



Food and Agriculture  
Organization of the  
United Nations



Indian Ocean Tuna Commission  
Commission des Thons de l'Océan Indien



# OBSERVER PROGRAM DEVELOPMENT and OBSERVER LOGISTICAL COORDINATION WORKSHOP



CapMarine  
Capricorn Marine Environmental



Food and Agriculture  
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iotc ctoi

# IOTC ROS e-TOOLS : e-Collection Interface Usage

*IOTC ROS OLC TR 8.03*

Category: IOTC ROS data collection and management tools

*[IOTC ROS OLC TR 8]*






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# E-REPORTING INTERFACE STARTUP


1. Click on the *launch* icon.
2. Provide user specific information
3. Once identified, user is redirected to the main menu page


IOTC ROS eCollection interface **2.0.0.beta**  


**Main menu**  [Main](#) > [New trip](#)

**Start a new trip** 

**Trip list** 

**Settings** 

**Help** 

**About** 

Internet connection : **On**

Map tiles available? : **Yes**

Logged as : **OBSERVER DUMMY**

**Trip label**

**Reporting country**

**Gear type**

**CONFIRM**








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# THE MAIN MENU


IOTC ROS eCollection interface **2.0.0.beta**  






 *(collapsed by default, on the left-hand side of the screen)*

 Welcome to the IOTC ROS eCollection interface

 Use this tool to collect, manage and report scientific observations to your national focal points.





 **Quick access**






 <b>START A NEW TRIP</b>	Lets users start a new observed trip
 <b>TRIP LIST</b>	Shows list of recorded observed trips
 <b>SETTINGS</b>	
 <b>HELP</b>	Lets users read relevant instructions
 <b>ABOUT</b>	Shows information on software



# DATA INPUT [How to Start a New Trip]

1. Click on the **Start a new trip** icon;
2. Input basic information about the trip;
3. Once the trip created, user is redirected to Module Selector Page.

IOTC ROS eCollection interface **2.0.0.beta**  

Main menu		Main > New trip
Start a new trip		<b>Trip label</b> <input type="text" value="alphanumeric identifier"/>
Trip list		<b>Reporting country</b> <input type="text" value="selected by the system based on Observer's flag country"/>
Settings		<b>Gear type</b> <input type="text" value="either Gillnet, Longline, Pole-and-Line and Purse Seine"/>
Help		
About		
Internet connection : <b>On</b>		
Map tiles available? : <b>Yes</b>		
Logged as : <b>OBSERVER DUMMY</b>		<input type="button" value="CONFIRM"/>

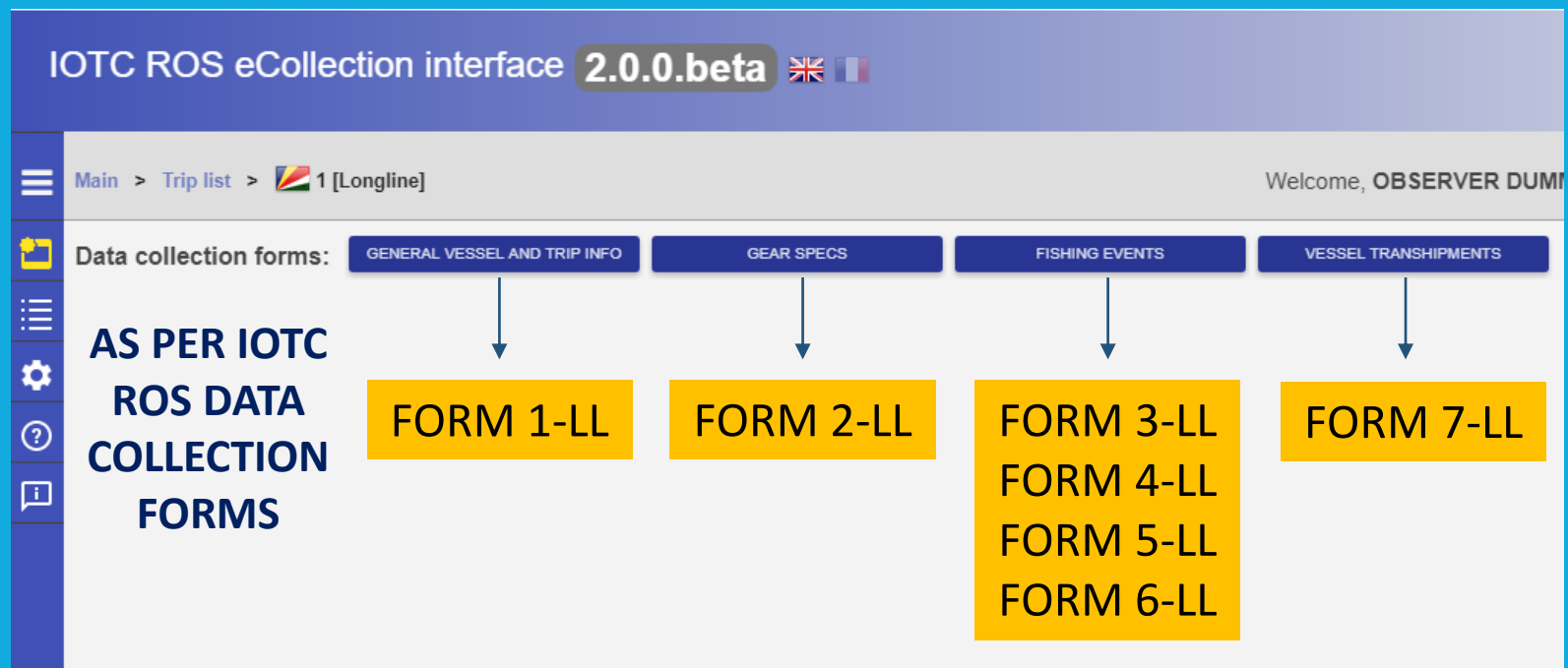
Once the trip is created user can start filling required modules for the selected trip and gear type





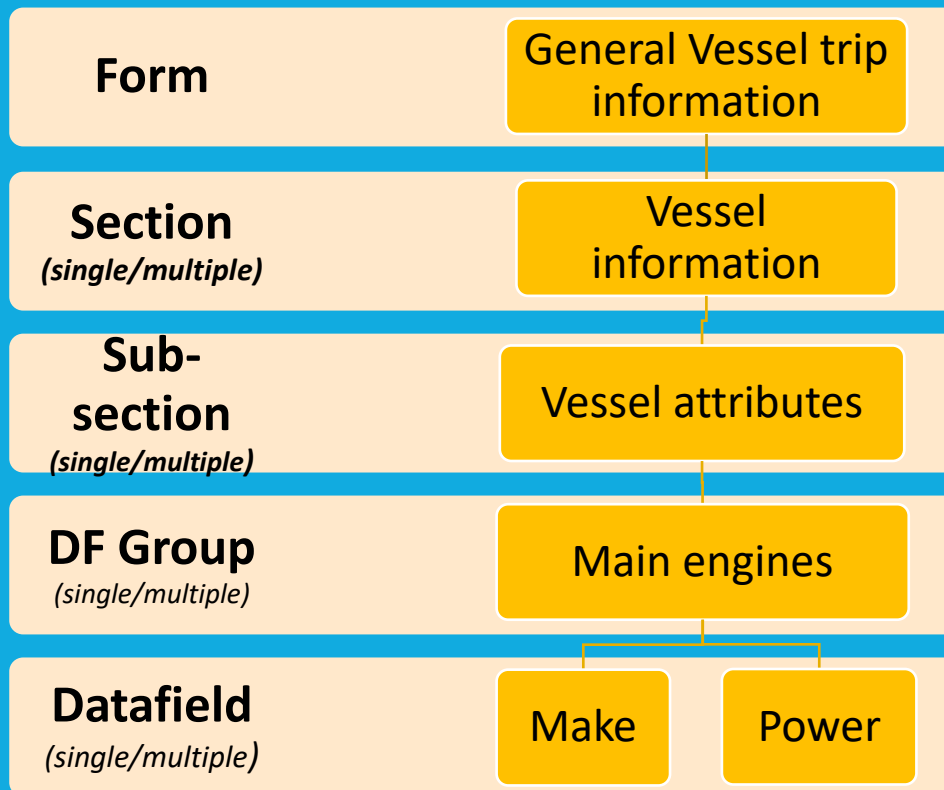
# DATA INPUT [How to select Module to fill]

1. Click on the **FORM TO FILL** (e.g. *General vessel and trip info*) and follow form, section, data-field instructions.





# DATA INPUT [on Form Structure]



1. Each Form includes one or more sections, that can include different sub-sections and/or data field groups (DF groups) under which specific datafields are organized.
2. Single fields, groups of fields, sub-sections and sections can be added multiple times to allow for multiple answers to a same question.





# DATA INPUT [Structure and Icons]

IOTC ROS eCollection interface 2.0.0.beta



Main > Trip list > 1 [Longline] > General vessel and trip info

Welcome, OBSERVER DUMMY [ IOTCDUM001 Europe/Paris ]

Form: GENERAL VESSEL AND TRIP INFO Vessel information FISHING EVENTS VESSEL TRANSHIPMENTS

Section: OBSERVER INFORMATION VESSEL INFORMATION WASTE MANAGEMENT OBSERVED TRIP SUMMARY

SELECT A VESSEL

Vessel identification

Vessel name

Vessel name

Vessel IMO or Lloyd's number

Vessel IMO or Lloyd's number

Vessel port of registration

CHOOSE A PORT

Vessel phone

Vessel phone

Licensed target species

Main fishing gear



→ Set the field value to "Unknown"



→ Clicking this icon a pop up will appear showing information about the field.



→ Clicking this icon a pop up will appear showing the validation rules applied to the field.



→ This icon warns about mandatory field.



# DATA INPUT [on Module Structure and Icons]

Regional Observer Scheme e-reporting interface Version 0.8.0

English Français

MENU Main > Trip list > Test Trip [Gillnet] > Generic #1 Breadcrumbs

Select a section: Generic #1 Generic #5 Generic #6 Gillnet #2 Gillnet #4 Module Selector

Vessel information Deployment details Trip information Vessel owner Vessel specific details Electronic equipment Catch info Waste management Subsection Selector

NO AVAILABLE VESSELS

Vessel information - details Datafield group

⊗ Vessel name ⓘ Datafield

⊗ Vessel type ⓘ ⓘ \* Field icons

⊗ Main gear ⓘ ⓘ \*

⊗ National registration number ⓘ

⊗ Licensed target species ⓘ

Vessel information - trip

⊗ Port of departure ⓘ ⓘ \*

⊗ Port of return ⓘ ⓘ \*

→ Set the field value to "Unknown"

→ Clicking this icon a pop up will appear showing information about the field.

→ Clicking this icon a pop up will appear showing the validation rules applied to the field.

→ This icon warns about mandatory field .



# DATA INPUT [on Nature of the Information]

- The nature of the information is reflected graphically via the use of a colour scheme
  - Blue for the information that must be collected and reported to the IOTC;
  - Green for the information that when collected must be reported to the IOTC
  - Pink for the information that should be collected when feasible but that doesn't have to be reported to the IOTC.
- Applicable at form, section, sub-section, group of fields and field level





# DATA INPUT [on Field Type & Data Validation]

Input fields type depends on the nature of the information to be collected.

## Datafield type currently include:

- Simple text box
- Text Area
- Numeric values (either integers or floats)
- Date and Time
- Position (for latitude longitude)
- Multiselection
- Port selectors

## Data validation includes:

- **Per-field validation**

Applied to a single field (e.g. a measure that can't exceed a certain value);

- **Cross-check validation**

When a field has to be validated against another field (e.g. trip end date can't be set to a date preceding trip start date);

- **Mandatory fields**

Applied when a field is explicitly marked as mandatory.





# DATA INPUT [How to create a new fishing event]

1. Click on “Fishing event” Form
2. A page like this will show

3. Click on **Add a fishing event** button, a new set will be created and assigned a number based on an auto-incrementing counter that starts from #0001.





# DATA INPUT [on Fishing Event Form]

- Reflect ROS Fishing Event Forms #3
- Allows for adding of an unlimited number of events during the same trip
- Divided in sections, dependent on the selected fishing type
- Gear specific (i.e. information requested differs from one gear to another)

The screenshot shows the 'Fishing events' form for 'Purse seine' gear. The breadcrumb trail is 'Main > Trip list > [Purse seine] > Fishing events'. The 'Form:' section includes buttons for 'GENERAL VESSEL AND TRIP INFO', 'GEAR SPECS', 'FISHING EVENTS' (highlighted in orange), 'DAILY ACTIVITIES (SURFACE)', and 'VESSEL TRANSHIPMENTS'. The 'Section:' section includes buttons for 'SETTING OPERATIONS' (highlighted in orange), 'CETACEANS AND WHALE SHARK ...', 'SUPPORT VESSELS', 'CURRENTS', and 'CATCH DETAILS'. The 'Fishing event number:' field shows 'F: 0003' with navigation buttons for previous, next, add, and subtract.




The screenshot shows the 'Fishing events' form for 'Longline' gear. The breadcrumb trail is 'Main > Trip list > [Longline] > Fishing events'. The 'Form:' section includes buttons for 'GENERAL VESSEL AND TRIP INFO', 'GEAR SPECS', 'FISHING EVENTS' (highlighted in orange), and 'VESSEL TRANSHIPMENTS'. The 'Section:' section includes buttons for 'SETTING OPERATIONS' (highlighted in orange), 'MITIGATION MEASURES', 'HAULING OPERATIONS', and 'CATCH DETAILS'. The 'Fishing event number:' field shows 'F: 0003' with navigation buttons for previous, next, add, and subtract.





# DATA INPUT [on Fishing Event (cont.)]

1. ‘Fishing Event” pages will show the following buttons:

-  **fishing event number between two arrows that allow to navigate from one event to another**
- A  **button that will allow for the creation of a new set (if the last created is F:0004 the next one will be F:0005)**
- A  **button that will allow for the deleting of sets created**

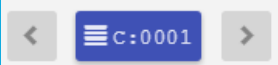






# DATA INPUT [How to input Catch Details]

1. Click on **Catch Details** to open the section
2. Click on **Add Catch Details** button (*a new occurrence of a species/specimen will be created and assigned a number that starts from #0001*)

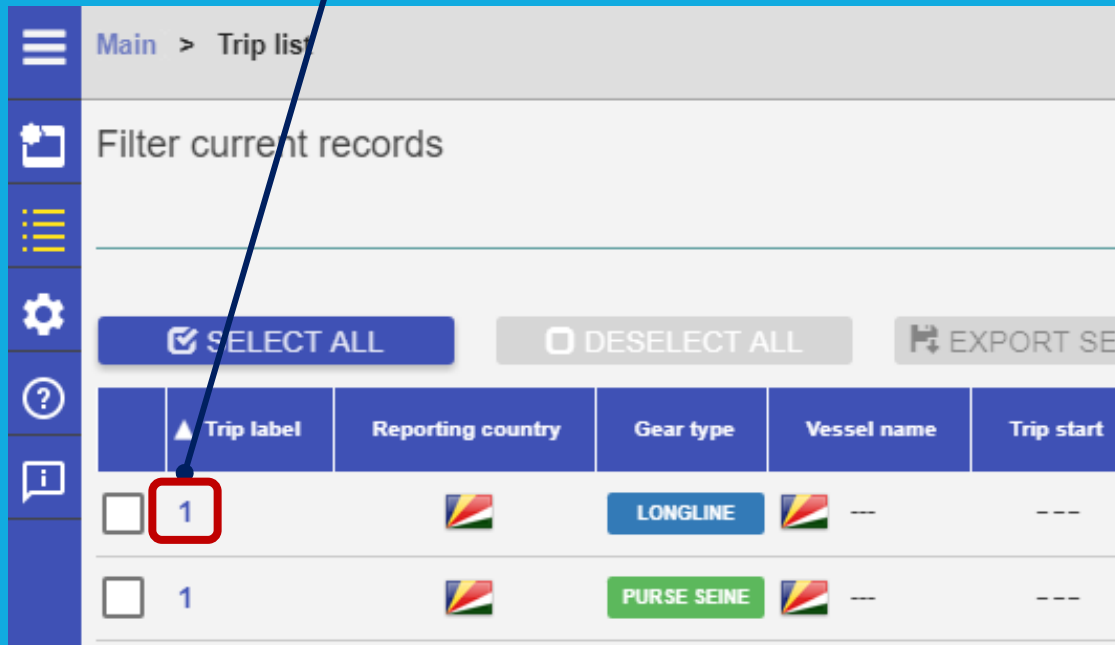
The screenshot shows the CapMarine web application interface. The top navigation bar includes a menu icon, the breadcrumb trail 'Main > Trip list > 1 [Purse seine] > Fishing events', and a user greeting 'Welcome, OBSERVER DUMMY' with a flag icon and 'IOTC'. Below the navigation bar is a 'Form:' section with five tabs: 'GENERAL VESSEL AND TRIP INFO', 'GEAR SPECS', 'FISHING EVENTS' (highlighted in orange), 'DAILY ACTIVITIES (SURFACE)', and 'VESSEL TRANSHIPMENTS'. Underneath is a 'Section:' section with five tabs: 'SETTING OPERATIONS', 'CETACEANS AND WHALE SHARK ...', 'SUPPORT VESSELS', 'CURRENTS', and 'CATCH DETAILS' (highlighted in orange). Below the sections are two input fields: 'Fishing event number:' with a value of 'F: 0003' and 'Catch detail number:' with a value of 'C: 0001'. Both fields have navigation arrows (left and right) and '+' and '-' buttons for editing the values.

3. 'Catch details' pages will show the following buttons:
  -  catch (species/specimen) number between two arrows for navigating between entered catch details
  - A  button for the adding of new catch details
  - A  button for the deleting of catch details created



# TRIP LIST PAGE [How to open]

1. Click on **Main Menu Icon** (collapsed by default, on the left-hand side of the screen)
2. Click on **Trip List** button
3. Click on **Individual Trip label** to open and edit data for a specific trip



4. Check **Trip status**

- **Completed:** all data provided; no inconsistencies.
- **Not yet complete:** required data missing; inconsistencies.

Status	Actions			
NOT YET COMPLETED				
Completed				



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# TRIP LIST [on actions to be performed]



**Trip Status Report** - shows a report of all fields missing or with wrong values



**Export Trip** - exports the trip in ROS format, ready to be sent to the National DB



**Delete Trip** - deletes the trip from the system



**Trip Activity Details on Map** - shows all recorded activities on a map

Main > Trip list

Welcome, OBSERVER DUMMY [ IOTCDUM001 Europe/Paris ]

Filter current records

☒ SELECT ALL ☐ DESELECT ALL




Label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	Creation	Last updated	Last exported	Status	Actions
		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	
		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	
		PURSE SEINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	
		LONGLINE		---	---	IOTCDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	



















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# EXPORT TRIP DATA


















1. Select trip to be exported from the list page ticking the trip box
2. Click on export button 
3. If all trips to be exported use the  and then click on the  button.

<input checked="" type="checkbox"/> SELECT ALL <input type="checkbox"/> DESELECT ALL <input type="button" value="EXPORT SELECTED"/>												
	Trip label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	▲ Creation	Last updated	Last exported	Status	Actions
<input checked="" type="checkbox"/>	1		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	001		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	1		PURSE SEINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	1		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	 



# IMPORT TRIP DATA

1. Select trip to be imported from the list page ticking the trip box
2. Click on the  **IMPORT TRIP** button
3. If all trips to be imported use the  **SELECT ALL** button

<input checked="" type="checkbox"/> SELECT ALL <input type="checkbox"/> DESELECT ALL  EXPORT SELECTED												
	Trip label	Reporting country	Gear type	Vessel name	Trip start	Trip end	Created by	▲ Creation	Last updated	Last exported	Status	Actions
<input checked="" type="checkbox"/>	1		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 13:...	2019-10-30 13:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	001		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-30 11:...	2019-10-30 11:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	1		PURSE SEINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-10-23 13:...	2019-10-23 13:...	---	NOT YET COMPLETED	 
<input checked="" type="checkbox"/>	1		LONGLINE	 ---	---	---	IOTCDUM001 OBSERVER DUM...	2019-09-13 13:...	2019-09-13 13:...	---	NOT YET COMPLETED	 

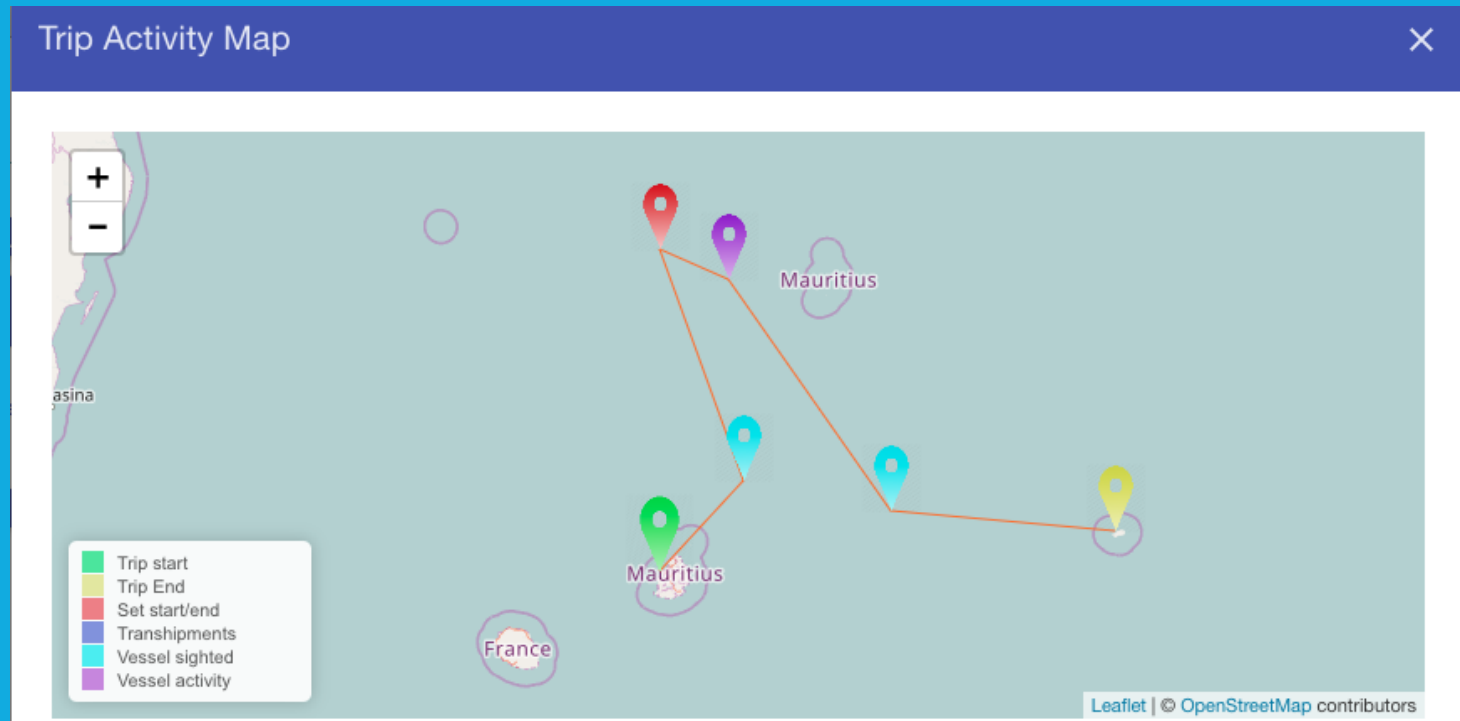
*Note: Exported trip data can be re-imported from list page and can be used to restore backed-up observations.*





# TRIP ACTIVITY DETAILS ON MAP

1. Select trip to be shown on map by ticking the trip box
2. Click on Trip Activity Details on Map button
3. If all trips to be selected use the Select All button





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# THANK YOU FOR YOUR PARTICIPATION



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