UC-SSF-0403: Sensitive species

> **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

The use case for adding discarded species **ensures that fishers can efficiently report sensitive species** using a mobile application. The primary flow outlines a structured process for entering and submitting details of sensitive species, while alternate flow mentions that user does not proceed with data entry, and the process ends.

1.1. Goal

The goal of this use case is to describe the activities performed by fisher to input information about the sensitive species. Information also includes the name and FAO species code, released dead or alive and adding additional information if any.

1.2. Pre-conditions

1. Fisher has successfully encoded the catch details and discards.
2. The fishing activity is ongoing, and there is a need to record details of sensitive species.

1.3. Post-conditions

1. The details of **sensitive species is added.**
2. If multiple sensitive species are caught, details for each species are recorded sequentially.
3. The sensitive species data is compiled with the catch data and report is successfully submitted to FMC.

1.4. Trigger Event(s)

1.5. Primary Actor:

1. Fisher

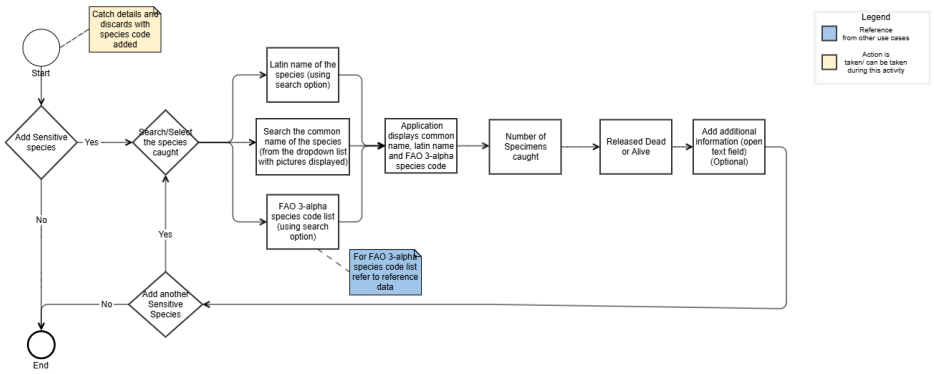
1.6. Secondary Actor(s):

1. Application
2. Reference Data

2. Use Case Details

> **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"

2.1. Activity Diagram



2.2. Primary Path

Step ID	Actor	Action	Notes and References
PF-1		The flow is triggered by adding the catch detail of sensitive species with species code. (Fisher can enter one species at a time).	
PF-2	Application	Application ask fisher to **add sensitive species,** if caught any. Select from the dropdown yes or no.	**AF-1: Add sensitive species**
PF-3	Fisher	Fisher selects yes.	
PF-4	Application	Asks fisher to **search and select the species caught** either from: a. FAO 3-alpha species code list (refer to the reference data) or b. Search the common name of the species from the dropdown list which displays picture of the species or. c. Latin name of the species (using the search option).	**AF-1: Search and Select the caught species** **For FAO 3-alpha species code list refer to reference data** **AF-2: Latin name of the species (using the search option).**
PF-5	Fisher	Selects option (a) and **enters FAO 3-alpha species code.**	
PF-6	Application	Displays the **name of species, latin name** and **FAO 3-alpha species code**.	
PF-7	Fisher	Selects the species and proceed to enter the information of selected species.	
PF-8	Application	Asks to **add number of specimens**.	
PF-9	Fisher	Selects the number of specimens.	
PF-10	Application	Application asks to **select if released dead or alive** (from the dropdown list).	
PF-11	Fisher	Fisher selects one option from the both.	
PF-12	Application	Asks to add additional information if any (Optional and Open text field).	
PF-13	Fisher	Wishes to add information and adds it.	
PF-14	Application	Application asks to **add another sensitive species.**	**AF-4: Add another sensitive species**
PF-15	Fisher	Fisher selects no and alternate flow ends.	

2.3. Alternative Path(s)

2.3.1 AF-1: Search and Select the caught species choosing option (b) Search the common name of the species

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is 4 of the primary flow.	
AF-A2	Fisher	This alternative flow is executed if fisher select option (b) Search the common name of the species from the dropdown list which displays picture of the species and enters the common name of the species.	
AF-A3	Application	Returns to step PF-6 of primary path, all the steps are followed and flow ends.	**PF-6 of primary path.**

2.3.2 AF-2: Search and Select the caught species choosing option (c) Latin name of the species (using the search option).

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is 4 of the primary flow.	
AF-A2	Fisher	This alternative flow is executed if fisher select option (c) Latin name of the species (using the search option) and enters the latin name of the species.	

AF-A3	Application	Returns to step PF-6 of primary path, all the steps are followed and flow ends.	**PF-6 of primary path.**

2.3.3 AF-3: Add sensitive species

Step ID	Actor	Action	Notes and References
AF-A1	Fisher	The entry point is PF-2 of primary path.	
AF-A2	Application	Application asks fisher to **add sensitive species.**	
AF-A3	Fisher	Fisher selects no and primary flow ends.	

2.3.4 AF-4: Add another sensitive species

Step ID	Actor	Action	Notes and References
AF-A1	Fisher	The entry point is PF-14 of primary path.	
AF-A2	Application	Application asks fisher to **add sensitive species.**	
AF-A3	Fisher	Fisher selects yes to add the more sensitive species.	
AF-A4	Application	Returns to step PF-4 of primary path, all the steps are followed and flow ends.	**PF-4 of 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	*listID*=FLUX_FA_TYPE value=DEPARTURE	Not defined but required.	Code		
Occurrence		Defined	DateTime		
Reason	listID=FA_REASON_DISCARD	Defined			
Identification			Identifier		
catch_id	not defined	Defined in SSF	Assoc		Additional attribute in SSF
SpecifiedFishing_Trip	SchemeID= EU_TRIP_ID (Unique indentifier) FA_TRIP_ID_TYPE ListID= FISHING_TRIP_TYPE	Defined: TRIP_ID (Unique indentifier) FA_TRIP_ID_TYPE (required to differentiate EU Trip ID and NEAFC)	Assoc.		
RelatedFLUX_Location	ListID=FLUX_LOCATION_TYPE schemeID=TERRITORY listID=FLUX_LOCATION_CHARACTERISTIC **Area:** schemeID=FAO_AREA schemeID=STAT_RECTANGLE schemeID=EFFORT_ZONE schemeID=MANAGEMENT_AREA **Port:** schemeID=LOCATION schemeID=FARM **RFMO:** listID=RFMO	Defined: ListID=FLUX_LOCATION_TYPE schemeID=TERRITORY **Area:** schemeID=FAO_AREA schemeID=STAT_RECTANGLE schemeID=EFFORT_ZONE schemeID=MANAGEMENT_AREA **Port:** schemeID=LOCATION schemeID=FARM	Assoc.	listID=FLUX_LOCATION_CHARACTERISTIC [**Landing Site**: Detailed description where the landing takes place. **Main Area**: Area where most of the catch was taken.]	

SpecifiedFA_ Catch	listID=FA_CATCH_TYPE listID=FAO_SPECIES FLUX_UNIT FLUX_ Locations ListID= FISH_SIZE_CLASS SchemeID= EU_TRIP_ID (Unique identifier) FA_TRIP_ID_TYPE	listID=FAO_SPECIES ListID= FISH_SIZE_CLASS SchemeID= EU_TRIP_ID (Unique identifier) FA_TRIP_ID_TYPE	Assoc.	Type=Released	
SpecifiedFLUX_ Characteristic	Defined	Defined in SSF	Assoc.	A textual description of the reason for discard	
Type= sensitive_species	Not defined	Defined in SSF	Assoc.		Additional attribute in SSF
Unit		Defined in SSF	Quantity	Number of species	

3.2. Data Model

3.3. Pseudocode

3.4. User Interface

4. Impact and Risks

4.1. Impact

4.2. Risks

5. Test Cases