

# **PACE-NET Plus Bremen Conference and Think Tanks**

September 9-11, 2014 | Bremen (Germany)

## **Where's my fish? What is the future for aquaculture development in the Pacific**



**Colin Shelley, Institute of Marine  
Resources, University of the South  
Pacific**

# 1. Overview

- ☼ A personal view of aquaculture Development in the Pacific
- ☼ Policies, plans and other bits of paper
- ☼ Aquatic cash crops
- ☼ Checklist for development

- “We must plant the sea and herd its animals using the sea as farmers instead of hunters. That is what civilization is all about — farming replacing hunting.” **Jacques Yves Cousteau**

- Has aquaculture contributed significantly to the socio-economic development of Pacific Island countries over the last 30 years?

- yes, a bit, but mainly **no**

## 5. Title 5

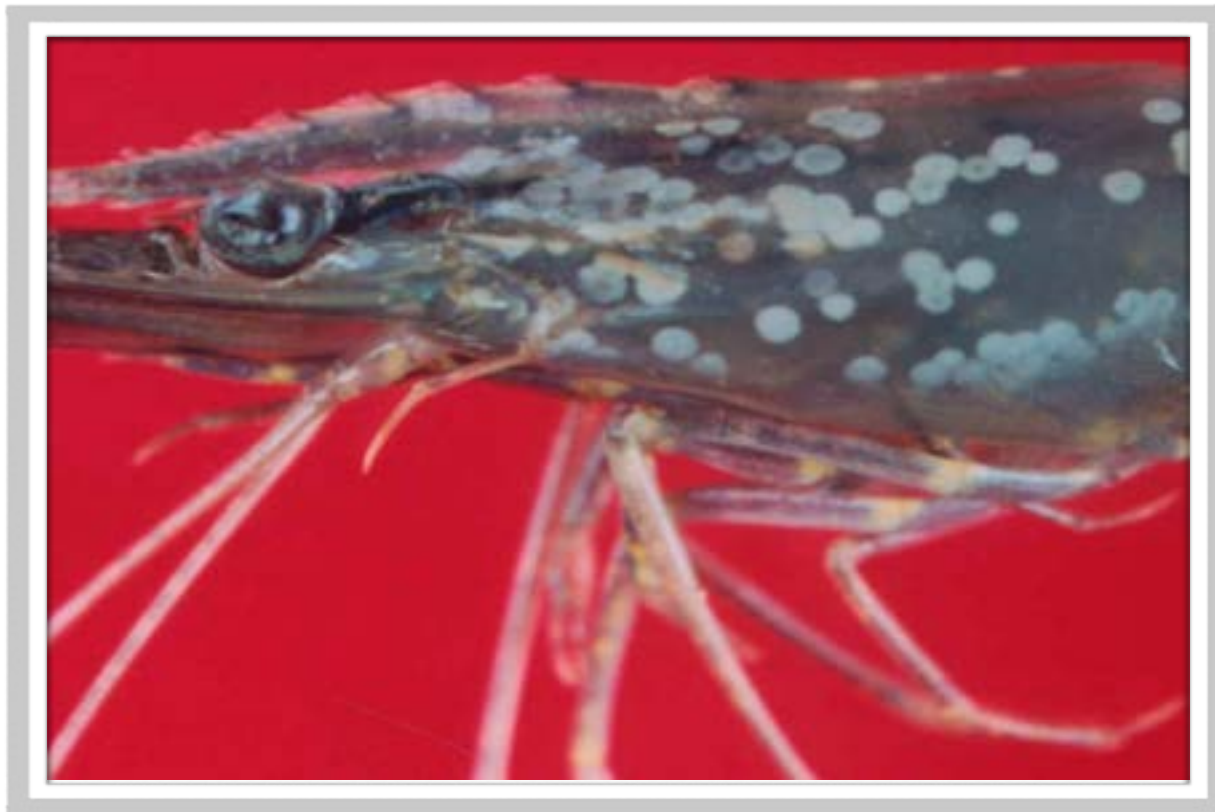
why?

## The Sheltered Workshop Approach

- Its free!
- No pathway to commercialisation, sustainable farming or conservation outcomes



## The Government Project





## The Research Project



## Where can I put my farm?



## Good aquaculture policy



- ✿ political & financial commitment
- ✿ sustainable development
- ✿ reduces risk
- ✿ balances control & development
- ✿ clarifies tenure issues

## Capture based aquaculture

- the harvesting of wild individuals from very early stages in the life cycle to large mature adults for on-growing under confined and controlled conditions

## Capture based aquaculture options in the Pacific



- ✻ Eels
- ✻ Milkfish
- ✻ Seaweeds
- ✻ Shellfish
- ✻ Tuna

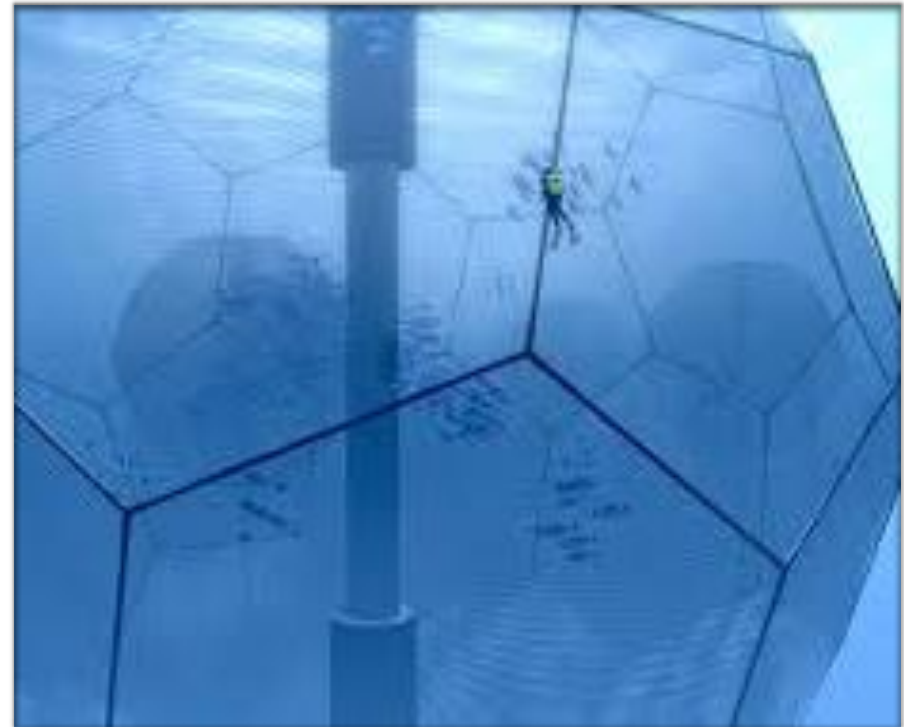


## Hatchery based aquaculture

- ✻ Pearls
- ✻ Fish - tilapia, reef fish, tuna
- ✻ Sea cucumbers - beche-de-mer
- ✻ Crustaceans



# Open Water Aquaculture



## Paradigm changers

- ☼ China
- ☼ NOVAQ® & similar products
- ☼ Tuna
- ☼ Domestication
- ☼ Population growth



## Checklist for aquaculture development

- ☼ Access to sites
- ☼ Stock availability
- ☼ Feed availability
- ☼ R&D incentives
- ☼ Start up policies:  
grants, tax holidays,  
import duty wavers
- ☼ Support for sustainability
- ☼ Educated & trained  
workforce
- ☼ Security of tenure
- ☼ Transparent aquaculture  
policy framework
- ☼ Sound regional  
biosecurity

“Aquaculture, not the Internet,  
represents the most promising  
investment opportunity of the 21st  
century”

**Nobel laureate and economist, Peter Drucker**

## Project partners

