

# **Applying Principles of Co-Management of Coastal Resources to Adaptation Planning & Implementation in Small Island States**

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## **Overview:**

- **Context - Small Island States' Vulnerability to Climate & the Need for Adaptation**
- **Basic Principles of Co-Management of Coastal Resources**
- **Application of These Principles to Adaptation Planning & Implementation**
- **Recommendations for OECD Case Study**

## **Context: Small Island States**

### *Inherent Vulnerability to Extreme Weather*

- **Small Physical Size**
- **Relatively Isolated – Surrounded by Large Expanses of Ocean**
- **Often Possess Limited Natural Resources**

## **Context: Small Island States**

### *Increasing Vulnerability to Extreme Weather*

- **Growing Coastal Urbanization & Pop. Densities**
- **Greater #'s of Squatter Settlements**
- **Rapidly Developing & Poorly Constructed Coastal Infrastructure**
- **Degradation of Coastal Ecosystems**

## **Context: Small Island States**

### *Increasing Vulnerability to Climate Change*

- **2 to 5° C Increase in Temp. by 2080**
- **Avg. Sea Level Rise of 5mm/year**
- **More Frequent Floods & Droughts**
- **Increased Coral Bleaching & Mortality**
- **Saltwater Intrusion & Reduction of Freshwater Supplies**

*Source: IPCC TAR*

## **Context: Small Island States**

### *The Need For Adaptation*

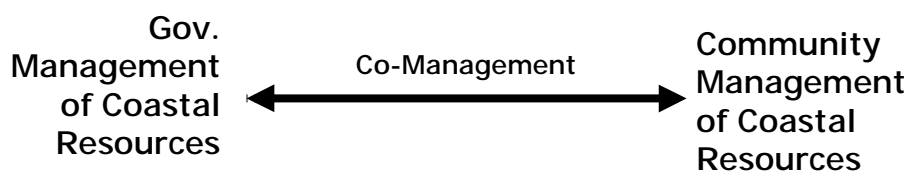
|  |           |
|--|-----------|
| Assessments of Vulnerability to Climate Change               | v         |
| Developing National Adaptation Policy Responses (i.e. NAPAs) | Current   |
| Implementing Concrete Adaptation Policies & Measures         | Next Step |

## **The Current Challenge: National Adaptation Programs of Action**

### **Community Participation is Crucial Why?**

1. Experience with Adaptation
2. Adaptation based on socio-cultural and political context of people affected
3. 'No Regrets Adaptation' – will depend on participation of communities

## **Basic Principles of Co-Management of Coastal Resources**



## Basic Principles of Co-Management of Coastal Resources

### Roles & Responsibilities for Shared Mgt.:

|             |  |
|-------------|--|
| Government  | Legal Recognition of Community Jurisdiction                      |
|             | Provide Technical Assistance                                     |
|             | Initiate Planning with Communities                               |
| Communities | Based on Gov. TA, create mgt. plans                              |
|             | Recommend specific rules and regulations                         |
|             | Carry out day to day mgt. and monitoring                         |
| Government  | Maintains open communication channels, provides external support |

## Basic Principles of Co-Management of Coastal Resources

### Example: AusAid Program in Samoa

- **1995 – Fisheries Division enacts policy framework for shared management**
- **1996 – Fisheries Division sent extension officers to 10 communities to develop mgt. plans**
- **By 1999 – 53 communities had developed coastal mgt. plans**

*10 Communities Added/Year*

*Cost: US \$81,000/yr*

**Application of Co-Management to Adaptation  
Planning & Implementation**

***Based on Vulnerability Assessments,  
Gov. Initiates a Process of Social  
Learning with Communities in a  
Partnership to Develop National  
Adaptation Program of Action.***

**Application of Co-Management to Adaptation  
Planning & Implementation**

**Basic Steps to Planning National  
Adaptation Policies with Communities:**

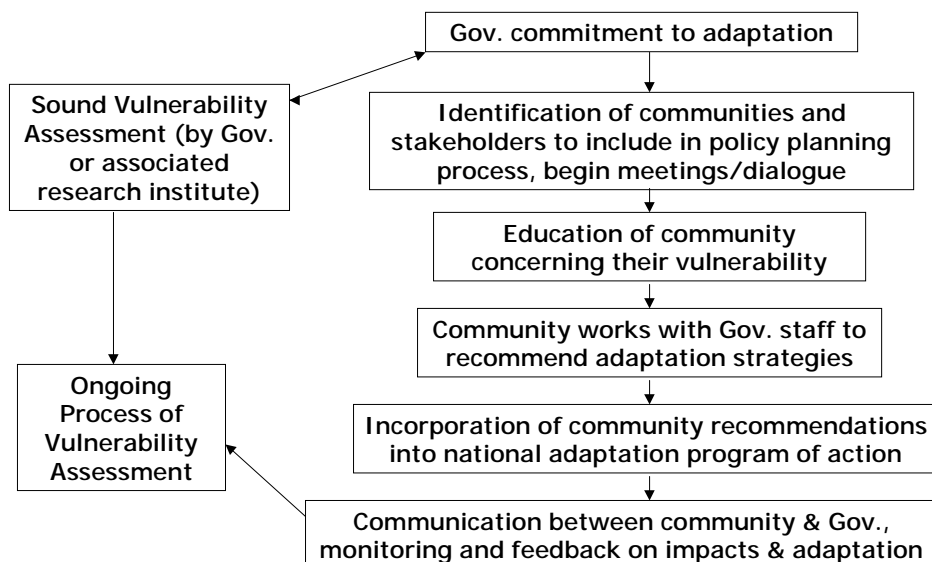
- **Community Entry & Integration**
- **Community Assessment**
- **Education & Information**
- **Core Group Mobilization**
- **Recommending Adaptation Policies**
- **Policy Development**

## Application of Co-Management to Adaptation Planning & Implementation

### Critical Factors for Implementation:

- **Adaptation Policy includes communication channels between Gov. & communities**
- **Adaptation Policy recognizes community jurisdiction over certain natural resources and implementation responsibilities**

## Full Cycle of Community-Based Adaptation Planning & Implementation



## **Recommendations to the OECD for Case Studies**

***Country-Wide Case Study on the Development of A  
Community-Driven National Adaptation Program of  
Action in a Small Island State that has:***

- **Government commitment to Adaptation**
- **Solid foundation of vulnerability assessment**
- **Strong local civil society to assist with extension**

**Result: Guide for how countries can plan and implement development paths that promote adaptation, and involve the communities and stakeholders in the process.**