

## SURVEY REGARDING FISH NETS IN VIETNAM

This survey belongs to the Net-Works project implemented by the ..... University. Through this questionnaire, we would like to learn about the socio-economic aspects and use phrase of fish nets in Vietnam. The information you provide will be confidential and only used for research purposes.

This research is conducted by ..... , lecturer/researcher at Faculty of ....., ..... University. If you have any questions regarding the project, please contact ..... via email....., phone.....

### Part 1: General information

<b>1.1. Demographic information</b>	
<b>Q1.</b> Gender: <input type="checkbox"/> Male (1) <input type="checkbox"/> Female (0)	<b>Q5.</b> The enterprise (company) you work for is... <input type="checkbox"/> Large enterprise (1) <input type="checkbox"/> Medium enterprise (2) <input type="checkbox"/> Small enterprise (3) <input type="checkbox"/> Private entrepreneur (4) <input type="checkbox"/> Others (5)
<b>Q2.</b> Year of birth: .....	<b>Q6.</b> Approximate number of boats/ships in your organisation: .....
<b>Q3.</b> Education level: <input type="checkbox"/> Secondary school or below (1) <input type="checkbox"/> High school (2) <input type="checkbox"/> Vocational college (3) <input type="checkbox"/> Under graduate (4) <input type="checkbox"/> Master's degree or higher (5)	<b>Q7.</b> Fishing gear: <input type="checkbox"/> Trawler (1) <input type="checkbox"/> Gillnet (2) <input type="checkbox"/> Longline (3) <input type="checkbox"/> Purse seine (4) <input type="checkbox"/> Trap (4) <input type="checkbox"/> Others (5): .....
<b>Q4.</b> Fishing experience (years): .....	<b>Q8.</b> Crew size (persons): .....

<b>1.2. Vessel Information and fishing activity</b>	
<b>Q9.</b> Hull length (m): .....	<b>Q12.</b> Average number of fishing days per month: .....
<b>Q10.</b> Engine power (CV): .....	<b>Q13.</b> Average number of fishing trips per month: .....
<b>Q11.</b> Average number of operation months in year: .....	<b>Q14.</b> Average production per fishing trip (kg): .....

### 1.3. Information on fishing gears

**Q15.** Please provide information about fishing gears:

1. Number of set-nets: .....
2. Number of longline sets: .....
3. Number of hooks: .....
4. Number of Traplines:.....

**Q16.** Fundamental information of fishing gears

	Fishing gears	Unit	Materials	Quantity	Investment cost (million VND)
1	Main nets/ Cover nets	Kg	<input type="checkbox"/> Plastic (1) <input type="checkbox"/> Natural materials (2) <input type="checkbox"/> Others (3)		
2	Rope	Kg	<input type="checkbox"/> Plastic (1) <input type="checkbox"/> Natural materials (2) <input type="checkbox"/> Others (3)		
3	Buoy	Pieces	<input type="checkbox"/> Plastic (1) <input type="checkbox"/> Natural materials (2) <input type="checkbox"/> Others (3)		
4	Others: .....		<input type="checkbox"/> Plastic (1) <input type="checkbox"/> Natural materials (2) <input type="checkbox"/> Others (3)		
	Total				

### 1.4. Knowledge and concern about impacts of marine litter

**Q17.** Causes of fishing gear losses?

	Never (1)	Sometimes (2)	Often (3)	Always (4)
1. bad weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. damage by wildlife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. snagging fishing gear on a bottom obstruction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. operation error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. other (please specify)_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Q218** Level of concern about the ALDFG (abandoned, lost or otherwise discarded fishing gear)?

- very concerned (1)
- somewhat concerned (2)
- Concerned (3)
- not at all concerned (4)

**Q19.** Reasons for concern?

	Strongly disagree (1)	Disagree (2)	In-different (3)	Agree (4)	Strongly agree (5)
1. economic losses					
2. harm to environment					
3. impact on fish stocks					
4. hazards to navigation					
5. damage to gear					
6. tourism impact					
7. other (please specify).....					

**Q20.** Have you found any abandoned/lost fishing gear during the sailing?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Often (4)
- Always (5)

**Q21.** If yes, what did you do with it?

- Take them
- Left them in the water

**Q22.** Have you ever encountered plastic litter in your nets?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Often (4)
- Always (5)

**Q23.** If yes, with which \_\_\_\_\_

- Fishing gears (1)
- Plastic bag (2)
- Bottle (2)
- Nets (3)
- Others.....(4)

**Part 2: Economical aspect**

**S24.** Please assess the damage caused by marine litter?

The damage caused by marine litter	None at all (1)	Very little (2)	Moderate (3)	Some (4)	A lot (5)
Catch damage (1)					

Time consuming for dealing with litter (2)					
Fishing gear damage (3)					
Propeller system damage (4)					
Fishing gear loss (5)					
Others: ..... (6)					

S25. Average revenue per fishing trip (million VND/trip)

S26. Average cost per fishing trip (million VND/ trip)

S27. Average cost of fishing gear repairs each last year (million VND)? \_\_\_\_\_

S28. Approximate cost of lost nets due to entanglement last year (million VND)? \_\_\_\_\_

S29. Approximate cost of replacement fishing gear each year/last year (million VND)? (please specify which fishing gear exactly) \_\_\_\_\_

	Fishing gears	Unit	Materials	Cost (million VND)
1	Main nets/ Cover nets	Kg		
2	Rope	Kg		
3	Buoy	Piece		
4	Others: .....			
	Total			

S30. What is the economic disadvantage of recycling networks?

Taxes  Fees  Transport costs  other (please specify) \_\_\_\_\_

S31. Do you pay a waste disposal fee?

Yes  No

S32. If yes, how much (VND) ? \_\_\_\_\_

S33. Are measures in place to recover lost/discarded fishing gear?

Yes  No

Q34. What is the cost of this activity (VND)? \_\_\_\_\_

### Part 3. Operating phase

**C24.** What preventive measures do you use to avoid losing fishing gear?

	Never (1)	Sometimes (2)	Often (3)	Always (4)
1. maintain gear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. train crew in gear management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. mark/track gear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. none	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. other (please specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**C25.** What is the shelf life of fishing gear materials?

	Fishing gears	Replacement time/lifespan (months)	Notes
1	Main nets/ Cover nets		
2	Rope		
3	Buoy		
4	Others: .....		

**C26.** How much gear you lose per trip?

			Unit	The rate of fishing gear lost in each fishing trip (%)			The rate of fishing gear lost in year (%)
	Fishing gears	Materials		Amount to take along	Amount brought ashore	Disposal into the sea	
1	Main nets/ Cover nets		kg				
2	Rope		kg				
3	Buoy		Pieces				
4	Others:.....						

**C27.** Do you check the nets before departure? (condition of the net, % of holes in the nets)

Yes  No

**C28.** Do you check the nets after the sailing?

Yes  No

**C29.** Are the changing nets, adding nets, and patching nets while fishing at sea?

Yes  No

**C30.** If so, how many times in each trip: .....

**C31.** Do you repair fishing nets after each trip?

Yes  No

**C32.** What is the amount of additional net material in each time?

	<b>Fishing gears</b>	<b>Unit</b>	<b>Additional quantity per trip (at sea) (a)</b>	<b>Additional quantity after each trip (onshore) (b)</b>
1	Main nets/ Cover nets	Kg		
2	Rope	Kg		
3	Buoy	Pieces		
4	Others: .....			

**C33.** Do you calculate the % of holes formed in the nets per sailing?

Yes  No

**C34.** What % of holes are formed in the nets in a single sailing?

Less than 5%  5-10%  10-20%  over 20%  other (please specify) \_\_\_\_\_

**C35.** At what % wear and tear is the nets replaced with a new one?

10-20%  20-30%  30-40%  over 50%

**Q36.** How many times a year do you have to renew the old nets with the new ones?

1 time  2-3 times  more than 3 times  other (please specify) \_\_\_\_\_

**C37.** Duration of fishing gear repairs? \_\_\_\_\_

***Part 4: End-of-life analysis***

**L24.** How long does a set of nets last?.....

**L25.** How often do you buy nets? .....

**L26.** Where are nets purchased?

- At local agents (1)                       Order from companies (0)

**L27.** Would you be willing to collect nets to bring back to shore?

- Yes                       Yes, if there is an incentive mechanism                       No

**L28.** Is there a designated storage area on the boat for end-of-life fishing gear?

- Yes     No

**L29.** How is end-of-life fishing gear handled while on the boat?

	<b>Handling while on boat</b>	<b>Percentage (%)</b>
1	Gather on board	
2	Thrown into the sea	
3	Others	

**L30** In your opinion, which is the most appropriate program to collect fishing gear?

- Exchange                       Exemption                       Buyback

**L31.** Is your port provided with appropriate waste collection facilities?

- Yes     No

**L32.** Does the port have suitable infrastructure for spent fishing gear? For example: containers

- Yes                       No

**L33.** Where is end-of-life fishing gear sent to while on land/port?

	<b>Handling while on land/port</b>	<b>Percentage (%)</b>
1	Garbage collection area at the port	
2	Public recycle bin	
3	Anywhere	
4	For change	
5	Reuse/recycling	
6	Incineration	
7	Others	

**L34.** How often is end-of-life fishing gear treated if not discarded?

	monthly	quarterly	half-yearly	yearly
For change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reuse/recycling				

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incineration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
other (please specify)_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

---

**L35.** If for change, how will damaged/discarded fishing gear be sold?

- Sell at the ship to retail buyers
- Bring the discarded fishing gear to retail buyers
- Sell directly to scrap collection centers

**L36.** In case of incineration, where will damaged/discarded fishing gear be burned?

- Area near house                       Public area

**L37.** What do you do with the ashes after being burned?

- Untreated                       Buried

*The location of the survey (city, name of port)* \_\_\_\_\_

*Gender* female  male