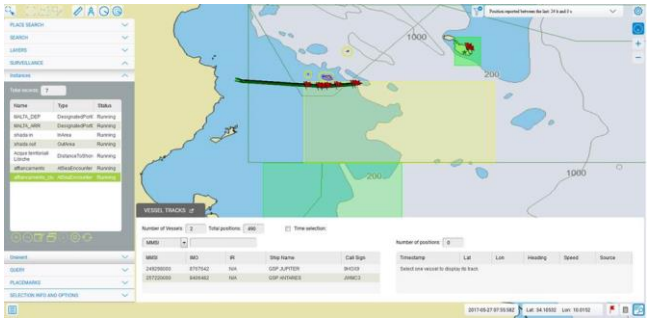
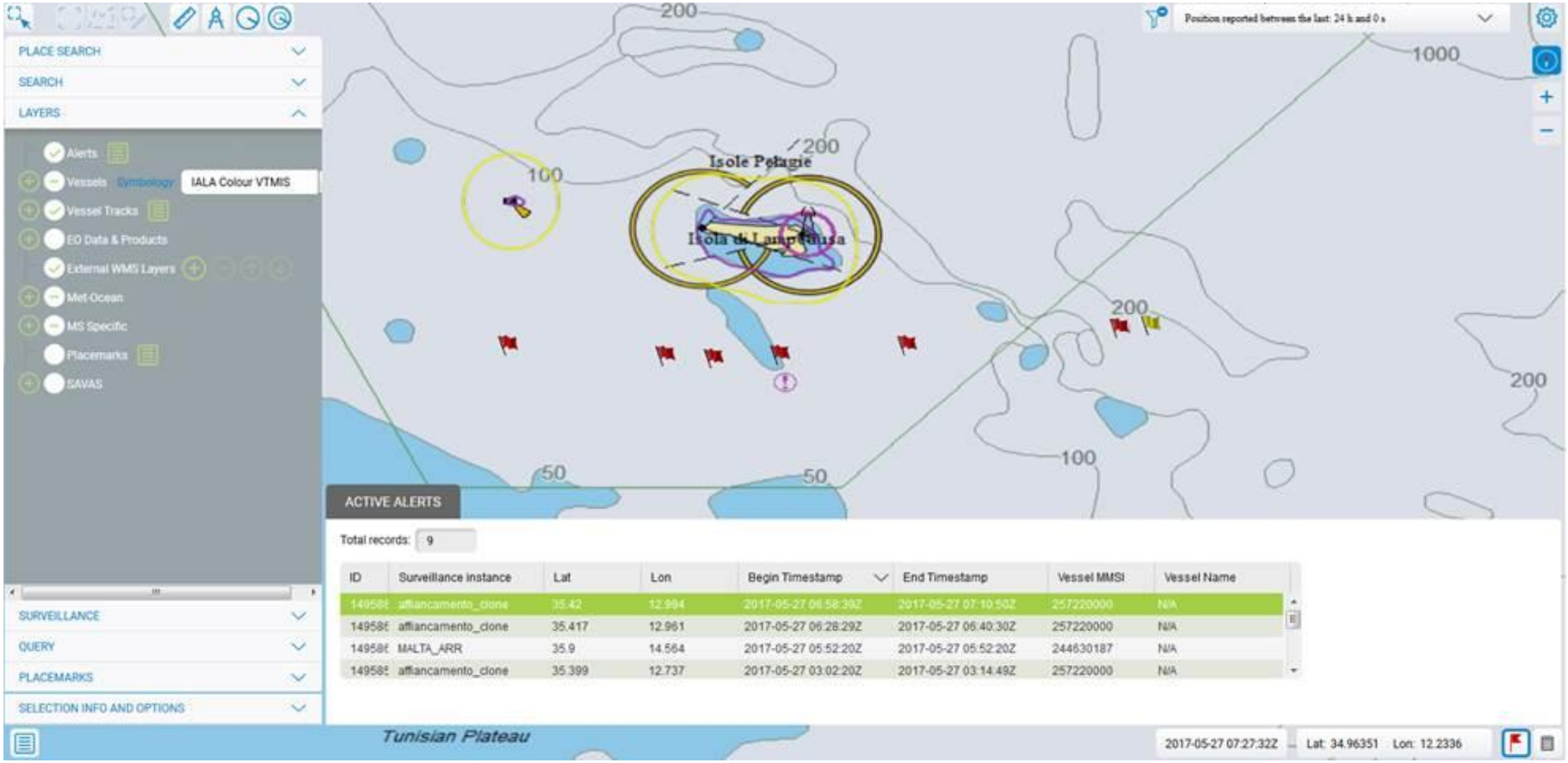
ABMs – operational use cases

At sea Encounter for various scenarios

Use cases and the related material by courtesy of the Italian Coast Guard

Towing operations monitoring - At Sea Encounter (1)

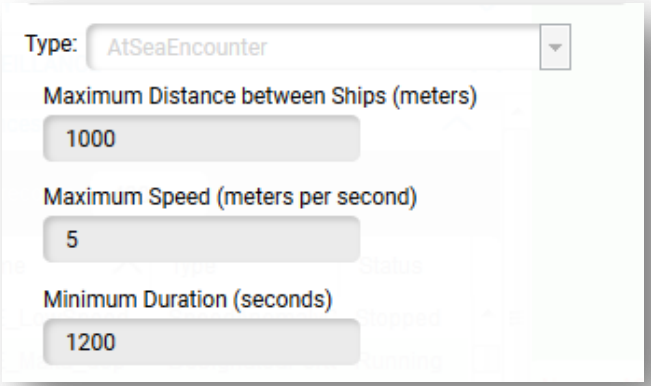


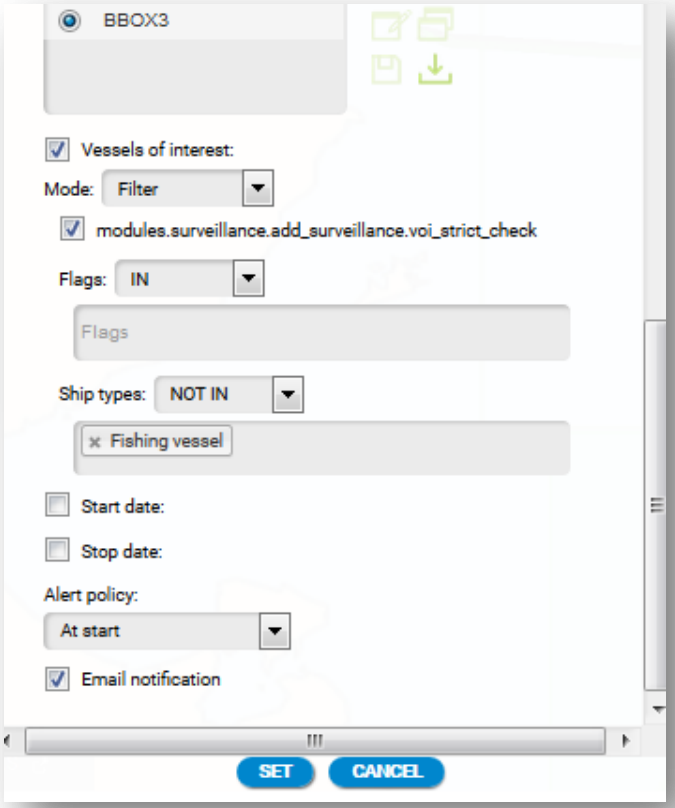

PLACE SEARCH
SEARCH
LAYERS
Alerts
Vessels
Symbology
IALA Colour VTMIS
Vessel Tracks
EO Data & Products
External WMS Layers
Met-Ocean
MS Specific
Placemarks
SAVAS
SURVEILLANCE
QUERY
PLACEMARKS
SELECTION INFO AND OPTIONS
Position reported between the last: 24 h and 0 s
Isole Pelagie
Isola di Lampedusa
Tunisian Plateau
ACTIVE ALERTS
Total records: 9
ID
Surveillance instance
Lat
Lon
Begin Timestamp
End Timestamp
Vessel MMSI
Vessel Name
14958
affiancamento_clone
35.42
12.994
2017-05-27 06:58:39Z
2017-05-27 07:10:50Z
257220000
N/A
14958
affiancamento_clone
35.417
12.961
2017-05-27 06:28:29Z
2017-05-27 06:40:30Z
257220000
N/A
14958
MALTA_ARR
35.9
14.564
2017-05-27 05:52:20Z
2017-05-27 05:52:20Z
244630187
N/A
14958
affiancamento_clone
35.399
12.737
2017-05-27 03:02:20Z
2017-05-27 03:14:49Z
257220000
N/A
2017-05-27 07:27:32Z
Lat: 34.96351
Lon: 12.2336

gspoffshore.com

GSP ANTARES

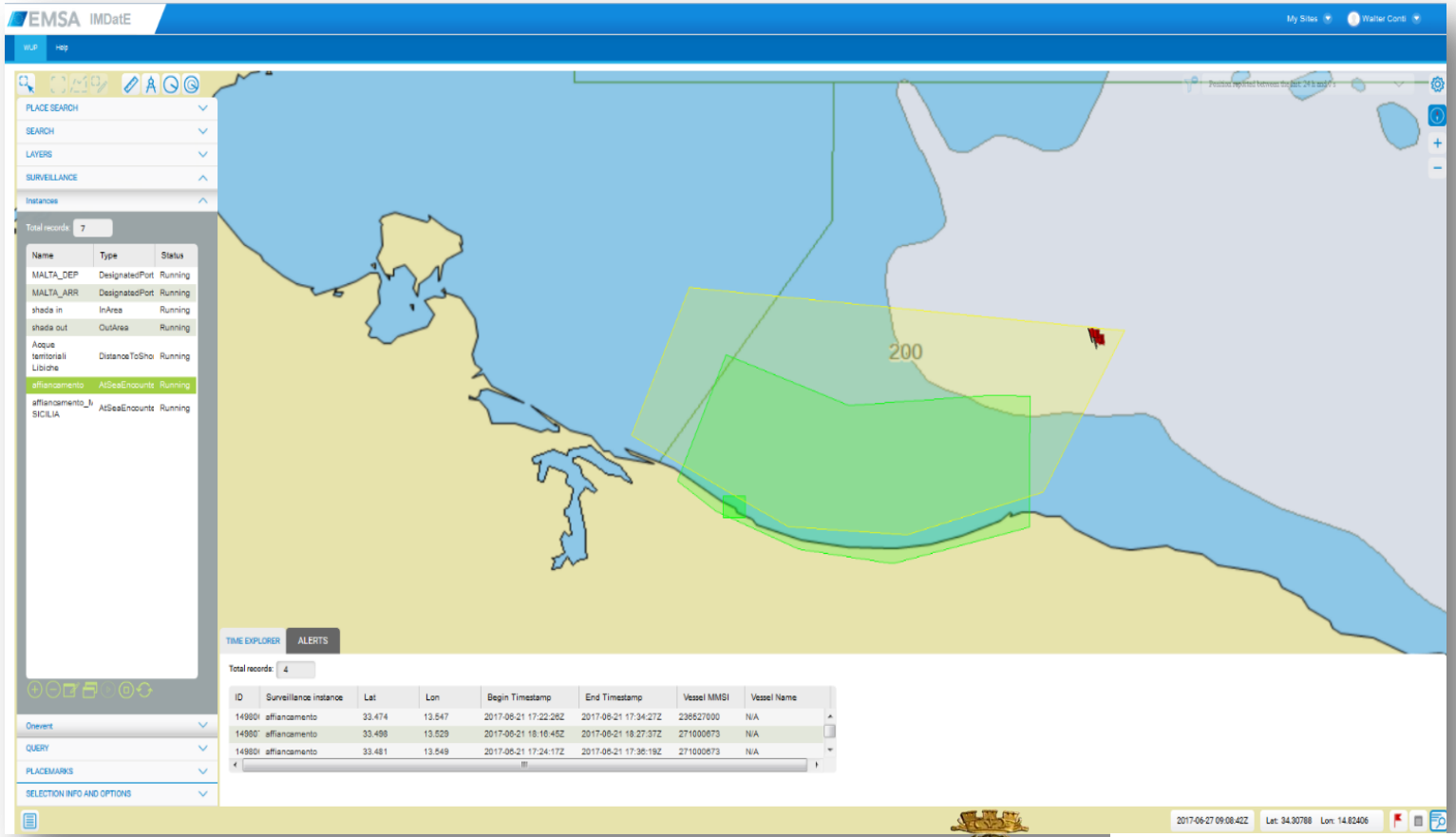
Specific settings

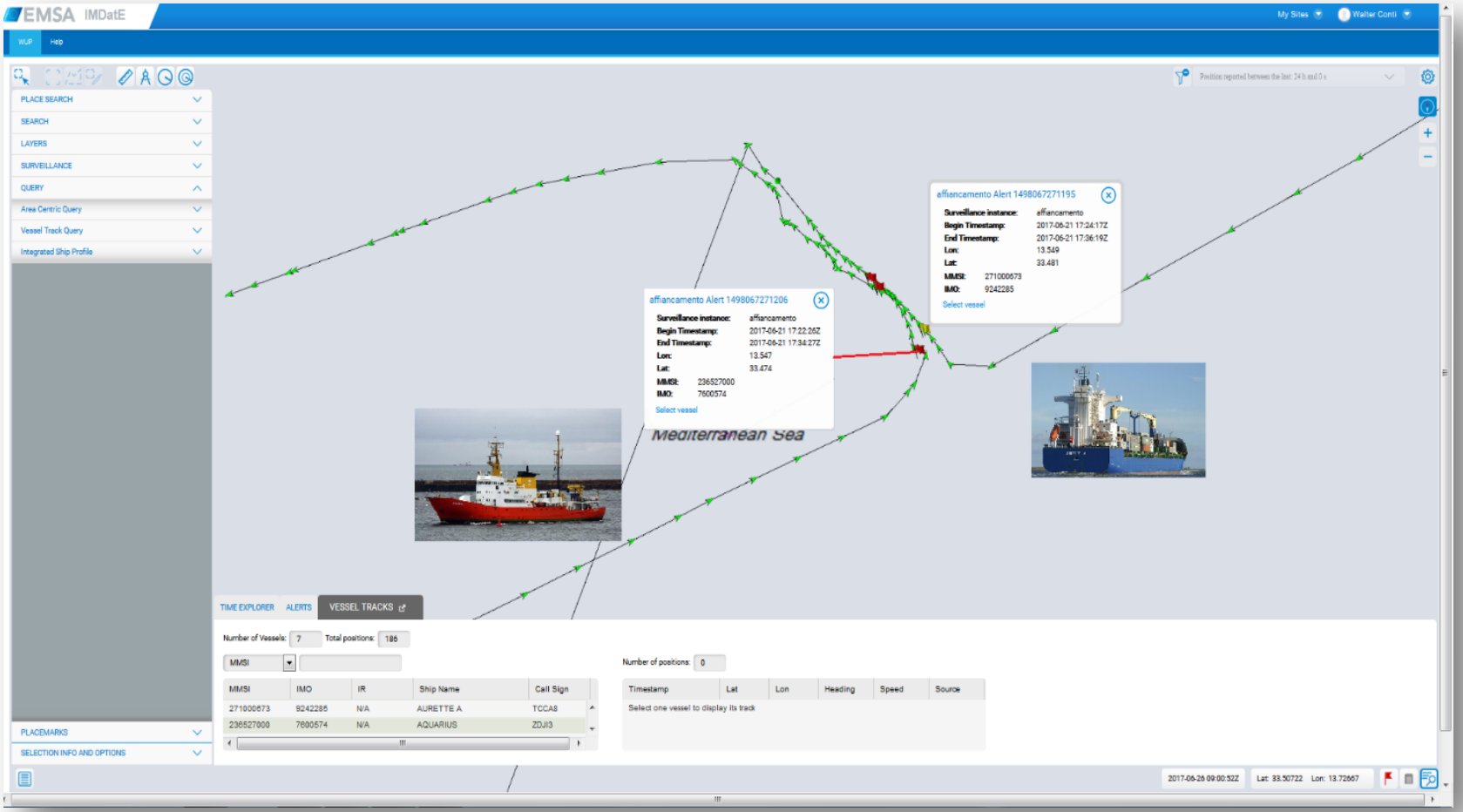




Fishing vessels excluded from the selection - filer option

Transfer of persons- At Sea Encounter (2)

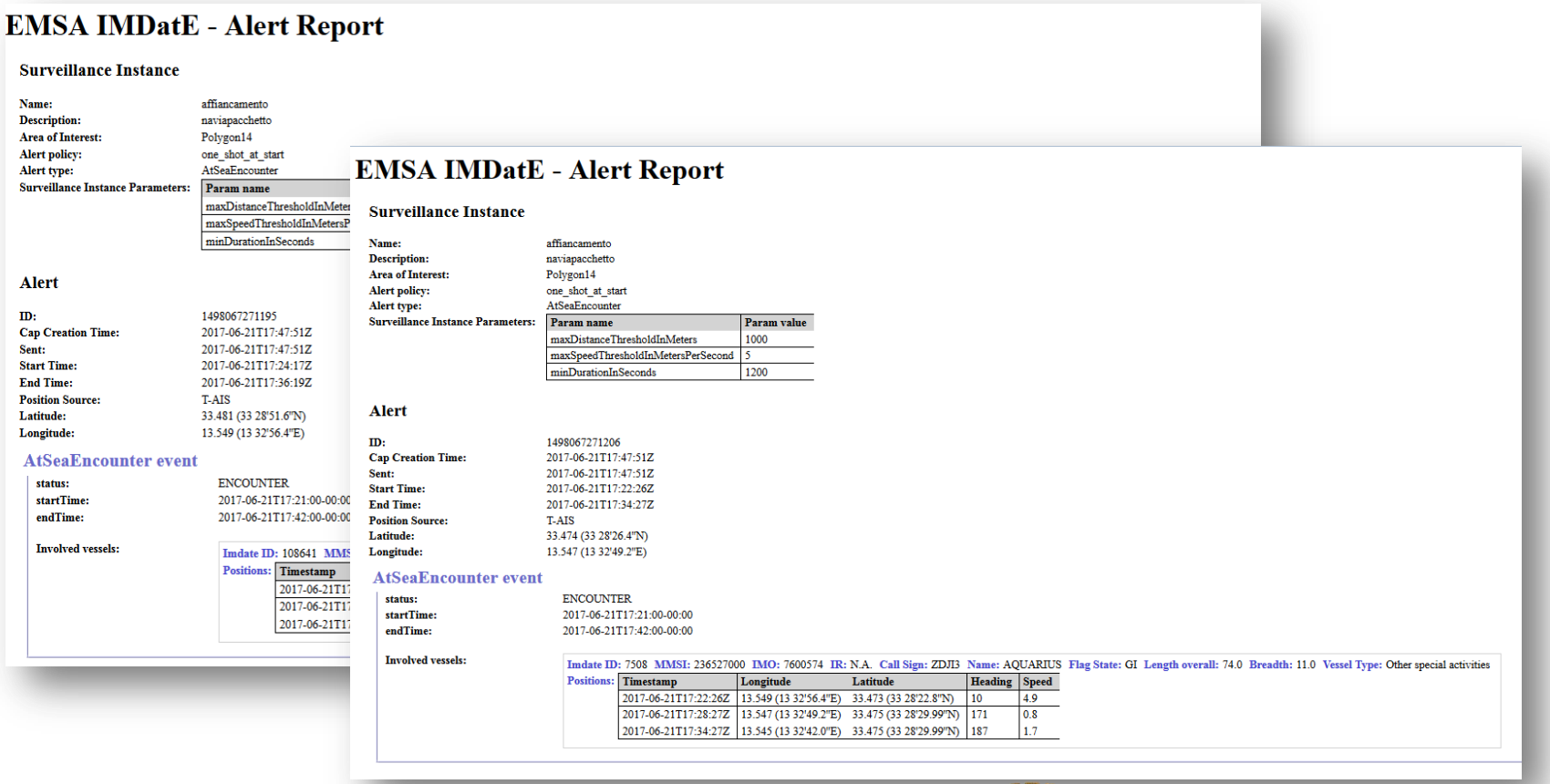




The ship involved were “AQUARIUS” (ONG SOS Mediterranean) and the Turkish cargo “AURETTE A” The ships approached one another to carry a transshipment of migrants, from “AURETTE A” to “AQUARIUS”.

Photos from the social media

The related alerting



EMSA IMDatE - Alert Report

Surveillance Instance

Name: affiancamento
Description: naviapacchetto
Area of Interest: Polygon14
Alert policy: one_shot_at_start
Alert type: AtSeaEncounter
Surveillance Instance Parameters:

Param name	Param value
maxDistanceThresholdInMeters	1000
maxSpeedThresholdInMetersPerSecond	5
minDurationInSeconds	1200

Alert

ID: 1498067271206
Cap Creation Time: 2017-06-21T17:47:51Z
Sent: 2017-06-21T17:47:51Z
Start Time: 2017-06-21T17:22:26Z
End Time: 2017-06-21T17:34:27Z
Position Source: T-AIS
Latitude: 33.474 (33 28'26.4"N)
Longitude: 13.547 (13 32'49.2"E)

AtSeaEncounter event

status: ENCOUNTER
startTime: 2017-06-21T17:21:00-00:00
endTime: 2017-06-21T17:42:00-00:00

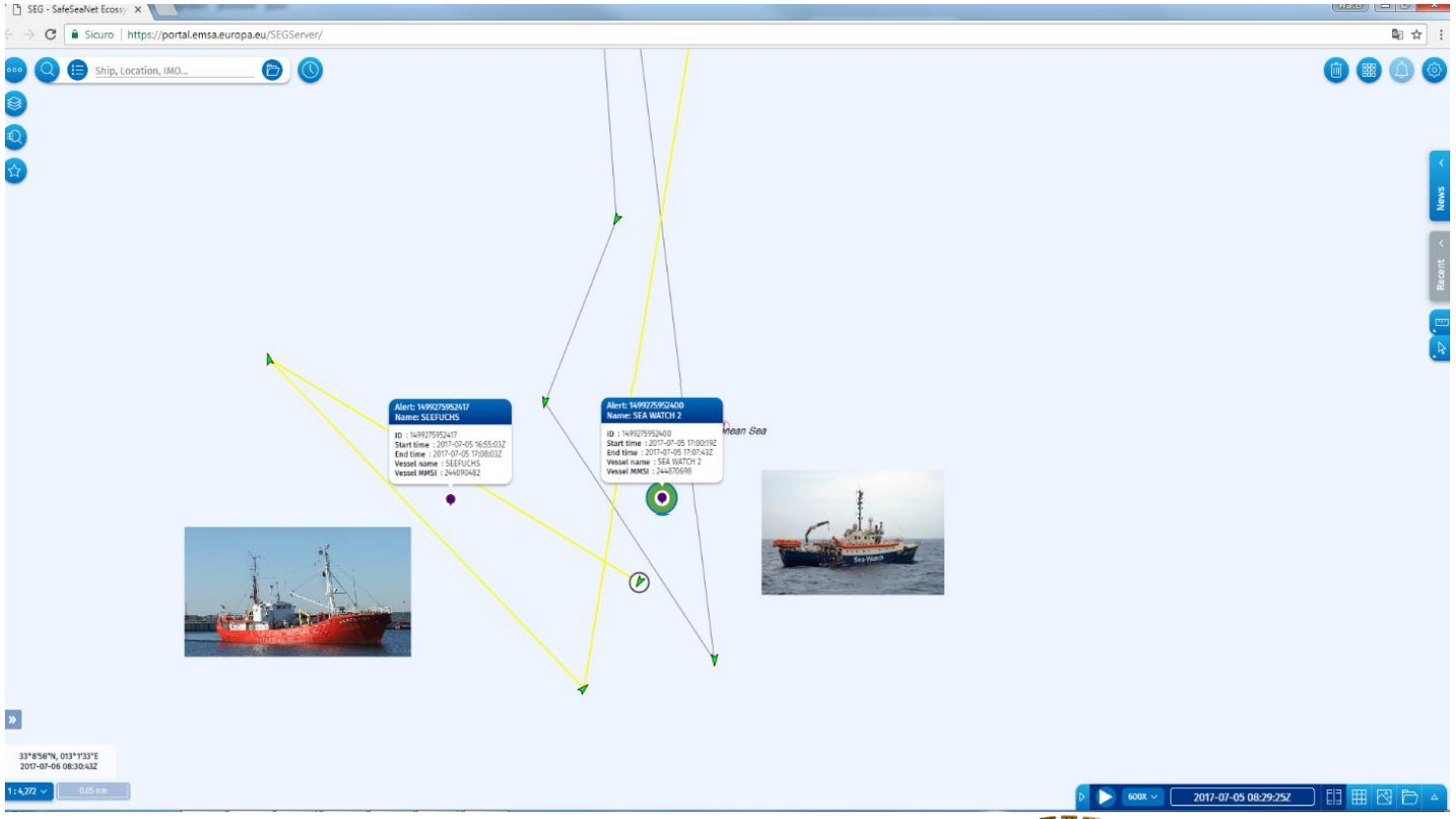
Involved vessels:

Imdate ID: 7508 **MMSI:** 236527000 **IMO:** 7600574 **IR:** N.A. **Call Sign:** ZDJI3 **Name:** AQUARIUS **Flag State:** GI **Length overall:** 74.0 **Breadth:** 11.0 **Vessel Type:** Other special activities

Positions:

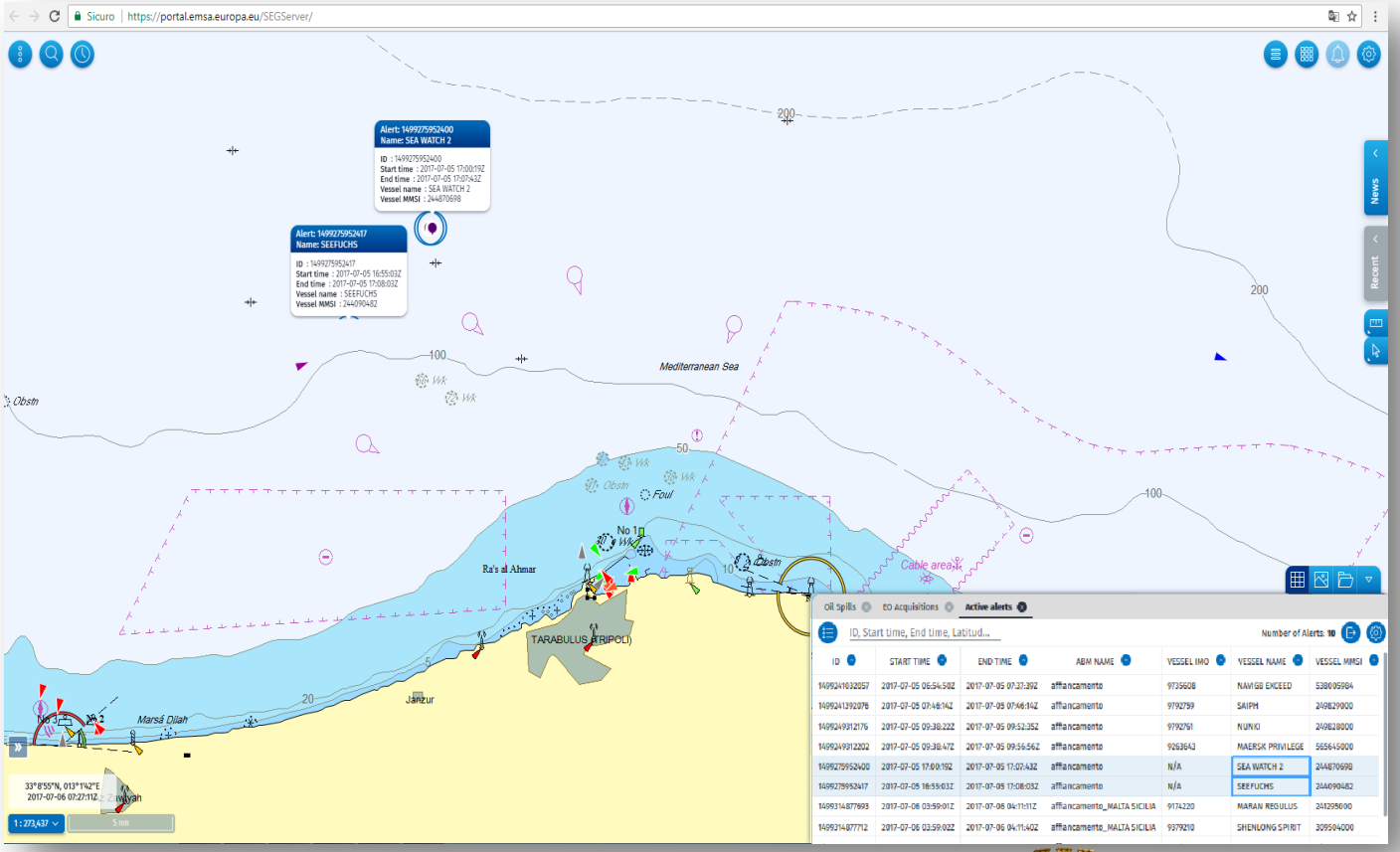
Timestamp	Longitude	Latitude	Heading	Speed
2017-06-21T17:22:26Z	13.549 (13 32'56.4"E)	33.473 (33 28'22.8"N)	10	4.9
2017-06-21T17:28:27Z	13.547 (13 32'49.2"E)	33.475 (33 28'29.99"N)	171	0.8
2017-06-21T17:34:27Z	13.545 (13 32'42.0"E)	33.475 (33 28'29.99"N)	187	1.7

Transfer of persons – At Sea Encounter (3)



The "SEA WATCH 2" approached the vessel "SEEFUCHS" to provide support due to engine problem.

Presentation of the alerts in SEG (new GI interface)



ABM reporting (messages) and photos from social media

EMSA IMDatE - Alert Report

Surveillance Instance

Name: affiancamento
Description: naviapacchetto
Area of Interest: Polygon14
Alert policy: one_shot_at_start
Alert type: AtSeaEncounter
Surveillance Instance Parameters:

Param name	Param value
maxDistanceThresholdInMeters	1000
maxSpeedThresholdInMetersPerSecond	5
minDurationInSeconds	1200

Alert

ID: 1499275952417
Cap Creation Time: 2017-07-05T17:32:32Z
Sent: 2017-07-05T17:32:32Z
Start Time: 2017-07-05T16:55:03Z
End Time: 2017-07-05T17:08:03Z
Position Source: T-AIS
Latitude: 33.149 (33 8'56.39"N)
Longitude: 13.026 (13 1'33.6"E)

AtSeaEncounter event

status: ENCOUNTER
startTime: 2017-07-05T16:51:00-00:00
endTime: 2017-07-05T17:18:00-00:00

Involved vessels:

Imdate ID: 1013202 MMSI: 244090482 IMO: N.A. IR: N.A. Call Sign: PD8888 Name: SEEFUCHS Flag State: N.A. Length overall: 26.0 Breadth: 6.0 Vessel Type: Pleasure yacht not engaged in trade

Positions:

Timestamp	Longitude	Latitude	Heading	Speed
2017-07-05T16:55:03Z	13.023 (13 1'22.8"E)	33.151 (33 9'3.6"N)	-1	3.7
2017-07-05T17:08:03Z	13.028 (13 1'40.8"E)	33.147 (33 8'49.2"N)	-1	0.3

EMSA IMDatE - Alert Report

Surveillance Instance

Name: affiancamento
Description: naviapacchetto
Area of Interest: Polygon14
Alert policy: one_shot_at_start
Alert type: AtSeaEncounter
Surveillance Instance Parameters:

Param name	Param value
maxDistanceThresholdInMeters	1000
maxSpeedThresholdInMetersPerSecond	5
minDurationInSeconds	1200

Alert

ID: 1499275952400
Cap Creation Time: 2017-07-05T17:32:32Z
Sent: 2017-07-05T17:32:32Z
Start Time: 2017-07-05T17:00:19Z
End Time: 2017-07-05T17:07:43Z
Position Source: T-AIS
Latitude: 33.149 (33 8'56.39"N)
Longitude: 13.029 (13 1'44.4"E)

AtSeaEncounter event

status: ENCOUNTER
startTime: 2017-07-05T16:51:00-00:00
endTime: 2017-07-05T17:18:00-00:00

Involved vessels:

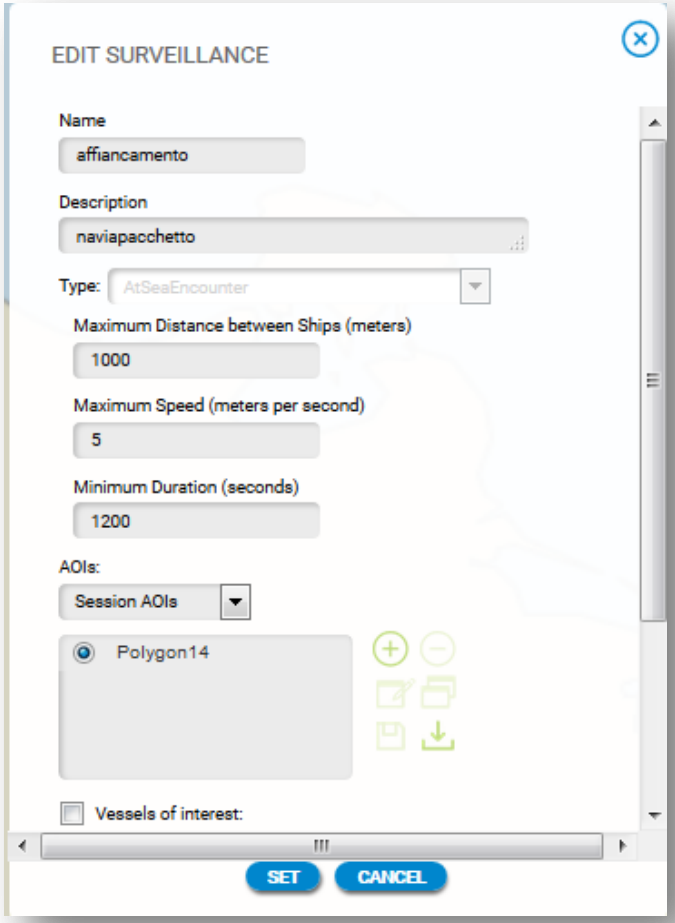
Imdate ID: 642640 MMSI: 244870698 IMO: N.A. IR: N.A. Call Sign: PD8224 Name: SEA WATCH 2 Flag State: NL Length overall: 32.0 Breadth: 8.0 Vessel Type: Government ship used for non-commercial purpose

Positions:

Timestamp	Longitude	Latitude	Heading	Speed
2017-07-05T17:00:19Z	13.027 (13 1'37.2"E)	33.15 (33 9'0.01"N)	-1	2.1
2017-07-05T17:07:43Z	13.03 (13 1'48.0"E)	33.147 (33 8'49.2"N)	-1	3

EMSA

Related setting



Training options – ABMs and SEG

SEG (new GI interface) webinars

- Available at various locations
- Using free – Google Hangout tool (with Chrome web browser)
- User experience and feedback
- Further requirements for training
- Use of the manual