

Training for users of Dept. C Operational Services

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Department C: Operations

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■ Which Operational Services?

- Maritime information services
- Pollution Preparedness and Response services

■ For: Users of the services from EU and EFTA States (some EU MS OCT's), 3rd countries, EU Agencies and other organisations

■ Approach? Hands-on training with an operational focus

■ Where? at EMSA, nationally at MS training facilities

■ Format? Classroom, on-site, e-Learning, webinars

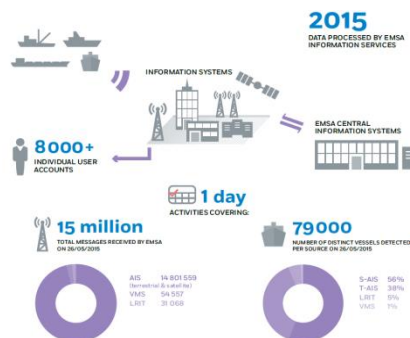
■ 2017 training overview, 2018 training actions , 2019 outlook



EMSA's Tasks

- providing **operational assistance**, including developing, managing and maintaining **maritime services** related to ships, ships' monitoring and enforcement
- carrying out **operational preparedness, detection and response** tasks with respect to **pollution** caused by ships and marine pollution by oil and gas installations

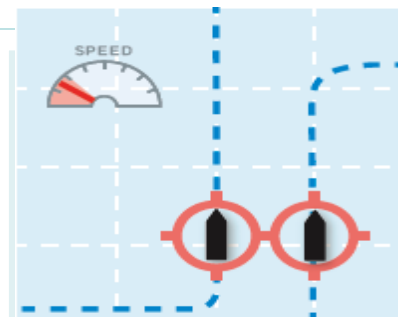
Training on Operational Services



Vessel Reporting Services (SSN)



Vessel Tracking Globally (LRIT)



Integrated Maritime Services (IMS) & ABM's



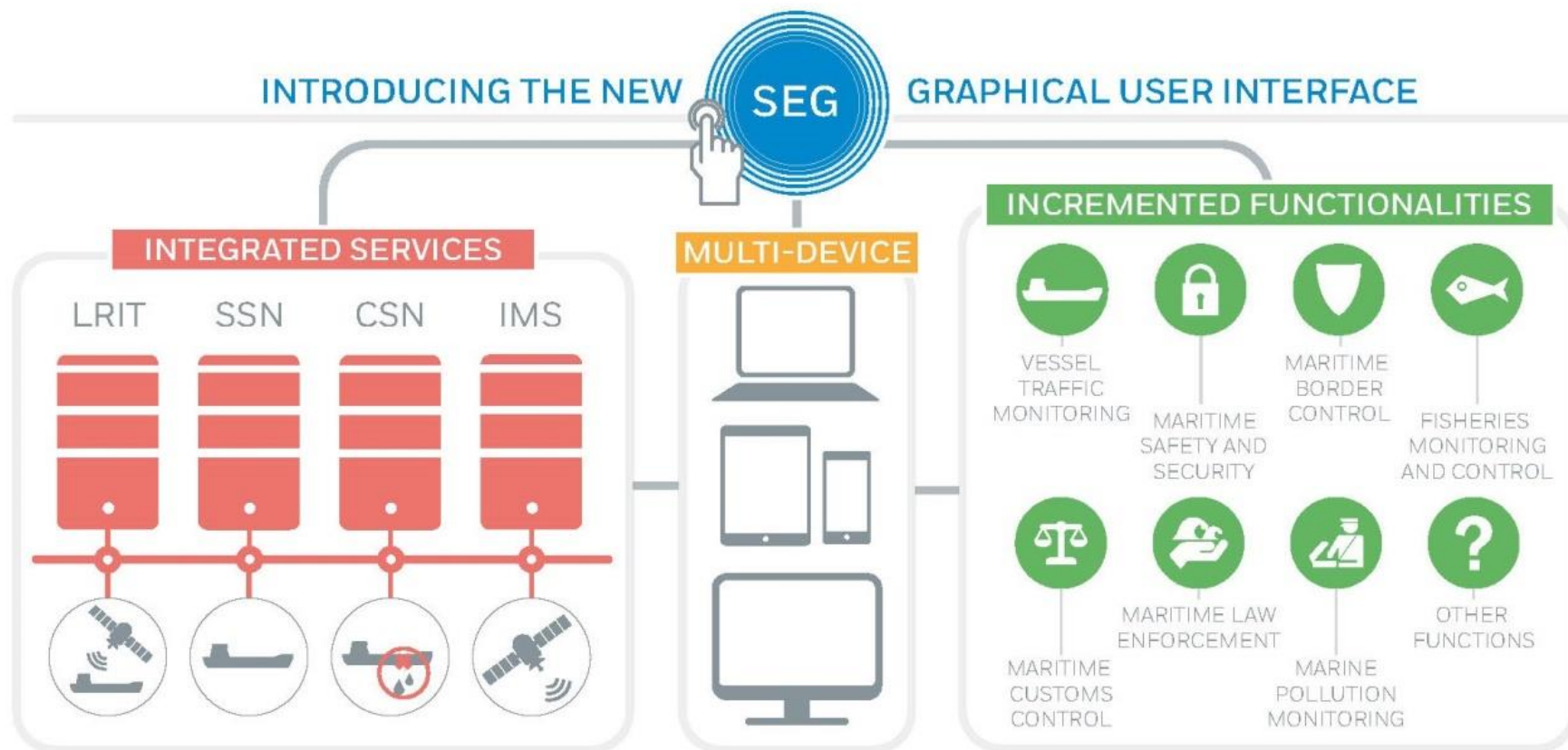
**EO Services
CSN/Copernicus**



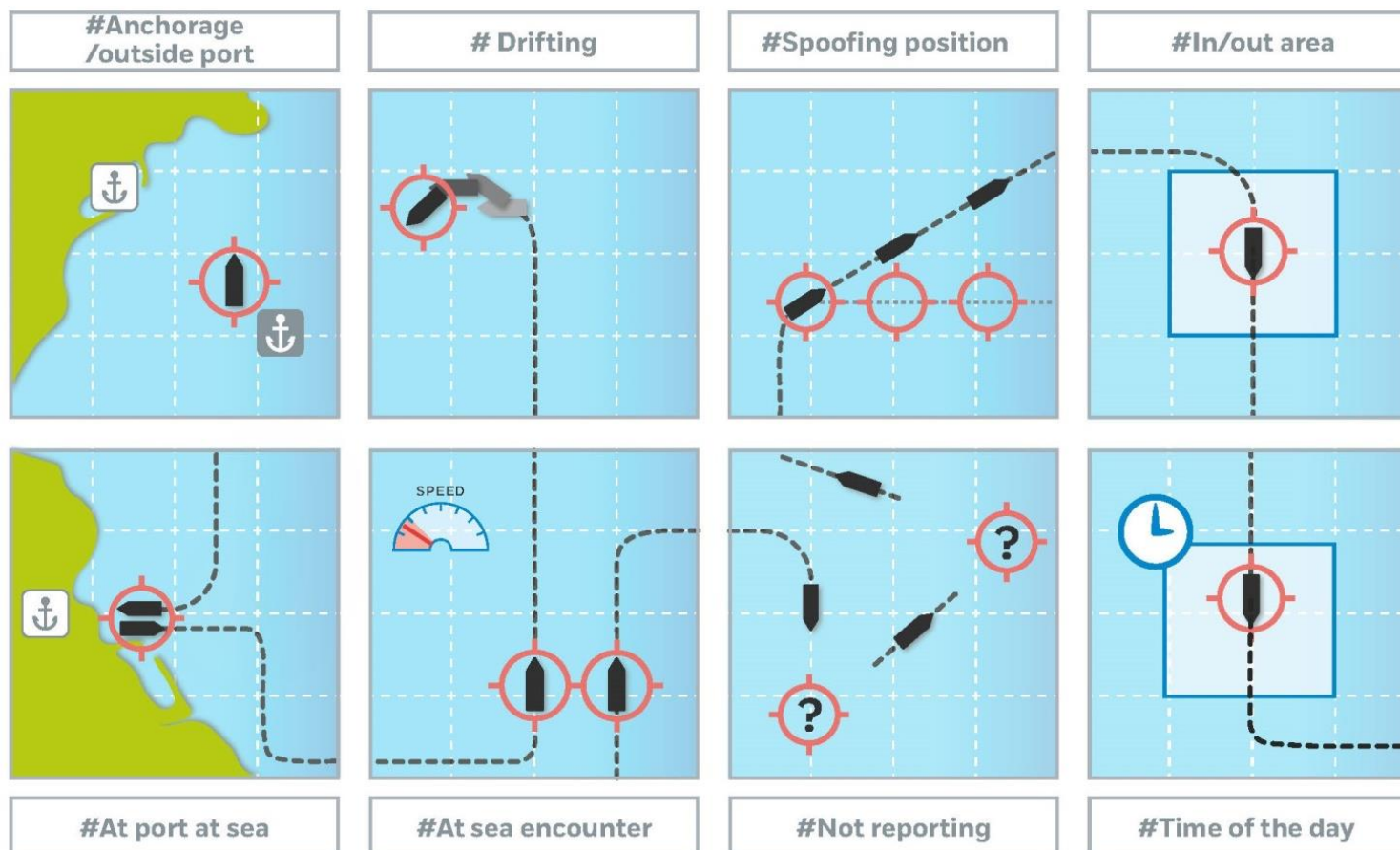
RPAS Services



Pollution Response Services



AUTOMATIC DETECTION AND ALERT TRIGGERING OF SHIP BEHAVIOUR



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

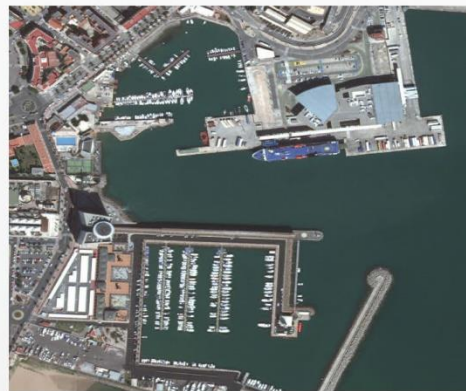
8

NON-EU
COUNTRIES

VESSEL DETECTION

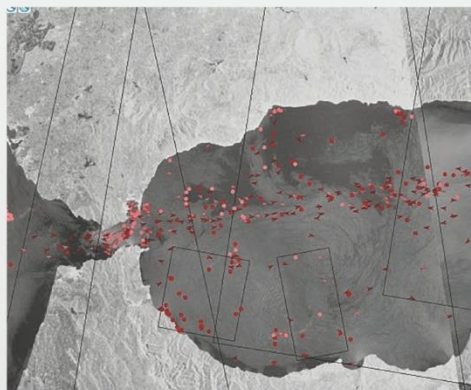


Vessel detection © WorldView-3, European Space Imaging / Digital Globe (2015)

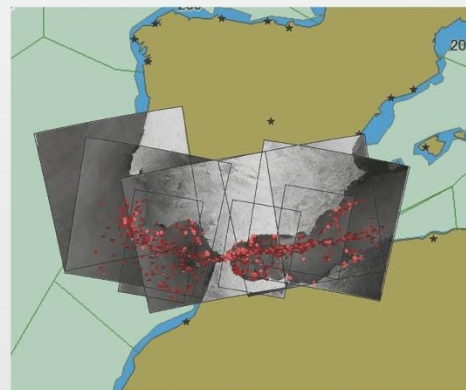


Vessel detection © European Space Imaging / Digital Globe (2016)

CORRELATION WITH VESSEL REPORTING INFORMATION

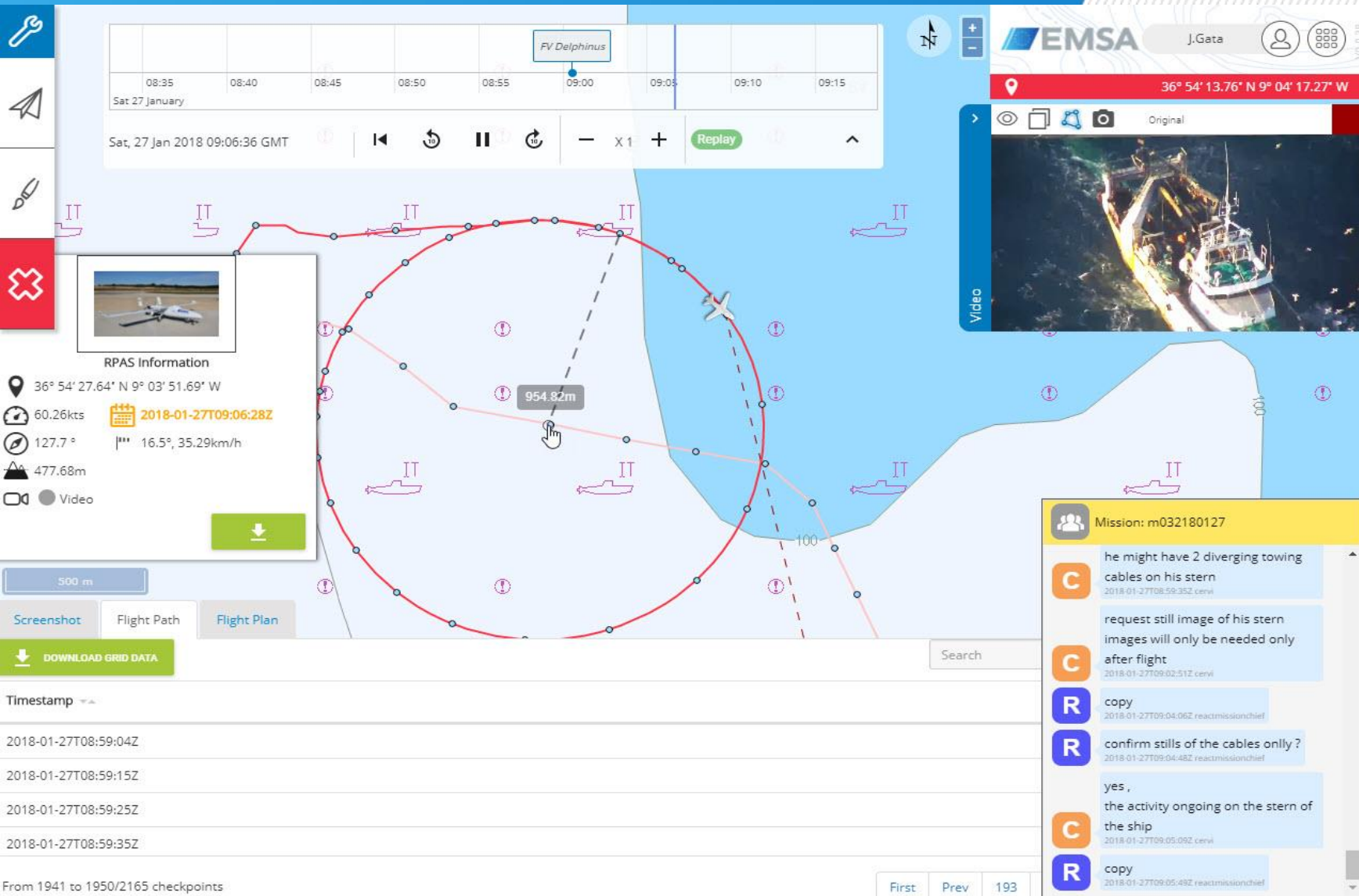


Correlation with vessel reporting information
© EMSA



Fusion products © EMSA

Remotely Piloted Aircraft Systems (RPAS)



■ Participant profiles

- ❑ Designated by MS National Competent Authorities (NCA) or Points of Contact (PoC) for the services
- ❑ Maritime administrations, marine pollution response authorities, VTS Centers, MRCC's, Coastguard, Navy, Customs authorities
- ❑ Representatives from EU Agencies and other bodies: EFCA
- European Fisheries Control Agency ,Frontex - European Border Control Agency, DG OLAF (anti-fraud), EU-NAVFOR (anti-piracy), MAOC-N (anti-narcotics trafficking)



2017

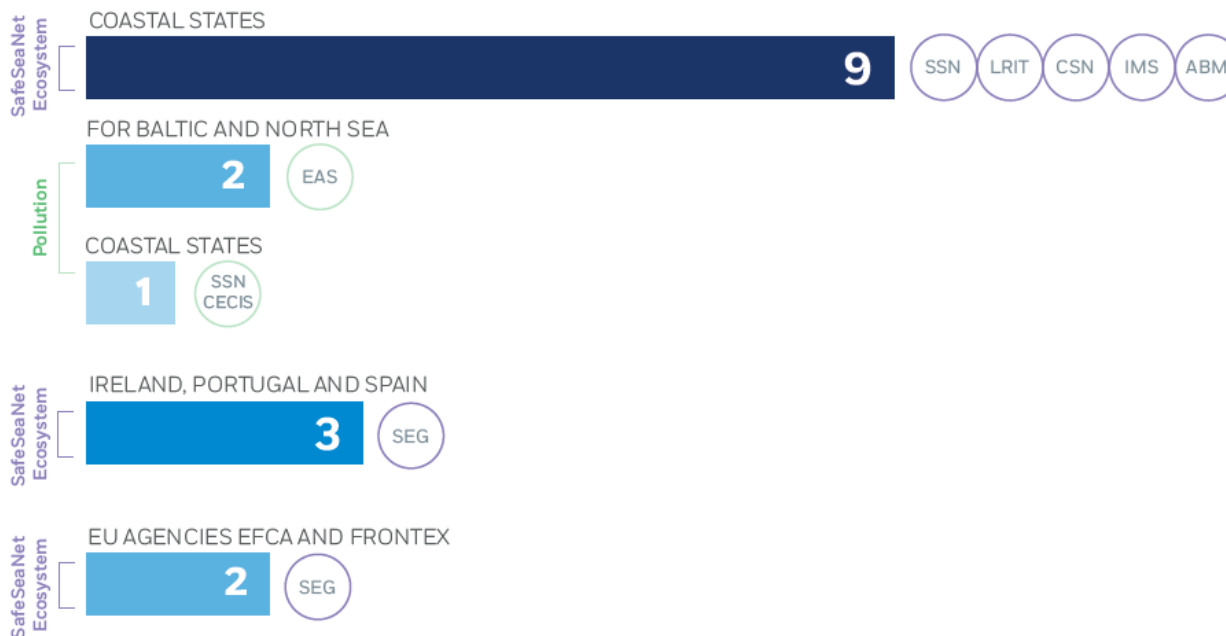
TRAINING ON OPERATIONAL SERVICES



17
SESSIONS



263
PARTICIPANTS



Date	Training course	Location
14.03.2017	Joint SafeSeaNet – CECIS Training for Marine Pollution Response Authorities	EMSA
12.05.2017	Introduction to the SafeSeaNet Ecosystem Graphical (SEG) User Interface for European Fisheries Control Agency User Group (Member States)	EMSA
16.05.2017	Introduction to the SEG for SSN/LRIT/IMS NCA's and PoC.	EMSA
19.05.2017	Introduction to the SEG for SSN/LRIT/IMS NCA's and PoC.	EMSA
30.05.2017	Introduction to the SEG for European Border Control Agency-FRONTEx	Warsaw
06-08.06.2017	Equipment Assistance Service practical training for equipment operators	Gdansk
21-22.06.2017	Train-the-Trainer on the SEG for SSN/LRIT/IMS operators	EMSA
27-28.06.2017	Train-the-Trainer on the SEG for SSN/LRIT/IMS operators	EMSA
20-22.06.2017	Equipment Assistance Service practical training for equipment operators	Aberdeen
3-14.09.2017	Copernicus training for Copernicus User group (Member States) (x2)	EMSA
19-20-21.09.2017	Train-the-Trainer on the SEG for CSN operators (x2)	EMSA
25-26-27.09.2017	Train-the-Trainer on the SEG for CSN operators (x2)	EMSA
26.09.2017	Training on the SEG for Spanish National Authorities (SSN)	Madrid
11-12.10.2017	Training on the SEG for Irish National Authorities (IMS and Copernicus)	Dublin

■ Focus on the new common graphical interface

- ❑ CSN for SAFEMED IV , Black Sea & Caspian Sea projects
- ❑ Training sessions on the SEG for SSN/LRIT, CSN and IMS
- ❑ National training sessions on IMS in Denmark, Croatia & Romania
- ❑ Training for EU Agencies
- ❑ Training for ABM Administrators

■ Copernicus Maritime Surveillance Service

■ RPAS Data Centre, in preparation for operations.

Ministry of Sea,
Transport and
Infrastructure,
Zagreb,
March 2018



Romanian
Naval
Authority,
Constanta,
April 2018



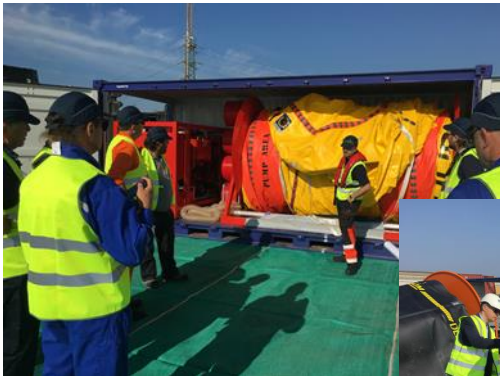
Pollution Preparedness and Response Training in 2018

- Training courses on marine pollution preparedness & response services & topics of interest were conducted as planned in 2018 in agreement with the CTG MPPR (*under the CTG MPPR framework /rolling work programme*)
- **6th Training course on “The use of surveillance systems for Marine Pollution Detection & Assessment”, held on 14-17 May in Lisbon**
 - * Field Visit to PT Airforce in Montijo – view of equipment
- **1st training course on “Oil spill sampling”, held on 19-20 September in Jovellanos Training Centre in Spain**
 - * Actual sampling of oil in Jovellanos facilities & on-board SASEMAR vessel



Pollution Preparedness and Response Training in 2018

- Training sessions organised at the EAS stockpiles in Gdansk (June), Aberdeen (June) and Ravenna (September);
- Target audience: MS equipment operators, team leaders, OPR trainers;
- 3 days practical training with selected equipment sets;
- 25 participants overall



Training in 2018

Date	Training course	Location
23-24.01.2018	Training seminar on IMS, Copernicus and SEG	Copenhagen
19-20.02.2018	Training on CSN for SAFEMED IV and Black & Caspian Sea countries	EMSA
07-08.03.2018	Train-the-Trainer on the SEG for MS SSN/LRIT/IMS users	EMSA
14-15.03.2018	Train-the-Trainer on the SEG for MS SSN/LRIT/IMS users	EMSA
20-22.03.2018	IMS & Copernicus training for Croatia	Zagreb
18-19.04.2018	IMS & Copernicus training for Romania	Constanta
15-17.05.2018	6th Training on 'Use of surveillance systems for marine pollution detection and assessment' for MS	Lisbon
04-08.06.2018	Equipment Assistance Service practical training for equipment operators	Aberdeen
11-15.06.2018	Equipment Assistance Service practical training for equipment operators	Aberdeen
04-05.09.2018	CleanSeaNet training on the SEG for MS	EMSA
06-07.09.2018	CleanSeaNet training on the SEG for MS	EMSA
11-12.09.2018	CleanSeaNet training on the SEG for MS	EMSA
13-14.09.2018	CleanSeaNet training on the SEG for MS	EMSA
10-15.09.2018	Equipment Assistance Service practical training for equipment operators	Ravenna
19-20.09.2018	1st training on "Oil Spill Sampling" (under the CTG MPPR work)	Jovellanos
19-20.09.2018	Copernicus Maritime Surveillance Service Basic Training for MS	EMSA
25-26.09.2018	Copernicus Maritime Surveillance Service Basic Training for MS	EMSA
05.12.2018	Automated Behaviour Monitoring workshop #4	EMSA

- SEG webinars on-going (> 30 webinars on SEG in 2018)
- More webinars will be planned in late 2018 (user management)
- Training videos
- 5 e-learning modules in MaKCs
 - EMSA's Public Key Infrastructure and issuing of digital certificates
 - Equipment Assistance Service
 - Reporting HAZMAT in SSN using the Central HAZMAT Database
 - EMSA's Surveillance Services for FRONTEX and EUROSUR
 - SafeSeaNet & CECIS (Common Emergency Communication & Information System): EU systems for co-ordination of international assistance in maritime incidents and accidents (**available end 2018**)

- Training courses on SSN/LRIT, IMS, CSN, Copernicus Maritime Surveillance and RPAS Data Centre are planned in agreement with the Member State National Competent Authorities (NCA's) or Point of Contact (PoC) for each system or with the relevant stakeholder representative from Agencies or other organisations (**2019 dates tbc**).

Training tentatively planned for 2019 (dates tbc):

- Training for MS on SEG for SSN/LRIT users at EMSA March 2019.
- Training at MS premises, upon request.
- Training for EU Agencies and other organisations, upon request.

- Training courses on marine pollution preparedness & response services & topics of interest are planned in regular intervals, with the CTG and PRS group. Next surveillance and oil spill sampling trainings would be held in 2020 (not in 2019).

Training tentatively planned for 2019 (dates tbc):

- Training on EMSA's Dispersant Usage Evaluation Tool (DUET)
- Training on incident reporting in SafeSeaNet-CECIS
- Hands-on training for equipment operators in the EAS stockpile





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