EUROPEAN MARITIME SAFETY AGENCY

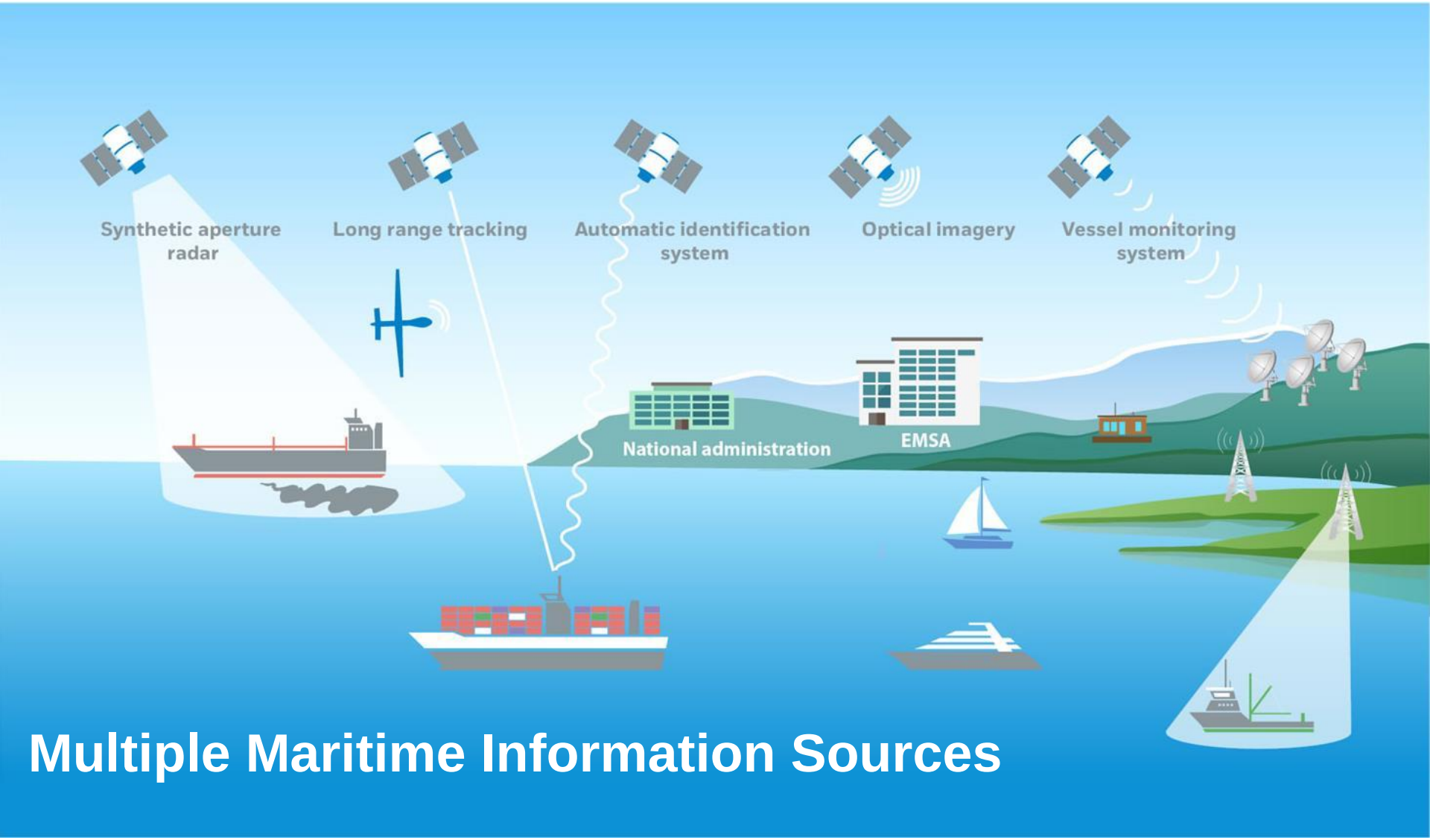
Tasks and responsibilities

Radina Russeva /
Communication Officer

EMSA Open Day / 19 September 2018

EMSA Operational tasks

Maritime surveillance



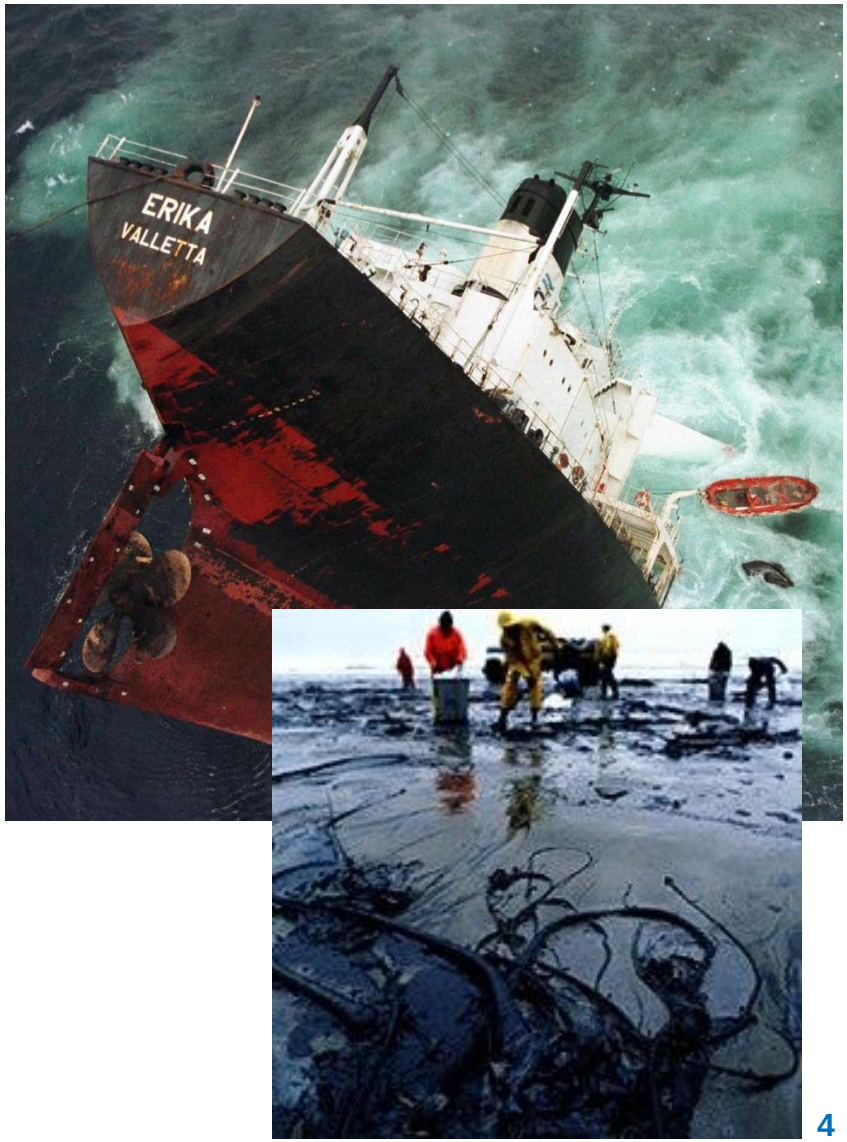
Multiple Maritime Information Sources

SafeSeaNet

Following the loss of the tanker Erika in 1999, the European Union adopted several directives aiming at preventing both accidents at sea and pollution by ships

One is Directive 2002/59/EC that establishes the **SafeSeaNet (SSN)** - the Union maritime information and exchange system

SSN enables the receipt, storage, retrieval and exchange of maritime related information between MS competent authorities



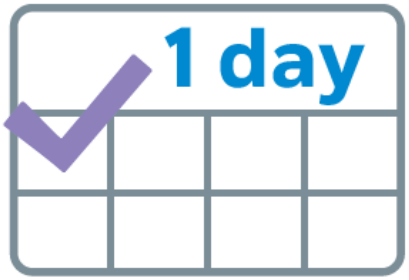
Vessel Traffic Monitoring

Vessel Traffic Monitoring

2017

DATA PROCESSED BY EMSA INFORMATION SERVICES

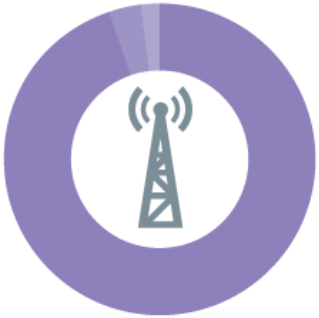
ACTIVITIES COVERING:



21 million

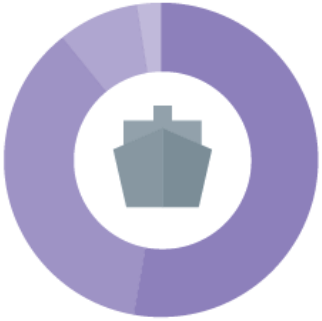
TOTAL MESSAGES RECEIVED BY EMSA ON 05/09/2017

AIS (terrestrial & satellite)	21 417 877
VMS	78 368
LRIT	40 421



95719

NUMBER OF DISTINCT VESSELS DETECTED PER SOURCE ON 05/09/2017

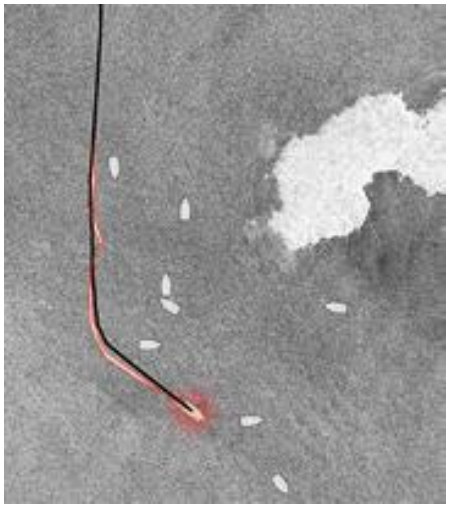


S-AIS	63,5%
T-AIS	44,6%
LRIT	10,6%
VMS	3,8%

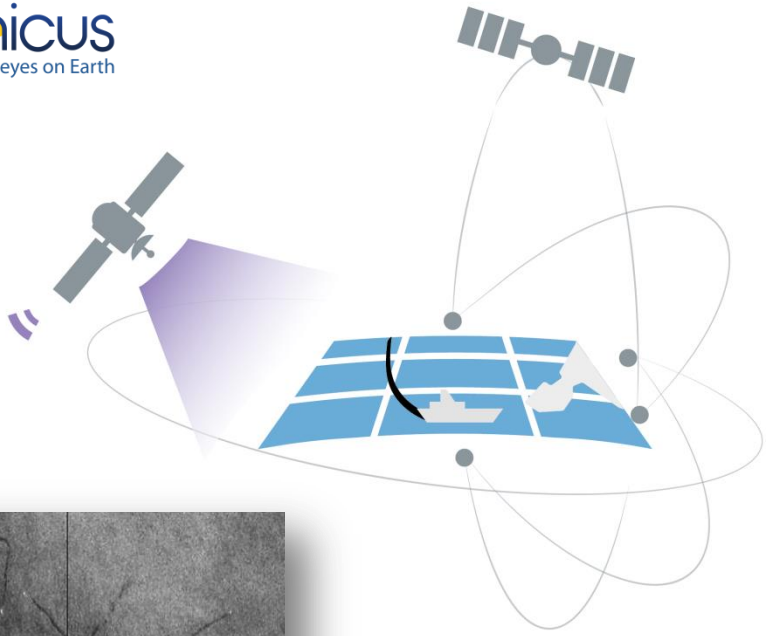
CleanSeaNet

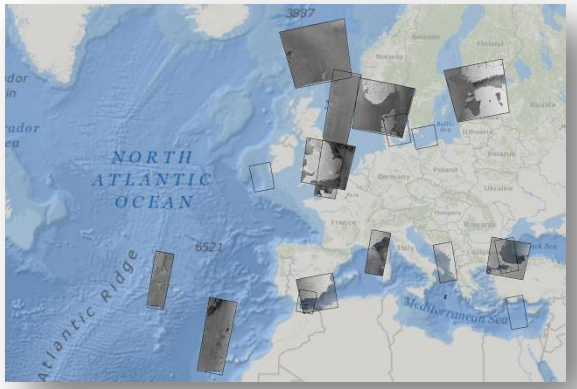
- **European Satellite-based Oil Spill monitoring and Vessel Detection Service**
- **CleanSeaNet service** increases the likelihood that a state will be able to determine which vessel is polluting and take respective action in due time
- **Objective:**
  - Identifying & tracing oil pollution on sea surface
  - Monitoring accidental pollution during emergencies
  - Helping identifying the polluters

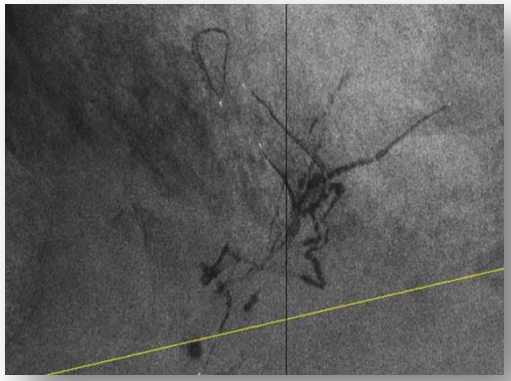
- **Available to:**
  - All EU Member States
  - EFTA/EEA Member States
  - Acceding & candidate countries
  - ENP countries



Earth Observation





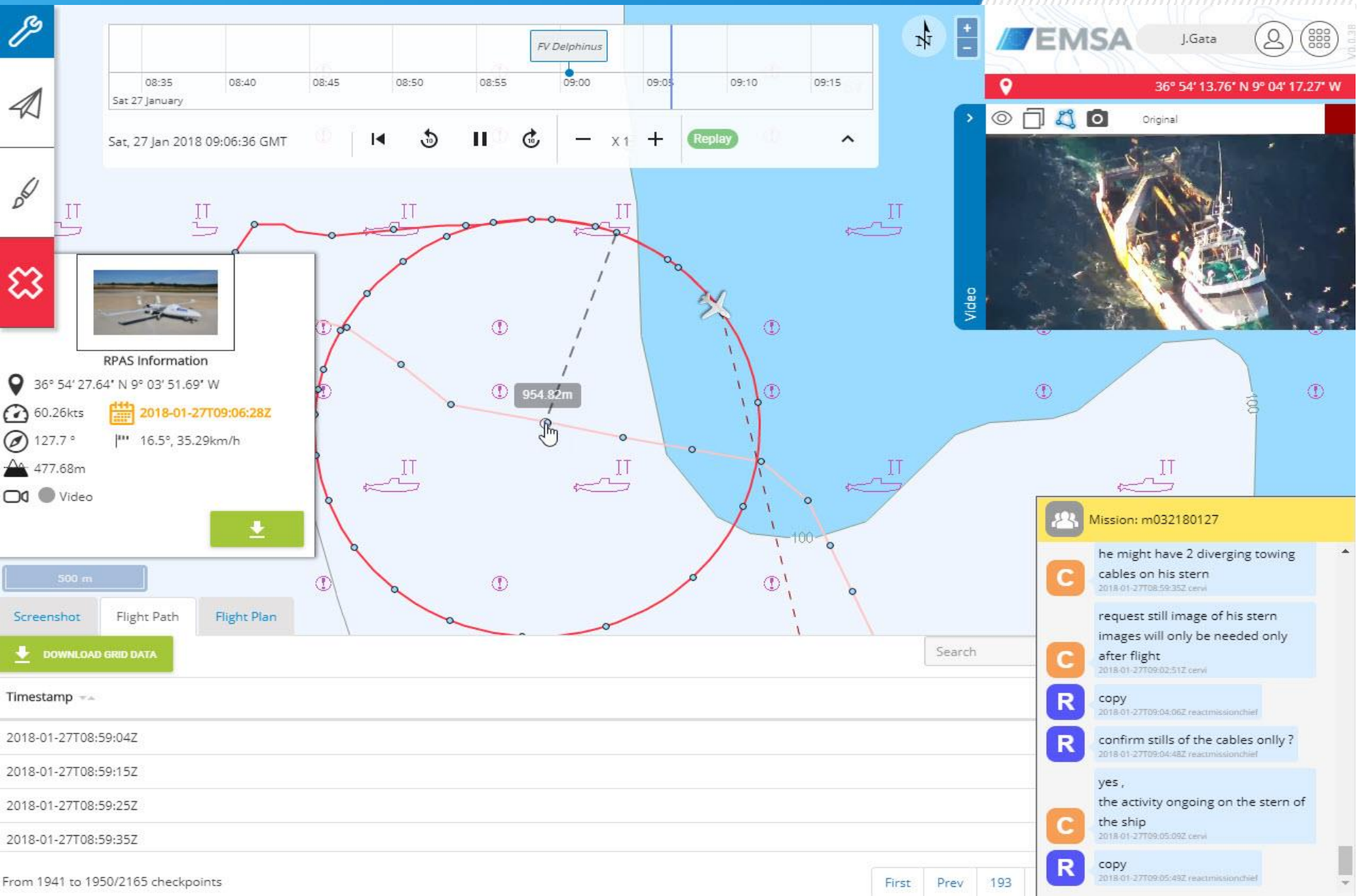


Synthetic Aperture Radar

Optical images

Remotely Piloted Aircraft Systems (RPAS)

EMSA

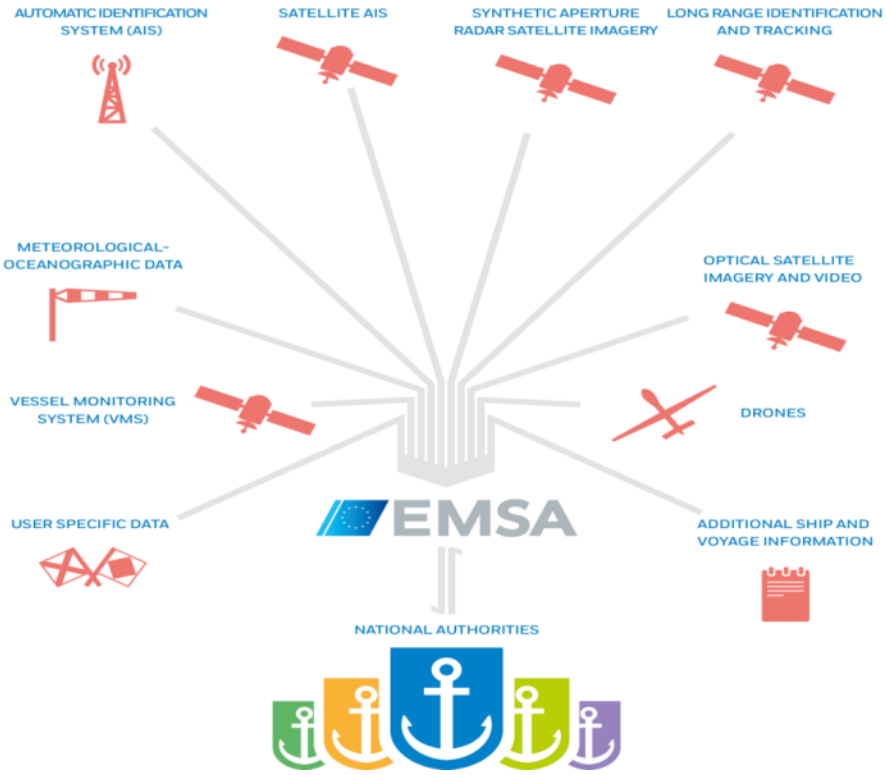


Integrated Maritime Services

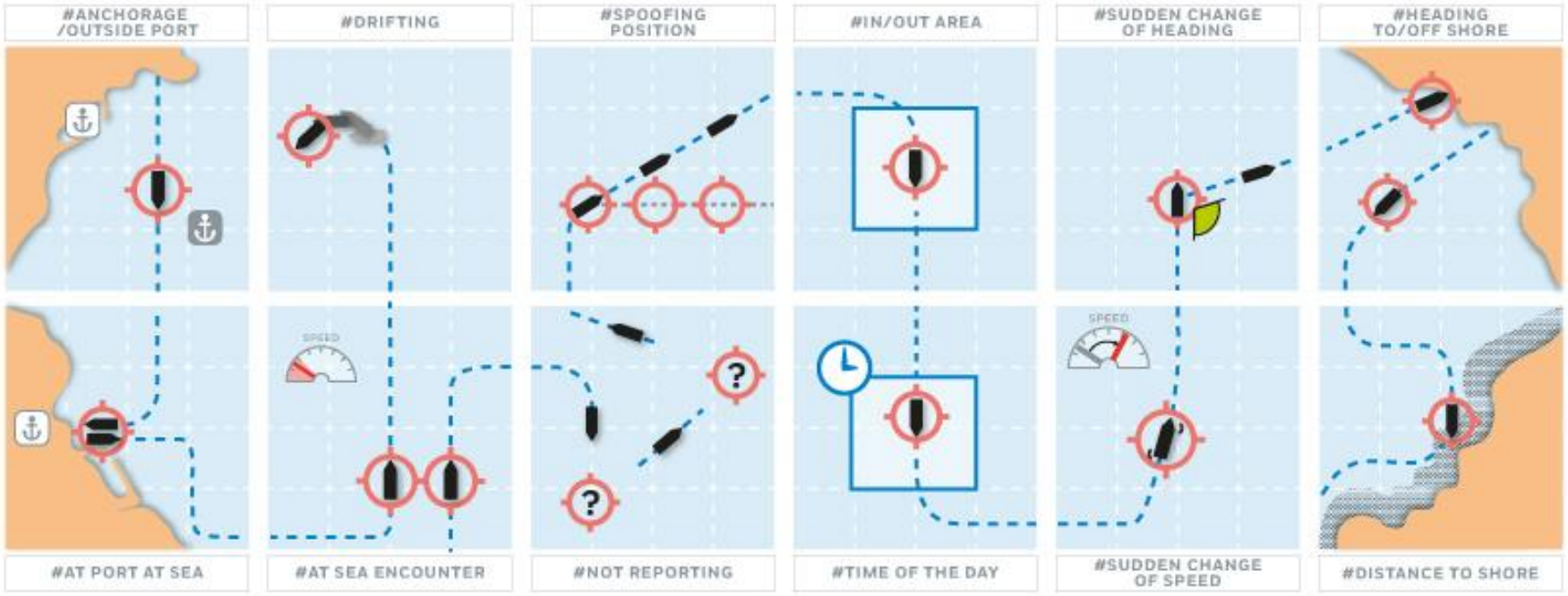
- **Collects** and **combines** data from EMSA's maritime applications and other external sources to provide more comprehensive and configurable services to users

- **Supports** and **enhances** the portfolio of services provided by the existing EMSA applications

- **Provides** more options for:
  - data visualisation,
  - data analysis,
  - a single sign-on process,
  - new machine-to-machine interfaces
  - automated vessel behaviour monitoring

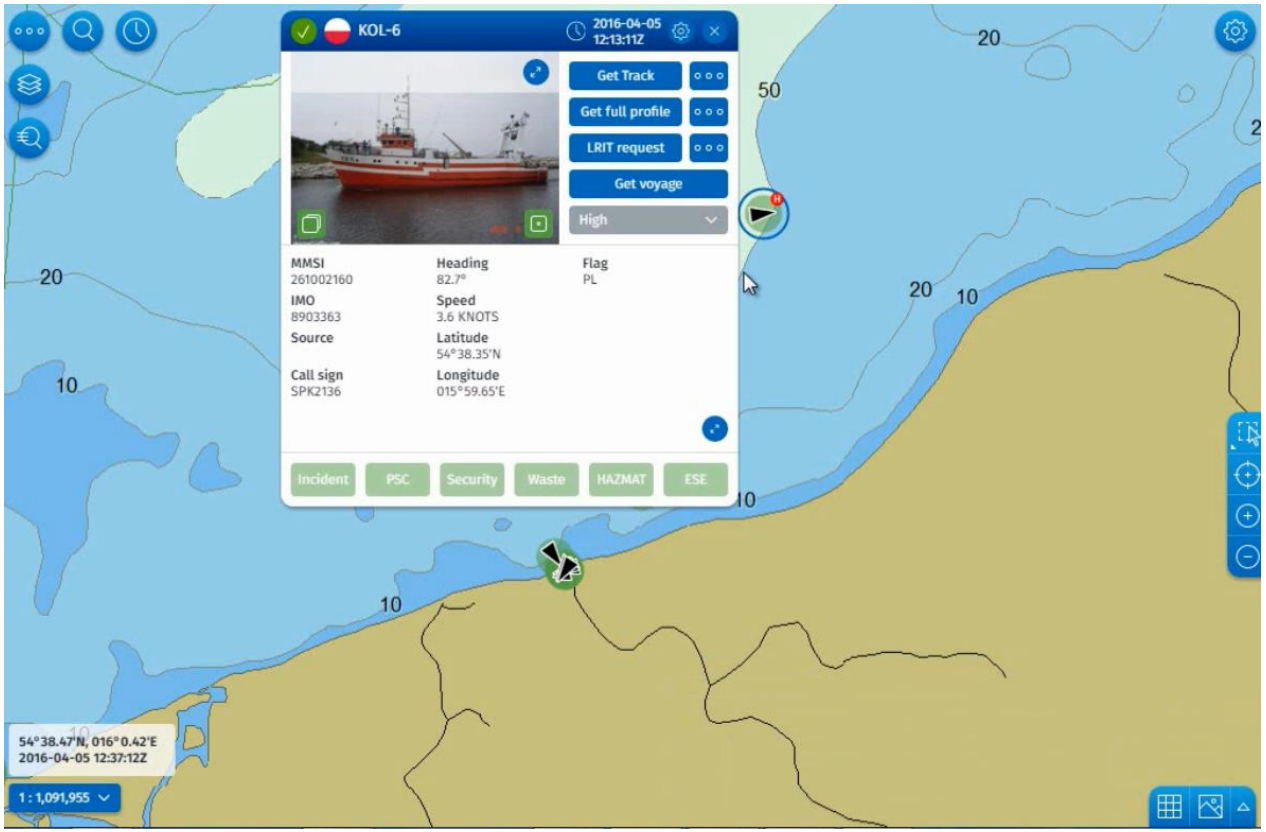


Automated behaviour monitoring



Access to Integrated Maritime Services (IMS)

SEG – SafeSeaNet Ecosystem GUI



IMS Mobile App

Integrated Maritime Services

2017

INTEGRATED MARITIME DATA ENVIRONMENT

TOTAL NUMBER OF USERS

1000+
USERS IN 2016

1500+
USERS IN 2017

USES AND SERVICES PROVIDED

- Maritime safety and security
- Fisheries control
- Defence
- Customs
- General law enforcement
- Marine environmental protection

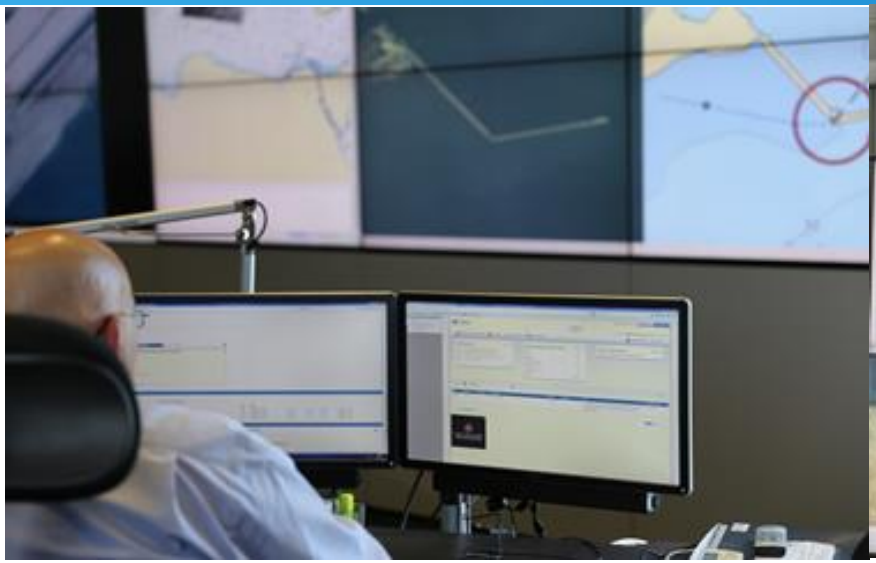
26 MEMBER STATES

4 BODIES INVOLVED

- Frontex
- EU Navfor
- EFCA
- MAOC-N

8 NON-EU COUNTRIES

EMSA Operational tasks
Maritime services and tools



Maritime Support Services (MSS) Centre

- **24/7 facility** located at EMSA headquarters in Lisbon
- **Ensures:**
  - **Availability and performance of the operational tools**
  - **Uninterrupted data flow**
  - **Quality of the data provided**

Maritime Support Services

EMSA Operational tasks – pollution preparedness and response

Pollution Response Services

Network of Stand-by Oil spill recovery vessels

Legal basis

- Regulation 724/2004

Purpose

- To provide technical and scientific assistance in the field of ship sourced pollution
- To support with additional means, in a cost efficient way MSs' pollution response actions

Top-up philosophy

- supporting the existing national structures

Concept

- Vessel carries out normal commercial service
- Request from MS(s) for assistance
- Short notice transformation into oil recovery vessel

Pollution Response Services

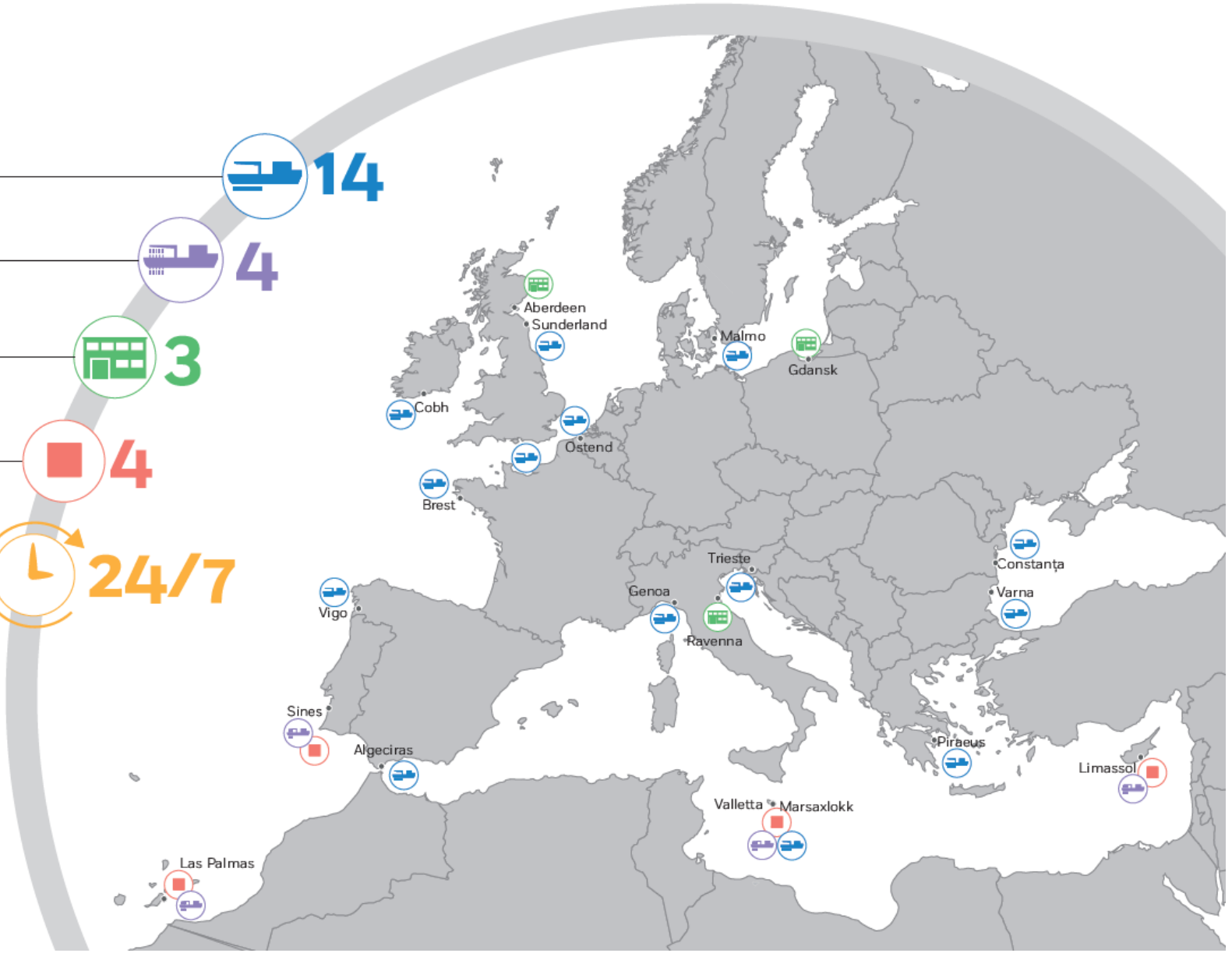
OIL SPILL RESPONSE VESSELS **14**

OIL SPILL RESPONSE VESSELS WITH DISPERSANTS **4**

EQUIPMENT ASSISTANCE SERVICE (EAS) STOCKPILES **3**

DISPERSANT STOCKPILES **4**

SERVICE AVAILABILITY **24/7**



HNS Operational Support

Marine incidents involving HNS

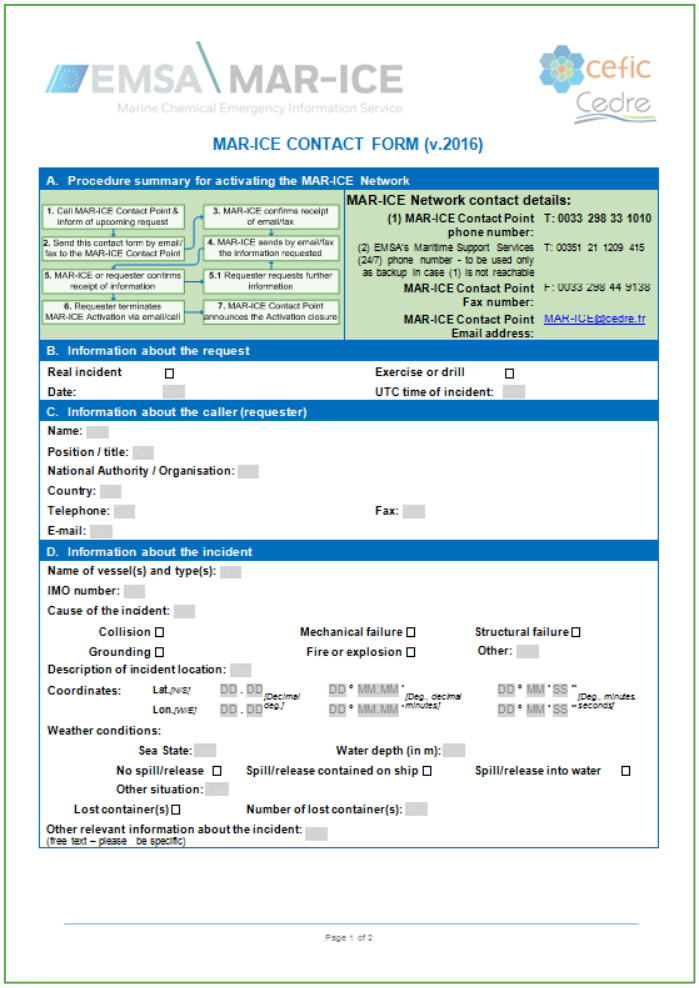
What is the first thing that you are told when an incident involving chemical substances happens?

Why is it so difficult to respond to incidents involving chemicals at sea?

- wide variety of chemicals transported;
- with varying physical and chemical properties;
- Sometimes large quantities of chemicals on board - bulk transport;
- Sometimes hundreds of different (incompatible) substances on board – e.g. packaged goods in Ultra Large Container Vessels;
- different behaviors if released to the environment.

MAR-ICE Network – Service provided

Expert information service on chemical substances



EMSA \ MAR-ICE
Marine Chemical Emergency Information Service

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MAR-ICE CONTACT FORM (v.2016)

A. Procedure summary for activating the MAR-ICE Network

1. Call MAR-ICE Contact Point & inform of upcoming request
2. Send this contact form by email/ fax to the MAR-ICE Contact Point
3. MAR-ICE confirms receipt of email/fax
4. MAR-ICE sends by email/fax the information requested
5. MAR-ICE or requester confirms receipt of information
5.1 Requester requests further information
6. Requester terminates MAR-ICE Activation via email/call
7. MAR-ICE Contact Point announces the Activation closure

MAR-ICE Network contact details:

(1) MAR-ICE Contact Point phone number: T: 0033 298 33 1010
(2) EMSA's Maritime Support Services (24/7) phone number - to be used only as backup in case (1) is not reachable: T: 00351 21 1209 415
MAR-ICE Contact Point Fax number: F: 0033 298 44 9138
MAR-ICE Contact Point Email address: MAR-ICE@cedre.fr

B. Information about the request

Real incident ☐ Exercise or drill ☐
Date: UTC time of incident:

C. Information about the caller (requester)

Name:
Position / title:
National Authority / Organisation:
Country:
Telephone: Fax:
E-mail:

D. Information about the incident

Name of vessel(s) and type(s):
IMO number:
Cause of the incident:
Collision ☐ Mechanical failure ☐ Structural failure ☐
Grounding ☐ Fire or explosion ☐ Other:
Description of incident location:
Coordinates: Lat,(N/S) DD . DD [Decimal deg.] DD ° MM.MM ' [Deg., decimal minutes] DD ° MM ' SS " [Deg., minutes, seconds]
Lon,(W/E) DD . DD DD ° MM.MM ' DD ° MM ' SS
Weather conditions:
Sea State: Water depth (in m):
No spill/release ☐ Spill/release contained on ship ☐ Spill/release into water ☐
Other situation:
Lost container(s) ☐ Number of lost container(s):
Other relevant information about the incident: (free text – please be specific)

Page 1 of 2

- **How does it work:**

  Contact single entry point, via phone, fax or email;

  Availability 24/7;

  Remote assistance;

  Free of charge to requester.

- **Requesting parties:**

  28 EU States;

  Coastal EFTA/EEA;

  EU Candidate Countries.

MAR-ICE Network – Service provided

How to activate:

- Contact MAR-ICE Contact Point (phone, email, fax);
- Complete and send (preferably) the contact form;

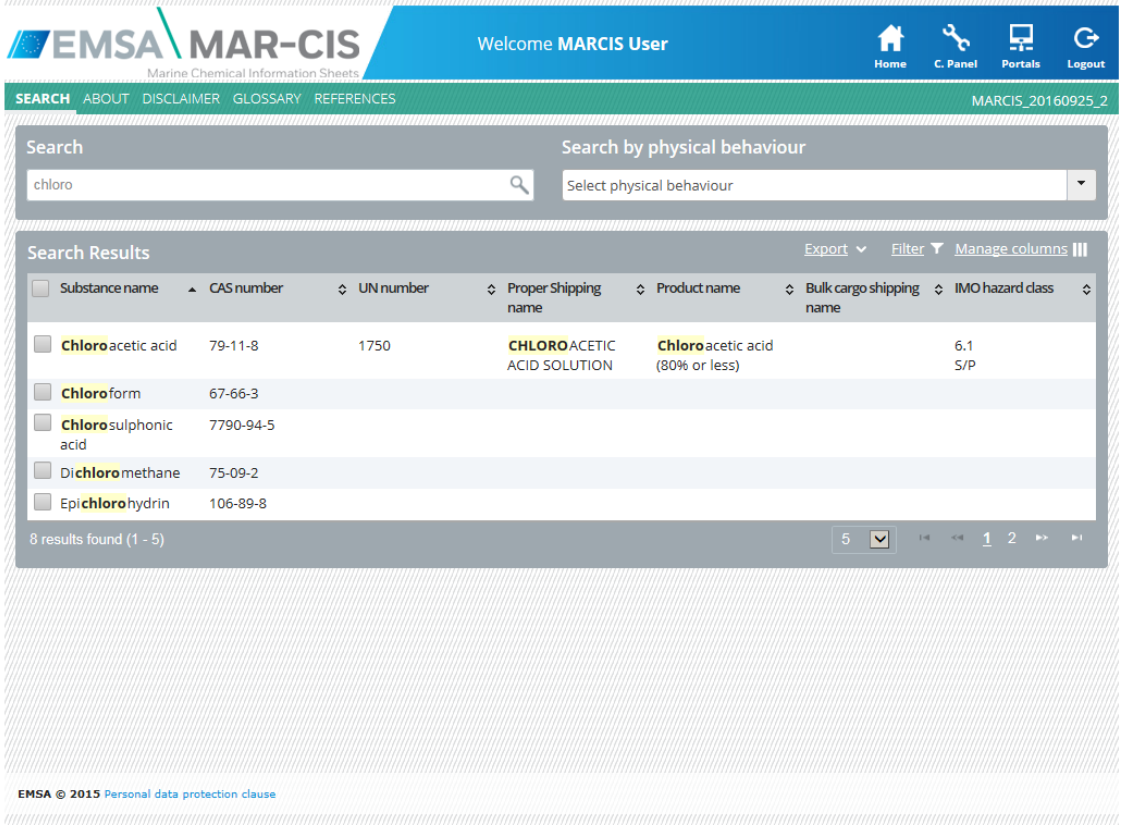
The requester will receive remote HNS product & incident specific information, documents & advice.

- within one hour:
  - Safety Data Sheets and/or MAR-CIS datasheets;
  - Relevant data from international codes and regulations.
- Later on additional information on product properties. MAR-ICE Contact Point will contact a knowledgeable chemical company if needed.
- On a case-by-case basis, the service provides Risk Assessment for responders and the environment; Drift and Weathering modelling results; Advice on response methods and options; for containers, assessment on the behaviour of containers lost at sea.

MAR-CIS Marine Chemical Information Sheets

- MAR-CIS datasheets provide **maritime relevant** information for the **initial** stage of **chemical** incidents.

- There are **217** datasheets, covering **critical** information needed for **emergency** response at sea:
  - Substance identification;
  - Shipping information;
  - Hazards and risks;
  - Emergency measures;
  - Advice on response;
  - Personal Protective Equipment;
  - etc.

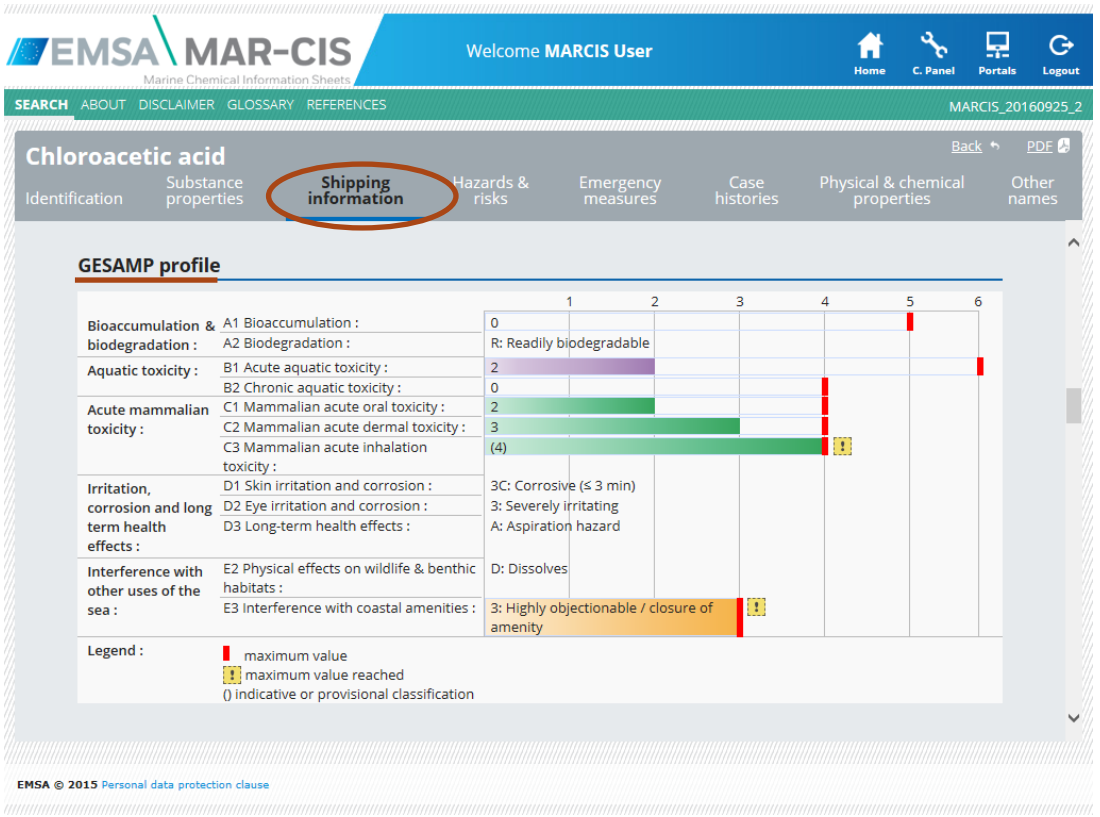


MAR-CIS Marine Chemical Information Sheets

- The MAR-CIS information is available via a Web portal to authorized users.
- An application for mobile devices is available for offline use; e.g. at the incident site.
- The MAR-CIS datasheet are linked to the SafeSeaNet's: Central HazMat database (CHD).

Download on the App Store

GET IT ON Google Play



MAR-CIS Marine Chemical Information Sheets

The users have access to MAR-CIS web portal through EMSA's Maritime applications portal.

Thank you for your attention! Any questions?

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EMSA

European Maritime Safety Agency