

# **US Coral Reef Task Force Meeting**

## **August 2007**

### **Pago Pago, Am. Samoa**

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**Regional Approaches to Conserving Coral Reef Ecosystem**

**SPC's regional perspective in  
applying community-ecosystem  
approach to fisheries management  
(CEAFM)**

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Secretariat of the Pacific Community (SPC)**

# INTRODUCTION

Vision  
(B)

Healthy marine environment

19/06/2006

CEAFM

FAO

FFA

Australian

Others

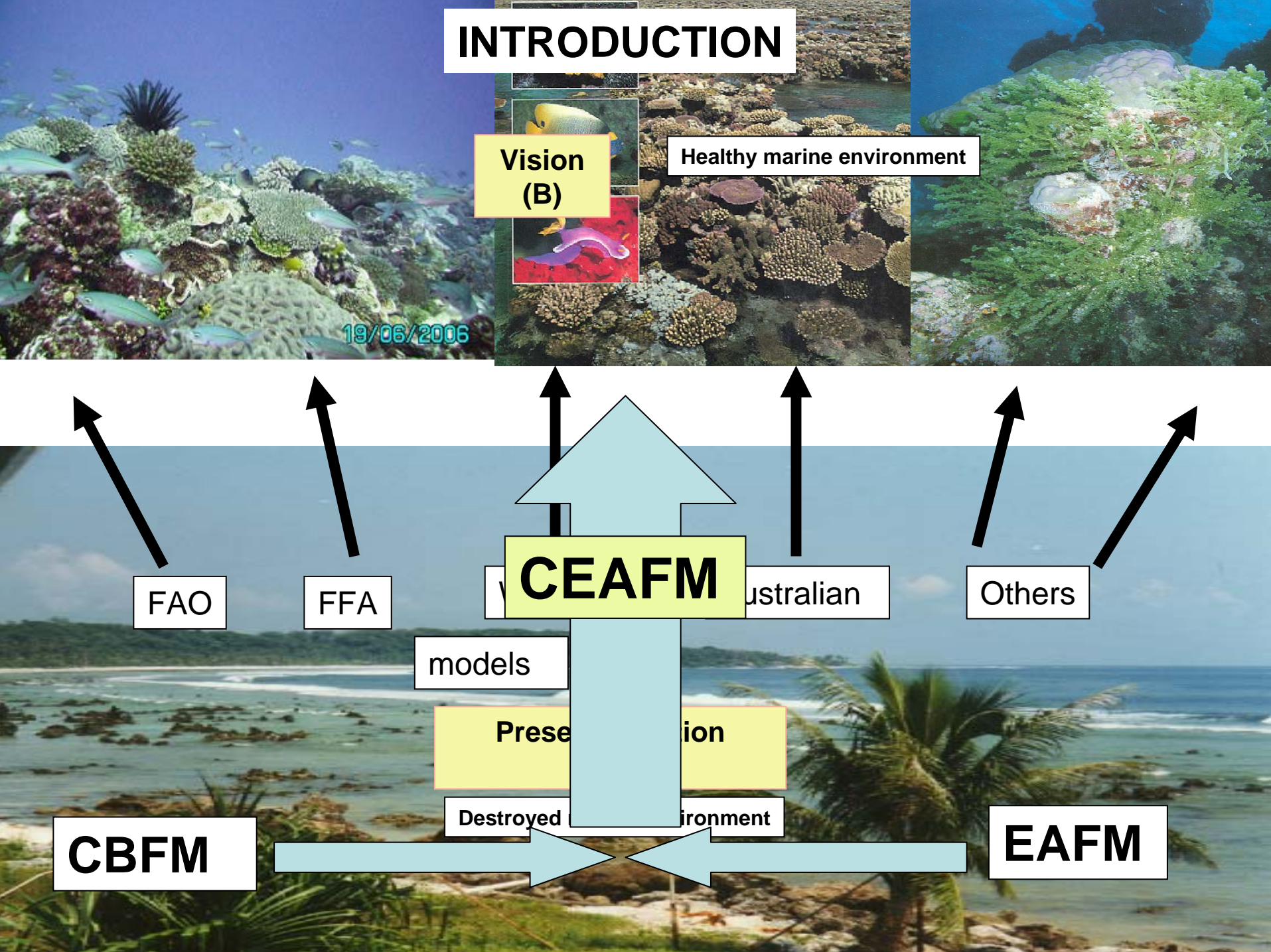
models

Preservation

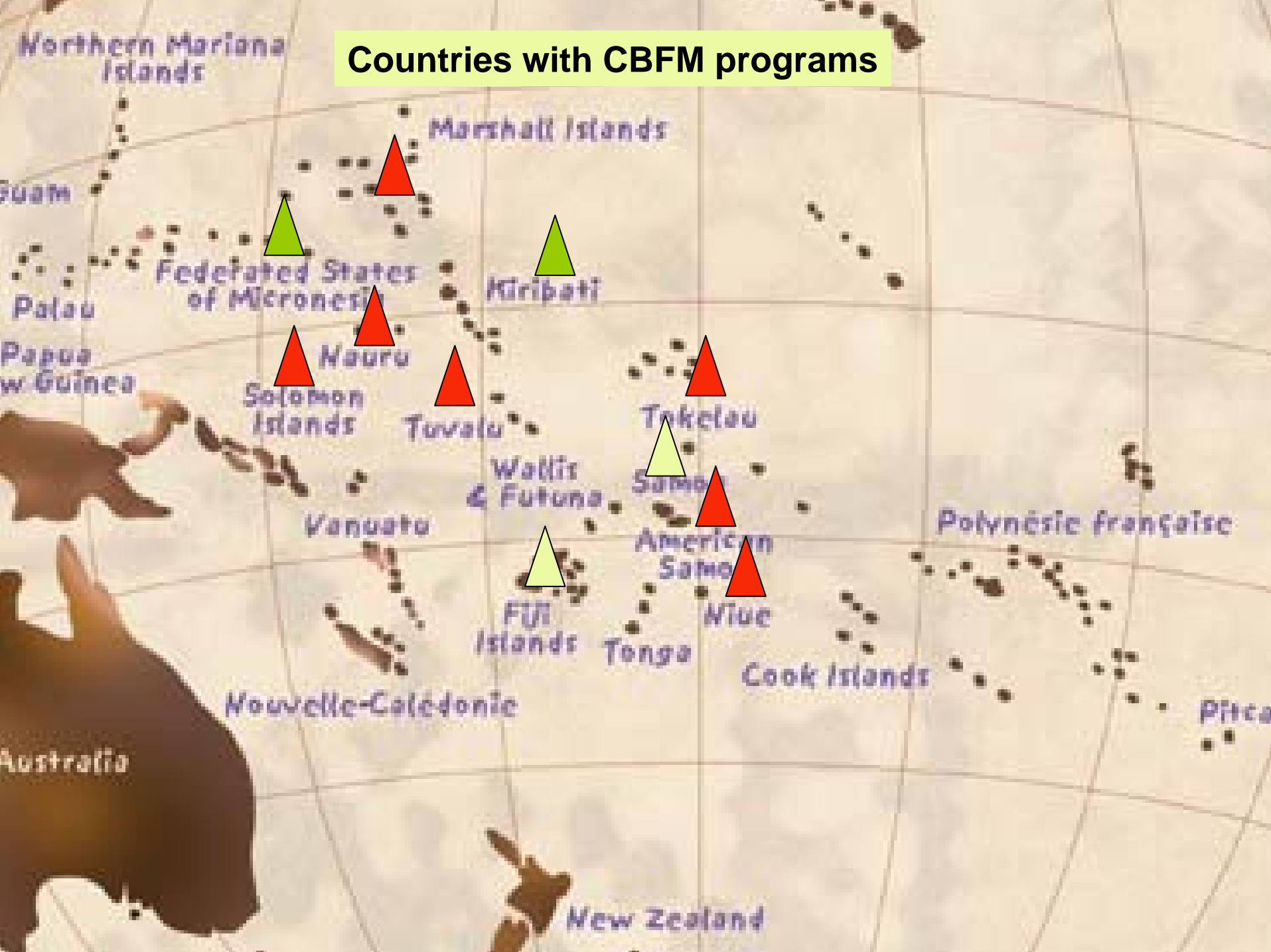
Destroyed environment

CBFM

EAFM



# Countries with CBFM programs



# **CEAFM GENERAL PROCESS**

**1. PREPARATION**

**2. DEVELOPMENT OF COMMUNITY  
FISHERIES MANAGEMENT PLAN**

**3. APPROVAL OF  
COMMUNITY FISHERIES  
MANAGEMENT PLAN**

**4. IMPLEMENTATION  
AND  
MONITORING OF THE PLAN**

**5. APPRASIAL / EVALUATION OF  
THE PLAN**

# CEAFM GENERAL PROCESS

## 1. PREPARATION

i) Preliminary Assessment

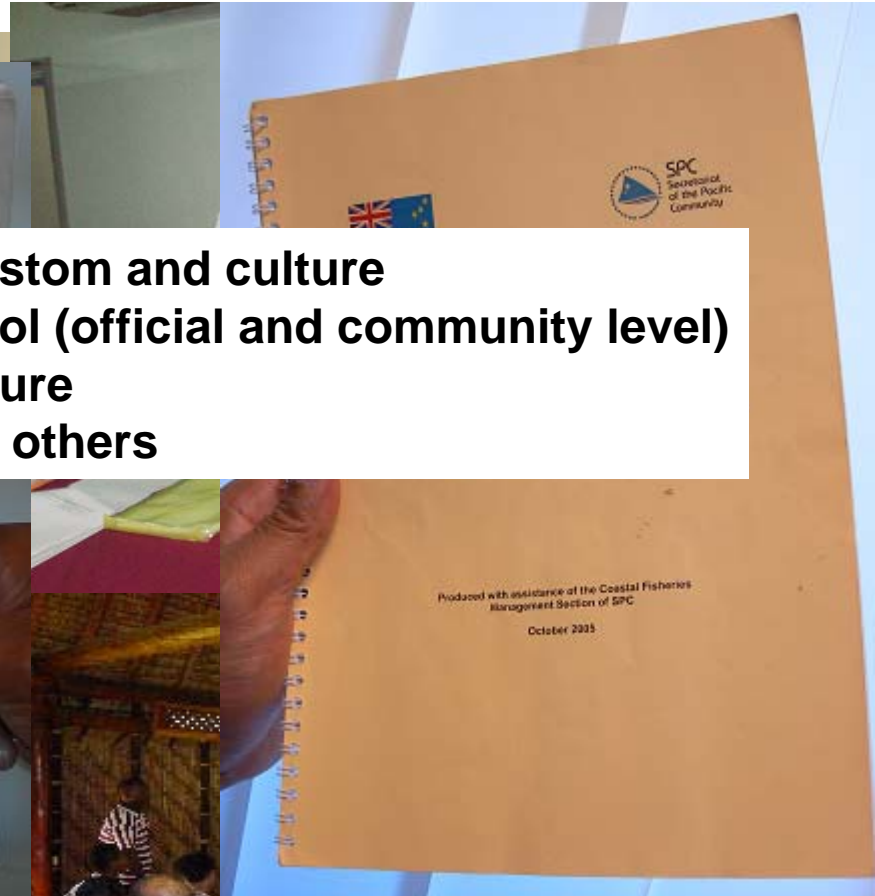
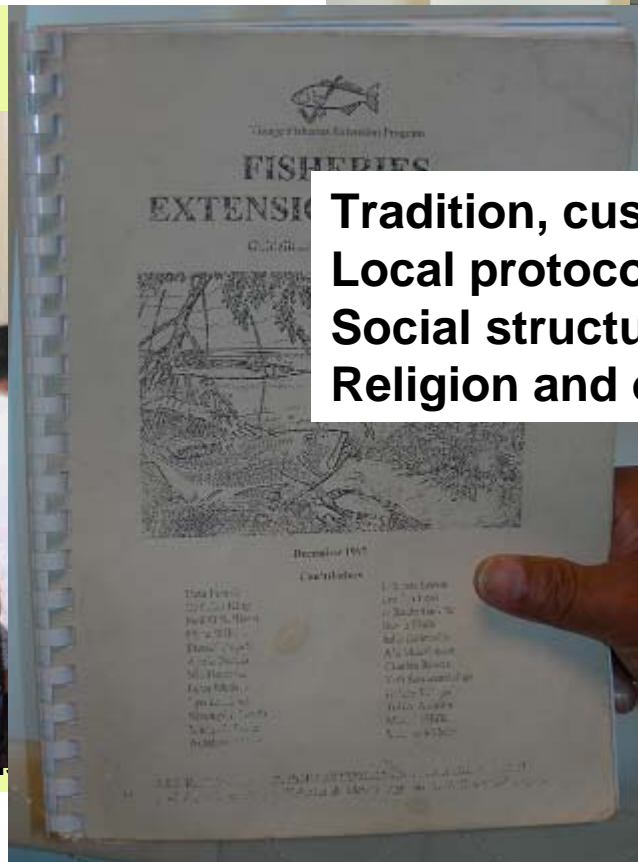
ii) Training of Community facilitators

iii) Development of a CEAFM model

• Fisheries staff

• Budget

Tradition, custom and culture  
Local protocol (official and community level)  
Social structure  
Religion and others



• Recommendation

# CEAFM GENERAL PROCESS

## 2. DEVELOPMENT OF COMMUNITY FISHERIES MANAGEMENT



Community workshops



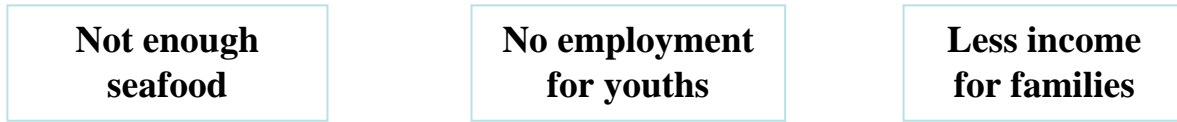
Facilitation and participatory method



# PROBLEM/SOLUTION TREE

Healthy marine environment for Am. Samoa

2. EFFECTS

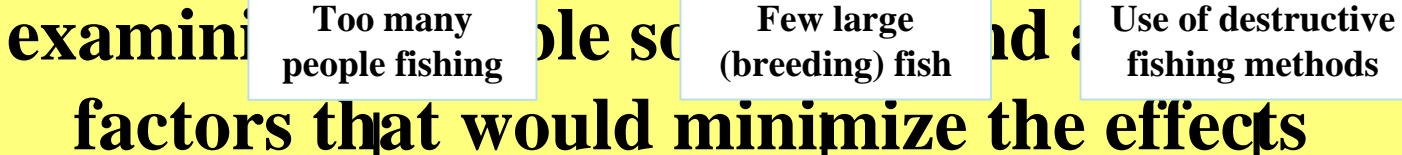


1. KEY PROBLEM

**A "problem/solution tree" is a simple method to resolve an identified problem by examining the possible causes and factors that would minimize the effects of the problem.**



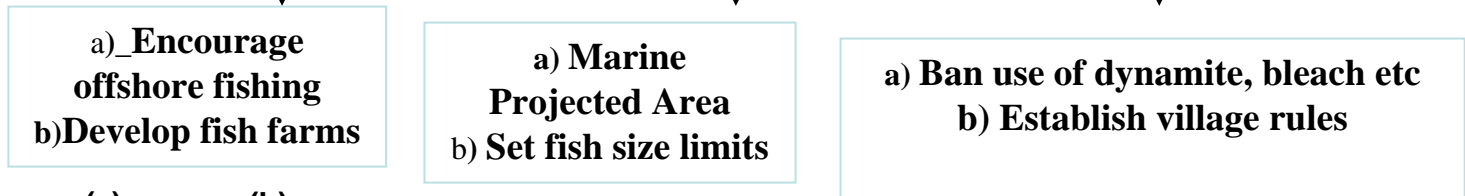
3. CAUSES



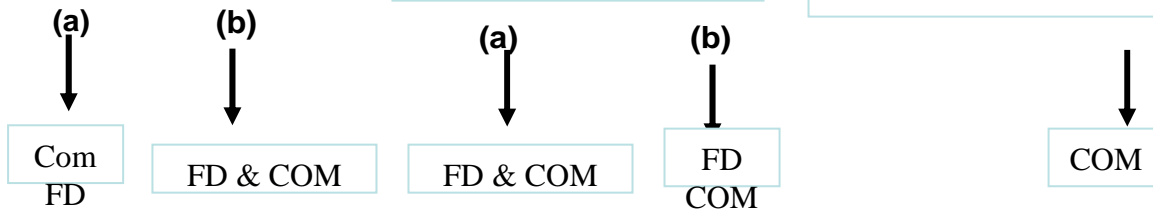
4. SOLUTIONS



5. ACTIONS



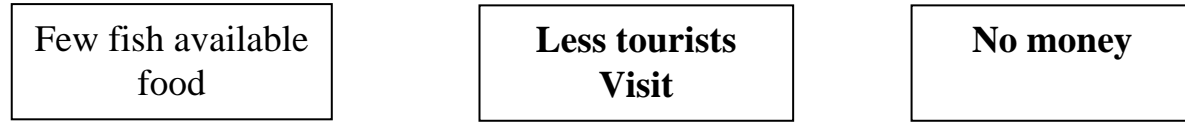
6. WHO IS RESPONSIBLE



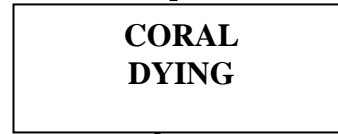
# PROBLEM/SOLUTION TREE

Fisheries resources of Solomon Islands

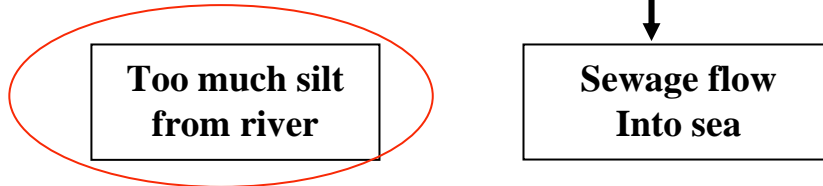
2. EFFECTS



1. KEY PROBLEM

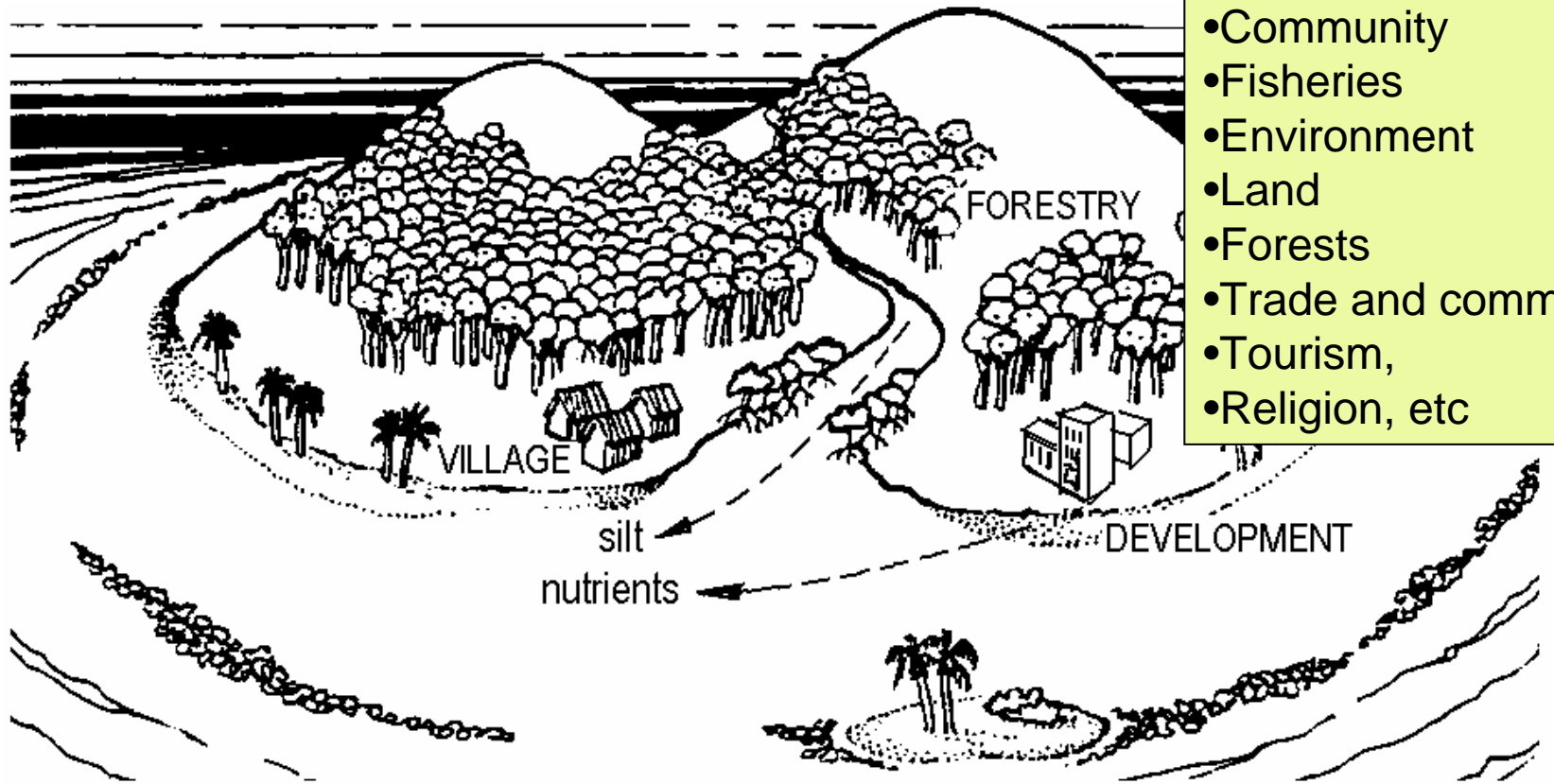


3. CAUSES





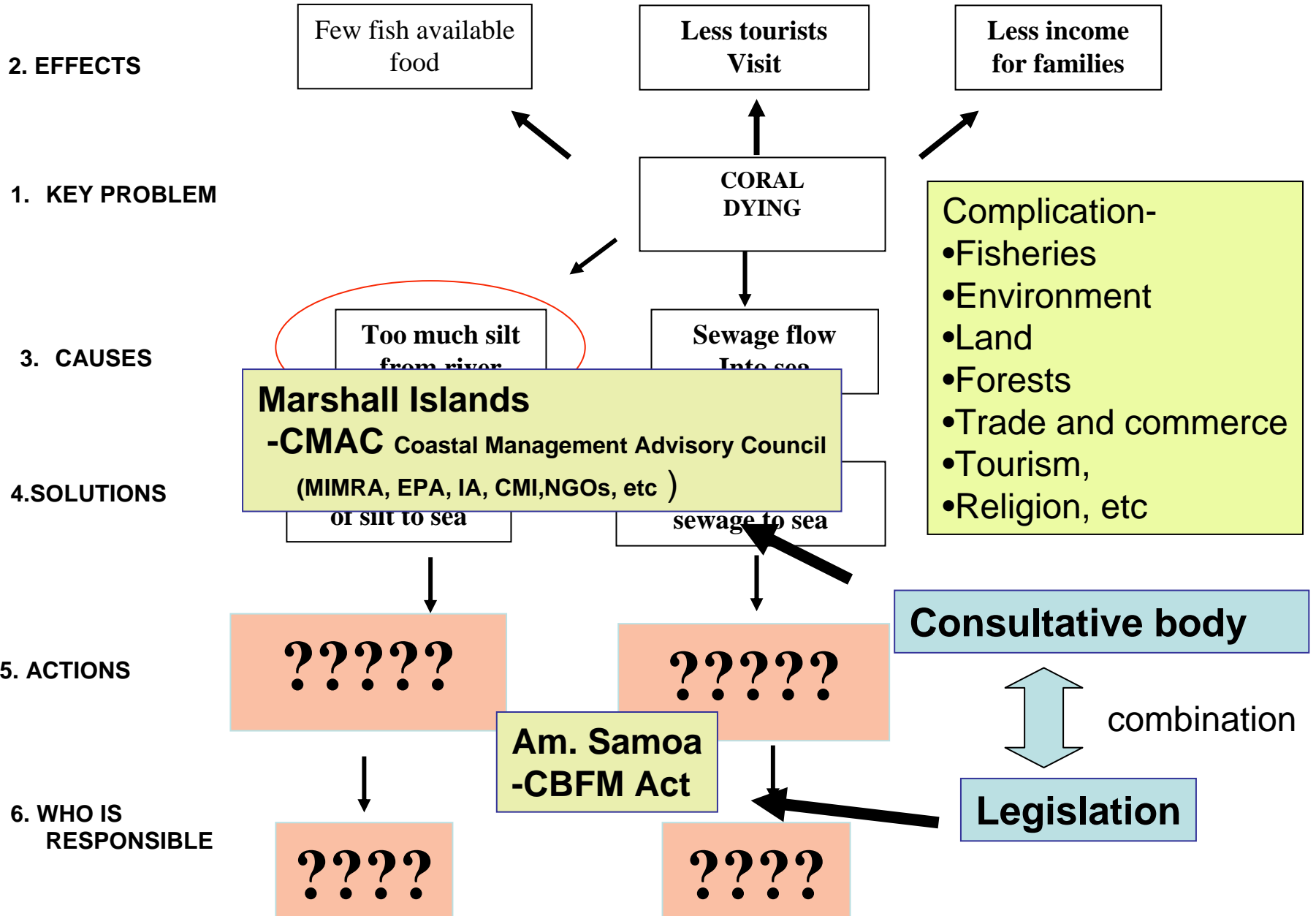
Some environmental problems have to be addressed at the national level rather than at the local level (eg by CBFM).



Complication

- Community
- Fisheries
- Environment
- Land
- Forests
- Trade and commerce
- Tourism,
- Religion, etc

# PROBLEM/SOLUTION TREE



# CEFM GENERAL PROCESS

## 2. DEVELOPMENT OF COMMUNITY FISHERIES MANAGEMENT

Facilitation and participatory method

Community workshops



# CEFM GENERAL PROCESS

## 2. DEVELOPMENT OF COMMUNITY FISHERIES MANAGEMENT PLAN

Facilitation and participatory method

Community workshops

Fisheries Advisory Committee

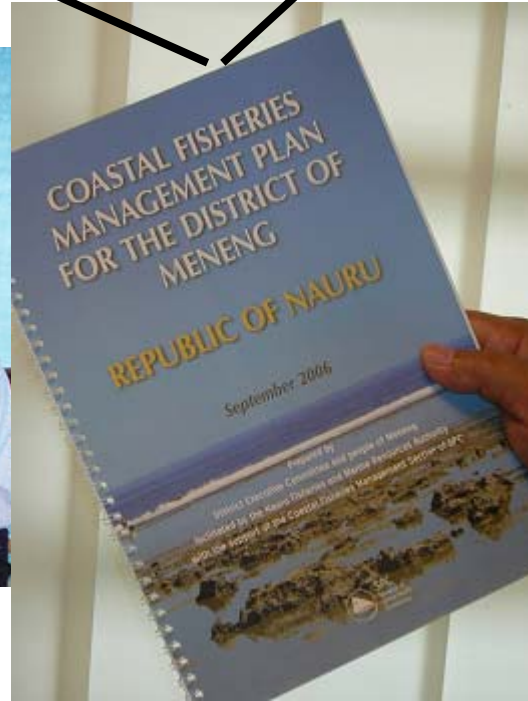
-Members-representatives of community sectors

Draft the management plan



# CEFM GENERAL PROCESS

## 3. APPROVAL OF COMMUNITY FISHERIES MANAGEMENT PLAN



# CEAFM GENERAL PROCESS

## 4. IMPLEMENTATION AND MONITORING OF THE PLAN

### Community

-Development of MPA

### Fisheries

-Development of offshore fishery



# CEAFM GENERAL PROCESS

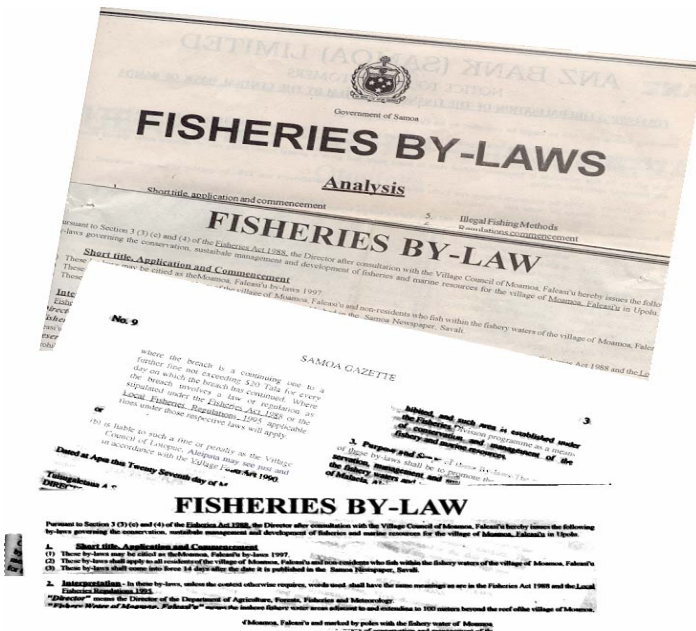
## 4. IMPLEMENTATION AND MONITORING OF THE PLAN

Community

- Development of MPA
- Fisheries by-laws (ban of destructive fishing Methods)

Fisheries

- Development of offshore fishery
- Assist in restocking their MPA



# CEAFM GENERAL PROCESS

## 4. IMPLEMENTATION AND MONITORING OF THE PLAN

### Community

- Development of MPA
- Fisheries by-laws  
(ban of destructive fishing  
Methods)
- Development of aquaculture

### Fisheries

- Development of offshore fishery
- Assist in restocking their MPA
- Run training and workshops





# CEAFM GENERAL PROCESS

## 4. IMPLEMENTATION AND MONITORING OF THE PLAN

Community

- Development of MPA
- Fisheries by-laws  
(ban of destructive fishing  
Methods)
- Development of aquaculture

Fisheries

- Development of offshore fishery
- Assist in restocking their MPA
- Run training and workshops

### **Monitoring and Enforcement**

Appointed by Community leaders (F-MAC, MEC, traditionally existed)

### **Committee to oversee the operation of the plan**

- Report to community leaders – progress  
of the plan
- Work closely with the Fisheries Department

# CEAFM GENERAL PROCESS

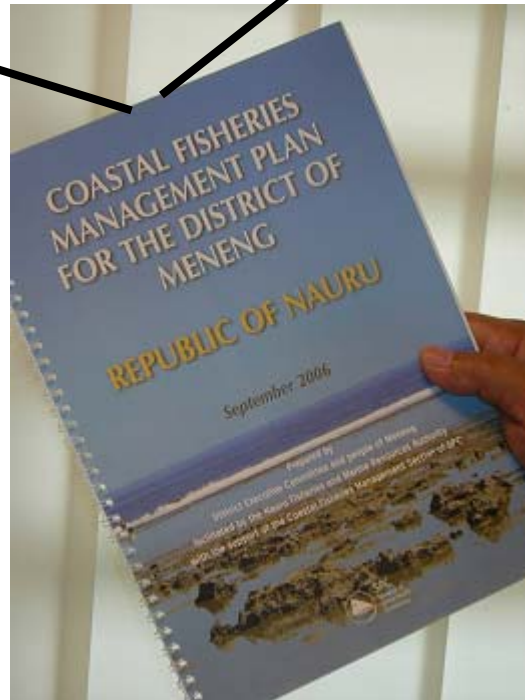
## 5. APPRASIAL / EVALUATION OF THE PLAN

### 6/12-MONTHLY REVIEW OF THE CEAFM PROGRAM

- Assess the progress of the program against its target
- How many community fisheries management plans are successfully implemented?
- How many MPAs and Fisheries by-laws have established under the program
- How well the communities carried out their obligations under the plan?
- Has the Fisheries kept up with its obligations under the plan?
- Assess challenge and how they may be overcome
- Make recommendations to help enhanced the program

**END  
OF  
PRESENTATION**

### 3. APPROVAL AND IMPLEMENTATION OF THE COMMUNITY FISHERIES MANAGEMENT PLAN





# PROBLEM/SOLUTION TREE

2. EFFECTS

Not enough  
seafood

No employment  
for youths

Less income  
for families

1. KEY P

**A “problem/solution tree” is a simple method used to resolve an identified problem by examining possible solutions and associated factors that would minimize the effects of such problem on the community**

3. CAUS

fishing in lagoon

breeding in lagoon

destructive methods

4. SOLUTI

5. ACTIONS

a) Encourage  
offshore fishing  
b) Develop fish farms

a) Marine  
Protected Area  
b) Set fish size limits

a) Ban use of dynamite, bleach etc  
b) Establish village rules

6. WHO IS  
RESPONSIBLE

Com  
FD

Com & FD

FD & COM

FD  
COM

COM

# Countries with CBFM programs

