



# SafeSeaNet Ecosystem GUI

## Training exercises and scenarios for IUU Operation

This document contains practical exercises and scenarios

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## SEG ACCESS

URL: <https://portal.emsa.europa.eu>

User/Password: Use your personal account

\*In case your personal username and password are not working, please request one from the trainers.

# EXERCISES

## 1. Customise your preferences

- Verify the 'operation' or 'domain' you are working in. Change to *EFCA Atlantic* if different.
- Change map projection to *World Mercator* and Base Layer to *CMAP base*.
- Change label information for to show only flag.
- Change client preferences to see the labels of the ships in a scale higher (closer) than 1:10,000

## 2. Layers management

- Change the base maps to a map that displays bathymetry.
- Change the layers to display only the latest T-AIS and S-AIS position vessels.
- Display the legend of the source of the positions
- Display the following layers:
  - Territorial waters;
  - FAO and ICES fishing areas.

## 3. Vessel traffic information

- Search for vessel: "Roaz" (IR: PRT000022828)
  - What are the corresponding IMO, MMSI, Flag, call sign?  
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  - What is the ship type and source of the latest position report?  
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- Search for vessel with IR: PRT000022690
  - What are the corresponding IMO, Ship Name, Flag State and MMSI?  
.....
  - What is the ship type and source of the latest position report?  
.....
  - Identify which port the vessel is coming from?  
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## 4. Vessel Track Query

- Search for the details of the vessel with IMO 7907661 (name: Stena Spirit)
- Load history of this vessel for the last 24 hours and show it on the map.
- Export the vessel track as a gml file

## 5. View vessels

- Zoom to the NW of Spain.
- Filter to see fishing vessels only from Spanish and Portuguese flags.
- Add them a label that displays only the flag.
- Choose all possible sources, and choose a legend based on data source.

## 6. SSN Enrichment

- Filter with Vessels with Waste and Hazardous materials on board.
- Choose one and request all the Waste and HAZMAT information from the C&I window.

## 7. Area Centric Query

- Setup an area centric query in the Marshall Islands for the last 12 hours to retrieve vessels tracks (position source: ALL)
  - What information you find in the TTT?
 

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- Setup an area centric query in Gulf of Guinea for the last 6 hours to retrieve vessels tracks (position source: ALL and then only SAT-AIS)
  - Export the Vessel Tracks panel
  - Select only one vessel of interest

## 8. Integrated Ship Profile

- Set-up an Integrated Ship Profile query for a given vessel
  - What information you find in the TTT?
 

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- Export Vessel Positions report to KML file;
- Save your ISP query

## 9. EO imagery and derived products

- Select the EO layer only - Deactivate the vessels layer
- View the frames of the SAR imagery delivered in the last 24 hours
- Look at the imagery in the TTT
 

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- EO Products:
  - Filter for VDS only and correlated ones

- Analyse the image timestamps, what are the main characteristic of the EO products displayed in the SEG by default?

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## 10. Met-ocean data

- Filter out and display the following In-Situ (EMODnet) data off Portuguese coast:
  - Sea temperature
  - Atmospheric pressure at sea level
- Check which data buoys are closest to the Maltese waters?

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## 11. User Risk

- Select one vessel and assign to her risk level low
- Select multiple vessel and assign medium risk level

## 12. Favourites

- Select an area and save in your favourite
- Select one vessel and save in your favourite
- Select multiple vessels and save in your favourite

## 13. Search for a vessel using advanced search

- Search vessel for IMO 6366009840

## 14. ABM's (alerts)

- Visualise an ABM alert in the TTT panel. What information do you see?



# SCENARIOS

## SCENARIO 1

Your administration has just received information that there may be an unspecified alert related to vessel IR PRT000022690. Use the necessary tools to find out the current position of the vessel, where it has been travelling through the last week and if it has been close to any marine protected area.

## SCENARIO 2

Your administration is responding to an IUU intelligence update, and has asked you to identify all fishing vessels in the vicinity of the Malta BFT Farm “Fish & Fish”. Use the necessary tools to analyse the potential F/V involved as well as the positions of all fishing vessels, as well as other vessel types, in the vicinity of the farms.

## SCENARIO 3

### List of ships

You are an IUU inspector in the port of Zeebrugge (BEZEE). Your “port management system” is not operational and you need to know the list of vessels expected to arrive at your port in the next 3 days. Use the SEG to find this information.

## SCENARIO 4

### Tracking of the vessels of interest

Your administration has just received information that there may be an unspecified IUU alert related to an unidentified Algerian tanker (ship type as reported in AIS messages), which is currently on the Mediterranean Sea. Setup a filter with validity time = 1 day which will allow quick display / presentation of your vessels of interest.

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