk long dip solwota hemi sas tumas fromwe fisherman I mas pem fuel blong bot, bae hemi mas travel long ol bigfala solwota we hemi danger tumas mo hemi spendem tumas taem long wei long famele blong hem mo I aot long Karen tu.

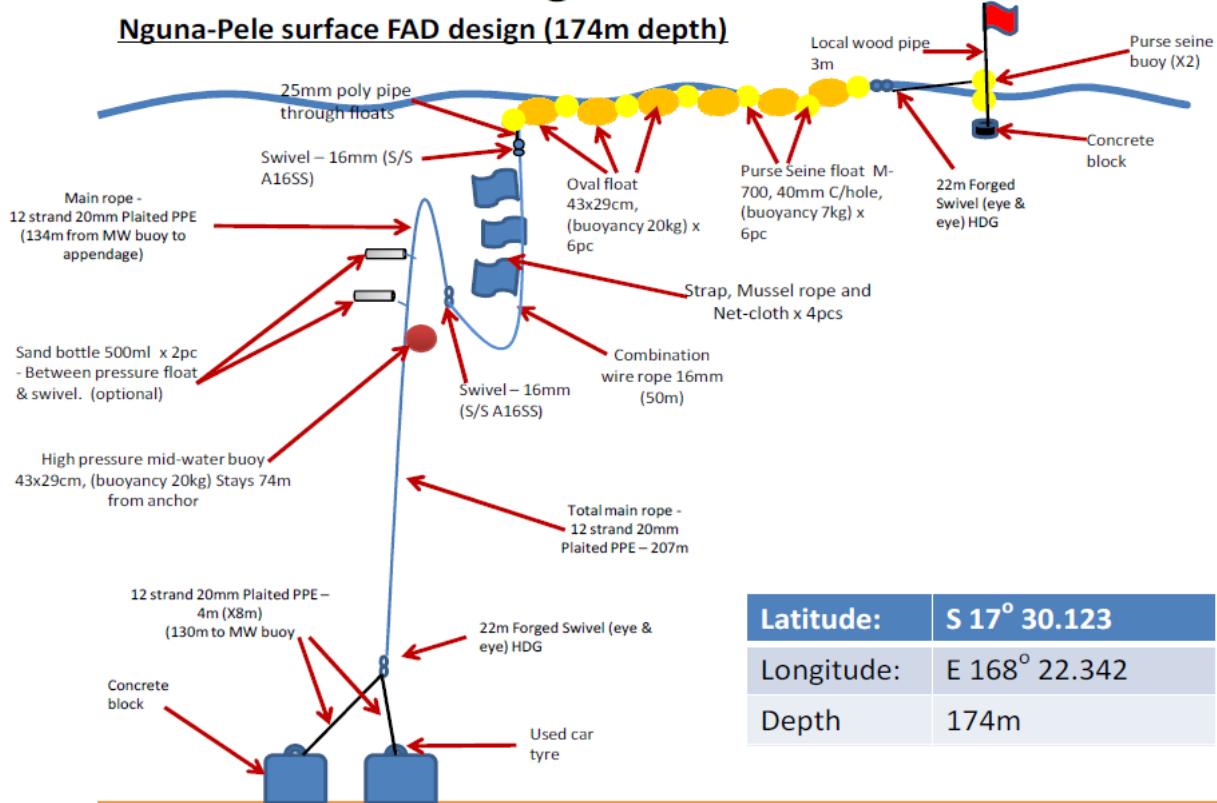
## Fis Aggregating Devices (FADs)

Blong ovakamem ol struggle we ol local fisherman oli stap fesem. Departmant blong Fisheries long Vanuatu mo SPC-GIZ Climate Change Program oli bin buildem wan Fis Aggregating Device (FADs). Long FAD oli usum blong pulum ol fis long dip solwota (olsem tuna, mahi-mahi mo marlin) I kam klosap long ol local komunitis. Through long FAD hemi helpem ol pipol blong adapt long climate change:

1. FAD hemi mekem wan source blong food security we I stap klosap nomo long velej, I no nif blong ko longwei blong karem fis
2. FAD hemi givim wan isi wei blong ol pipol oli save winim mani evritaem!
3. FAD hemi stap ridiusim ol presa we yumi stap putum long ol korel rif taem yumi stap ovahavest.

# FAD Design & Construction

## Nguna-Pele surface FAD design (174m depth)



|                   |               |
|-------------------|---------------|
| <b>Latitude:</b>  | S 17° 30.123  |
| <b>Longitude:</b> | E 168° 22.342 |
| <b>Depth</b>      | 174m          |

Location blong FAD ia I stap between long ol islands blong Nguna, Pele mo Efate, we hemi isi akses long ova 30 communities long North Efate. Mo tu even o fisherman we oli stap usum canoe oli save akses long em.

Long FAD ia I hope blong tmeke use blong wan gud side long climate change we bae I bringim ol tuna aot long equator region mo oli I kam long Vanuatu

### Wanem blong mekem- mo long taem projects

FADs hemi wok taem hemi trapem ol nalam lum mo oli grow long surface blong em. Ol nalam lum ia oli attractem ol small fis, mo ol small fis I attractem ol bigfala fis. Ol FAD long Pacific oli save mekem wetem ol difren material mo wetem diffren design. Long FAD we oli been buildem through long SPC-GIZ project, hemi spesel blong i save strong mo stap gud long team blong tropical cyclone we Vanuatu I stap experiensem

Long FAD hemi easy blong maintainem mo bae start blong kat fis long wan manis afta we hemi ko long solwota

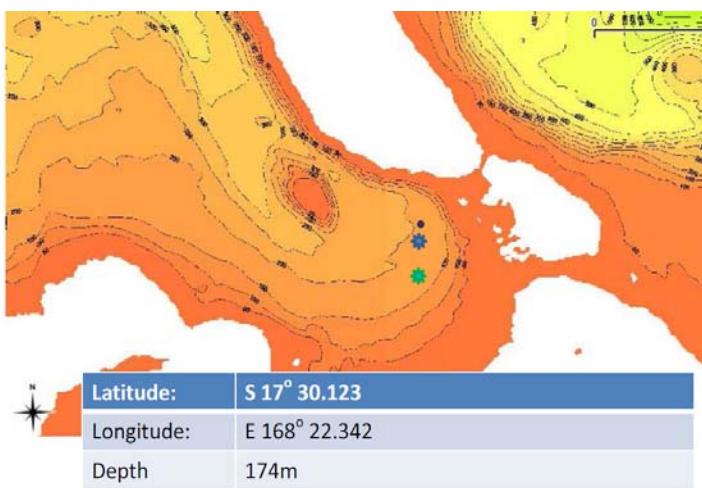
Vanuatu Department blong Fisheries hemi wok wetem ol local fisherman mo tu wetem ol village leaders, blong developem wan FAD management plan. Plan ia hemi saen by evri paramount Chief long area ia. Long plan ia I talem aot ol best use guidelines mo i givim update long ol maintenance activities. Plan i tu i givim ol stret wok we evriwan i mas mekem: ol fishermen, fisheries department ol boat captain mo ol chief.

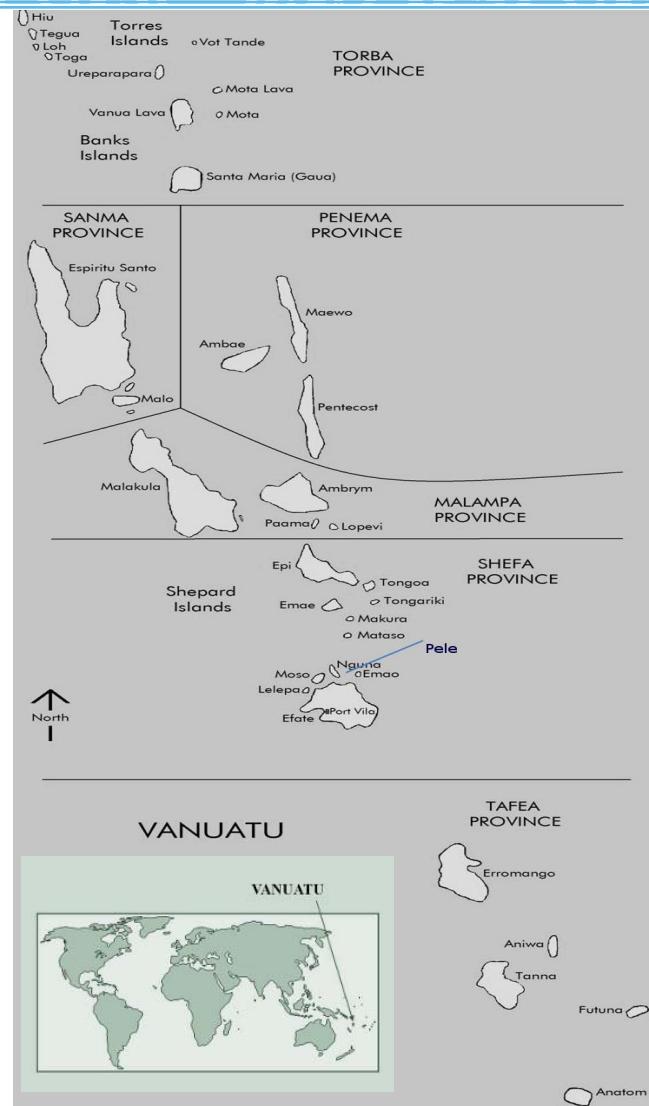
## Wan successful story blong ol man Nguna mo Pele

Long number 26 March 2013, ol chief blong evri village long island blong Nguna mo Pele oli joined together blong sign wan akimen blong use mo management blong FAD.

Toktok Paramount Chief Mariwota, Taloa Village

*"FAD ia hemi helpem ol fisherman blong mifala blong mitim ol nid blong mifala mo blong ol famele. Naoia ol fisherman blong mifala oli save huk klosap long haos mo bae hemi wan gudfala catch, mo tu savem money mo taem blong olgeta. Nao ia nao mifala I gat wan solution blong ol ovahavesting long ol risos mo animol we oli stap live long reef".*





GIZ hemi wan organisesen we German Goverman hemi ownem mo fundem inside lo area blong international development cooperation. Hemi stap long more then 30 years, GIZ hemi stap wok together wetem Pacific Island partners blong strentenem ol wok blong ol pipol mo ol grups blong impruvum living blong ol komuniti long generesen ia mo olgeta we bae oli stap kam. GIZ hemi wan agency we hemi kariaot mo providem ol technical wok blong bringim balans long ekonomic, sosel mo envaerenental intres through long fulap stakeholder dialogue, participation mo collaboration.

#### **Blong Karem Moa Informesen:**

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