



IMS Training

IMDatE WUP Training exercises and scenarios

This document contains credentials for your access to the IMDatE as well as data for practical exercises and scenarios

Lisbon, 21 October 2016

IMDatE WUP ACCESS

<https://portal.emsa.europa.eu/group/imdate/wup>

Table 1- IMDatE training users

USERID	PASSWORD
TRAINING_01	Ab12345cd
TRAINING_02	Ab12345cd
TRAINING_03	Ab12345cd
TRAINING_04	Ab12345cd
TRAINING_05	Ab12345cd
TRAINING_06	Ab12345cd
TRAINING_07	Ab12345cd
TRAINING_08	Ab12345cd
TRAINING_09	Ab12345cd
TRAINING_10	Ab12345cd
TRAINING_11	12345Abcd
TRAINING_12	Ab12345cd
TRAINING_13	Ab12345cd
TRAINING_16	Ab12345cd
TRAINING_17	12345Abcd

EXERCISES

1. Preferences

- Change map projection to North Polar and base layer to ArcGIS Ocean
- Change label information for the vessels to include Name and IMO only (Note: Do not save the workspace), altitude (scale): 100 km

2. Search functionality

- Search for vessel with MMSI: 367403791
 - What are the corresponding IMO, Ship Name, Flag State, C/S?
.....
 - What is the ship type and source of the latest position report?
.....
- Search for vessel with C/S: 9HA2101
 - Apply filter

- What are the corresponding IMO, Ship Name, Flag State and MMSI?
.....
- What is the ship type and source of position?
.....
- How can you identify where the vessel is coming from?
.....

3. Setup a filter

- Depending on the source of position:
 - All AIS
 - Vessels by position source (only SAT-AIS)
 - Vessels by position source (only LRIT). Which LRIT flag fleet vessel can you see?
.....
- Bahamian flag vessels:
 - Only LRIT
 - Only SAT-AIS
 - All possible sources

4. Layers

- Filter out the following layers:
 - Territorial waters
 - Placemarks
 - EO data & products
.....

5. Vessel Track

- Search for the vessel IMO 9050125
 - Load the last 24hours track
 - Load the track for the last 3 days with LRIT position reports only

6. Area Centric Query

- Setup an area centric query 12 Nm North off Bornholm Island for the last 12 hours to retrieve vessels tracks (position source: ALL) and Oil Spills
 - What is the difference between the information within the Time Explorer panel and the Vessel Tracks panel?
.....
 - Undock the Vessel Tracks panel

- Setup an area centric query searching for the vessels (VDS) in an area indicated by the trainers
- Setup an area centric query in the region indicated by the trainers for the last 6 hours to retrieve vessels tracks (position source: ALL and then only VDS) after Selecting only VDS select only uncorrelated
 - Export the Vessel Tracks panel
 - Select only one vessel of interest

7. Integrated Ship Profile

- Set-up an ISP query for a ship indicated by the trainers;
- What is the difference between the information within the Event timeline panel and Vessel Positions Reports panel

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

8. CSN-DC oil spills and EO products

- Oil Spill:
 - Turn the CSN DC information “ON” from the user preferences and save this configuration
 - Filter for Class A and Class B oil spills
 - What is the difference?

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

.....
 - Can you search for Oil Spills and EO products?

.....

VDS vessel detection service - Earth Observation (EO) product

- Verify the location of the Earth Observation (EO) images acquired over last 24 hours
- Select one EO imagery and verify if the VDS service products are in place (Select one uncorrelated vessel and verify what information are available in the side panel (Selection Info and Options)
- Select one correlated vessel, verify what information is available in the side panel (Selection Info and Options) and find the latest position of the ship. Perform the 24 hours VTQ for the ship

SCENARIOS

SCENARIO 1

Your administration has just received information that there may be an unspecified security alert related vessel IMO 9242649. Use the necessary tools to find out the current position of the vessel, where it has been travelling through the last 1 month and if in the last week it has been close to any area where a polluting has been reported in the EO (CSN) services. Confirm number of persons on board and whether the ship is carrying HAZMAT cargo.

SCENARIO 2

Your administration is responding to an oil spill, and has asked you to identify all EMSA and MS oil recovery vessels in the vicinity of the spill. Use the necessary tools and to analyse the potential polluter as well as the positions of all EMSA and MS oil recovery vessels in the vicinity of the spill.

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