

**IMDatE**

**Surveillance of Ship  
Behaviour**

**Enhanced SURPIC**

1

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**C.3.1 – Integrated Maritime  
Services**

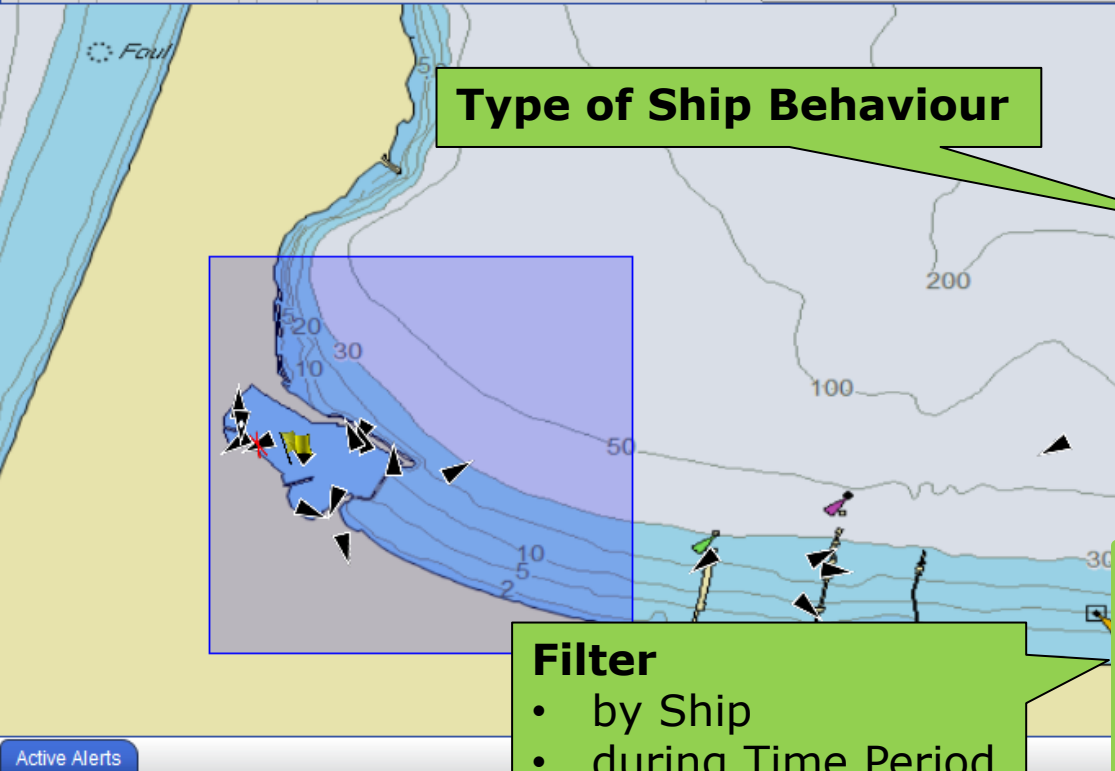
**7 May 2014**



# IMDatE – Behaviour Monitoring

- Automatic Monitoring of Ships
  - Route
  - Speed
  - Estimated Time of Arrival (ETA)
  - Destination
  - Reporting rate
  - Other parameters

Position reported between the last: 24 h and Add surveillance



**Type of Ship Behaviour**

**Filter**

- by Ship
- during Time Period

**Name**  
Sicilia 1

**Description**  
Raise an alert when a ship is moored in vicinity of the port of...

**Type**  
Anchorage

- Anchorage
- AtPortAtSea
- UnderOverReporting
- AreaEnteringOrLeaving
- DistanceToShore
- SuddenChangeInETA
- AtSeaEncounter
- InArea
- SuddenChangeOfHeading
- SpeedAnomalyOverPeriod
- SuddenChangeOfPort
- SuddenChangeOfSpeed
- SpeedOutsidePort
- AnchorageOutsidePort

☐ Vessels of interest:

☐ Start date:

☐ Stop date:

Set Cancel

Active Alerts

Total records: 8

ID	Surveillance instance	Lat	Lon	Begin Timestamp	Vessel MMSI	End Timestamp
139463	Messina	38°12'34"N	015°33'43"E	2014-03-12 15:19:42	247054300	2014-03-12 15:19:42
139463	Messina	38°11'18"N	015°33'48"E	2014-03-12 15:19:36	247572000	2014-03-12 15:19:36
139463	Messina	38°13'24"N	015°37'58"E	2014-03-12 15:19:07	247054200	2014-03-12 15:19:07
139463	Sicilia 1	38°13'01"N	015°14'40"E	2014-03-12 15:17:11	247413000	2014-03-12 15:17:11
139463	Messina	38°19'55"N	015°37'05"E	2014-03-12 15:16:11	247100520	2014-03-12 15:16:11

Search

Layers

Query

Surveillances

Total records: 8

Name	Type	Status
InAreaTest	InArea	Stopped
TEST_SURV	InArea	Stopped
Sicilia 1	InArea	Stopped
Messina	InArea	Stopped

Statistics

Selection Info

Last Position Report

Common Data

Lon: 015°33'43"E

Lat: 38°12'34"N

Transmission Time: 2014-03-12 15:19:42

Speed: 0 knots

Heading: 127 degrees

Position Source: T-AIS

Originator: AIS-A

Navigational Status: Under way using engine

Enrichment: No Notification


Validity Flag: Unable to Validate

Source Specific Data

Declared Identity

Last Voyage Report

Vessel image



Position reported between the last: 24 h and 0 s

Event location

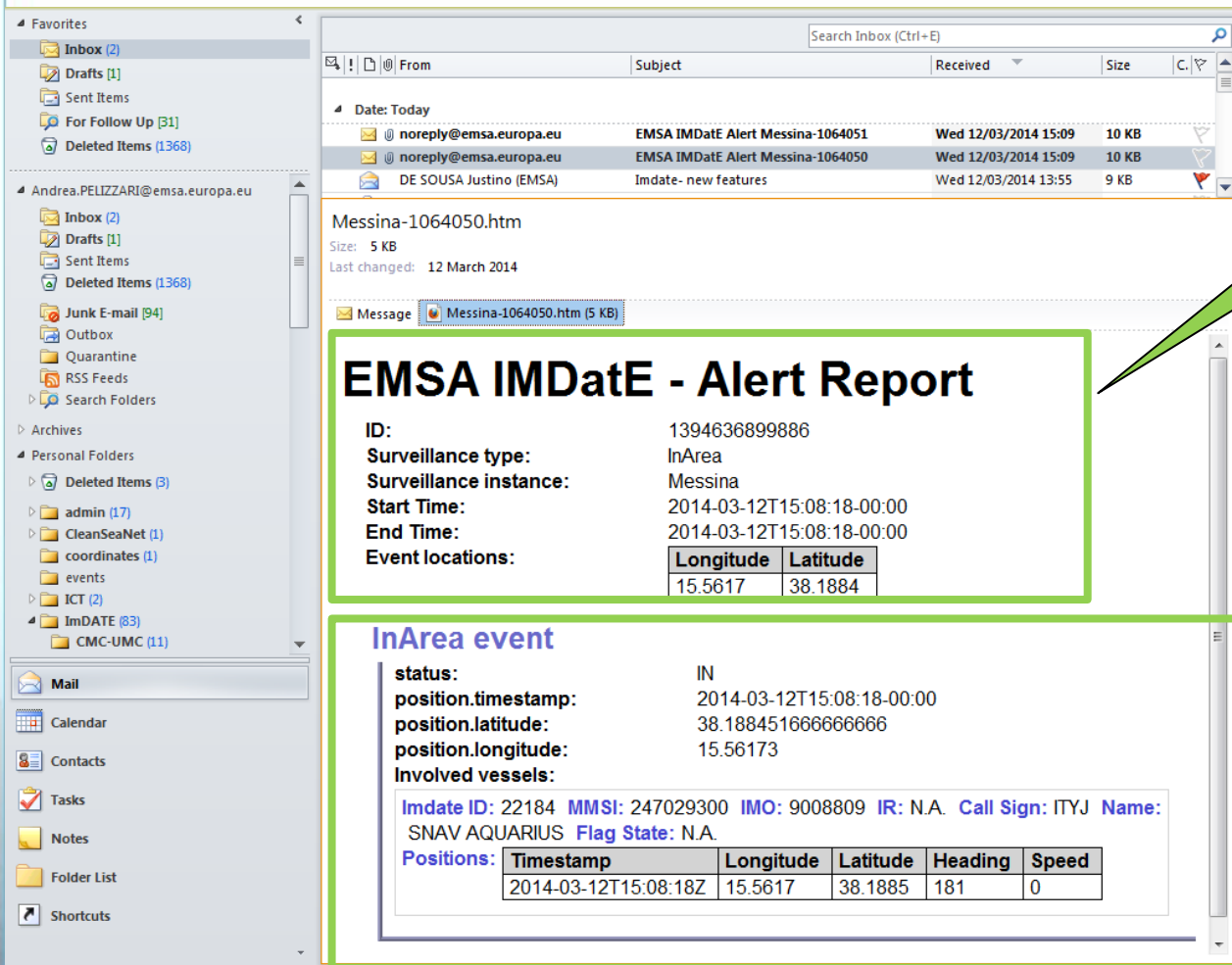
Ship details

Pop-up Alert

Lat: 37°56'54"N

New Messina Alert

# IMDatE – Alert E-Mail Report



**EMSA ImdatE - Alert Report**

ID: 1394636899886  
 Surveillance type: InArea  
 Surveillance instance: Messina  
 Start Time: 2014-03-12T15:08:18-00:00  
 End Time: 2014-03-12T15:08:18-00:00  
 Event locations:

Longitude	Latitude
15.5617	38.1884

**InArea event**

status: IN  
 position.timestamp: 2014-03-12T15:08:18-00:00  
 position.latitude: 38.188451666666666  
 position.longitude: 15.56173  
 Involved vessels:

Imdate ID: 22184 MMSI: 247029300 IMO: 9008809 IR: N.A. Call Sign: ITYJ Name: SNAV AQUARIUS Flag State: N.A.

Positions:	Timestamp	Longitude	Latitude	Heading	Speed
	2014-03-12T15:08:18Z	15.5617	38.1885	181	0

**Surveillance details**

**Event details**

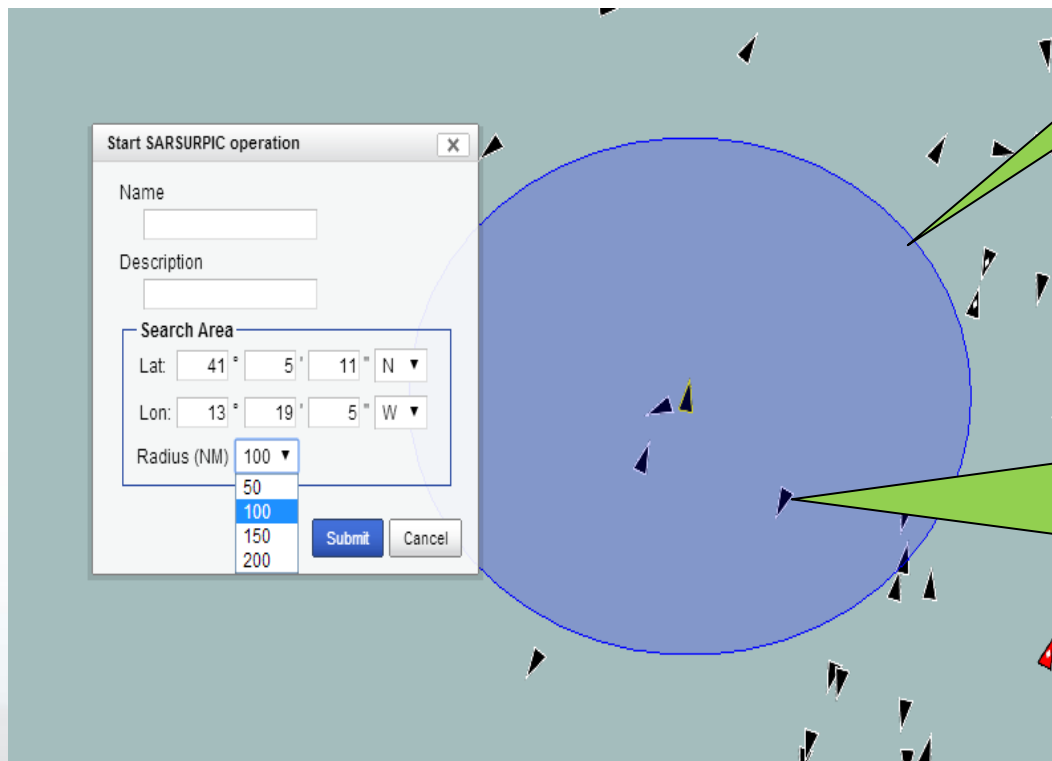
- Ship Identification
- Ship Position, Heading, Speed
- Other relevant information

# IMDatE – Ship Behaviour Monitoring

**LIVE DEMO**



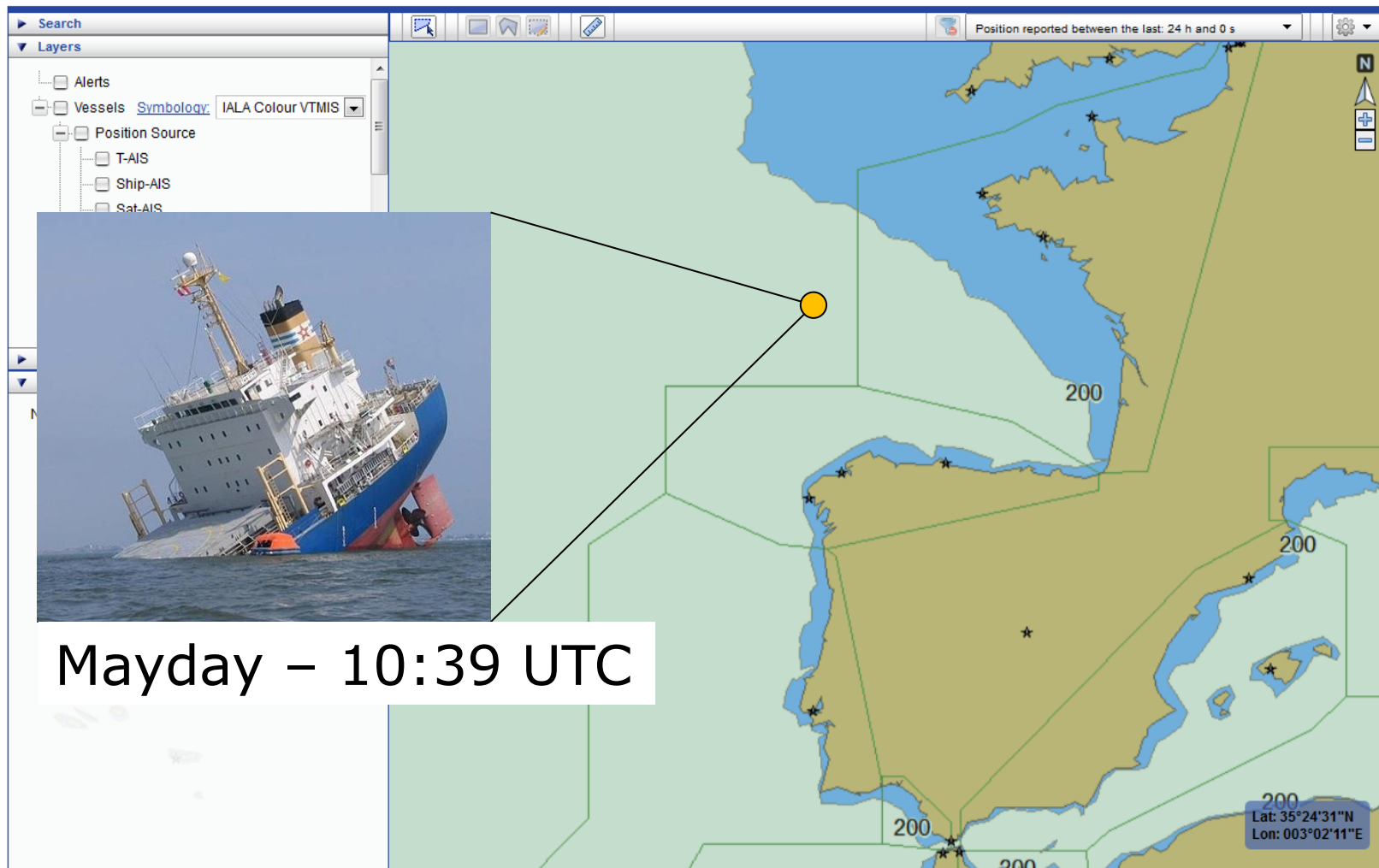
# IMDate – E-SURPIC



**SURPIC Area**

## **Positions**

- LRIT
  - EU
  - non-EU
- Sat-AIS
- VMS
- T-AIS





## SURPIC Positions

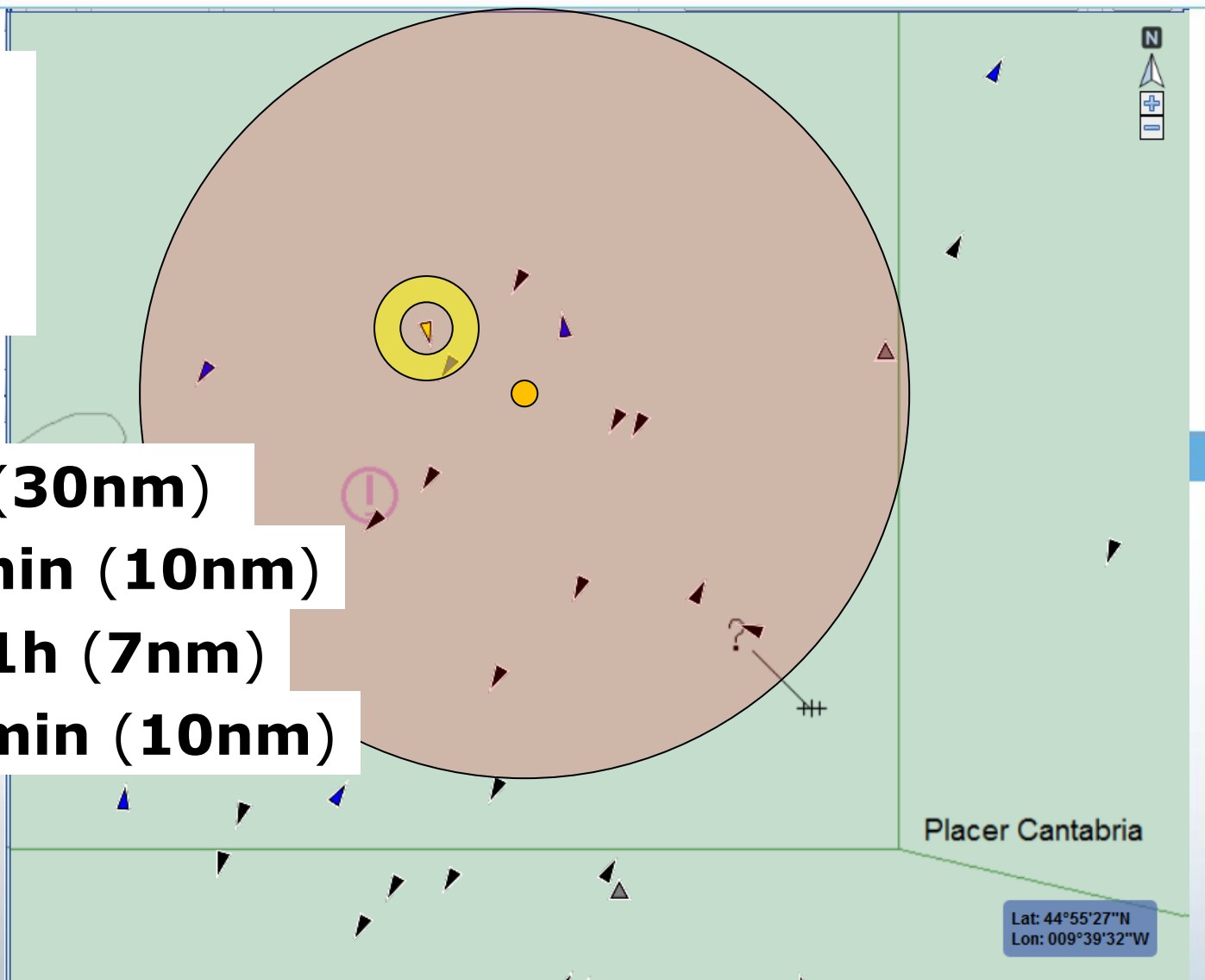
- How old?
- How far?

LRIT – **4h (30nm)**

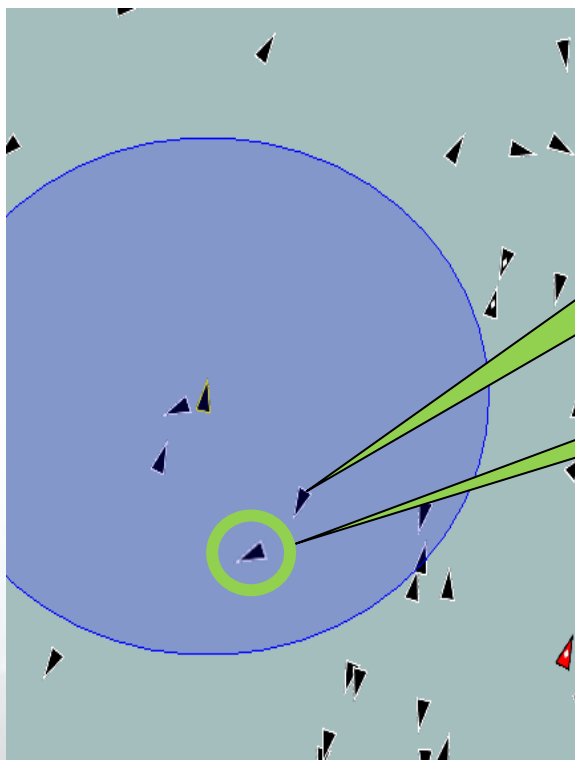
T-AIS – **5min (10nm)**

Sat-AIS – **1h (7nm)**

VMS – **10min (10nm)**



## IMDatE – SAR Poll



**Click and Poll**  
a specific LRIT ship

**Display** the  
current position

## **IMDatE – E-SURPIC benefits**

- More data sources
- More ships
- More recent positions

**Saving more lives than ever!**

A large, powerful ocean wave is breaking, with white foam and spray visible. The wave is the central focus of the lower half of the slide, set against a background of a calm sea and a clear sky.