

Engaging communities in marine conservation: examples from "Sea, our life"

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IT'S TEAMWORK!













WORLDWIDE ISSUES

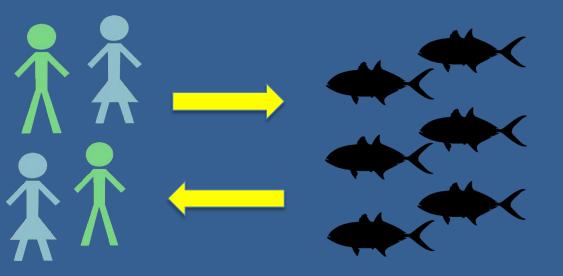
- Catch decline
- Ineffective centralized top-down approaches
- Lack of government resources



- Community participation
- Marine spatial planning for protection
- Co-management



OMALI VIDA NÓN (SEA, OUR LIFE)



Project aims to promote better management of marine resources through the participation of those who are mainly affected - fishers and fish traders.









STUDY AREA



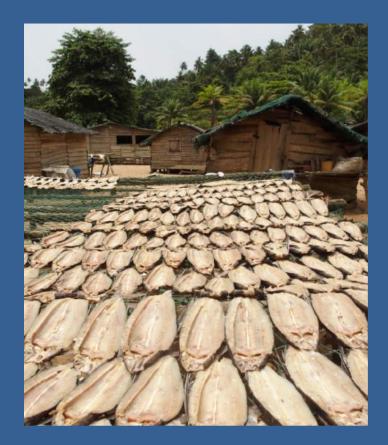
- Around 8,000 ppl
- Area of 136 km²
- Declared a Biosphere Reserve in 2012
- Nationally, 62% below poverty line
- Reliance on subsistence farming and fisheries



IMPORTANCE OF SMALL SCALE FISHERIES IN PRINCIPE

 Income: artisanal fishing is the main source of income for a large part of population





Food: fish is an essential part of local diet



A. Use focal points from target communities





EXAMPLE: LANDING SURVEYS



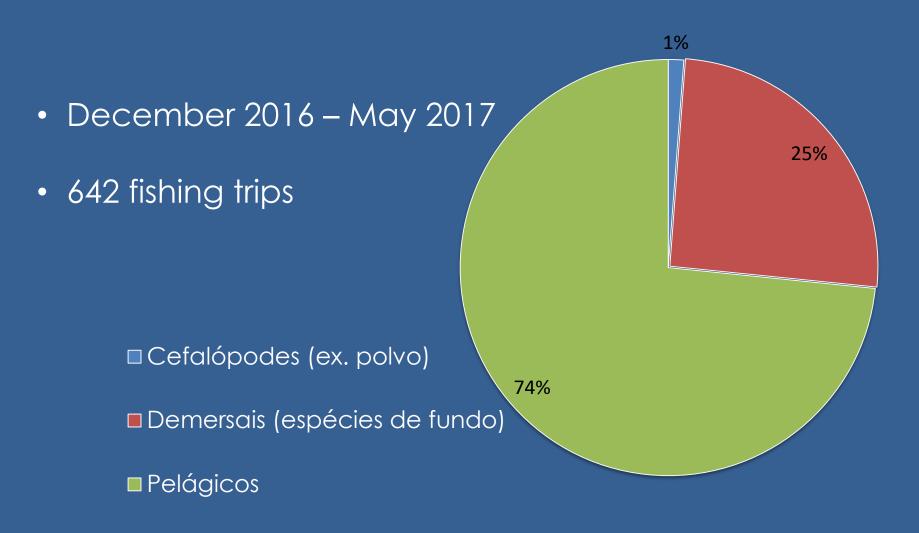


Data collection done twice a week:

- Fishing effort
- Total catch
- Individual weights and measures (for indicator species)

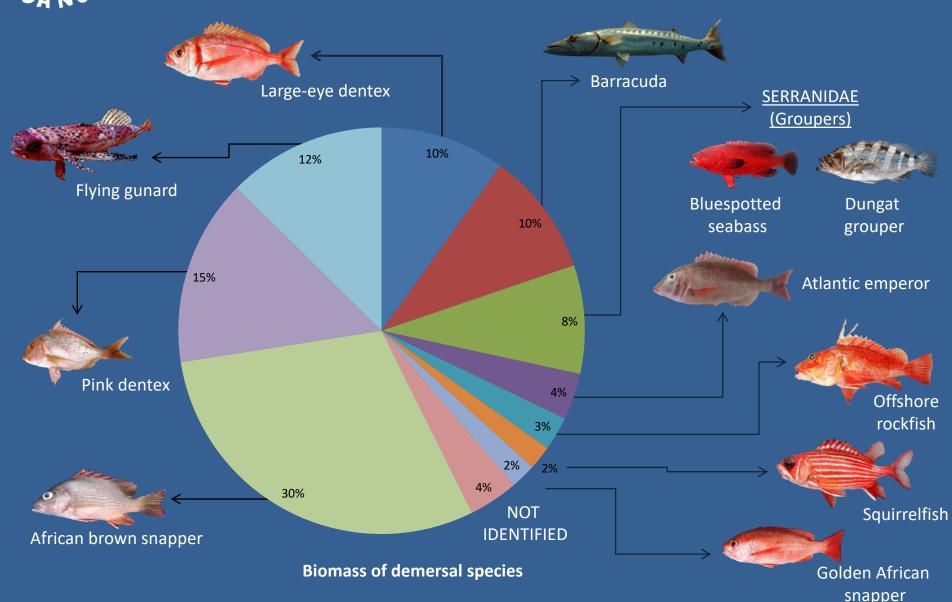


LANDING SURVEYS: PRELIMINARY RESULTS





LANDING SURVEYS: PRELIMINARY RESULTS





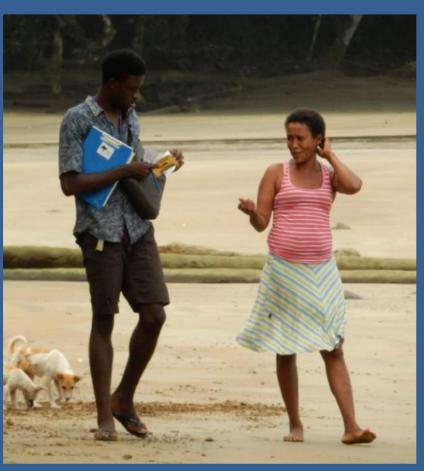
B. Hire locally and build capacity





EXAMPLE: SOCIAL SURVEYS

Questionnaires in Feb-Mar 2017



6 coastal fishing communities and 5 randomly selected non-coastal rural communities

Questions about sociodemographics, economics, use and management of natural resources

869 people interviewed

including 155 fish traders e 200 fishers



SOCIAL SURVEYS: PRELIMINARY RESULTS

Perceived changes during last 10 years according to surveyed fishers and fish traders (N=355)

	Increased	Decreased	Same	Don't know/ No answer
Catch	10%	67%	11%	12%
	(36)	(239)	(39)	(41)
Available	8%	48%	14%	29%
fish at sea	(29)	(172)	(51)	(103)
Fish size	5%	29%	43%	24%
	(16)	(104)	(151)	(84)
Fish diversity	4%	27%	45%	25%
	(14)	(96)	(158)	(87)



SOCIAL SURVEYS: PRELIMINARY RESULTS

According to fishers and fish traders (N=355):

What affects fish abundance at sea?

1: Small mesh size nets (37%)

2: Industrial fisheries (29%)

3: Fishing in the bays (23%)

What should be done so that there is more fish available at sea?

1: Stop use of small mesh size nets (42%)

2: Stop fishing in the bays (32%)

3: Control industrial fisheries (24%)



C. Identify and meet key actors early on. Be neutral / act as facilitator

Table 1. Key actors playing a role in the use, management and conservation of coastal and marine natural resources in the Príncipe Island, and their main roles.

Name	Туре	Main roles	
Fish consumers	Independent	Demand for fish and seafood at multiple scales (local, regional, national and international). Average annual fish consumption in the country is one of the highest in Africa (27.2 kg per person; FUS 2013).	
"Artisanal" fishermen	Independent though some part of associations	Mainly responsible for catching fish and other seafood.	
Palaiês (Fish traders)	Independent though some part of associations	Mainly responsible for preparing, transporting and selling fish and other seafood within their local communities and at market.	
Artisans	Independent though some part of cooperatives	Typically involved in the arts and craft trade, including turtle shell products.	
Turtle Poachers	Independent	Involved in the illegal take of adult female marine turtles and eggs from nesting	



EXAMPLE: COMMUNITY WORKSHOPS





COMMUNITY WORKSHOPS: SOME RESULTS

COM PALAIÊS DA CAMPANHA Em Outubro/Novembro 2016, a equipa do projecto "Omali vida nón" visitou a comunidade da Campanha e convidou todas as palaiês para uma discussão em grupo.

Nesta discussão, aprendemos sobre a vida de palaiê na Campanha, as suas dificuldades e ideias sobre como melhorar a pesca artesanal no Príncipe de modo a melhorar a vida das comunidades piscatórias.

7 palaiês estiveram presentes e partilharam as suas opiniões.

14 workshops

Participants: 142 people (73 men and 69 women)

O OUE DISSERAM AS PALAIÊS DA CAMPANHA?

SER PALAIÊ É BOM PORQUE..

As palaiês mencionaram alguns aspectos positivos da sua vida de palaiê:

Fonte de rendimento

DISCUSSÃO

EM GRUPO

- Alternativa estável quando há falta de outras oportunidades de emprego
- Satisfação professional e pessoal

MAIORES PROBLEMAS SÃO...

Na opinião das palaiês, os problemas que afectam mais a sua ocupação são:

- 1º: Falta de material e energia para conservação de pescado
- 2º: Dificuldade no transporte para a cidade

PASSADO E FUTURO...

Segundo as palaiês, no passado:

- havia mais peixe;
- peixe era maior;
- havia menos pesca submarina.

PARA MELHORAR A PESCA...

Na opinião das palaiês, para melhorar a situação da pesca artesanal no Príncipe é



D. Give back



O projeto "**Umuen vida no/ Omali vida nón**" foi criado para <u>juntos</u> tentarmos resolver os desafios atuais no sector da pesca artesanal no Príncipe. O projeto tem como objetivo produzir benefícios para as comunidades piscatórias (pescadores e palaiês) e os recursos marinhos.

LEVANTAMENTO DE DADOS DE PESCA Desde Dezembro de 2016, a equipa de Omali Vida Nón tem andado a levantar dados de pesca nas seis comunidades do projeto, incluindo a Praia Burras. Estes dados nos permetem a todos conhecer melhor e aprender sobre a pesca no Príncipe. Nesta folha foram sumarisados os resultados dos dados levantados de **Dezembro a Maio**.

Viagens de pesca

20 viagens de pesca são feitas cada semana.

Capturas totais 650 kg de peixe são capturados na Praia Burras cada semana. Outros Peixe voador (250 kg / semana) Bonito (100 kg) Concon (100 kg)

Pesca por arte de pesca e zona As zonas de pesca mais frequentadas pelos pescadores de Praia Burras são Raso e Marmita. As artes de pesca mais usadas pelos pescadores de Praia Burras são Rede Voador e Toca. A arte de pesca mais usada em Raso é a Toca e em Marmita é a rede voador. Bonito = 19 Kg / sem. Fulu fulu = 5 Kg / sem. Olho Grosso = 4 Kg / sem. Corvina = 3 Kg / sem. Rede voador Voador = 1 Kg / sem. Concom = 0.5 Kg / sem. Voador = 25 kg / semana Bom-Bom Marmita Comunidades Número de barcos



E. Illustrate with other successful examples







EXAMPLE:MAPPING FISHING AREAS



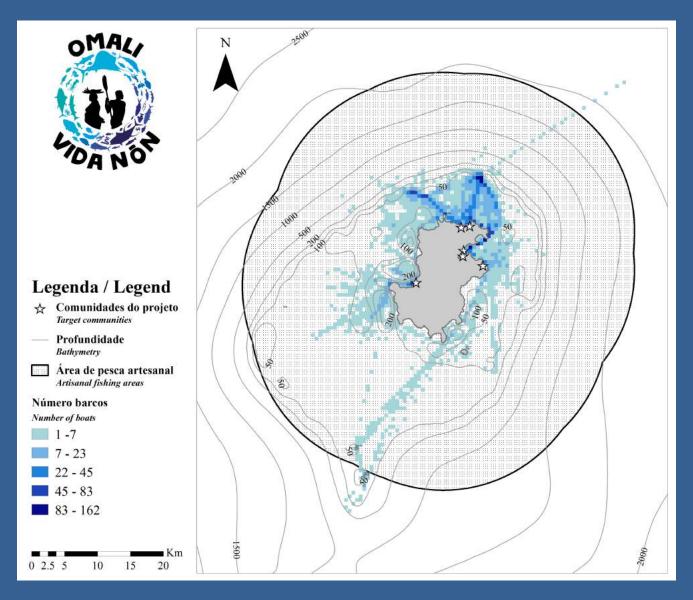
GPS trackers distributed in 6 target communities in Fev 2017

32 fishers (5-6 per community)

Ongoing until Feb 2018



MAPPING FISHING AREAS: PRELIMINARY RESULTS





F. Assess and be clear about expectations





EXAMPLE: COMMUNITY IDEAS







1. Ideas proposed by fishing communities





Developing skills
for management
 of natural
 resources and
 conflict
 resolution

3. Financial and environmental



G. It's not all about work



James Tremlett

27 June at 21:46 · 1

Best community meeting ever: a local forum for learning exchange between the female fish vendors of São Tomé & Príncipe. We brought pens and notebooks, they brought the sound system and palm wine.



EXPECTED OUTCOMES

- Improved life conditions of fishing communities
- Better management and conservation of marine resources
- Implementation of tested and successful solutions

Participation + Spatial planning + Co-management





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