

European Maritime Safety Agency

EMSA's Marine Pollution Preparedness & Response and other related services

REMPEC 10th Focal Points Meeting 3-5 May 2011, Malta

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Victor Diaz Seco Senior Project Officer Pollution Preparedness and Response



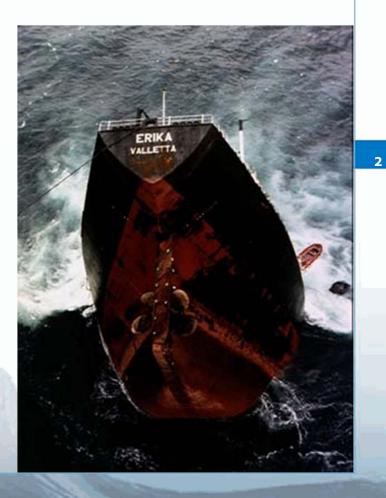
The European Maritime Safety Agency (EMSA)

Background:

- Post *Erika* (2002: EMSA established, started in 2003);
- Post *Prestige* (2004: new Task Marine Pollution Preparedness & Response);
- Multi Annual Funding (2007 – 2013 with an envelope of 154 Million Euro).

Regulatory Agency of the European Community

- Own legal identity;
- Technical and operational support.





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Objectives of EMSA

Within the fields of maritime safety, pollution prevention from ships and ship security, EMSA has the following main objectives:

- To ensure the proper implementation of EU maritime legislation by Member States;
- To foster technical cooperation and development and disseminate best practice;
- To provide technical advice to the Commission and Member States;
- To provide assistance to top-up Member States' capabilities for oil pollution response.



EMSA SOSRV Network was established due to:

Lessons learnt after the *Prestige* and other significant oil spills, such as:

- Reserve for disaster as European Tier to support the EU Member States is needed;
- Providing suitable means in a cost efficient way via public-private partnership;
- The lack of recovery vessels with large storage capacities and the ability to cope with high viscous oils;
- The lack of predefined Incident Response Contracts with pre-agreed tariffs and conditions.



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

- Action Plan 2004 + Subsequent WPs (Admin. Board)
- 'Top-up' Member States pollution response capacities with 14 contracts (1-2 more to come in 2011)
- 'European Tier' of resources 'reserve for disasters'
- Mobilisation by EMSA at request of MS, EEA or Candidate States, or European Commission.
 Assistance to third countries & EU neighbouring countries through the European Commission.
- <u>Always</u> request channelled through/to "EU Mechanism for Civil Protection" - Monitoring and Information Centre (MIC) in DG ECHO
- Under 'operational control' of the affected Member State



EUROPEAN MARITIME SAFETY AGENCY QUALITY SHIPPING, SAFER SEAS, CLEANER OCEANS

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Types of vessels







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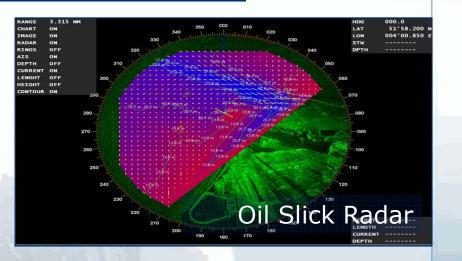
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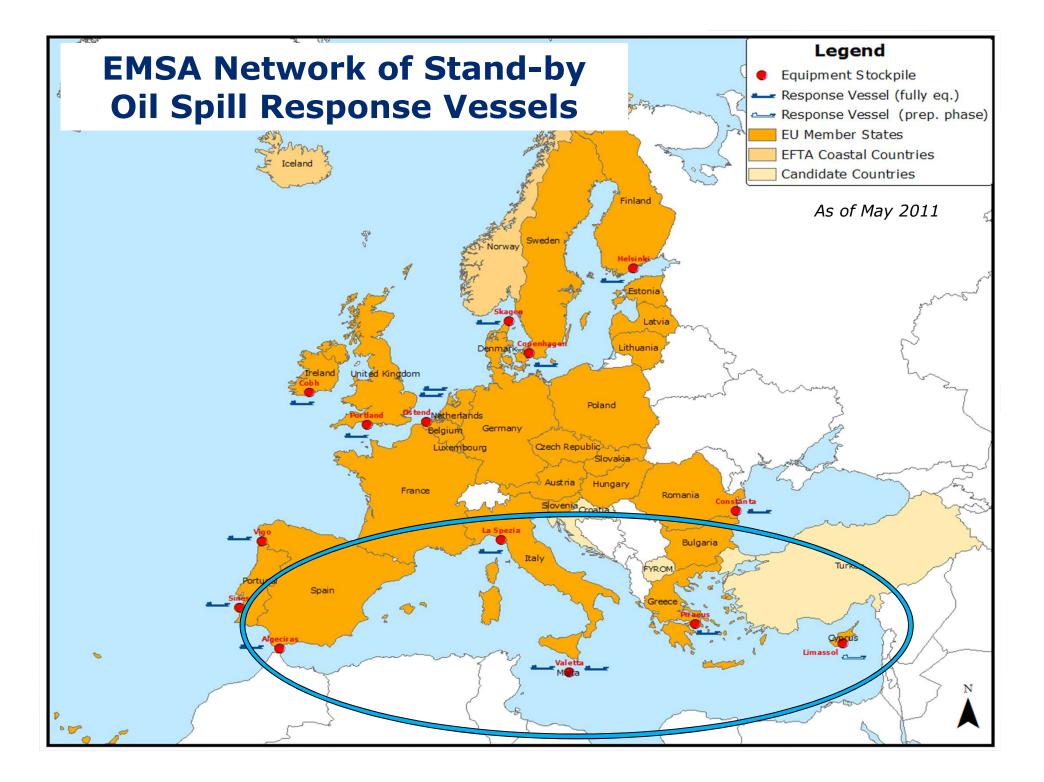




Oil Pollution Response equipment









EMSA Network in the Mediterranean Sea

Name	Туре	Area of Economic Operation and Equipment Depot	Tank Capacity (m³)
Bahia Uno	Product Tanker	Mediterranean West Algeciras, Spain	3800
Salina Bay	Oil Tanker	Mediterranean West La Spezia, Italy	2800
Mistra Bay	Oil Tanker	Mediterranean Central Valletta, Malta	1805
Santa Maria	Oil Tanker	Mediterranean Central Valletta, Malta	2421
Aktea OSRV	Oil Tanker	Mediterranean East Piraeus, Greece	3000
Aegis*	Supply Vessel		950
Alexandria**	Oil Tanker	Mediterranean East Limassol, Cyprus	7458

Note:

- * Aegis is a back-up vessel equipped with boom and skimmer systems.
- ****** Alexandria is expected to enter into the Stand-by phase of the Contract in mid 2011.

Once the vessel Alexandria enters into operation the combined net storage capacity for the Mediterranean Sea will reach 22,000 m3















<u>Alexandria</u>*

Contractor: Petronav Ship Management



* Alexandria is expected to enter into Stand-by phase of the Contract in mid 2011



Tender round 2011: Reinforcing the Mediterranean, 2 geographical lots





New Contract

Replacement of *Mistra Bay*



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EMSA contracted vessels are fully integrated

In 2010 the vessels carried out:

- 59 quarterly drills and acceptance tests;
- 14 multinational exercises with EU Member States.

In 2011 it is expected that the vessels will conduct:

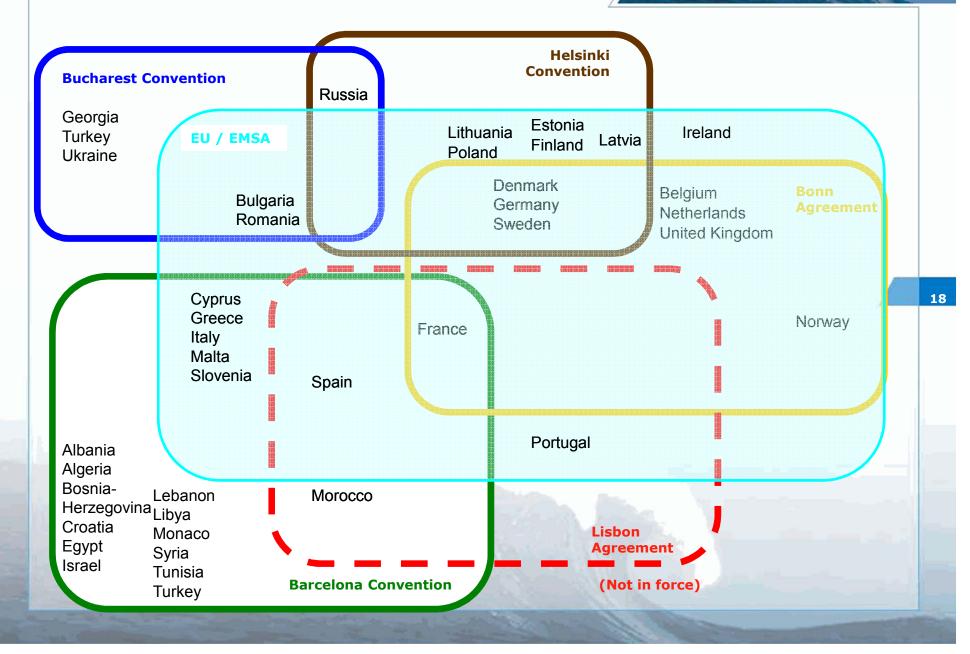
- 62 quarterly drills and acceptance tests;
- 12 multinational exercises with EU Member States.

EMSA Co-operation with MS/RA

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QUALITY SHIPPING, SAFER SEAS, CLEANER OCEANS

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International Exercises with MS/RA







CleanSeaNet Services

EMSA provides support in the case of oil spill emergency upon request of:

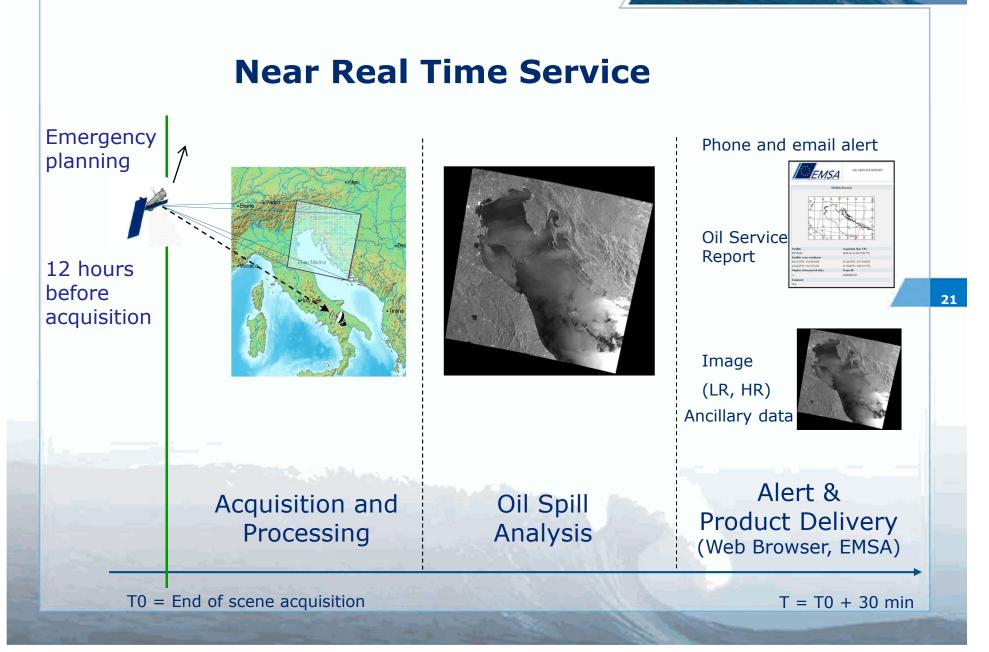
- National Maritime Administrations
- Monitoring and Information Centre (MIC) in DG ECHO Satellite images are provided via:
 - CleanSeaNet emergency ordering
 - International Charter for Space and Major Disasters

In case the Charter is activated by the MIC, EMSA acts as Project Manager co-ordinating the provision of satellite images to National Administrations





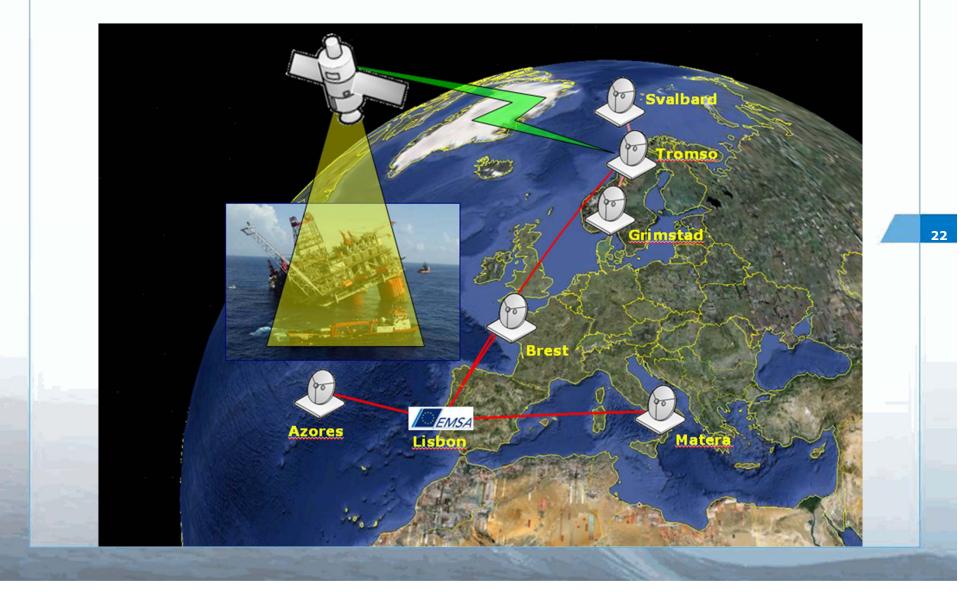
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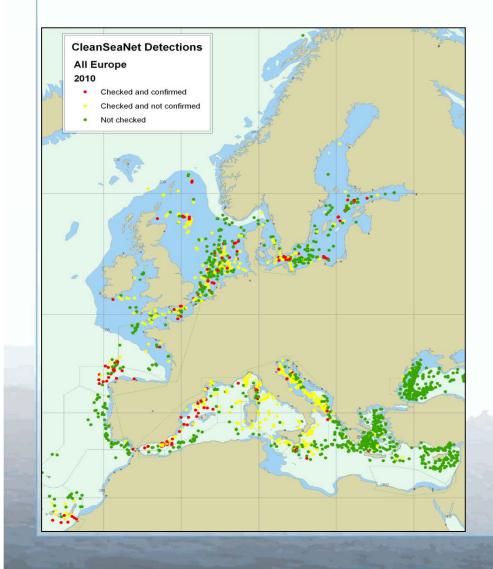
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CleanSeaNet Network





CleanSeaNet deliveries in 2010



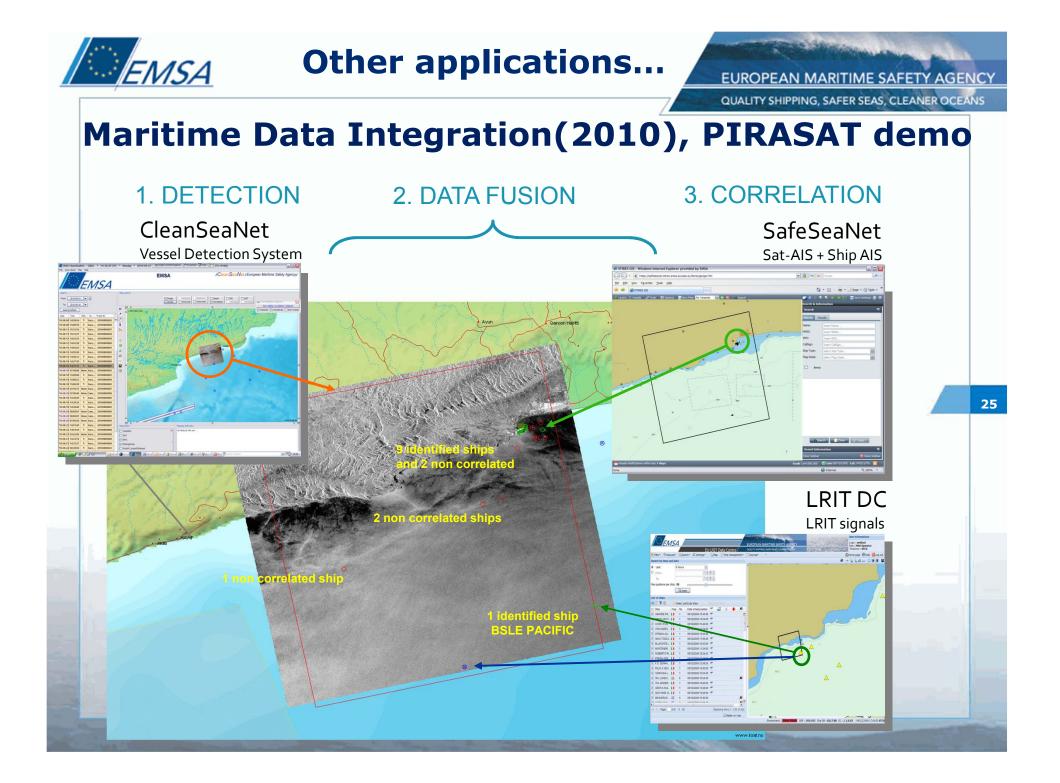
- 2366 images processed and analysed;
- 1686 potential oil spill identified, of which:
 - 129 have been been checked within 3 hours;

- 61 have been confirmed as oil spills;
- the nominal rate of confirmation is 49%



Products delivered by CleanSeaNet 2nd Generation fully operational in 2011

- Satellite images and image metadata such as acquisition date, geographic coordinates, etc...
- Oil spill identification alert report
- Vessel detection information
- Modeling data
 - ✓ Forward modeling (response operations)
 - ✓ Backward modeling (for polluter identification)
- Electronic Nautical Charts
- AIS information via EMSA SafeSeaNet service
- Associated ancillary data:
 - ✓ meteorological wind and wave data
 - ✓ SAR derived wind and swell data
- Other ancillary data from external providers





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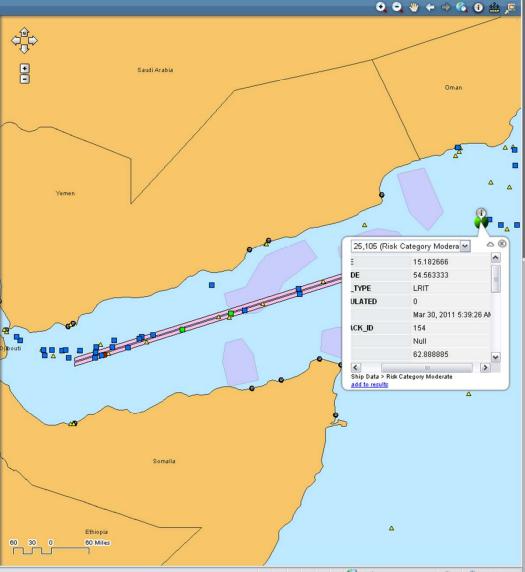
Maritime Data Integration(2011) – MarSurv Service

EU Naval Force - EMSA TEST

✓ Result (1) ☐ ✓ Risk Category Moder	zte (1)	¢1 [°] ¢	
E 25105		•	Saudi Arabia
OBJECTID	25,105	•	
LATITUDE	15.182666		
LONGITUDE	54.563333		
SOURCE_TYPE	LRIT		
IS_CALCULATED	0	\sim	/
TIME	Mar 30, 2011 5:39:26 AM		
DFM_TRACK_ID	154		<u> </u>
SHIP_ID	Null		
HEADING	62.888885		
IMO	8,913,980	Yemen	
NAME	ERISOS		V
SHIP_FLAG	PA		
CALL_SIGN	Null		
MMSI	356,698,000		
SPEED	11.184823		
DATA_PROVIDER	PAN		
SHAPE	Point	1	
RISK_LEVEL	MODERATE	1	
SECURITY_MEASUR	Locked Doors,External Communication Plan,Unarmed Security,Citadel,Outboards Ladders ES Stowed,Group,Crew Drills Completed,Firehoses Rigged,Extra Lookouts,Crew Briefing,Razor		

Map Contents

- 🗉 🗹 Ship Data
- 1 Last Ship Positions
- Dead Reckoned Positions
- Ship Position (7 days)
- E Ship Track Lines (6 Hours)
- E Additional Data
- Nautical Charts
- 🛨 🔽 Port
- E Security Corridor
- 1 Fishing Zone
- Background Satellite Image
- BackGround Continent
- Nautical Charts
- Haps 1:4000000
- 1:500000
- E Background Continent





Additional Activities of EMSA regarding Marine Pollution Preparedness & Response*

- EMSA's Services (SOSRV's and CleanSeaNet) could also be utilised in case of an Offshore Installation Incident;
- EMSA's Services (SOSRV's and CleanSeaNet) could also be utilised to support ENP countries (States that share a land or sea border with the EU);
- Supporting the European Commission in R&D Issues related to our field of competence.
- * proposed by the European Commission and in discussion with the Council and EP; no final decision available yet.



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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
 - Deepwater Horizon 2010/US

