

PATHWAYS FOR INDIGENOUS KNOWLEDGE ENGAGEMENT ON MARINE BIODIVERSITY CONSERVATION

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BACKGROUND

PEER – RESEARCH & DEVELOPMENT

DEVELOPMENT CONTEXT

Population living in coastal areas
64.7M in year 2000 in 822
of 1,502 municipalities

4 of 10 coastal residents live
below poverty line

Average income in rural coastal
areas: P50 – P150 daily (\$1 to \$3)



BACKGROUND

STRONG FOCUS ON CULTURAL-BASE

“Local people are capable of understanding and resolving many of their environmental problems because they possess the experience and knowledge to identify and design appropriate management strategies” - Burkey 1993

AGENDA: ENGAGING COASTAL PEOPLE IN DEVELOPMENTAL ACTION RESEARCH



SPECIFIC RESEARCH OBJECTIVES

- 1) Define the relationship of the people living in the coastal barangays with their marine resources (CULTURAL CONSENSUS THEORY) using methods developed by USG funded partners MEDIN & BANG**
- 2) Identify local perceptions of biodiversity and the local concept of a marine bioregion as a platform for initiating a bioregional approach in education**

METHODS - PARTNERS

NATIONAL FISHERFOLK ORGANIZATION

&

NORTHERN PHILIPPINE SEA BIOREGION

- 1) The PAMANA membership communities, with emphasis on up to 60 strategically located sites in 4 of the 6 biodiversity based Philippine marine bioregions.**
- 2) Selected fisherfolk communities identified through a collaborative approach within the North Philippine Sea marine bioregion.**

RESEARCH RESULTS

1) ONE QUARTER MILLION DATA ENTRIES COLLECTED, HALF ACROSS NORTHERN PHILIPPINE SEA FROM 1000 FISHERFOLK IN 10 PROVINCES

2) ANALYSIS: APPROXIMATELY 100 AREAS OF CULTURAL CONSENSUS AT DIFFERENT GEOGRAPHIC AND ORGANIZATIONAL SCALES - HELPING TO DEFINE CURRICULUM DESIGN STRATEGY & BEST PRACTICE TRANSFERS TOWARDS THAT GOAL

INITIAL DEVELOPMENT APPLICATIONS BEST PRACTICE TRANSFER

- 1) KALMADABA - DEVELOPMENT OF A FISHERFOLK LED MARINE PROTECTED AREA**
- 2) YOUTH ENVIRONMENT LEADERSHIP AMBASSADORS IN BALER, AURORA**
- 3) ASSESSMENT OF PROTEIN NUTRITION OF FISHERFOLK, PREGNANT MOTHERS & YOUNG CHILDREN ACROSS 32 AURORA COMMUNITIES**
- 4) STRENGTHENING OF AURORA PROVINCE MARINE PROTECTED AREA NETWORK**
- 5) PAMANA ALLIANCE OF FISHERFOLK MPA MANAGERS - ESTABLISHING RESILIENCE TO POTENTIAL CLIMATIC CALAMITIES**
- 6) DISSEMINATION OF MODEL COASTAL RESOURCE MANAGEMENT DESIGN TO NORTHERN PHILIPPINE SEA BIOREGION**