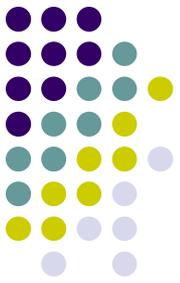


# Design and Implementation of the Pilot Project



## 1. Basic Information of Target Communities

## 2. Results of Survey

- Issues regarding CBCRM
- Considerations for Project Design

## 3. Challenges and Project Design



### A. North West of Efate Island

Four (4) communities around Lelepa, Moso islands

No. of Household  
14~100



### B. Middle East of Malakula Island

Sixteen (16) communities around Crab Bay area and Uri/Uripiv Island

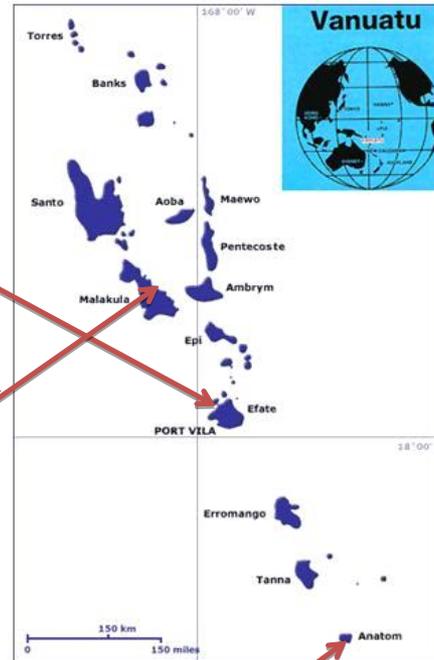
No. of Household  
3~90



### C. Aneityum Island

Three (3) communities utilizing Mystery Island

No. of Household  
34~136



(www.rexgroup.co.jp)

# Target Communities

\*As a whole, the community population tends to have been increasing in recent 3 years.



# 1. Basic Information of Target Communities



## Priority of Economic Activities by Sex

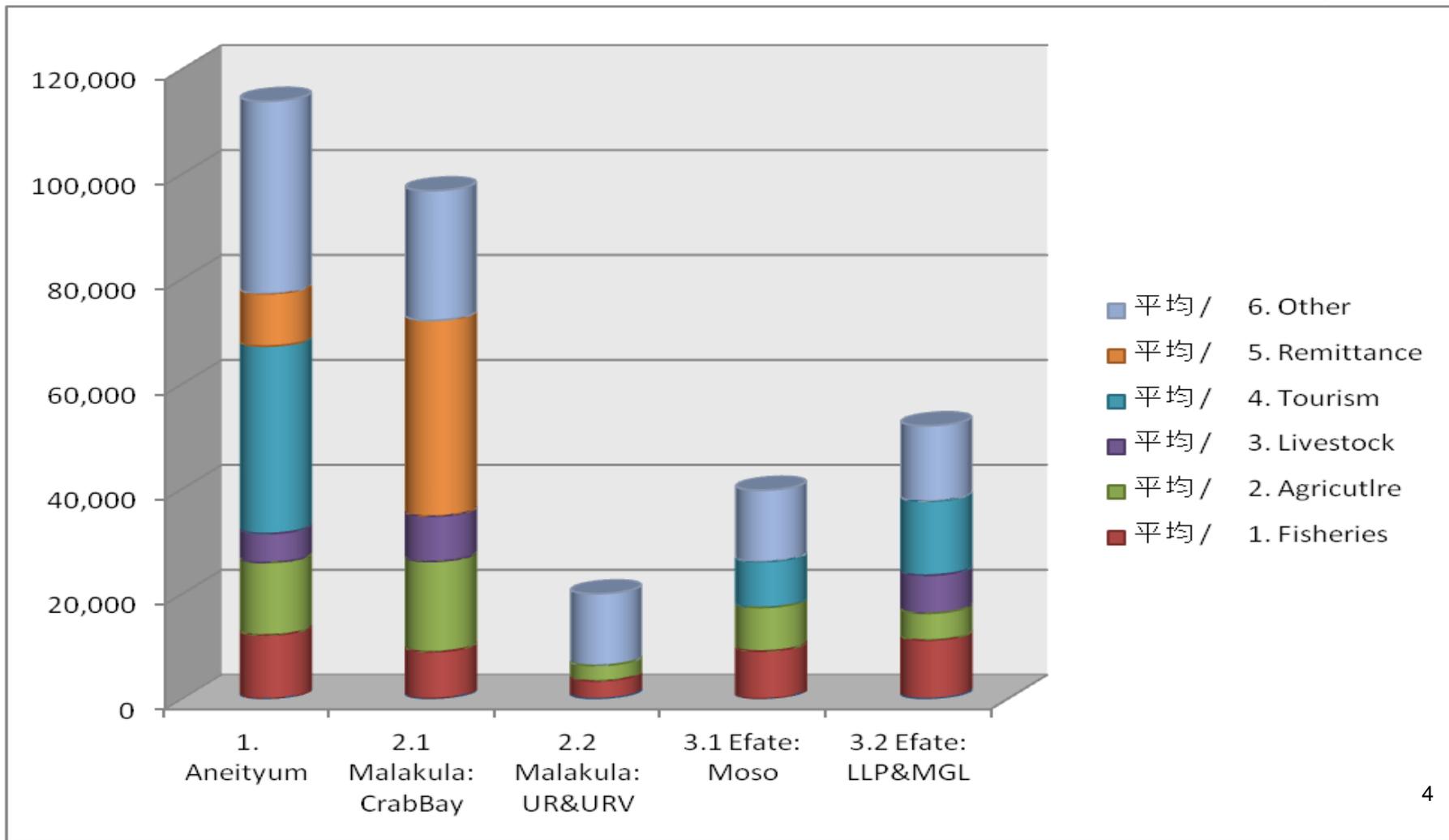
Economic Activities		Average Score			
		Overall	Efate	Malakula	Aneityum
Men	Agriculture	2.61	2	2.88	2
	Fisheries	1.26	2.5	1	1
	Forestry	0.3	1		1
	Tourism	0.3	0.5		1.67
	Livestock	0.22		0.25	0.33
	Marketing	0.09		0.13	
Women	Agriculture	2.17	2	2.25	2
	Marketing	1.13	0.5	1.5	
	Handicraft /Catering	0.57	1.75	0.31	0.33
	Fisheries	0.43	0.5	0.44	0.33
	Tourism	0.39			3
	Livestock	0.22		0.25	0.33
	Church	0.17		0.13	
	Forestry	0.04	0.25		

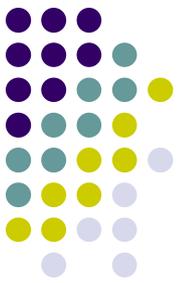
Note: The ranks of economic activities are quantified as scores on the following rules:

1st ranked industry is given 3.0, 2nd rank 2.0, and 3rd rank 1.0

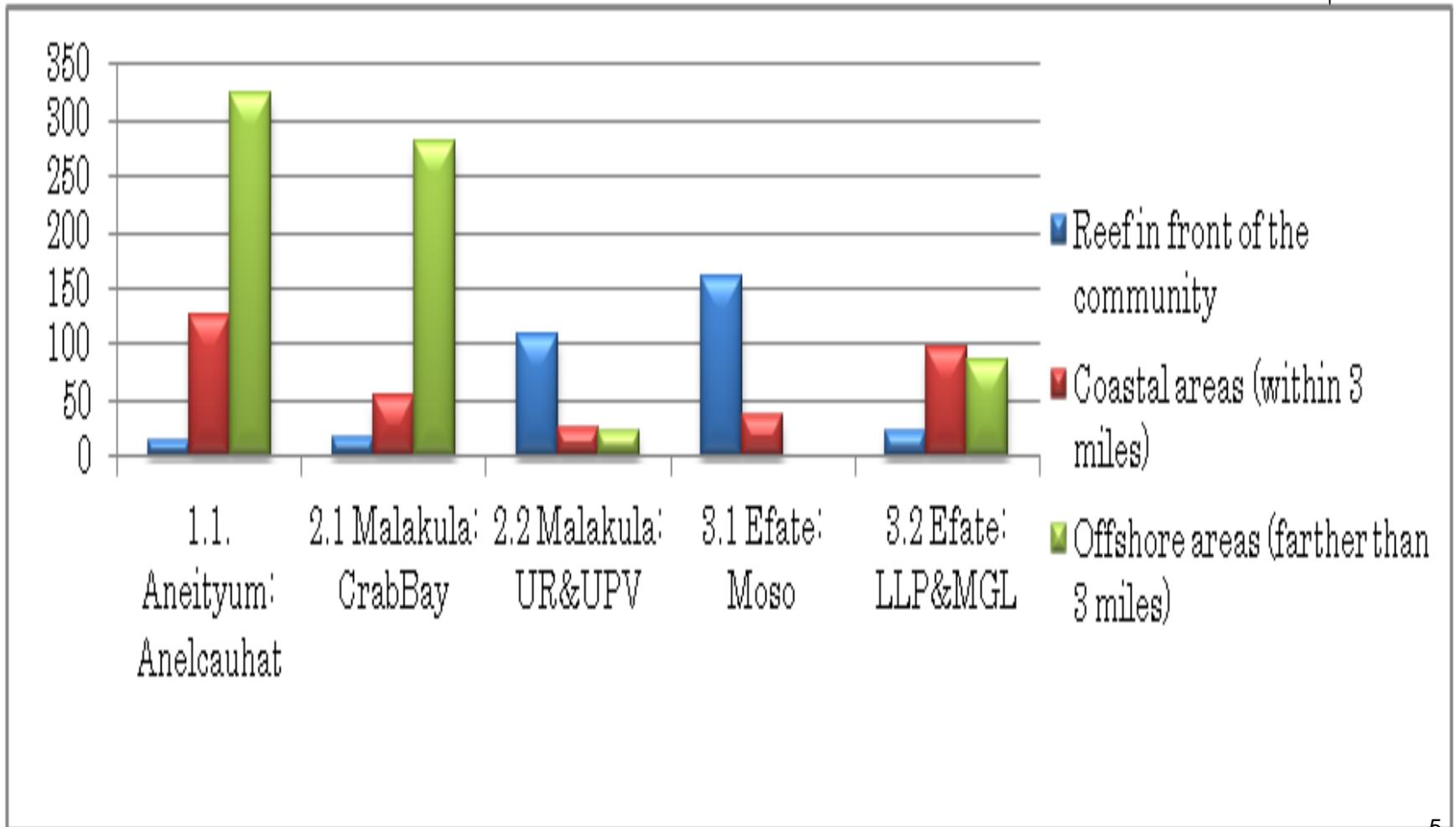


# Average Monthly Income by Regions





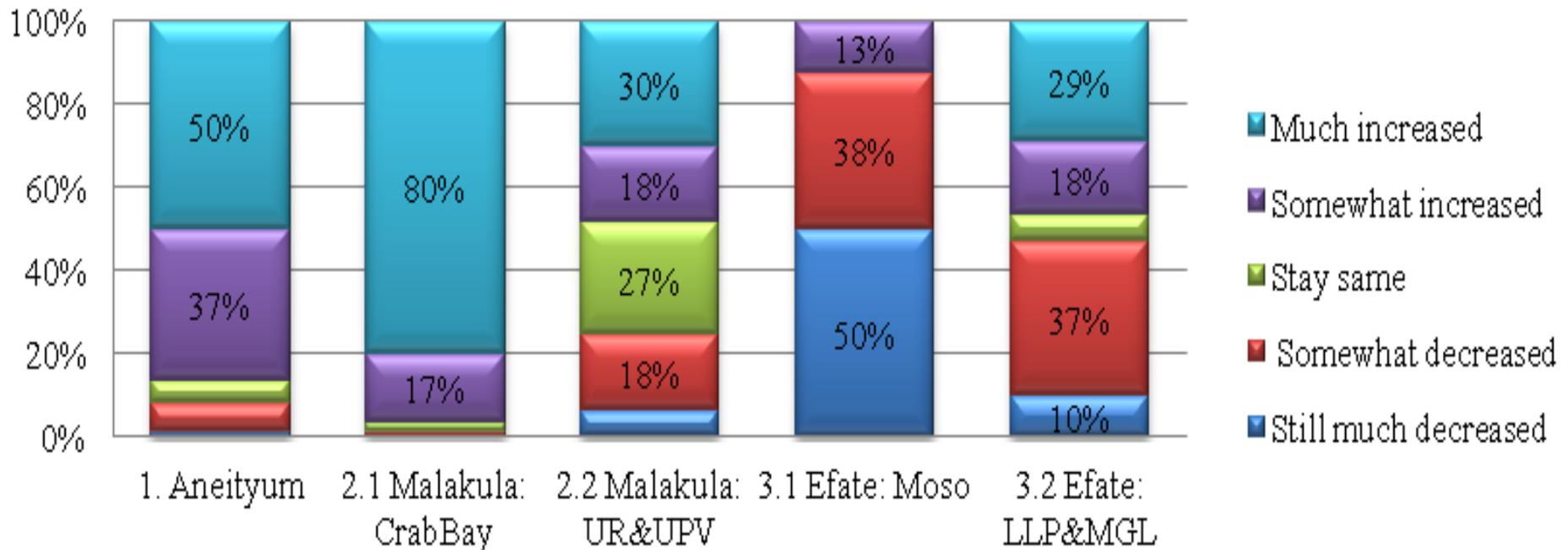
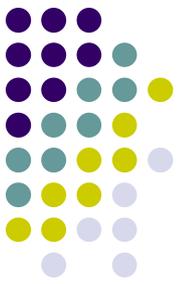
## Monthly Fish Catch Volume by Fishing Areas



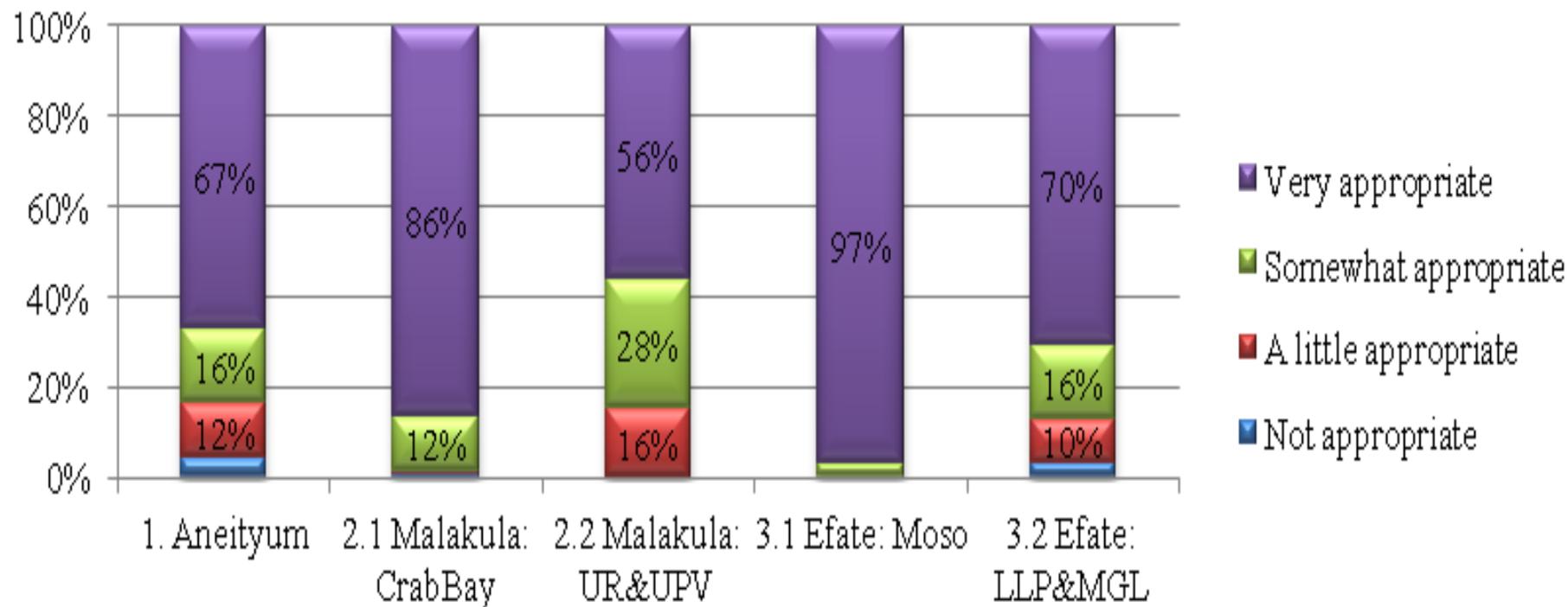
## 2. Result of Survey

### •Issues to enhance CBCRM

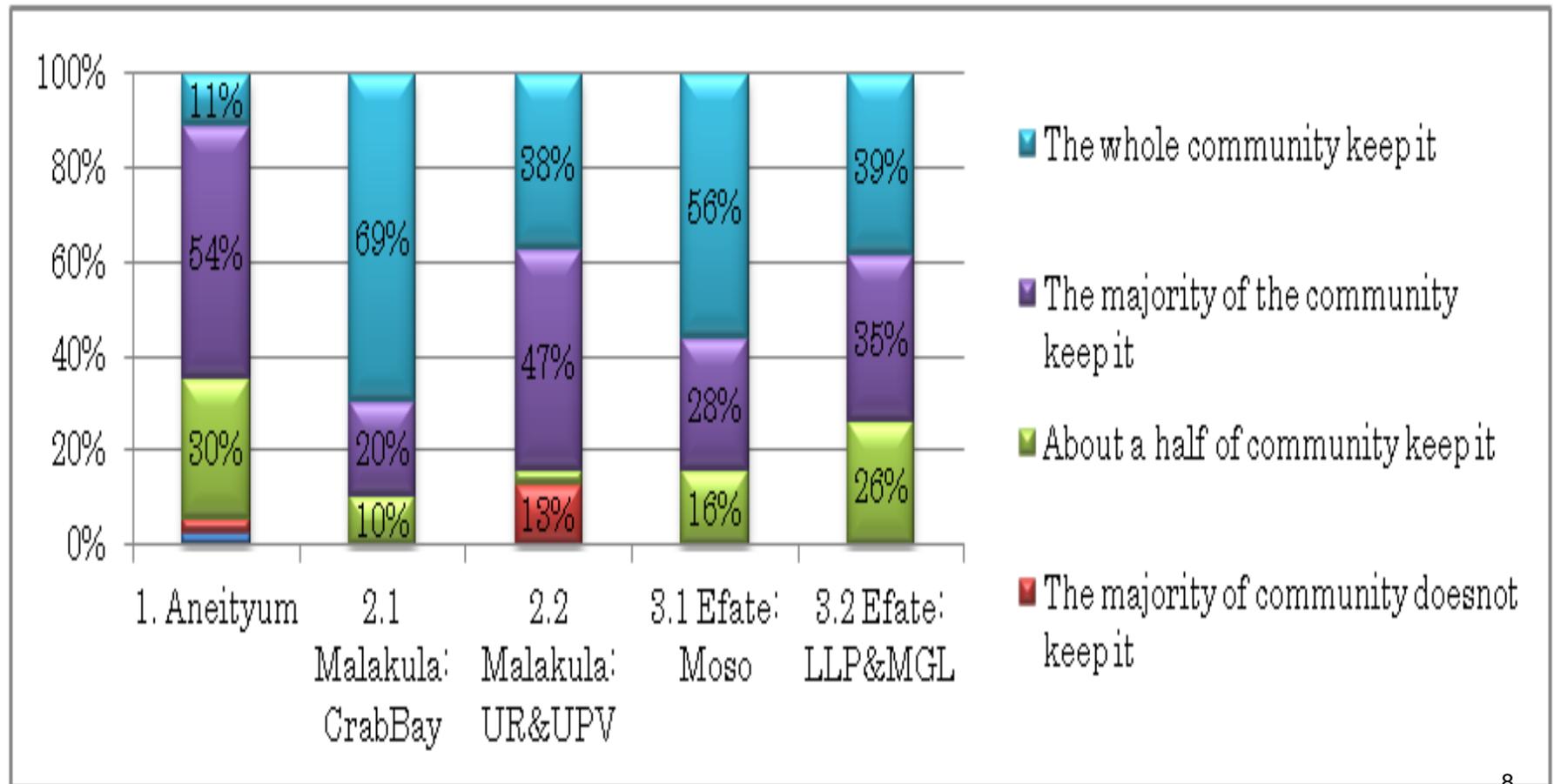
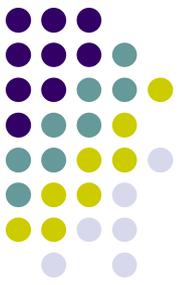
## Recognition on the resource condition after the implementation of CBCRM



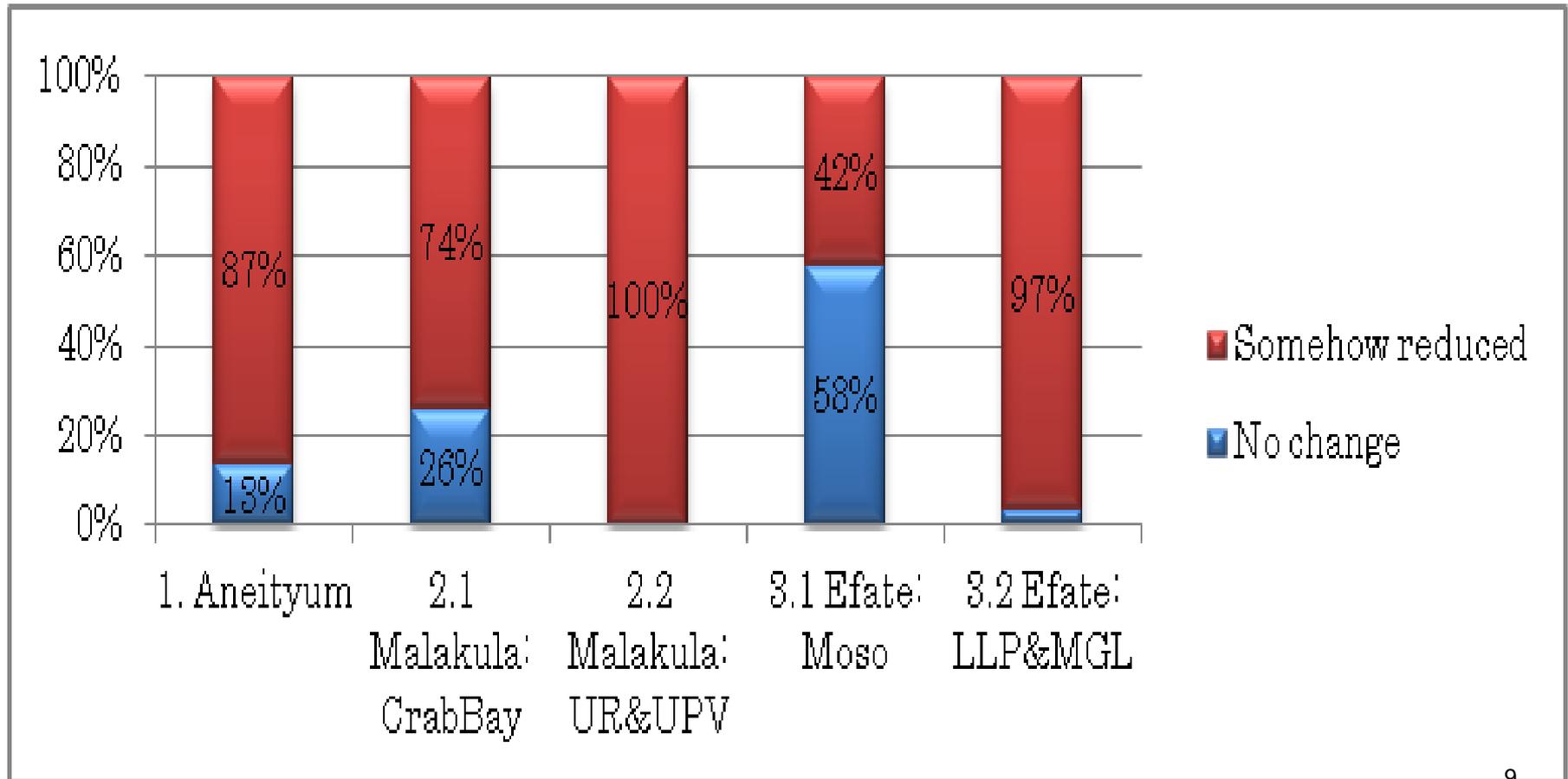
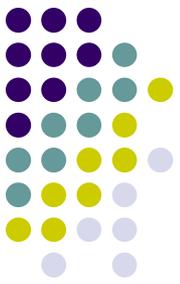
# Opinions on the existing resource management plan



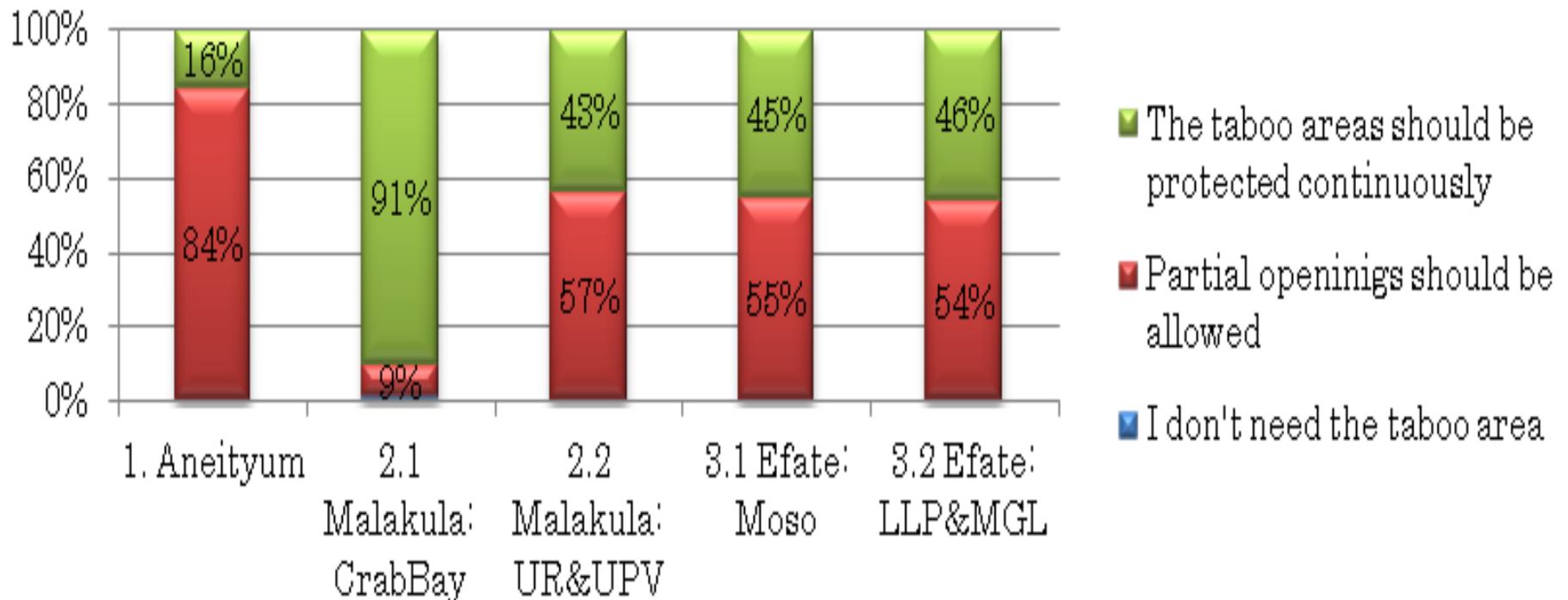
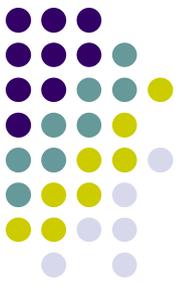
# Compliance with the resource management plan

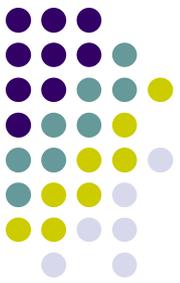


# Change in fishing activities after the introduction of the resource management plan



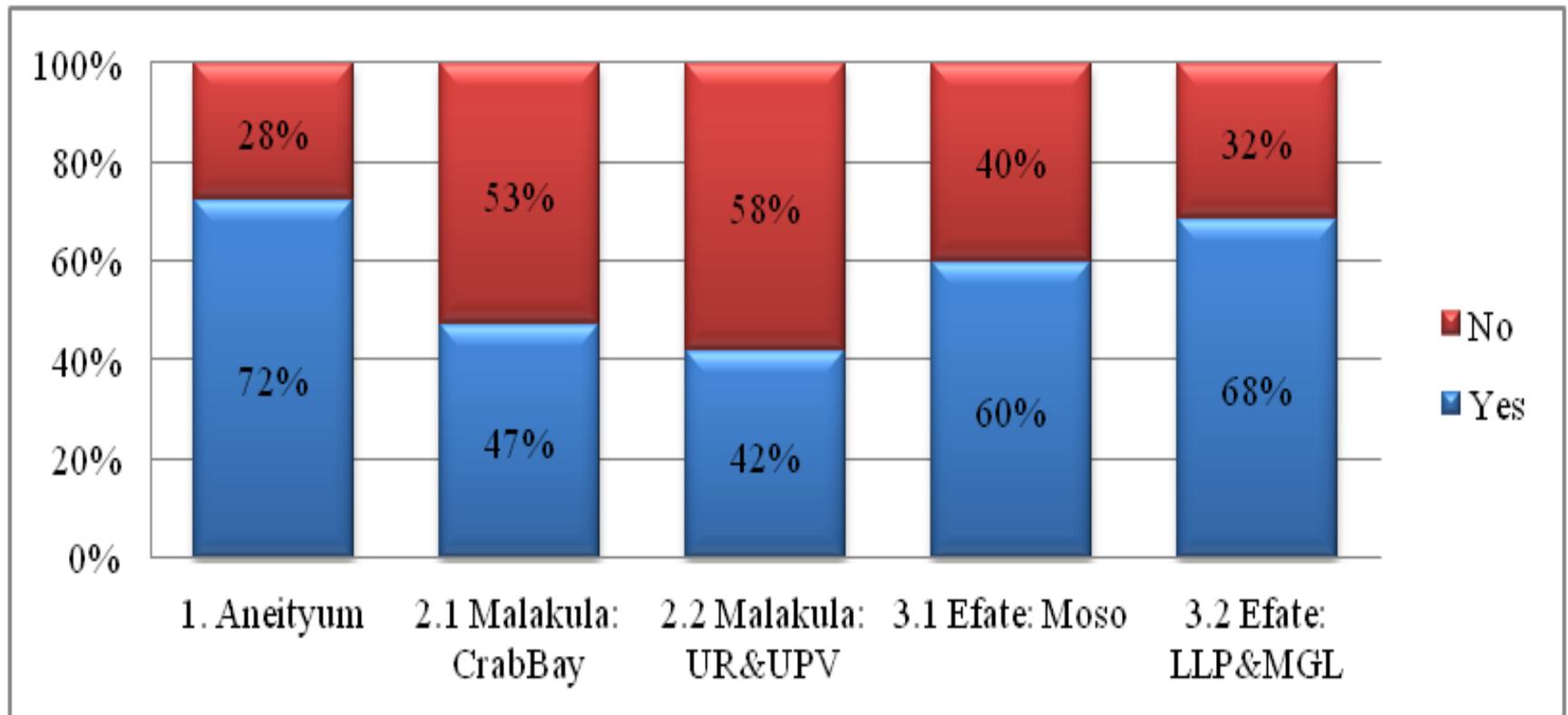
# Opinion on MPA





# •Consideration for Project Design

## Ratio of Disputes in the Community

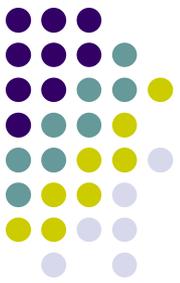


# Average Scores regarding the Gap in Social Activities

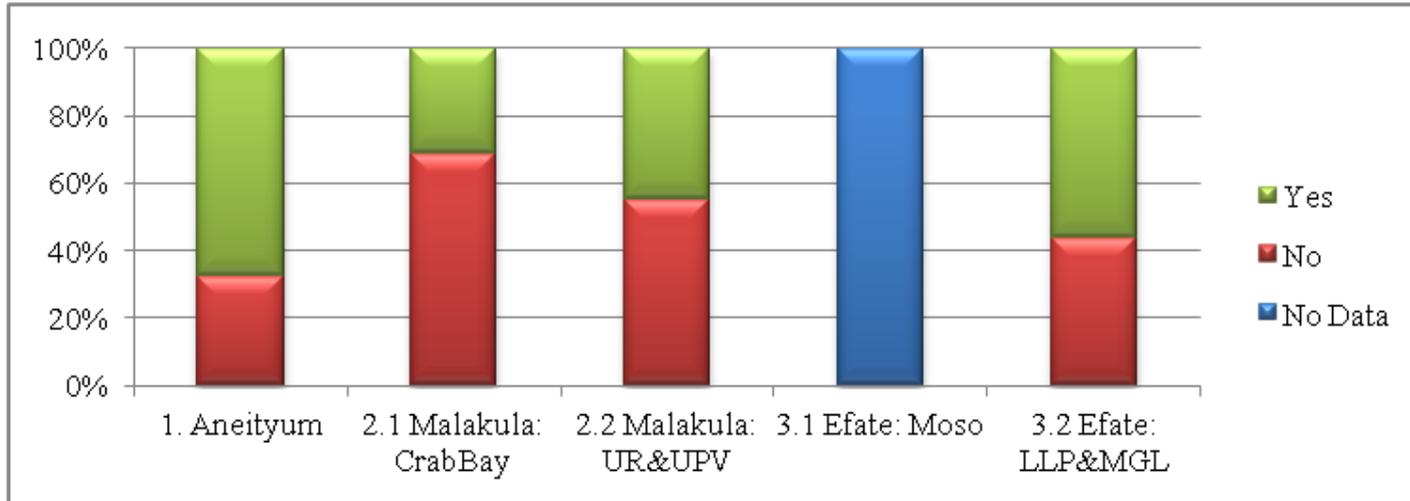


	<b>Educati on</b>	<b>Propert y</b>	<b>Land</b>	<b>Social Status</b>	<b>Generati on</b>	<b>Long and New Settlers</b>	<b>Political Party</b>	<b>Religion</b>
<b>1. Aneityum</b>	<b>1.19</b>	<b>1.64</b>	<b>2.16</b>	<b>1.38</b>	<b>1.66</b>	<b>1.83</b>	<b>2.35</b>	<b>1.82</b>
<b>2.1 Malakula: Crab Bay</b>	<b>1.23</b>	<b>1.59</b>	<b>1.73</b>	<b>1.24</b>	<b>1.33</b>	<b>1.18</b>	<b>1.17</b>	<b>1.43</b>
<b>2.2 Malakula: UR&amp;UPV</b>	<b>1.6</b>	<b>1.5</b>	<b>2.27</b>	<b>1.75</b>	<b>2</b>	<b>1.8</b>	<b>1.86</b>	<b>2.2</b>
<b>3.1 Efate: Moso</b>	<b>1.83</b>	<b>1.83</b>	<b>1.25</b>	<b>1.83</b>	<b>1.83</b>	<b>1.42</b>	<b>1.67</b>	<b>1.5</b>
<b>3.2 Efate: LLP&amp;MGL</b>	<b>1.88</b>	<b>2.12</b>	<b>2.2</b>	<b>1.96</b>	<b>2.12</b>	<b>1.96</b>	<b>2.16</b>	<b>2.08</b>

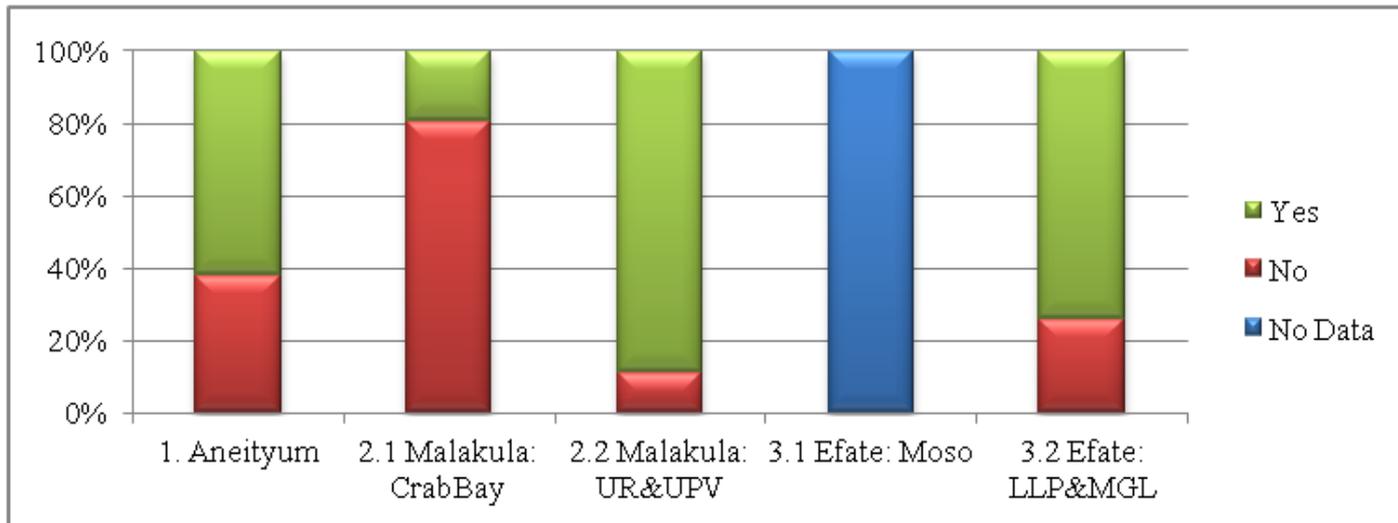
# Contribution for the Community Activities



## Money Contribution



## Time/Labor Contribution



### 3. Challenges and Project Design



## Aneityum : Challenges

- The preservation of coastal resources in MPA has been successful. However, there is a concern relating to the increase in population in Aneityum, which has led to the increased demands for protein sources from both sea and land.
- *Almost half of the community thinks that the fellow community members do not have will to maintain MPA in the future.*
- There is a necessity to handle these demands for fish catch in the reef in order to secure sustainable coastal resource management.
- Therefore, it is indispensable to provide alternative sources of protein from the offshore areas.
- Despite the successful coastal resource management in the past, the level of understanding on the coastal resource management particularly among women has been not sufficient. Therefore, there is a need to organize awareness raising on coastal resource management.

# Aneityum : Project Design:

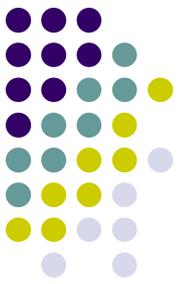
## *Transition from “ban on the fishing” to “the utilization of resources under the sustainable resource management”*



Strengthen the management capacity of MPA Committee in the following three areas.

- The first is to enable MPA Committee to handle the demands of the community, which want to utilize the increased coastal resources.
  - The second is to enhance MPA Committee’s capacity in organizing awareness raising activities in Aneityum.
  - The third is to provide alternative livelihood measures outside the reef such as fishing method by FAD under the supervision of MPA Committee.
- \*These alternative livelihood measures should be introduced in relation with the coastal resource management so that the people in Aneityum could practice sustainable utilization of marine resources.

# Malakula : Challenges



## Uri and Uripiv islands.

- In relation to the perception regarding the increase/decrease of coastal resources, about 50% of interviewees recognize the increase, while around 25% of them recognize the decrease.
- Majority of people do not want to continue the coastal resource management, are relatively high when compared with other regions.

*It is urgent to strengthen the implementation of coastal resource management providing alternative sources of protein from the offshore areas.*

## Crab Bay area

- Most of community members in Crab Bay recognize the increase of coastal resources. And their will for the continuation of MPA is the highest among all regions.
- The challenge in this region is the lower will of people to participate in community activities.

*It is considered to be challenging to organize additional community participatory activities for further improvement of coastal resource management.*

# Malakula : Project Design

## *Bring Together Different Emphasis on Individual CBCRM Activities in Both Uri and Uripiv, and Crab Bay*



The Project aim to bring these different measures together under the umbrella of Amal-Crab Bay MPA Committee in order to enhance regional capacity for sustainable resource management

### Uri and Uripiv

The Project focuses on the preservation of coastal resources, including the development of alternative livelihood measures which could help to reduce the fishing pressure in the reef through such as off the reef fishing and/or restocking of sea shell

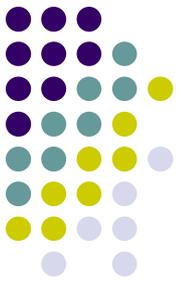
### Crab Bay area

The Project puts more emphasis on the enhancement of existing MPA Committee's activities, especially in its capacity of outreach to the community members such as promotion of value added product.

# Efate : Challenges

- The idea of North Efate regional based resource management was not realized previously by lack of cooperation mind among four communities related with this project.
- The result of questionnaire also indicates apparent decreasing trend of coastal resources in Efate, especially in Moso.

***Our survey indicate the existence of further challenge to bring the people together “Within” the community as well trough the organizing community activities in Efate.***



# Efate : Project Design:

## *Establish Working Community Activities in Each Community*



- The Project proposes the establishment of specific purpose groups, such as shell culture cage group or FAD fisher's group, which are composed of members from every community who involve in such specific activity.
- Through this specific purpose groups, the Project intends to establish the working relationship beyond the boundary of each community in Efate.