



Questionnaire “Local communities and use of natural resources in the Island of Principe”

[Read aloud] "My name is _____ 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 C: Detailed information about fishing [Only for fishers]

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:]

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 from selling fish per: [Choose unit and write value]	day / week / month	_____ STN
How much money do you spend on salt per: [Choose unit and write value]	day / week / month	_____ STN
How much money do you spend on ice per: [Choose unit and write value]	day / week / month	_____ STN
How much money do you spend on fuel per: [Choose unit and write value]	day / week / month	_____ STN
How much money do you spend on maintenance and repair of fishing gear (e.g. nets) per: [Choose unit and write value]	day / week / month / year	_____ STN
How much money do you spend on maintenance and repair of boats per: [Choose unit and write value]	day / week / month / year	_____ STN

<p>Do you normally ship fish to sell in São Tomé? [Choose <u>one</u> option]</p>	<p>Yes / No</p>	<p>[If YES, ask:]</p> <p>How many times per year do you ship fish to sell in São Tomé?</p> <p>How much fish per trip do you ship to São Tomé?</p>	<p>_____ times per year</p> <p>_____ bags of Balao halfbeak (“maxipombo”) [How many per bag? _____]</p> <p>_____ bags of flying fish (“voador”) [How many per bag? _____]</p> <p>_____ kg of large fish (“peixe grosso”)</p>
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3. In your opinion, what are the main actions that should be done within this community to improve livelihoods of fishers?

[Choose only three options]

- 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 fish traders]

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

Number of years of experience trading fish	_____		
Number of days per month selling fish [Choose <u>one</u> option]	1 – 5 / 6 – 10 / 11 – 15 / 16 – 20 / 21 – 25 / 26 – 30 days		
How much money do you earn from selling fish per: [Choose unit and write value]	day / week / month	_____ STN	
How much money do you spend on fish per: [Choose unit and write value]	day / week / month	_____ STN	
How much money do you spend on salt per: [Choose unit and write value]	day / week / month	_____ STN	
How much money do you spend on ice per: [Choose unit and write value]	day / week / month	_____ STN	
How much money do you spend on maintenance and repair of the material per: [Choose unit and write value]	day / week / month / year	_____ STN	
How do you sell your fish? [Multiple options allowed]	Fresh / Salted / Other: _____		
Do you normally ship fish to sell in São Tomé? [Choose <u>one</u> option]	Yes / No	[If YES , ask:]	
		How many times per year do you ship fish to sell in São Tomé?	_____ times per year
		How much fish per trip do you ship to São Tomé?	_____ bags of Balao halfbeak (“maxipombo”) [How many per bag? _____]
			_____ bags of flying fish (“voador”) [How many per bag? _____]
			_____ kg of large fish (“peixe grosso”)

2. In your opinion, what are the main actions that should be done within this community to improve livelihoods of fish traders?

[Choose only three options]

- 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 everyone]

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

Wildlife resources	Do you know this animal? [Choose <u>one</u> option]	[If KNOWS ANIMAL, ask:]		
		Have you eaten this during last year (January to December 2016)? [Choose <u>one</u> 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:]

	Change? [Choose <u>one</u> option]	[If ANSWERED INCREASED OR DECREASED, ask:] In your opinion, why has that happened?
Total amount of fish caught	Increased / No change / Decreased / Don't know	
Amount of fish available at sea	Increased / No change / Decreased / Don't know	

3. In your opinion, what are the main factors affecting the amount of fish at sea in 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 your opinion 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) <i>If anyone breaks fisheries rules, authorities in Príncipe don't do anything.</i>					
f) <i>I am involved in decisions made in my community.</i>					
g) <i>I am involved in decisions made about fisheries management in Príncipe.</i>					
h) <i>I feel pleased about my occupation.</i>					
i) <i>I can decide my own life's path.</i>					
j) <i>I have a lot of opportunities to decide my own life's path.</i>					

SECTION F: Project evaluation and next steps [Fill in for everyone]

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) <i>Involvement of fishing communities in fisheries decision-making</i>					
b) <i>Access to opportunities to improve livelihoods of fishing communities</i>					
c) <i>Improvement in livelihoods of fishers</i>					
d) <i>Improvement in livelihoods of fish traders</i>					
e) <i>Marine resource use and management</i>					

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

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

[Choose only three options]

- a) Stop use of small mesh nets
- b) Decrease number of hooks
- c) Stop fishing at bays
- d) Create no-fishing areas
- e) Create other jobs for fishers
- f) Raise awareness about sustainable fishing practices
- g) Involve fishers and fish traders in fisheries decisions
- h) Increase state enforcement
- i) Regulate industrial fisheries
- j) Other: _____
- k) There's nothing we can do
- l) We don't need to do anything
- m) Don't know

5. What do you think about the following types of interventions if they were used in Príncipe?

Intervention types	Completely disagree (1)	Disagree (2)	Don't agree nor disagree (3)	Agree (4)	Completely agree (5)
a) Prevent the use of some fishing gear in certain areas					
b) During some months of the year, not catching some species					
c) 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 Príncipe and management of marine resources.

Is there anything else you'd like to add or ask any question? _____

[Write down time interview finished] **End time:** _____