# A European level of prevention of and Response to Marine pollution.

ADRIATIC 2017 conference

Frédéric HEBERT Head of Unit C1 « Pollution Response Services »/ Department C « Operations »



Split 1October2017

#### EMSA - Purpose and Objectives (Art. 1 of Reg. 1402/2002 as amended)





response to marine pollution from oil and gas installations



## Implementation tasks

- providing technical and scientific assistance to MS and the Commission in development and proper implementation of EU legislation
- monitoring the implementation of EU legislation through visits and inspections

## **Capacity building**

- capacity building and improving cooperation with, and between, MS
- providing technical and operational assistance to non-EU countries around EU sea basins at the request of the Commission



- **1. Port Reception Facilities**
- 2. Air pollution (Sox + Nox)
- 3. Greenhouse gases & MRV
- 4. Ship Recycling Title II
- 5. Ship source pollution prevention
- 6. Insurance of ship-owners for maritime claims
- 7. Ballast Water and invasive species







## **Operational 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



#### -1999: « ERIKA » incident

- -2002: Regulation 1406/2002 establishing an European Maritime Safety Agency
- -2002: « PRESTIGE » incident
- -2004: Regulation amended to cover pollution response operations
- -2010: « DEEP WATER HORIZON » blow out
- -2013: Regulation amended to include pollution response to spill from oil and gas installations
- -2016: Regulation amended to assist in Coast Guard Functions



#### information/ detection





#### Information/ detection: CleanSeaNet

- European Service for Satellite oil pollution detection and monitoring and Satellite vessel detection and monitoring
- Provides indication of possible oil spills and potential polluters
- Linked into national/regional response chain
- Service Results are delivered in Near Real Time (NRT): approx. 30 minutes after image acquisition







#### CleanSeaNet Routine Monitoring of Europe

- > For 2016:
- 3057 Satellite images have been delivered.
- > 641 000 000 km2 have been monitored.
- 3168 possible oil spills have been detected.

#### Crisis management support in case of Emergencies

Request to be addressed through the Maritime Services Support (MSS) 24/7 center at EMSA or through the Emergency Response Coordination Centre (ERCC). of DG ECHO

## Additional support for operations

Ex: Tour D'Horizon operations



#### **CleanSeaNet real case**



© 2014 European Martime Ballyty Agency | CleandeaNet DataCentre



#### **CleanSeaNet real case**





#### CleanSeaNet real case





#### New activity: 8 RPAS contracts provide:

## **EMSA**

#### Heavy lifters with radar for maritime pollution detection







#### Emission monitoring







Maritime surveillance





#### Vertical-take-off-and-landing (VTOL)







#### **Parameters**

- Provide Member Stares with additional means
- Taking into account the Regional Agreements
- > High sea response vs shoreline response
- Ship sourced and oil and gas offshore installations
- Using the union Civil protection mechanism
- In a cost effective way (Multi Annual Funding regulation)

#### **Primarily:**

- -EU Member States and EFTA countries
- -Acceding countries and candidate countries

#### 2013 amendments:

-third countries sharing a regional sea basin with the Union

#### **Administrative Board:**

- Private entities that may cause a pollution but with the agreement of potentially affected States



## Network of oil spill response vessels contracted for a 4 year period renewable once:

- Vessels engaged in commercial operations within a dedicated area, adapted for oil spill response (classification as « occasional oil spill response vessel ») and ready to be mobilized under a maximum of 24H
- Minimum storage, pumping and heating capacity requirements
- All of them equipped for oil recovery with fixed sweeping arms and skimmers, and an alternative set of high sea boom and skimmer (High capacity).
- Some of them (4) equipped for dispersant spraying capacities and with associated dispersant stockpiles.
- Majority adapted to deal with substances with a flashpoint below 60°C



## Oil spill response Vessels and Mechanical recovery equipment











Supported with Oil Slick Detection system

## **Operations: network of oil spill response vessels**









- Crew undergo IMO OPRC training and regular refresher courses
- Mandatory quaterly drills
- Participation in exercises with Member States (10 days/year)
- Regular maintenance and overhauling of equipment
- Once activated, the vessels are under the command and control of the requesting State (if the requesting Party is a private entity its action has to be endorsed by the potentially affected State)
- EMSA supports the yearly availability fee and the cost of equipment; Requesting party choses the equipment configuration needed and pay a daily operational fee plus fuel,port dues and cleaning costs



### Aim: to provide additional equipment to be used by non oil spill response vessels during response operations

- High sea standalone equipment, not frequently found in MS stockpiles
- Accessible through an EMSA contractor
- Fully containerised, ready to depart from the warehouse under 12 hours
- Technical staff able to provide quick handover
- Training programme for Member States 'operators'





- Equipment provided at no cost but:
- Should be returned in full operational condition;
- Mobilisation lumpsum and transport costs to be born by the requesting State
- Requesting State to provide necessary unloading means

**Status**: currently 2 operational EAS, one in the North sea (Aberdeen) and one in the Baltic Sea (Gdansk), a 3rd one for Southern Europe (Ravenna) is in its preparation phase.

#### **Equipment systems**

## **EMSA**



Integrated containment and recovery systems



Fire booms



overview





### MAR ICE: Marine Intervention in Chemical Emergency

#### MARCIS: Marine Chemical information Sheets







## EMSA

#### MAR-ICE CONTACT FORM (v.2016)





- MAR-CIS datasheets provide maritime relevant information for the initial stage of chemical incidents.
- There are 213 datasheets, covering critical information needed for emergency response at sea:
  - Substance identification
  - Shipping information
  - Hazards and risks
  - Emergency measures
  - • • •
- MAR-CIS database was already distributed to MSs MPPR authorities, now accessible through the MARCIS web-portal (EMSA maritime applications web-portal)

### HNS Services: MAR-CIS Marine Chemical

#### **Information Sheets**





\*Physical and chemical properties parameters of the substances may vary depending on the content of impurities. The values given here are only an indication.

#### The purpose of CHD (Central Hazmat Database) is:



EMSA

- -Distinction between subsidiarity and solidarity and
- The « Polluter pays principle »
- Costs born by EMSA/ costs born by RP

- As regards EMSA's assets, a MoU has been discussed with the IOPC Funds and the IG of P&I associations for the hire rate of EMSA's assets, with the technical assistance of ITOPF.



#### **EMSA's website**





#### http://emsa.europa.eu/operations/pollution-response-services.html



#### **THANK YOU**

twitter.com/emsa\_lisbonfacebook.com/emsa.lisbon

