

Questionnaire "Local communities and use of natural resources in the Island of Principe" and I work on a project called "Omali vida nón". I am doing questionnaires about how people use natural resources (e.g. fishing) and would like to ask you some questions. This information will be used to know people's opinions about our project and plan next initiatives about fishing in Príncipe. Your participation in this study is voluntary and you can stop the questionnaire at any time. This study is being conducted by the University of Exeter in the UK in partnership with the Principe Trust Foundation. When we finish this work, there will be a public summary and presentations in each community for everyone to find out results. But we will never release data that allows identifying specific people; the information presented will be totally anonymous. You do not need to know how to read or write, it's just a conversation. The questionnaire takes about 20 minutes. Your participation in this study is very important for us to know everyone's opinions. May I continue with the questions?" [If **NO**, fill in work registration sheet and end questionnaire here] Are you a resident of this community? [Residents live 6 months or more in specific accommodation] [Choose one option] Yes / No 18 years old or older? [Choose one option] Yes / No [If YES for both questions, fill in work registration sheet and continue questionnaire] Interviewer: \_\_\_\_\_ Community: \_\_\_\_\_ Date: \_\_\_\_ Start time: \_\_\_\_ House number (or other information so that we can find house): SECTION A: Sociodemographic information at individual level [Fill in for everyone] **1. Gender:** [Choose one option] *Male / Female* 2. Name and nickname: \_ 3. Are you the head of this household? [Choose one option] Yes / No [If **NOT** head of household, ask:] 3.1. Name and nickname of head of household: 4. Age: \_\_\_\_\_ 5. Until when did you attend school? [Choose one option] a) Grades 1-4 c) Grades 10-12 e) I can't read or write

- b) Grades 5-9
- d) University

#### 6. What's your main occupation? [Choose one option]

a) Farmer

c) Fisher/ Fish trader

b) Merchant

d) Other [Which one?]:\_\_\_\_\_

#### 7. Where were you born? [Choose one option]

a) Príncipe

- b) São Tomé c) Abroad [Where?]: \_\_\_\_\_

#### 8. Are you a member of any association? [Choose one option] Yes / No

[If **YES**, ask:]

#### **8.1. What type of association?** [Multiple options allowed]

a) Fisheries

- c) Youth
- e) Residents/community

b) Farming

- d) Sports
- f) Other [Which one?]:

#### SECTION B: Sociodemographic information at household level [Fill in only for head of household]

1.1. How many people live in this house? (including head of household)	Number of male adults (18 or older): Number of female adults (18 or older): Number of male children (0 to 17 years old):
Including head of household	Number of female children (0 to 17 years old):

2. What types of activities are done by the people in this household (including head of household) to get food or money?

Activities	Is this done?
Fishing	Yes / No
Spear fishing	Yes / No
Farming	Yes / No
Animal farming	Yes / No
Hunting (monkeys ou civets)	Yes / No
Hunting (birds or bats)	Yes / No
Collection of bush plants	Yes / No
Collecting honey	Yes / No
Catching land snails	Yes / No
Other:	Yes / No

2.1.1. Among the activities done by people in this household mentioned in the previous table, which is the most
important for the household in terms of money?

**2.1.2.** [Ask only if they fish:] On average, how often do you fish? [Choose  $\underline{one}$  option]

a) Almost every day

b) Almost every week

c) Once a month or less

3. Which of these things have you got in your household? [Fill in table:]

Item	Own it?	Item	Own it?	Item	Own it?
Radio	Yes / No	Fan	Yes / No	Bike	Yes / No
TV	Yes / No	DVD	Yes / No	Private motorcycle	Yes / No
Antenna	Yes / No	Fridge	Yes / No	Private car	Yes / No
Landline	Yes / No	Generator	Yes / No	Kiosk	Yes / No
Mobile phone	Yes / No	Computer	Yes / No		

4. What is the predomina	ant building material of the h	nouse walls? [Choose one	option
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a) Masonry

c) Used wood

e) Palm trees or bamboo

b) Fitted wood made for construction

d) Prefabricated

f) Zinc

# **SECTION C: Detailed information about fishing [Only for** <u>fishers</u>]

## 1. When you go fishing, what type of fishing do you usually do? [Fill in table:]

Type of fishing	Used?
Surface trawling	Yes / No
Longline	Yes / No
Spear fishing	Yes / No
Demersal longline	Yes / No
Mid-water trawling	Yes / No
"Pingué"	Yes / No
Vertical longline	Yes / No
Purse seine fishing ("Rede brisa")	Yes / No
Purse seine fishing ("Cerco")	Yes / No
Gill/drift net	Yes / No
Other [Which one?]:	Yes / No

2. Individual experience of fishing, expenses (maintenance, processing) and income [Fill in table:]

2. Individual experience of fishin	g, expenses (n	naintenance, processing) and income [Fil	i in table:j
Number of years of experience fishing		_	
Number of fishing days per month [Choose one option]		1-5 / 6-10 / 11-15 / 16-20 /	/ 21 – 25 / 26 – 30 days
Average fishing trip duration [Choose one option]	0 – 1	hours / 2 – 5 hours / 6 – 12 hours / 12	– 24 hours /1 – 2 days /> 2 days
How much money do you earn fish per:  [Choose unit and write value of the content		day / week / month	STN
How much money do you spend [Choose unit and write value of the content of the co	·	day / week / month	STN
How much money do you spend [Choose unit and write value of the content of the co	·	day / week / month	STN
How much money do you spe per:		day / week / month	
[Choose unit and write va	pend on		STN STN
maintenance and repair of fis (e.g. nets) per:	shing gear	day / week / month / year	
[Choose unit and write v	_		STN
How much money do you sp maintenance and repair of b		day / week / month / year	
[Choose unit and write va	alue]		STN

		[If YES, ask:]  How many times per year do you ship fish to sell in São Tomé?	times per year
Do you normally ship fish to sell in São Tomé? [Choose <u>one</u> option]	Yes / No		bags of Balao halfbeak ("maxipombo") [How many per bag?]
		How much fish per trip do you ship to São Tomé?	bags of flying fish ("voador") [How many per bag?]
			kg of large fish ("peixe grosso")

# **3.** In your opinion, what are the main actions that should be done within <u>this community</u> to improve livelihoods of <u>fishers</u>? [Choose only <u>three options</u>]

- a) Increase amount of fish at sea
- b) Strengthen fisheries associations
- c) Provide fishing gear and repair equipment
- d) Create other employment opportunities
- e) Provide training

- f) Raise fisher's awareness about sustainable fishing practices
- g) Involve fishers and fish traders in fisheries decisions
- h) Provide credit to fish traders
- i) Other: \_\_\_\_\_

## **SECTION D: Detailed information about fish trading** [Only for <u>fish traders</u>]

1. Individual experience of fish trading, expenses (maintenance, processing) and income [Fill in table:]

		8,	(	8,	1		
Number of years of							
experience trading fis	sh						
Number of days per							
month selling fish			1-5/6-10/1	1-15 / 16-20 / 2	21 – 25 / 26 – 30 days		
[Choose one option]							
How much money do y	ou earn from	selling fish					
р	er:		day / we	ek / month			
[Choose unit a	and write valu	e]			STN		
How much money do	you spend o	n fish per:					
			day / we	ek /month			
[Choose unit a		_			STN		
How much money do	you spend o	n salt per:					
			day / we	ek /month			
[Choose unit a					STN		
How much money do	you spend o	n ice per:	. ,				
fol to			day / we	ek /month			
[Choose unit a		_			STN		
How much mone							
maintenance and rep	air of the ma	teriai per:	day / week / month / year				
[Chassai+.		-1			STN		
[Choose unit a	sell your fish				3110		
How do you	seli your iisii	•	Frach / Saltad /	Fresh / Salted / Other:			
[Multinle on	tions allowed	1	Tresit / Suiteu /	rican'y Suited y Other.			
[widitiple op	tions anowed	,					
		[If <b>YES</b> , ask:	1				
		į ,	•				
		How many	times per year				
		-	fish to sell in	times per year			
		São Tomé?					
Do you normally ship							
fish to sell in São	Yes / No				of Balao halfbeak ("maxipombo")		
Tomé?	763 / 140			[How many per ba	g?]		
[Choose <u>one</u> option]							
		How much	fish per trip do				
			São Tomé?		of flying fish ("voador")		
		,		[How many per ba	g?]		
					kg of large fish ("peixe grosso")		
					VR OI IGIBE IISII ( HEINE BLOSSO )		

**2.** In your opinion, what are the main actions that should be done within <u>this community</u> to improve livelihoods of <u>fish traders</u>? [Choose only <u>three options</u>]

- a) Increase amount of fish at sea
- b) Strengthen fisheries associations
- c) Provide fishing gear and repair equipment
- d) Create other employment opportunities
- e) Provide training

- f) Raise fisher's awareness about sustainable fishing practices
- g) Involve fishers and fish traders in fisheries decisions
- h) Provide credit to fish traders
- i) Other:

## **SECTION E: Management and use of natural resources** [Fill in for <u>everyone</u>]

1. Consumption of natural resources during last year (January to December 2016) [Fill in table:]

Wildlife resources	Do you know this	[If KNOWS ANIMAL, ask:]				
	<b>animal?</b> [Choose <u>one</u> option]	Have you eaten this during last year (January to December 2016)?  [Choose one option]	Did you catch it, buy it or get it as gift?	What species?		
Sharks	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer				
Rays	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer				
Dolphins	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer				
Brown boobies	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer		Not applicable		
Tropicbirds	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer		Not applicable		
Sea turtles	Yes / No / Not sure	Yes / No / Not sure / Doesn't want to answer				

2. In your opinion, how has fishing in Principe changed in the last 10 years? [Fill in table:]

2. In your opinion, now has fishing in Principe changed in the last 10 years? [Fill in table:]						
	Change?	[If ANSWERED INCREASED OR DECREASED, ask:]				
	[Choose <u>one</u> option]	In your opinion, why has that happened?				
Total amount of fish	Increased / No change /					
caught	Decreased/ Don't know					
Amount of fish available at	Increased / No change /					
sea	Decreased/ Don't know					

3. In v	vour opinion.	. what are t	the main fact	ors affecting	the amount	of fish at sea i	n Principe?	Choose only	three options

a) Number of fishers	d) Fishing at bays	g) Season	
b) Too many hooks	e) Industrial fisheries	h) Other:	
c) Small-mesh nets	f) Climate change	i) Don't know	

4. Now I'm going to read a few statements and I would like to know <u>your opinion</u> about them, where 1 means "completely disagree" and 5 means "completely agree".

	Statements	Completely disagree (1)	Disagree (2)	Don't agree nor disagree (3)	Agree (4)	Completely agree (5)
a)	There's nothing I can do to protect the sea in Principe.					
b)	If people in my community work together, we can protect our sea.					
c)	People in my community comply with fisheries regulations.					
d)	If anyone breaks fisheries rules, my community doesn't do anything.					

e)	If anyone breaks fisheries rules, authorities in Principe don't do anything.			
f)	I am involved in decisions made in my community.			
g)	I am involved in decisions made about fisheries management in Principe.			
h)	I feel pleased about my occupation.			
i)	I can decide my own life's path.			
j)	I have a lot of opportunities to decide my own life's path.			

## **SECTION F: Project evaluation and next steps** [Fill in for <u>everyone</u>]

1. The list below refers to various activities carried out by the "Omali Vida Nón" project in Príncipe. Which of these activities did you participate in?

Project activities	Did you take part?
Community project meetings	Yes / No
Project events at Santo António Cultural Centre	Yes / No
Participation as project focal point	Yes / No
GPS tracking for mapping fishing areas	Yes / No
Answered questionnaire in 2017	Yes / No
Providing information about fishing	Yes / No
"Community ideas" proposals	Yes / No
Training	Yes / No

2. In your opinion, what was the level of impact of the "Omali Vida Nón" project in terms of:

	Types of impact	A lot of negative impact (1)	Some negative impact (2)	No impact (3)	Some positive impact (4)	A lot of positive impact (5)
a)	Involvement of fishing communities in fisheries decision-making					
b)	Access to opportunities to improve livelihoods of fishing communities					
c)	Improvement in livelihoods of fishers					
d)	Improvement in livelihoods of fish traders					
e)	Marine resource use and management					

3.	In our opinion, what should we do better in the next projects?

## c) Stop fishing at bays i) Other: k) There's nothing we can do d) Create no-fishing areas e) Create other jobs for fishers I) We don't need to do anything f) Raise awareness about sustainable fishing practices m) Don't know g) Involve fishers and fish traders in fisheries decisions 5. What do you think about the following types of interventions if they were used in Príncipe? Don't agree Completely Completely nor disagree Intervention types Disagree (2) Agree (4) agree (5) disagree (1) (3) a) Prevent the use of some fishing gear in certain areas b) During some months of the year, not catching some species During some months of the year, not fishing in some places d) Create some areas where we can never fish e) Protected marine area with involvement of communities and government 6. In your opinion, what would improve if some no-fishing areas were created in Príncipe? 7. In your opinion, what types of problems might occur if some no-fishing areas were created in Príncipe? [Read aloud] Thank you for your willingness to answer these questions. Your answers will help us learning how to improve the lives of people living in Principe and management of marine resources. Is there anything else you'd like to add or ask any question? \_\_\_ End time: \_\_\_\_\_ [Write down time interview finished]

4. In your opinion, what are the main actions that should be done within this community to increase fish abundance at sea?

h) Increase state enforcement

i) Regulate industrial fisheries

[Choose only three options]

a) Stop use of small mesh nets

b) Decrease number of hooks