



# **Fishery data collection Vanuatu**

**JICA National Seminar**

**Meteo Office**

**Tuesday 7- Friday 10 Oct, 2014**

**VFD, JICA, IC Net Ltd, SPC**



# SPC contribution

- JICA sign MOU with SPC in 2012
- SPC roles not clear in the project design
- Publicity of the Grace of the sea work
- Growth of FAD deployment
- Lobster data collection at Aneityum since 2010
- Green snail resource on Efate and Aneityum
- Trochus resource and fishery state



# Some issues –Day 1

- ✓ Community FAD management is the way forward for sustainable FAD fishing and user pay system is a good way for communities to raise management fees from users.
- ✓ FAD user conflict is an issue raised especially on Efate where fishing pressure is highest. VFD to come up with better ways to control user conflicts - one likely option is to separate fishing area by zone and to enforce fishing licenses
- ✓ Giant clam farming on Efate is a good business for Aquarium exports but it seems to slow down, lack of interest??
- ✓ High loss of artificially bred trochus and green snail released, communities need to focus on management of wild stock trochus and green snail.
- ✓ Shell handicraft growing interest raised need to assess options – protect the fishery for local indigenous Ni-Vanuatu exporters to develop. Same with green snail and other shells.
- ✓ Opportunities for community fishery management plans to be aligned with National Fisheries Policies



# FAD Development

- New “***Vanuatu FAD***” improved designed
- Low cost material
- Logistically easy
- Sandbag better than block
- Easy maintenance
- Area fishing calendar
- Awareness
- Community management
- Effective

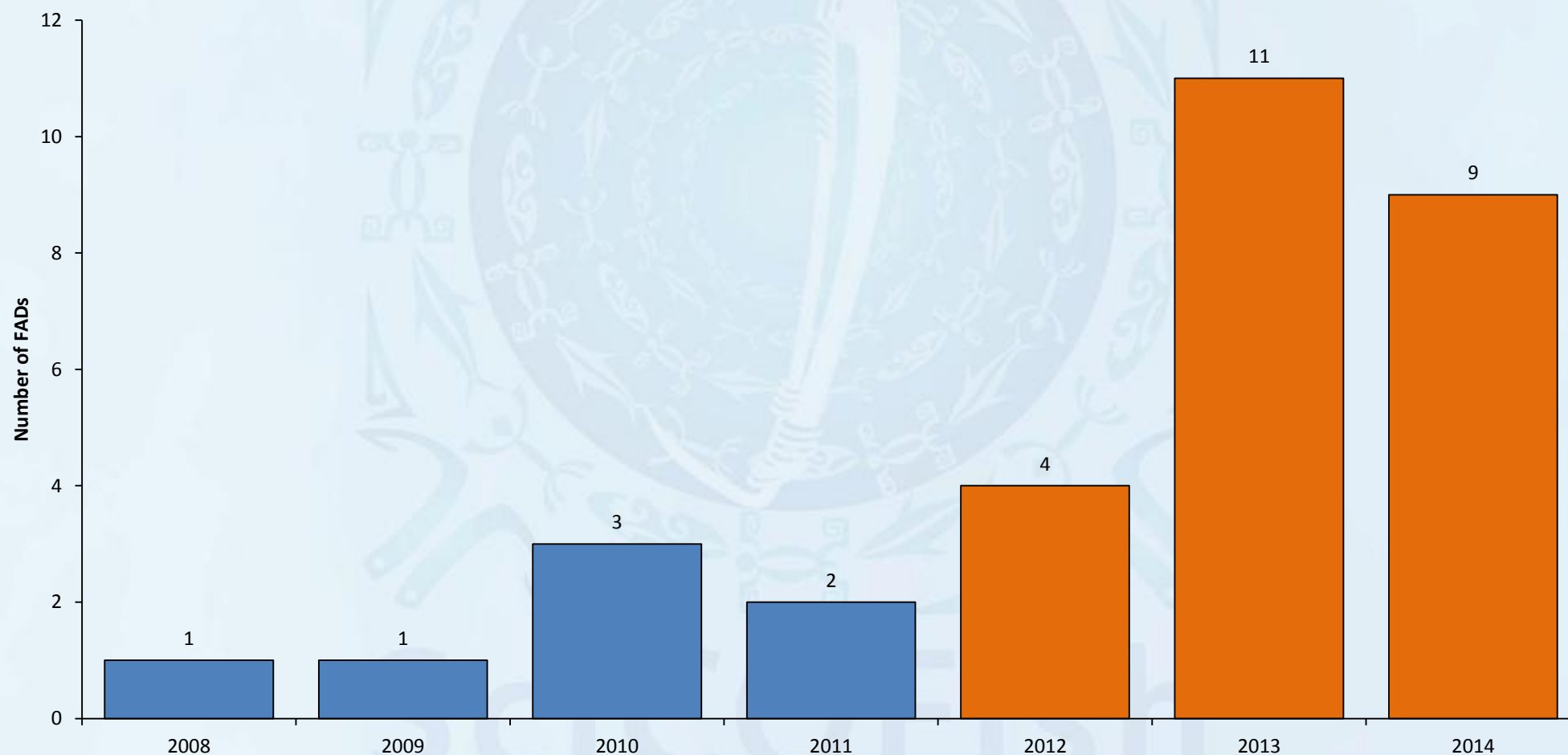






# FAD development

FAD deployment





# Lobster catch Aneityum

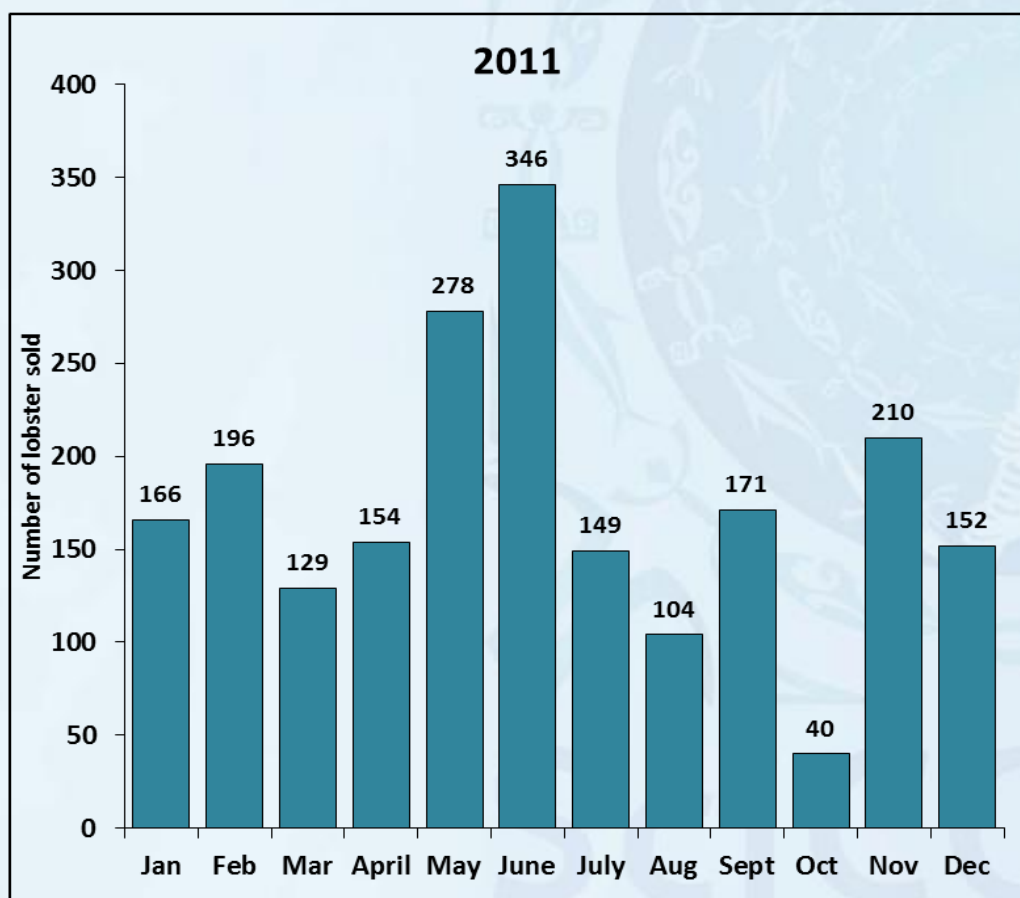
- Well organized activity
- 45 sites in Aneityum
- Transported to Market alive
- Aneityum MPA Committee checked, measures lobster
- Egged females released at MI MPA
- Dead or damaged ones rejected
- Size and price recorded
- Cooking and sale fresh
- 2010 data recorded to VFD



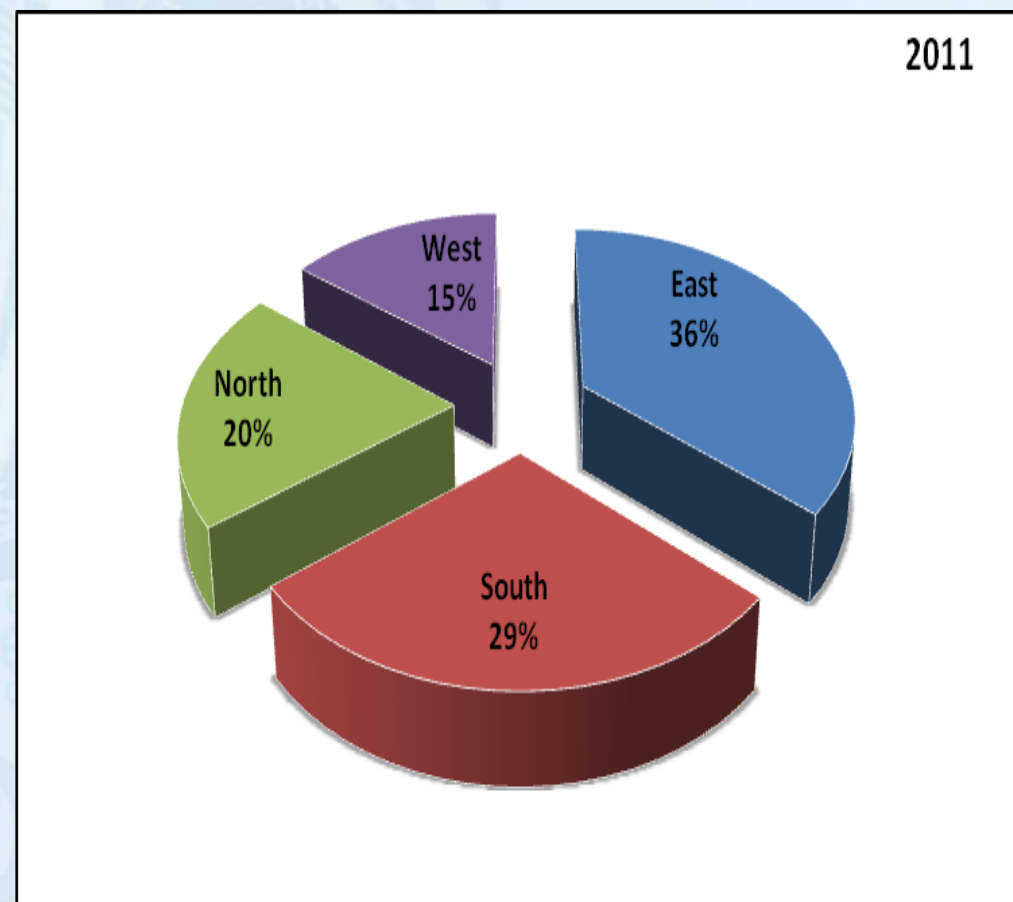


# Lobster production- before Grace of the sea

## Production by month



## Composition by region



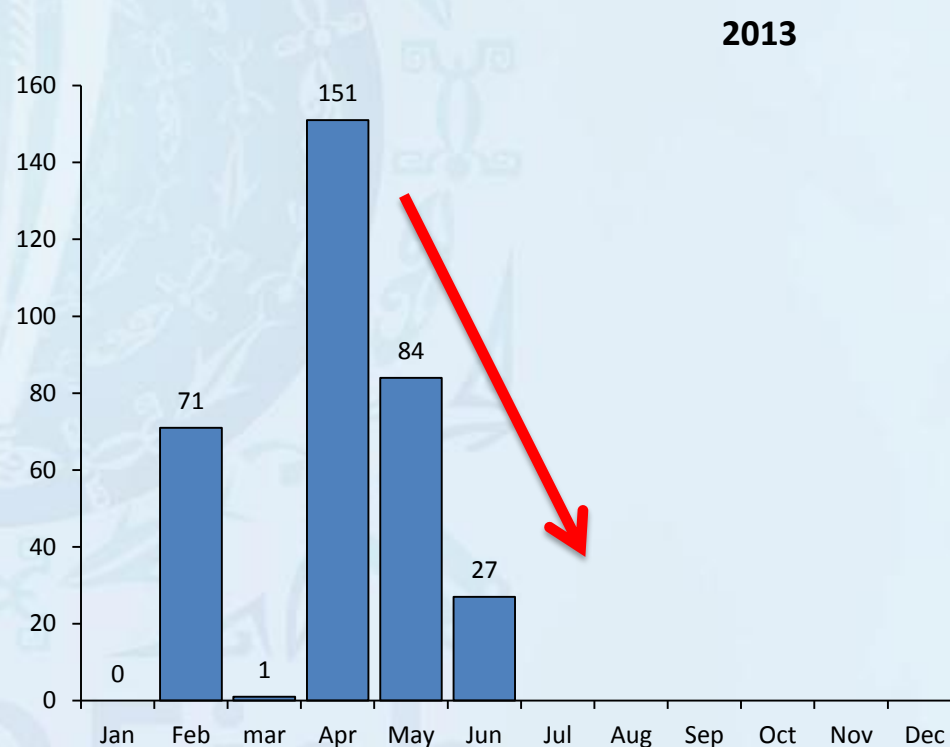
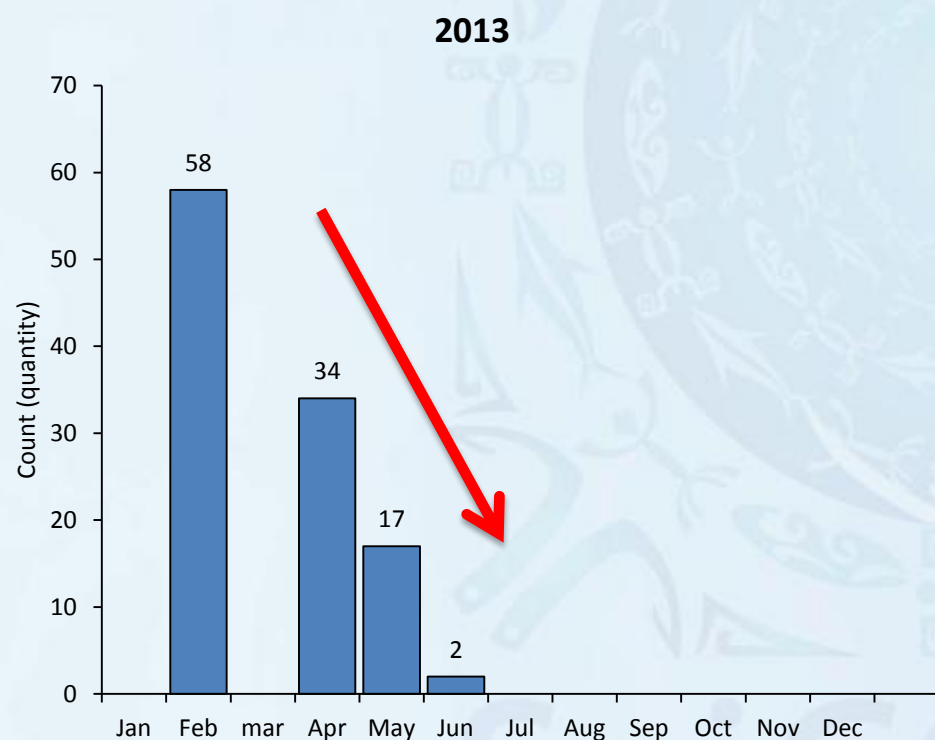




# Lobster catch sold 2013

Quantity sold at Anelgouhat

Total no of lobster sold



**2011 - 1,269 lobster sold Jan - June**

**2013 - 334 lobster sold Jan - June**

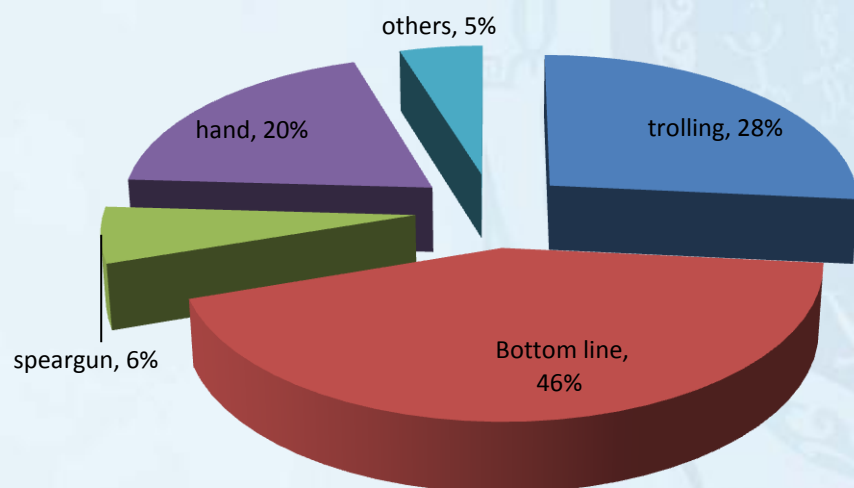




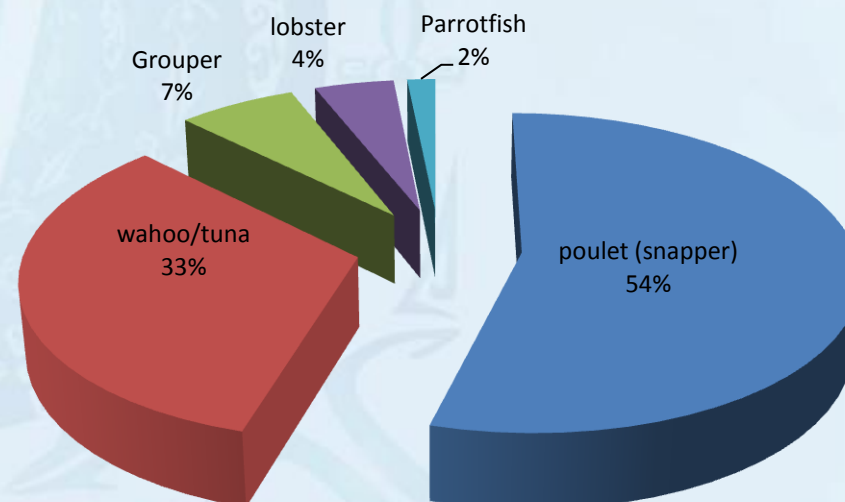
# Aneityum fish landing data 2013

Grace of the Sea project

Fishing gear frequency



Catch quantity composition



Bottom line and trolling used 64 % of time

Snapper and wahoo/tuna = 87 % of catch



# Green snail

## Translocation on Efate

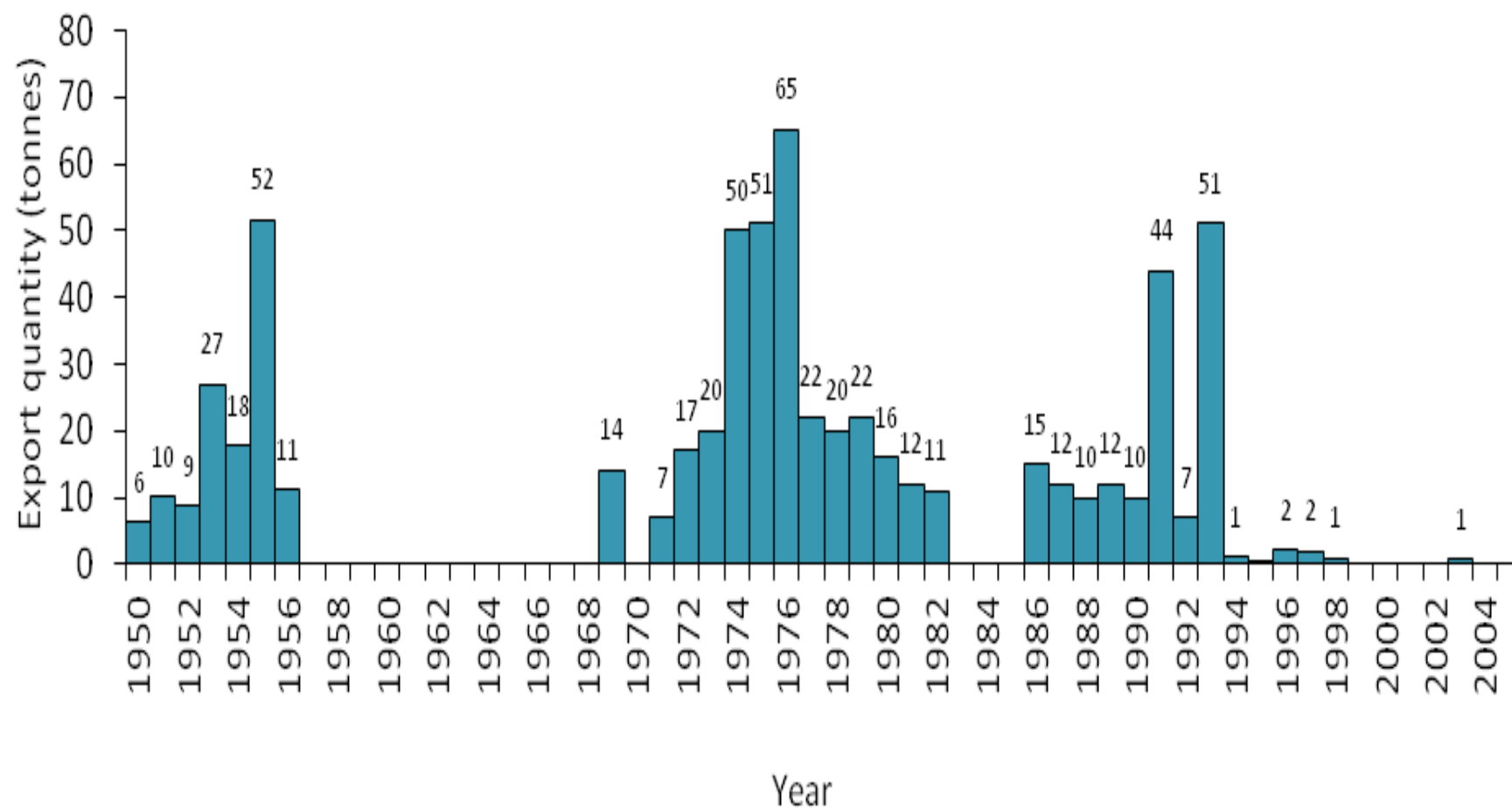
- Efate supply green snail to French Polynesia 1967
- 300 shells, 42 survive 12 day voyage by ship
- Release at Papeete Island
- 13 years later establish
- Export fell to zero from 2000
- Efate stock in question?
- 15 years ban 2005





# Green snail

Green snail shell exports from Vanuatu







# Unauthorized harvest since 2009

Polished shell

operculum







# Efate green snail





# Information on other areas

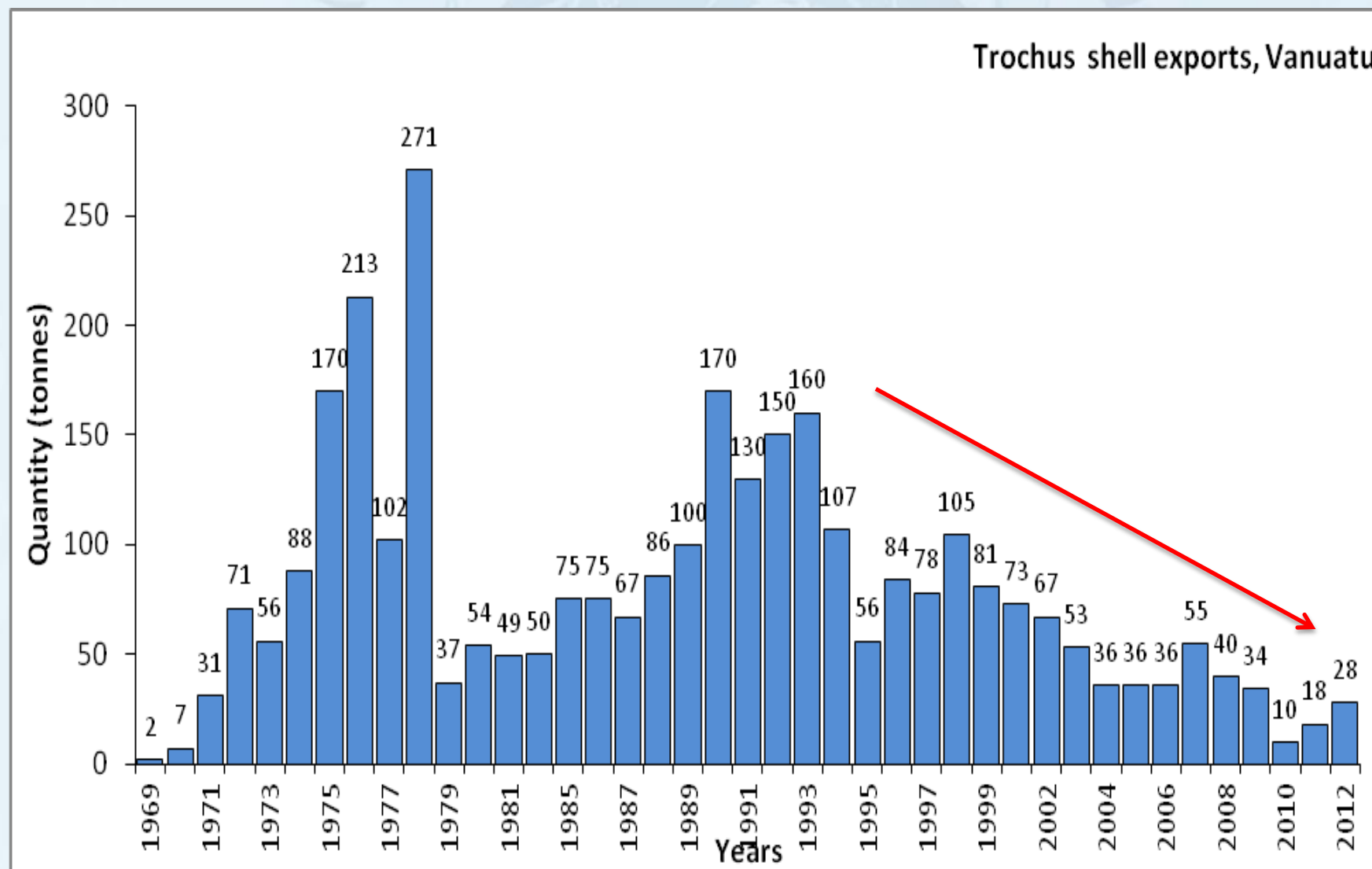
- Devils point, pango, Erakor, Eratap, Teouma, Whitsands, Erueti, East Efate, Nguna, Pele, Emau
- Erromango
- Emae and Epi
- Maskelynes, Uripiv, Rano, Atchin, West Malekula, Wiawi, SW-Bay
- Ambae, Pentecost, Maewo
- Santo, Malo
- Banks and Torres

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# Trochus







# Trochus shell

Sampling at exporters stage



Sampling at buyer level

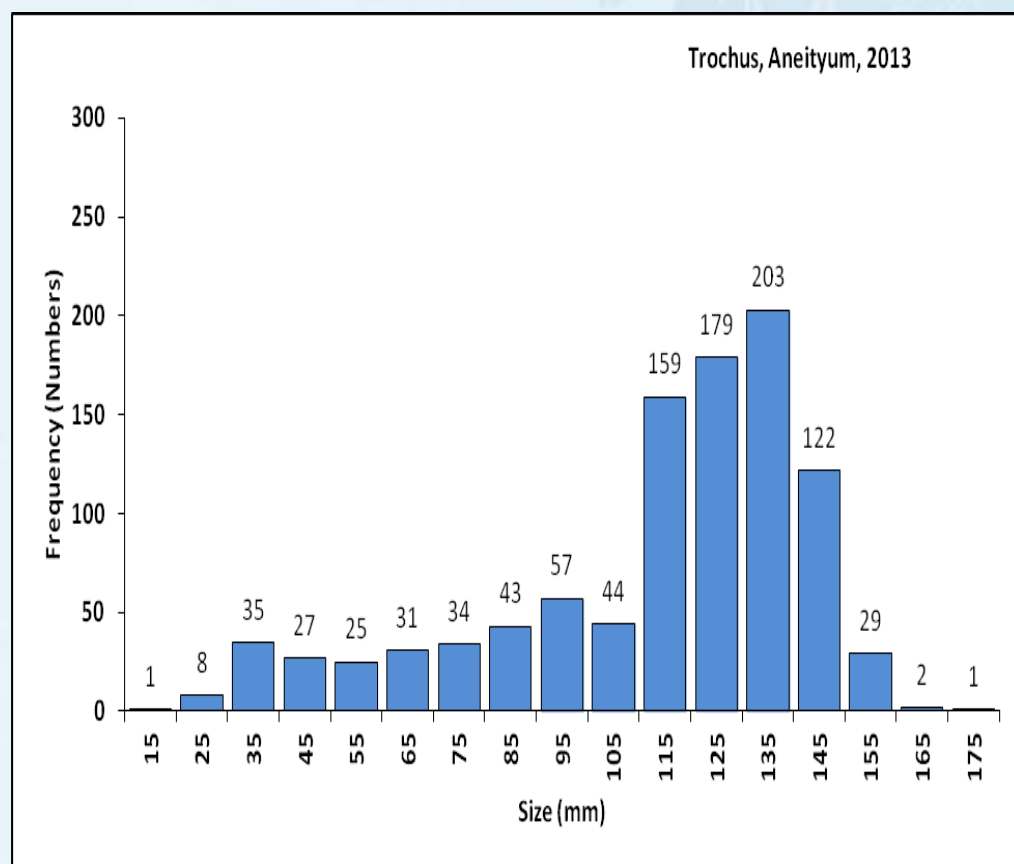




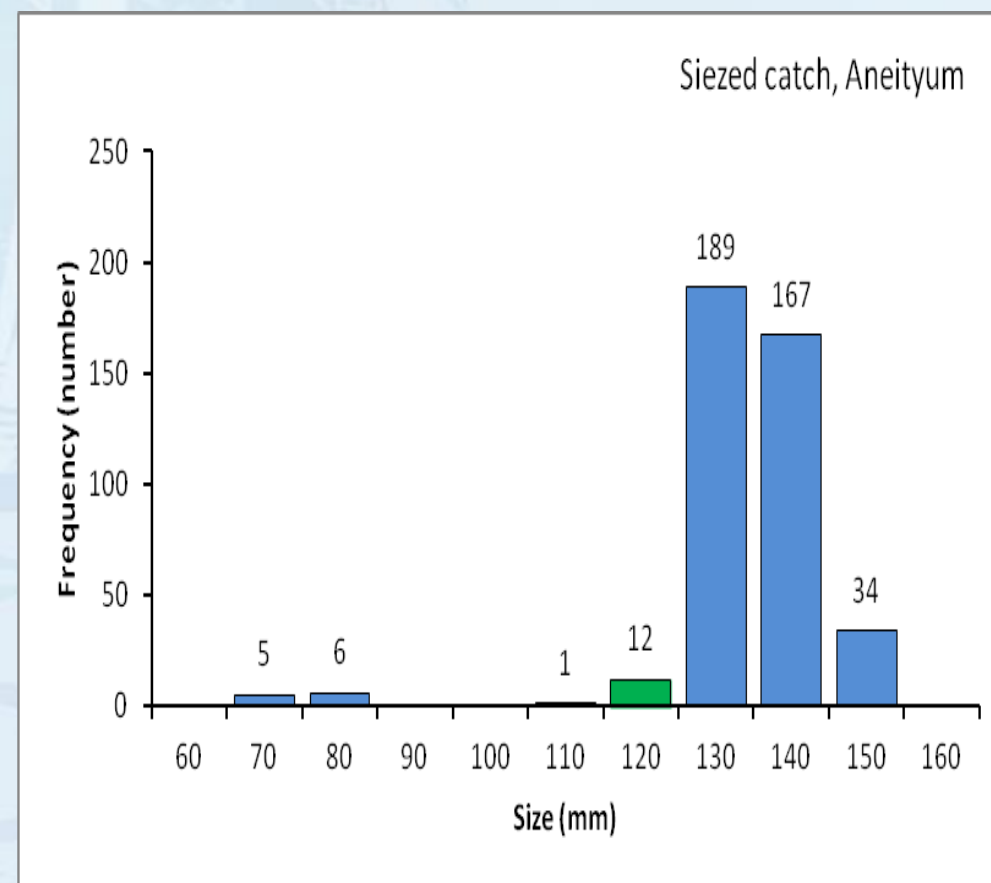


# Trochus sizes-Aneityum

## Resource survey 2013



## Seized shells 2013

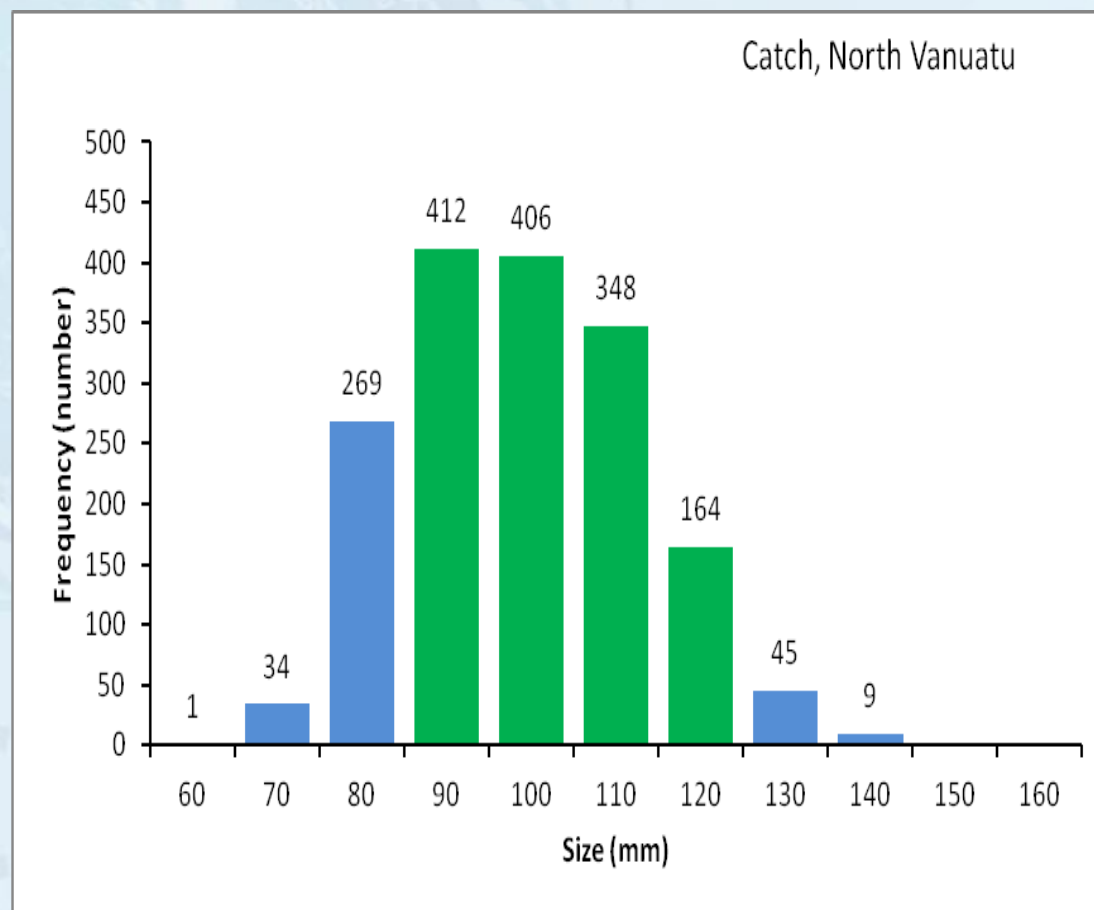




# Trochus size – North Vanuatu

## Shell factory

- Undersize common in many areas
- Continuing problem
- Difficult to prosecute
- Community control important but is not happening
- Any other Solution??





# Uptake of lessons learned

- ✓ Many more communities in Vanuatu are already taking up of the new approach
- ✓ VFD will realign its coastal Policy to take up the approach for rural fisheries development and FAD management
- ✓ SPC has requested VFD to include the Vanuatu FAD design in next Fisheries Training in Santo in November 2014
- ✓ SPC would like to invite one community rep from Vanuatu to present the CBCRM approach to the Pacific regional community based workshop in March 2015
- ✓ Release of the article in the SPC Fisheries Newsletter is going to attract many interest from other countries



Thankyou

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