

## **EMSA's pollution preparedness activities – “*Information: HNS, Dispersants, R&D*”**

Pollution Response Workshop for  
Bulgaria & Romania  
February 28th, 2007

Lito Xirotyri  
Project Officer - Pollution Response

## 3 Themes of EMSA Activities

1) Operational assistance ✓

2) Co-operation and Co-ordination ✓

3) Information

- Facilitate the dissemination of best practices & specialized knowledge among Member States
  - EMSA Inventories, Publications, 'Decision Support Tools'
  - EMSA web pages

# **“Information” role of EMSA**

## **Areas of dissemination of knowledge**

- I) Hazardous and Noxious Substances (HNS), other than oil
- II) Oil Spill Dispersants
- III) Oil Pollution Response Capacities and Equipment
- IV) Research and Development (R&D)

# I) Hazardous and Noxious Substances (HNS)

## Background:

- EMSA Oil Action Plan:  
**Initial Focus** → Spills of heavy oil  
**Future Phasing-in** → “Chemical” Spills (HNS)
- HNS is a current issue, addressed at regional & international level (\*OPRC-HNS Protocol enters into force in June 2007)
- Preparedness and response to HNS spills is much more challenging and diverse than with oil

## EMSA's actions regarding HNS

- 1) EMSA's initial actions were preparatory
  - EMSA 1<sup>st</sup> HNS Workshop: "*Ship-sourced Chemical Pollution at Sea: Risk, Preparedness & Response in Europe*"
  - Review of HNS related studies, reports, manuals
  - Initial review of statistical information on HNS seaborne transport

## ... EMSA's actions regarding HNS

2) Currently EMSA is setting up the framework for its activities in the field of HNS marine pollution → “top up” philosophy

3) Planned in 2007:

- EMSA 2<sup>nd</sup> HNS Workshop
- EMSA Inventory on Member States' HNS response capacities

## II) Oil Spill Dispersants

- \* All decisions regarding the testing, approval and usage of oil spill dispersants → regulated at national level
- EMSA's activities aim to provide the Member States with:
  - valuable & up to date information regarding dispersants
  - support the national decision-making procedures



## EMSA's actions regarding dispersants

- Inventory of national policies regarding the use of oil spill dispersants in the EU MS (2005)
  - Policy on dispersant usage / List of approved dispersants
  - Dispersant testing and approval procedures
  - Dispersant application means, equipment and stockpiles





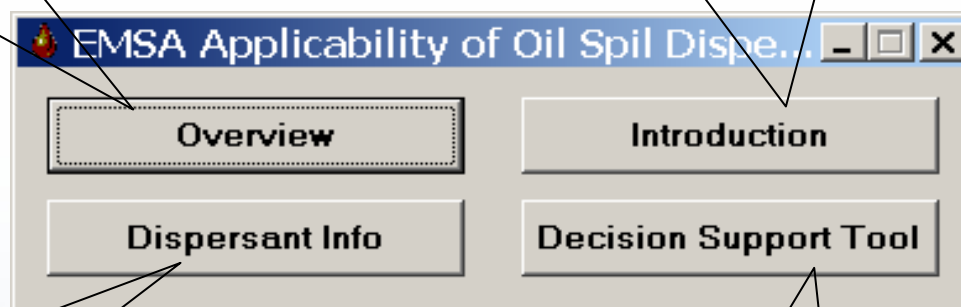
## ... EMSA's actions regarding dispersants

- Operational Manual on the Applicability of Oil Spill Dispersants (2005/2006)
  - i) “Overview” report with valuable information on the state of knowledge of dispersant usage (background material)
  - ii) “Decision Support Software Tool” which contains a software programme allowing the user to compare information about a specific oil, its ‘weathering’ characteristics and its dispersibility
- \* Aim: To provide support for decision-making regarding use of dispersants in oil spill response operations

# EMSA Operational Manual on the Applicability of Oil Spill Dispersants

Open Overview report on the applicability of oil spill dispersants

Open the introduction to the Decision Support Tool



Open dispersant tables and graphs from Overview report

Run the dispersant support software tool

## ... EMSA Operational Manual on the Applicability of Oil Spill Dispersants

Access to documents

Data source

Select oil types

Select dispersants

**EMSA Decision Support Tool**

Overview Introduction to Tool Dispersant Tables

**Oils and Petroleum Products**

☒ All  
☐ Asphaltic  
☐ Naphthenic  
☐ Paraffinic  
☐ Waxy  
☐ Refined products

**Get Oils**

Name	Category	Data Source	Reliability
GULLFAKS SØR	Waxy	Weathering+Dispersants	High
HEIDRUN EXPORT BLEND	Naphthenic	Weathering+Dispersants	High
IFO180 ESSO	Refined	Weathering Only	Medium
IFO180 SHELL	Refined	Weathering Only	Medium
IFO180 STATOIL	Refined	Weathering Only	Medium
IFO240	Refined	Weathering Only	Medium
IFO30	Refined	Weathering Only	Medium
IFO380	Refined	Weathering Only	Medium
IFO550	Refined	Weathering Only	Medium
IRANIAN HEAVY	Asphaltic	Crude Assay	Low
IRANIAN LIGHT	Asphaltic	Crude Assay	Low
JOTUN TAU 13C	Waxy	Weathering+Dispersants	High

**Add New Oil** **Edit/View Oil** **Remove Oil** **Weathering Data** **Most Similar Oils** **Dispersability**

**Dispersants**

☐ Tested with Oil  
☒ All Dispersants

**Dispersant Table**

Name	Type	Accepted for use	Stocked
Agma DR 379	Type 2/3	UK Cyprus	UK
Agma OSD 569	Type 2	UK	Not Stocked
Arrow Emulsol LW	Type 1	UK	Not Stocked
Ashland OSD/LT Oil ...	Type 1	UK	Not Stocked
Atlantol AT7	Type 2/3	Cyprus	Not Stocked
Baker Petrolite Com...	Type 2/3	UK	Not Stocked
Bioreico R93	Type 2/3	France	Not Stocked
BS 300	Unknown	Spain	Not Stocked
Caflon OSD	Type 2/3	UK	Not Stocked
Corexit 9500	Type 2/3	France	UK
Corexit 9527	Type 2/3		Belgium Norway
Corexit 9600	Type 1	Cyprus	Not Stocked
Dasic Slickgone EW	Type 2/3	UK	Not Stocked

**EMSA** **SINTEF** **A**

**Exit**

## ... EMSA Operational Manual on the Applicability of Oil Spill Dispersants

**EMSA Decision Support Tool**

Overview Introduction to Tool Dispersant Tables

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Add New Oil Edit/View Oil Remove Oil Weathering Data Most Similar Oils Dispersability

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Exit

Select an oil

Add a new oil

Get weathering data; view window for dispersant application

Get dispersant information

## III) Oil Spill Response Capacities & Equipment

- EMSA Inventory of EU Member States Oil Pollution Response Capacity (2004, updated in 2006)
  - Government owned or chartered resources (vessels/equipment)
  - Projects in progress/under development
  - Private resources



## ... Oil Spill Response Capacities & Equipment

### EMSA Operational Manual on the Classification of Oil Spill Response Equipment (2004)

- Predefined oil spill scenario input
- Response options
- Inventory of oil spill response equipment / vessels

#### Main goal:

→ To classify oil spill response equipment



#### Operational Manual

#### Classification of oil spill response equipment



April 2005

The main goals of this Operational Manual are

➤ To classify oil spill response equipment

Distribution restricted to Member  
States Administrations and Regional  
Agreements

## IV) Research and Development (R&D)

EMSA tasks include:

“The analysis of research projects carried out in the field of response to pollution caused by ships”

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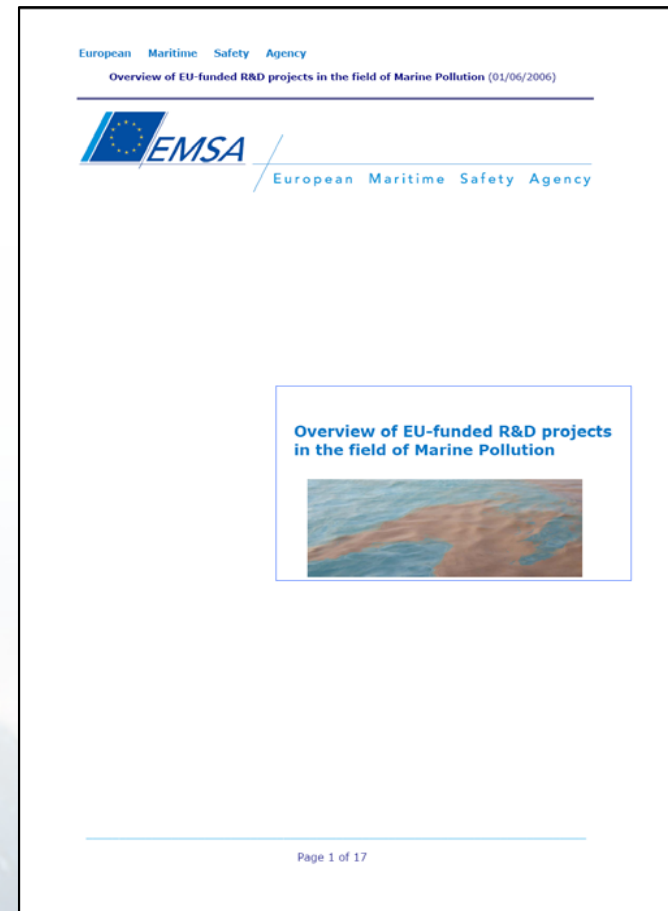
Clarifications:

- EMSA does not conduct R&D as such
- EMSA does not directly finance R&D (≠EU funding bodies)



## EMSA's actions regarding R&D

- Regularly monitor R&D projects
- “Overview of EU-funded R&D projects in the field of marine pollution” (June 2006)
  - EU funding bodies
  - EU funded projects
- Consult and meet with selected R&D projects, upon request



**All activities related to EMSA tasks are available  
on the EMSA website**

**[www.emsa.europa.eu](http://www.emsa.europa.eu)**

**Thank you for your attention**