

EMSA's Stand-by Oil Spill Response Vessels Network

SAFEMED III SEMINAR

13-14 MAY 2014, LISBON

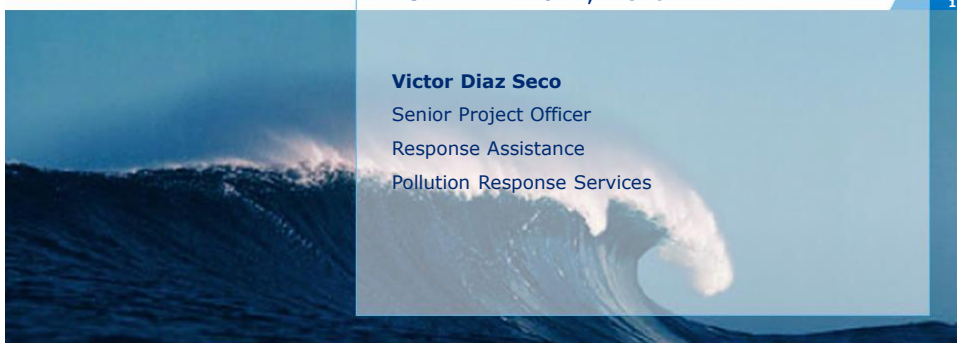
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Victor Diaz Seco

Senior Project Officer

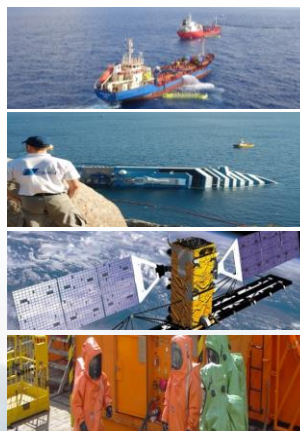
Response Assistance

Pollution Response Services



EMSA Pollution Response Services

- Network of Stand-by Oil Spill Response Vessels
- Experts: On-site/Office-based
- CleanSeaNet and Illegal discharges
- HNS Operational Support: MAR-ICE Network



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2014-15, Dispersant application capability: Aerial & Maritime

EMSA's Pollution Response Services

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**2014-15, New Dispersant application capability:
Aerial & Seaborne**

Framework of the Network of Stand-by Oil Spill Response Vessels

- 'European Tier' of resources – 'reserve for disasters' to support MS' s in case of ***pollution caused by ships as well as by oil and gas installations*** (Revised EMSA founding Regulation (EU) No 100/2013)
- Mobilisation by EMSA at the request of MS, EEA/EFTA States, Candidate States or European Commission
- EMSA may provide assistance to ***third countries sharing a regional sea basin with the Union*** (Revised EMSA founding Regulation (EU) No 100/2013)
- Always request channelled through the 'EU Mechanism for Civil Protection' – Emergency Response Coordination Centre (ERCC) at DG ECHO
- EMSA resources under operational control of the affected State

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Network of Stand-by Oil Spill Response Vessels: Challenges

- Procurement Procedure
- Large geographical areas
- Short mobilisation time period
- Commercial arrangements
- Technical aspects



Network of Stand-by Oil Spill Response Vessels: Two Contracts System

1. **Vessel Availability Contract**
between EMSA and the
Company
2. **Incident Response Contract**
between requesting Member
State and the Company



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Two Contracts System - Activities

1. Contractor preparedness: **"Vessel Availability"** Contract

- Preparatory Phase:
Pre-fitting + Equipment purchase + Installation
- Stand-by Phase:
Economic activity + Drills/Exercises + Response

Duration: 4 years renewable once for another 4-year period

2. Pollution Response: **"Incident Response"** Contract

- Signed by Member State and Contractor
- Pre-agreed tariffs and conditions for vessel use:
 - ✓ fixed rate to cover daily operational costs
 - ✓ fuel paid separately

Duration: 21 days renewable

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Response Assistance



Binding agreement State – company

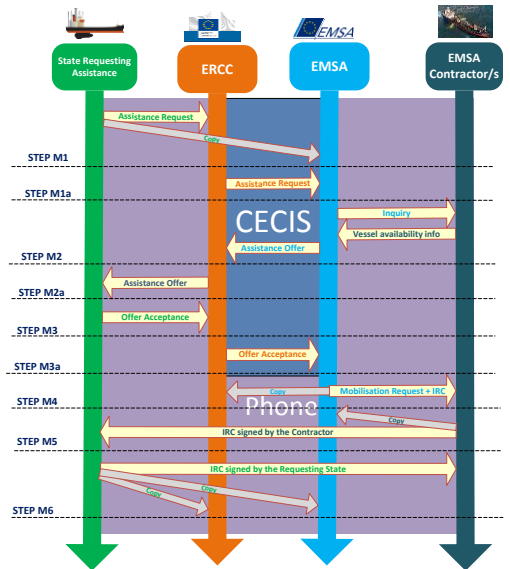
Pre-fixed contract with pre-set conditions & tariffs:

- Workable contract, government and a commercial party
- Limit administrative delays
- Avoid unnecessary high tariffs vs. vessel of opportunity
- **1 Model Contract for 20+ different legal systems**



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STEP-BY-STEP PROCEDURE ON MOBILISATION OF EMSA CONTRACTED VESSEL(S) BY EMAIL/FAX



⚠ Note: All actions required by the requesting State are displayed in green

⚠ The mobilisation of the EMSA vessel(s) is considered completed when the IRC form is filled in and signed by **BOTH PARTIES** - EMSA Contractor and requesting State. From the IRC signature, the vessel is normally ready to sail fully equipped from the home port within 24 hours.

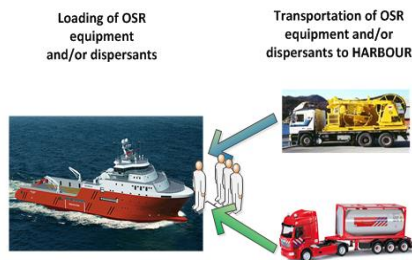


MS to select the options

Integrated Pollution Response Services

Mobilisation steps

SEABORNE SERVICE



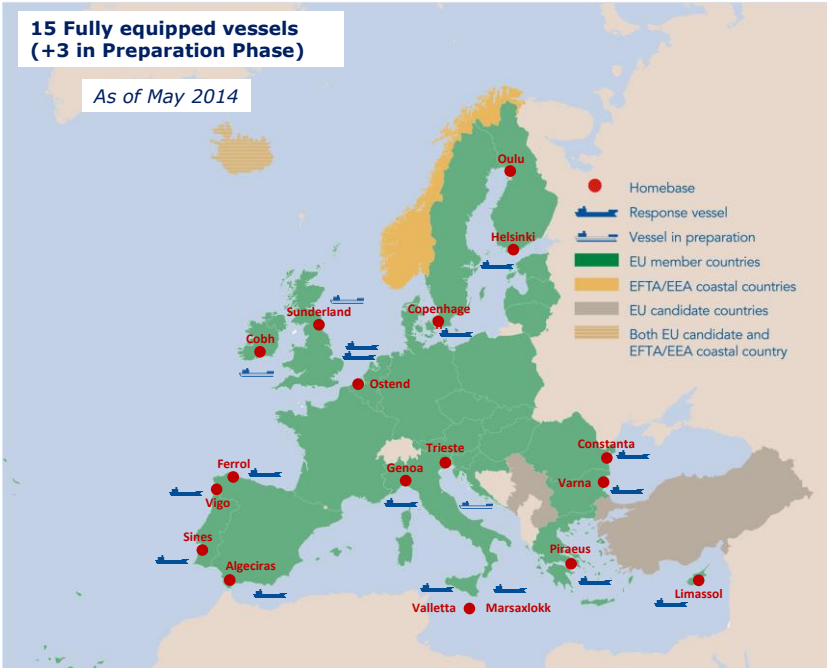
AIRBORNE SERVICE

From 2015



Storage of OSR equipment and dispersants





European Maritime Safety Agency

Tankers



Icebreaker



Type of vessels

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Supply vessels



Dredgers



EMSA Network in the Mediterranean Sea

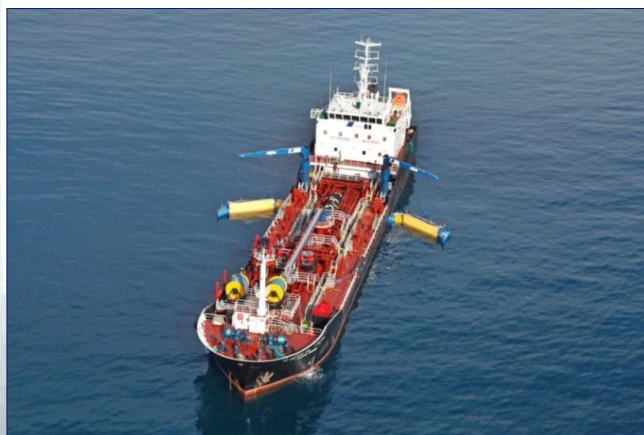
Name	Type	Area of Economic Operation & Equipment Depot	Tank Capacity (m³)	Class Notation Flashpoint
Monte Anaga	Oil Tanker	Mediterranean West Algeiras, Spain	4096	FP > 60° C
Brezzamare	Oil/Chemical Tanker	Mediterranean West Genoa, Italy	3348	FP < 60° C
Balluta Bay	Oil Tanker	Mediterranean Central Valletta, Malta	2800	FP < 60° C
Santa Maria	Oil Tanker	Mediterranean Central Marsaxlokk, Malta	2421	FP < 60° C
Marisa N (in preparation phase)	Oil Tanker	Adriatic Sea Trieste, Italy	1562	FP < 60° C
Aktea OSRV	Oil Tanker	Mediterranean East (Aegean Sea) Piraeus, Greece	3000	FP < 60° C
Alexandria	Oil Tanker	Mediterranean East Limassol, Cyprus	7458	FP < 60° C

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Net storage capacity in the Mediterranean mid 2014: 24,500 m3

Monte Anaga

Contractor: Naviera Altube



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Brezzamare

Contractor: Ciane Novella



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Balluta Bay

Contractor: Tankship
Management



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Santa Maria

Contractor: Falzon Group Holdings



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Aktea OSRV

Contractor:
Environmental
Protection Engineering
(EPE)



Aegis I (back-up of Aktea)

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Alexandria

Contractor: Petronav Ship Management



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Standard Oil Spill Response Equipment set

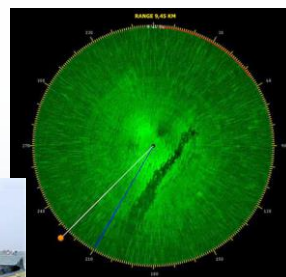
2 standard oil recovery systems on board:

1) sweeping arm 2) ocean going boom and skimmer



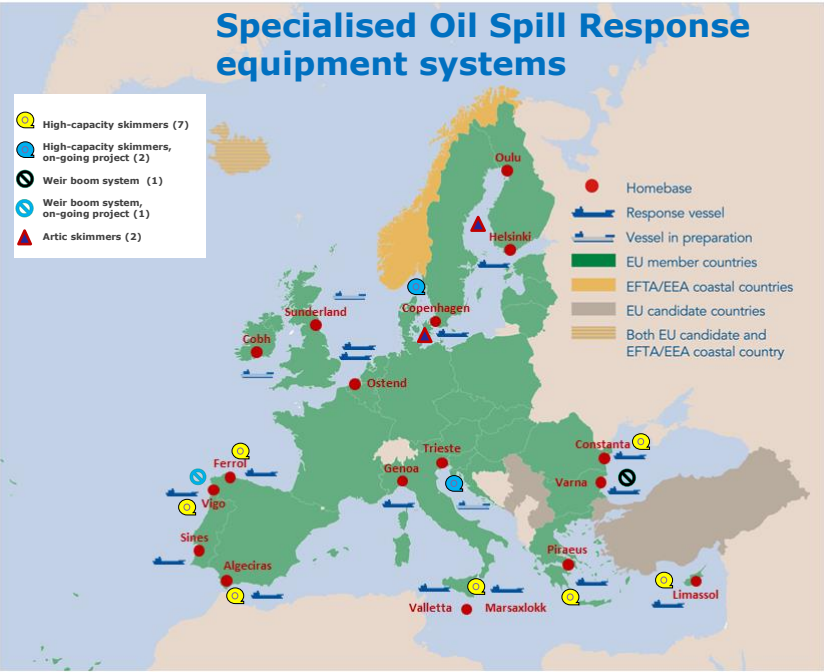
sweeping arm

ocean going
boom
+
skimmer



Oil slick
detection system

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European Maritime Safety Agency



Specialised Oil Spill Response equipment

High-capacity Skimmers



Action Plan for Response to marine pollution from oil and gas installations

- Adopted in November 2013 by EMSA's Admin Board
- Complement the 2 previous Action Plans (Oil Action Plan and HNS Action Plan)

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Operational assistance

In line with 'top-up' mandate and the need for cost efficiency:

- **Adaptation of the Network of Stand-by Oil Spill Response Vessels**
- *Adaptation of the monitoring & evaluation tools (CleanSeaNet)*
- **Provision of dispersants and application systems**
- **Provision of specialised equipment, budget permitting**

Adaptation of the Network of Stand-by Oil Spill Response Vessels (phasing-in)

- Technical adaptation: Flashpoint below 60° C (for new tenders)
- Contractual adaptation: longer periods of operation (for new tenders and contract renewals), possibility to operate for ENP-countries
- Geographic adaptation: spread over Europe based on tanker routes and location of oil installations, in particular exploratory operations (for new tenders). Preferred option will remain mechanical recovery of oil: represents substantial investment by the Agency

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EMSA Vessels Network Latest developments

Provision of dispersants and application systems

- In certain cases (large well blow-outs) the only response option. Mechanical recovery tools only make toolbox incomplete.
- 2-3 portable vessel dispersant spraying arrangements, to be located in interested Member States as part of oil recovery vessel set-up
- First idea is to equip EMSA's oil recovery vessels based in Cyprus and Malta, requesting permission of those countries for this extension, taking into account their exploratory activities
- To be operational end 2014

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European Maritime Safety Agency

Maintaining the Service: EMSA Drills and Exercises

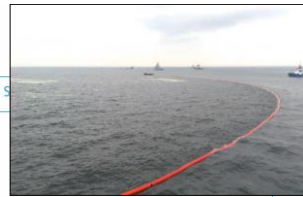
Drills

- Verification of the level of service, between EMSA and the Contractor
- Evaluation by EMSA (*Guidelines*)
- Some technical and operational issues identified: EMSA improvement program

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Exercises

- Type: Notification / Operational
- Test lines for communication
- Integration of EMSA vessels in Command and Control Structures
- Co-operation with participating Units



Vessel Network - Activities 2014

- ✓ 62 Quarterly Drills
- ✓ 9 Acceptance Drills:
 - 6 Vessels, 2 new: *Marisa N*, *Thames Fisher* & 4 re-entry service: *Aktea OSRV*, *Aegis I*, *Forth/Mersey/Galway Fisher*
 - 3 Improvement projects, *High Capacity Skimmer*: *OW Copenhagen*, *Weir Boom*: *Enterprise*, *Ria de Vigo*
- ✓ Seaborne dispersant application projects: Malta and Cyprus
- ✓ 12 Operational Exercises
- ✓ 13 Notification Exercises

Network of Stand-by
Oil Spill Response Vessels:
Drills and Exercises
Annual Report 2012

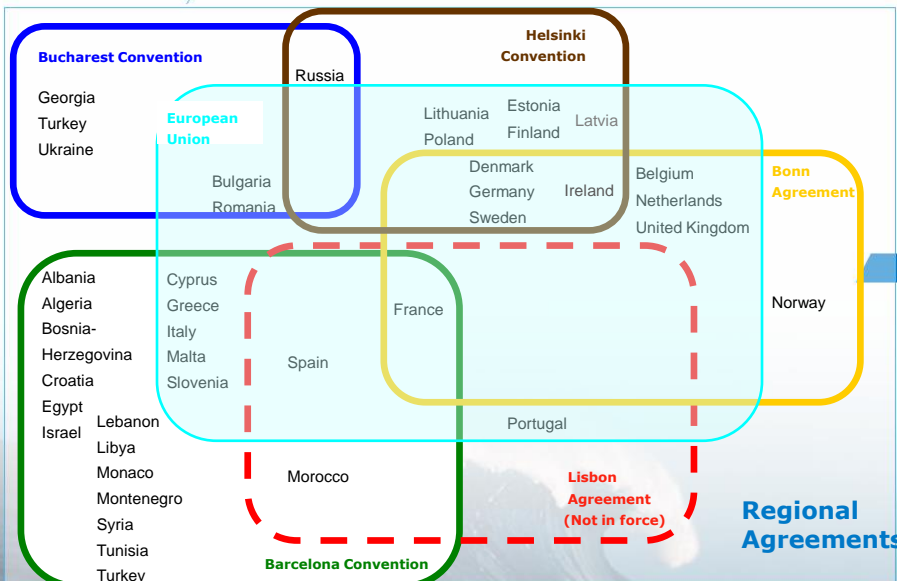
Annual Report 2013

Available on EMSA Website:

<http://emsa.europa.eu/operations/network-of-stand-by-oil-spill-response-vessels/items/id/713.html?cid=121>

2014-16 SAFEMED III Exercises and Technical Co-operation

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Activation of the Network/Assistance provided

- *New Flame*
2007/Spain
- *Fedra*
2008/Gibraltar
- *Deepwater Horizon*
2010/US
- Gibraltar spill
2011/Spain
- *Costa Concordia*
2012/Italy



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Expert support provided by EMSA

- At request of a MS or the Commission
 - Remotely or on site (case-by-case)
- Lebanon oil spill 2006/REMPEC
 - *Hebei Spirit* oil spill 2007/South Korea
 - *New Flame* oil spill 2007/Spain
 - *Fedra* oil spill 2008/Gibraltar
 - Exercises (SAFEMED III)



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Information: 2014 updates

- "Vessel Network - User Guide"
- "Network of Stand-by Oil Spill Response Vessels and Equipment - Handbook"
- FAQs: What marine pollution detection and response services can EMSA provide?



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**Thank you
for your attention**

