UC-SSF-0405: Lost fishing gear

⊙ **Warning**

As we are currently in the planning phase, please be aware that there may be changes to the use cases. Adjustments or revisions may occur as the project progresses.

1. Use Case Description

This use case describes the process where a small-scale fisher **declares lost fishing gear** using the Small Scale Fisheries Application. The declaration helps authorities track lost gear, mitigate environmental impacts, and improve resource management.

1.1. Goal

This detailed use case outlines the steps for declaring lost fishing gear in the Small Scale Fisheries Application, including handling scenarios where users might encounter issues or decide to cancel the process.

1.2. Pre-conditions

1. The fisher has entered all the catches, discards and sensitive species information for selected fishing operation.

1.3. Post-conditions

1. Fisher **added the lost fishing gear details** of that fishing operation.
2. Lost fishing gear details are added to fishing activity report along with catch details, discarded species, sensitive species and fishing time.

1.4. Trigger Event(s)

1.4.1. Primary Actor:

1. Fisher

1.4.2. Secondary Actor(s):

1. Application

2. Use Case Details
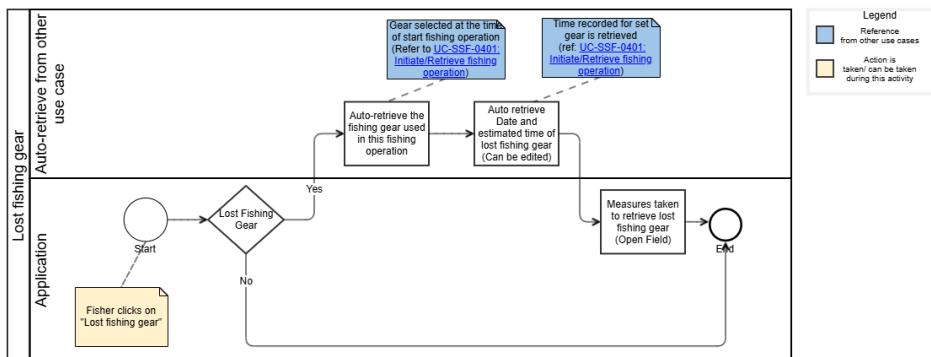
2.1. Activity Diagram

ⓘ **In the activity diagram below:**

References form other use cases are marked in "BLUE"

Action is taken or can be taken during this activity are marked in "YELLOW"

2.2. Primary Path

Step ID	Actor	Action	Notes and References
PF-1	Application	The flow is triggered when fisher completes logging the catch details and clicks on "Lost fishing gear".	
PF-2	Application	Application ask fisher to **add lost fishing gear,** if lost any. Select from the dropdown yes or no.	**AF-1: Lost fishing gear**
PF-3	Application	**Auto retrieves the fishing gear** used in that fishing operation and displays on the screen.	**Gear selected at the time of start fishing operation (Refer to UC-SSF-0402: Catches caught and kept on board & discards)**
PF-4	Application	Asks fisher to **add date and estimated time** of lost fishing gear. Application auto-displays the time recorded to set the gear.	**Refer to UC-SSF-0401: Initiate /Retrieve fishing operation**
PF-5	Fisher	Verifies and enters manually, date and estimated time of lost fishing operation (In case of correction).	
PF-6	Application	Application ask fisher **measures taken to retrieve lost fishing gear**. (kept as an open field)	
PF-7	Fisher	Logs the measures taken and the primary path ends.	

2.3. Alternative Path(s)
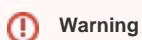
2.3.1 AF-1: Lost fishing gear

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-2 of primary path.	
AF-A2	Application	App asks fisher to **report lost fishing gear** if any.	
AF-A3	Fisher	Fisher did not lost any fishing gear and selects no, this ends the primary path.	

2.4. Exception Path(s)

3. Use Case Realisation

3.1. Data Attributes

> ⊙ **Warning**
>
> As we see some changes in the use cases, same will be reflected in the data attributes. It is still in planning phase and are subjected to change.

Column Name	LV Objects	SSF Objects	Data Type	Short Description	Notes or Comments
Type	FA_GEAR_PROBLEM	"Not defined"	Code	The code specifying a type of gear problem.	
Affected	Defined	"Not defined"	Quantity		
SpecifiedFishing_ Trip	SchemeID= EU_TRIP_ID (Unique indentifier) FA_TRIP_ID_TYPE ListID= FISHING_TRIP_ TYPE	"Required-Not defined"	Assoc.		This is not defined in large vessels as well. Large vessels have gear problem and lost gear can be selected from the category list.
occurence_time	Not defined in LV	Defined	TImestamp		
measures_taken	Not defined in LV	Defined			

3.2. Data Model

3.3. Pseudocode

3.4. User Interface

4. Impact and Risks

4.1. Impact

4.2. Risks

5. **Test Cases**