

**MARINE ENVIRONMENT PROTECTION ACTIVITIES  
IN THE BLACK SEA  
BY TURKEY**

**OSCE**

**Odessa, Ukraine**

**24-26 June 2008**



**Cem Orkun KIRAÇ and Turgay BUYURAN**

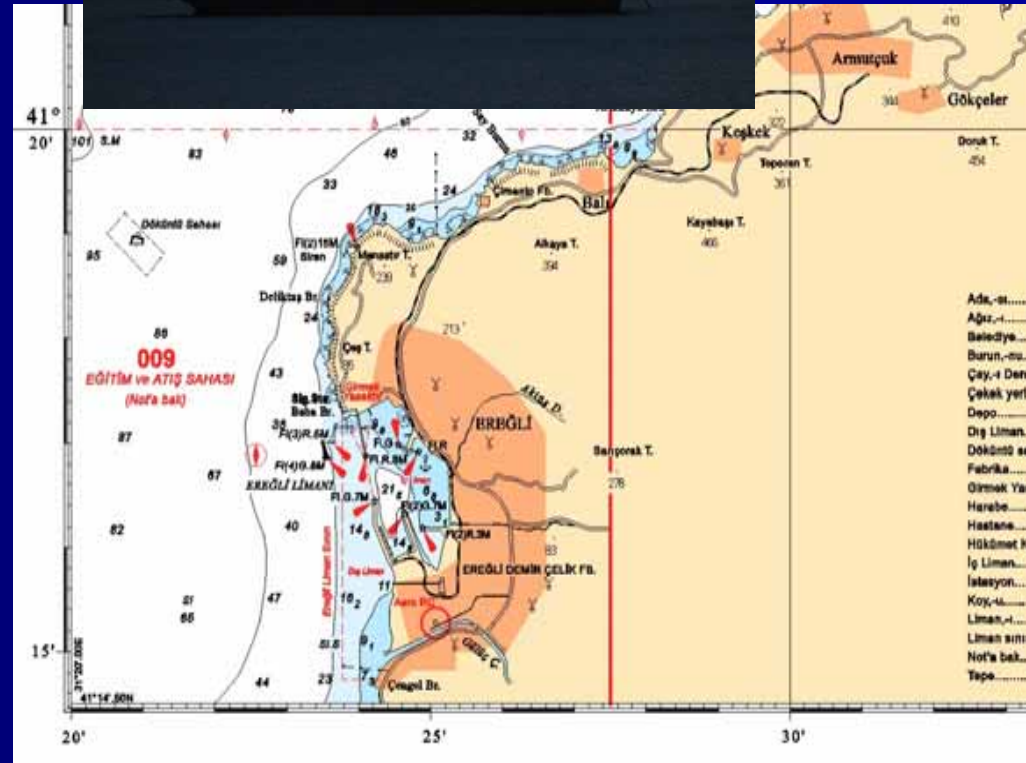
**Republic of Turkey**

**Undersecretariat for Maritime Affairs**

# MARINE ENVIRONMENT PROTECTION ACTIVITIES IN THE BLACK SEA BY TURKEY

## CONTENT of the PRESENTATION

- 1- Background
- 2- Turkey's Vision
- 3- Main elements
- 4- Projects
- 5- Discussion



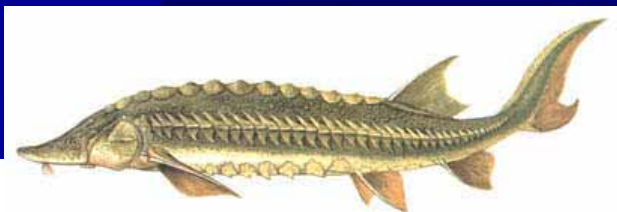
## MARINE ENVIRONMENT PROJECTION ACTIVITIES IN THE BLACK SEA BY TURKEY

Located on NE of the Mediterranean basin,  
the *Black Sea* is an inland sea and surrounded by six littoral States.



## FISHERY in the BLACK SEA

Important socio economic element in whole Black Sea.



Odessa 24-26 June 2008

## SHIPPING in the BLACK SEA

On the important maritime transport routes. Oil from Central Asia are transported mostly through the Black Sea.



## MARINE ENVIRONMENT PROTECTION ACTIVITIES IN THE BLACK SEA BY TURKEY

### TURKEY'S VISION IN THE PROTECTION OF MARINE ENVIRONMENT IN THE BLACK SEA

Recognizing that marine environment problems are transboundary in nature,

Turkey considers the phenomenon that *a chain is as weak as the weakest point* and therefore supports initiatives in regional scale in the Black Sea marine area involved by all the littoral States,

And modify its capacity to prevent, be prepared and respond effectively in marine environment problems.



## LEGAL BASE > NATIONAL LEGISLATION

### Act No. 5312

RESPONSE TO EMERGENCIES AND COMPENSATION OF LOSSES IN CASE OF POLLUTION  
OF THE MARINE ENVIRONMENT FROM OIL AND OTHER HARMFUL SUBSTANCES

REGULATION FOR THE IMPLEMENTATION OF ACT NO. 5312



## LEGAL BASE > REGIONAL CONVENTIONS



### Bucharest Convention (1992)

“The Convention on the Protection of the Black Sea Against Pollution”

- ✓ Signed (1992) and ratified (1994) by the Black Sea littoral States.
- ✓ Basic framework of the Bucharest Convention includes joint action in the case of accidents resulting in marine pollution.





## LEGAL BASE > REGIONAL PROTOCOLS

### Emergency Response Protocol (Bucharest Convention)

“Protocol on Cooperation in Combatting Pollution of the Black Sea Marine Environment by Oil and Other Harmful Substances in Emergency Situations”





## LEGAL BASE > REGIONAL PLANS

### Black Sea Contingency Plan (to the Emergency Response Protocol)

Signed by Bulgaria, Romania and Turkey in 2003.



## LEGAL BASE > REGIONAL PLANS

### Black Sea Strategic Action Plan

- “Strategic Action Plan on the Protection and Rehabilitation of the Black Sea”  
signed in October 1996 (İstanbul, Türkiye)
- Amended June 2002 (Sofia, Bulgaria)
- New (updated) one in 2008 ?..



## MAIN ELEMENTS IN MARINE ENVIRONMENT PROTECTION

1. PREVENTION
2. PREPAREDNESS
3. RESPONSE



## ELEMENTS FOR COMBATTING OIL POLLUTION

### 1. PREVENTION

- Properly Planned & Implemented Navigational Aids
- Effective PSC & FSI
- Relevant International Conventions Signed & Ratified

### 2. PREPAREDNESS

- Emergency Response Plans (Tier 1, Tier 2 and Tier 3)
- Response personnel and equipment ready
- Exercises

### 3. RESPONSE / IMPLEMENTATION

- Effective response at sea and on shore against oil pollution
- Implement Ballast Water & Sediment Control



**PROJECTS - INITIATIVES - ACTIVITIES by TURKEY**  
**SUPPORTING PREVENTION OF MARINE POLLUTION**

- 1- PROJECT: ESTABLISHMENT OF OIL SPILL RESPONSE STATIONS ALONG TURKISH COASTLINE (> 8,300 km.)**
- 2- PROJECT: CONTROL and MANAGEMENT of BALLAST WATER & SEDIMENT IN TURKEY**
- 3- PLANNING & CONDUCTION of OIL SPILL EXERCISES IN TIER 1, TIER 2 and TIER 3 AS WELL AS REGIONAL SCALE**
- 4- ESTABLISHMENT and MODIFICATION OF PORT RECEPTION FACILITIES IN TURKEY**
- 5- ENHANCEMENT OF PORT STATE CONTROL IN TURKEY**



## PROJECTS - INITIATIVES - ACTIVITIES SUPPORTING PREVENTION OF MARINE POLLUTION IN TURKEY

### 1- FEASIBILITY STUDY ON THE ESTABLISHMENT OF OIL SPILL RESPONSE STATIONS ALONG TURKISH COASTLINE (> 8,300 km.)

- PROJECT DESIGNED AND LAUNCHED BY UMA WITH NATIONAL FINANCE
- BUDGET 4 MILLION US DOLLARS
- TURKISH SCIENTIFIC - TECHNICAL RESEARCH COUNCIL (TUBİTAK-MAM) WAS AWARDED TO CONDUCT THE PROJECT
- STARTS NOVEMBER 2006 - ENDS NOVEMBER 2006
- COVERS MARINE TRAFFIC RISK ASSESSMENT, DEFINING SENSITIVITY MAPPING ALONG COASTAL AREAS, PLACES OF REFUGE, GIS, DEFINING NUMBER OF RESPONSE STATIONS (Quantity, Staff, Training of Staff, Equipment type and quantity, Number and Locations of Stations...)



## **PROJECTS - INITIATIVES - ACTIVITIES SUPPORTING PREVENTION OF MARINE POLLUTION IN TURKEY**

### **2- CONTROL and MANAGEMENT of BALLAST WATER & SEDIMENT IN TURKEY**

- PROJECT DESIGNED AND LAUNCHED BY UMA WITH NATIONAL FINANCE**
- BUDGET OF 1 MILLION US DOLLARS**
- TURKISH SCIENTIFIC - TECHNICAL RESEARCH COUNCIL (TUBİTAK-MAM) WAS AWARDED TO CONDUCT THE PROJECT**
- AIMS AT IDENTIFYING RISK ASSESSMENT IN TURKISH PORTS IN TERMS OF TRANSPORTATION OF ALLIEN INVASIVE SPECIES, QUANTITY OF BALLAST WATER CARRIED FROM THE OTHER PORTS IN THE WORLD, USING ALL DATA IN GIS PROGRAM SPECIFICALLY DEVELOPED,**
- TURKEY IS ALSO MEMBER OF GLOBALLAST PARTNERSHIP PROJECT AND LEAD COUNTRY IN THE MEDITERRANEAN BASIN**





## PROJECTS - INITIATIVES - ACTIVITIES SUPPORTING PREVENTION OF MARINE POLLUTION IN TURKEY

### 2- CONTROL and MANAGEMENT of BALLAST WATER & SEDIMENT IN TURKEY

- UMA HAS ALREADY PREPARED DRAFT NATIONAL LEGISLATION RELEVANT TO BALLAST WATER AND SEDIMENT CONTROL & MANAGEMENT.
- SIGNATURE TO INTERNATIONAL BALLAST WATER & SEDIMENT CONTROL AND MANAGEMENT CONVENTION IS UNDER PREPARATION.



## PROJECTS - INITIATIVES - ACTIVITIES SUPPORTING PREVENTION OF MARINE POLLUTION IN TURKEY

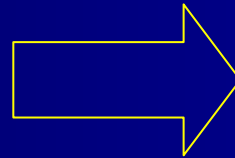
### 3- PLANNING & CONDUCTION of OIL SPILL EXERCISES IN TIER 1, TIER 2 and TIER 3 AS WELL AS REGIONAL SCALE

- THE FIRST BLACK SEA REGIONAL DELTA EXERCISE SULH 2007
- IT WAS SUCCESSFULLY CONDUCTED IN EREGLI ON TURKISH BLACK SEA COAST IN SEPTEMBER 2007
- ALSO LOCAL and SUB-REGIONAL OIL SPILL RESPONSE EXERCISES ARE REGULARLY PLANNED AND CONDUCTED TWO TIMES IN A YEAR.
- 1ST SUB-REGIONAL DRILL WAS CONDUCTED IN IZMIT BAY (in the Marmara Sea) IN MAY 2008
- AND 2ND ONE TO BE CONDUCTED IN ISKENDERUN BAY (Eastern Med.) CEYHAN OIL PIPE LINE REGION IN OCTOBER 2007.



“SULH“ MEANS “PEACE” IN TURKISH LANGUAGE

**S**ea of  
**U**nited  
**L**iving and  
**H**ospitality



**BLACK SEA**



**SULH 2007**  
**BLACK SEA DELTA EXERCISE**

**SULH 2007 IS FIRST MULTINATIONAL OIL SPILL RESPONSE**

**DELTA EXERCISE ON A REGIONAL SCALE in the BLACK SEA**

**REALIZED SUCCESSFULLY THROUGH COLLABORATION**

**of the BLACK SEA LITTORAL STATES and the BLACK SEA COMMISSION**

**WITH SUPPORT FROM OSPRI.**



SULH 2007

BLACK SEA DELTA EXERCISE

PLANNING AND PREPARATION OF EXERCISE

STEERING COMMITTEE

Bulgaria, Georgia, Romania, Russian Federation, Turkey And Ukraine and the Permanent Secretariat of the Black Sea Commission.

OSPRI

NATIONAL COORDINATION of TURKEY

Undersecretariat for Maritime Affairs (Coordinator)

Ministry of Environment and Forest, Turkish Navy, Coast Guard Command, DG Coastal Safety, Ministry of Foreign Affairs, Ministry of Health, Governor of Zonguldak, Sub-Governor of Kdz. Ereğli, Municipality of Kdz. Ereğli, Harbour Master of Kdz. Ereğli, Erdemir Iron & Steel Plant, private oil spill response companies and tanker owner and cargo owner.

- Background

- Legal Base

- Aim

▶ Participation

- Exercise Summary



SULH 2007  
BLACK SEA DELTA EXERCISE

TURKISH NATIONAL ORGANIZATIONS and BLACK SEA STATES INVOLVED IN  
SULH 2007 DELTA EXERCISE

- Background

✓ UNDERSECRETARIAT FOR MARITIME AFFAIRS > *GENERAL COORDINATOR*

- Legal Base

✓ MINISTRY OF ENVIRONMENT and FOREST > *TRAINED STAFF FOR SHORELINE  
CLEAN-UP*

- Aim

▶ Participation

✓ COASTAL SAFETY DIRECTORATE GENERAL > *TUG BOATS and TRAINED*

- Exercise  
Summary

*STAFF and BOOMS, SKIMMERS*

✓ NAVY > *FRIGATES, TUG BOAT, AIR SURVEILLANCE CRAFT and BOOMS*



**SULH 2007**  
**BLACK SEA DELTA EXERCISE**

**TURKISH NATIONAL ORGANIZATIONS and BLACK SEA STATES INVOLVED IN  
SULH 2007 DELTA EXERCISE**

- Background

✓ COAST GUARD COMMAND > SAR BOATS, SAR HELICOPTER

- Legal Base

✓ MINISTRY OF HEALTH > SEA AND LAND AMBULANCES and  
TRAINED MEDICAL TEAMS

- Aim

✓ ERDEMİR IRON & STEEL PLANT > TUG BOATS and FLOATING BARRIERS

▶ Participation

✓ SHIPPING COMPANIES > PROVIDED REAL VESSELS and ROLE of COLLIDED  
VESSELS OWNER & THE TANKER CAPTAIN

- Exercise  
Summary





**SULH 2007  
BLACK SEA DELTA EXERCISE**

**PARTICIPATION FROM THE BLACK SEA  
STATES TO SULH 2007 DELTA EXERCISE**



**RUSSIAN FEDERATION**

- SVETLOMOR-3 TUG BOAT / ON BOARD OIL POLLUTION  
RESPONSE STAFF and EQUIPMENT

- SHAHTYOR TUG BOAT / NAVY AUXILIARY SHIP

**ROMANIA**

- MOBILIZED MEDICAL TEAM
- MOBILIZED DIVING TEAM

**BLACK SEA LITTORAL STATES EXCLUDING  
UKRAINE PARTICIPATED WITH THE OBSERVERS.**



- Background

- Legal Base

- Aim

► Participation

- Exercise  
Summary



**SULH 2007  
BLACK SEA DELTA EXERCISE**

**PRIVATE SECTOR PARTICIPATION TO  
SULH 2007 DELTA EXERCISE**



SULH 2007, Shoreline Deployment Workshop  
5-7 June 2007, Kdz. Ereğli, Cem Orkun Kırac/UMA

- Background

**OSRL/EARL**

**OIL POLLUTION RESPONSE TRAINED STAFF  
SHORELINE OIL POLLUTION EQUIPMENT**

- Legal Base

- Aim

**MEKE MARINE LTD.**

► **Participation**

**“M/V MEKE SÜPÜRGE” OIL POLLUTION RESPONSE VESSEL**

- Exercise  
Summary

**OIL POLLUTION RESPONSE TRAINED STAFF  
SHORELINE CLEAN-UP EQUIPMENT**



SULH 2007, Shoreline Deployment Workshop  
5-7 June 2007, Kdz. Ereğli, Cem Orkun Kırac/UMA

**OSCE**

Odessa 24-26 June 2008

SULH 2007  
BLACK SEA DELTA EXERCISE

INDUSTRY PARTICIPATION TO SULH 2007 DELTA EXERCISE

OSPRI

OSPRI'S EXPERTISE and KNOW-HOW ON EFFECTIVE and RAPID OIL SPILL RESPONSES SUPPORTED WORKSHOPS AND SEMINARS PRIOR TO SULH 2007.

- Background

- Legal Base

- Aim

► Participation

- Exercise  
Summary



SULH 2007  
BLACK SEA DELTA EXERCISE

WORKSHOPS AND SEMINARS  
PRIOR TO THE EXERCISE



- Background

- Legal Base

- Aim

► Participation

- Exercise  
Summary

- SENSITIVITY MAPPING WORKSHOP (29-30 MARCH 2007, KDZ. EREĞLİ)
- INTEGRATION OF INTERNATIONAL RESOURCES SEMINAR (26 APRIL 2007, ISTANBUL)
- AERIAL SURVEILLANCE WORKSHOP (27 APRIL 2007, ISTANBUL)
- SHORELINE DEPLOYMENT TRAINING AND  
LOCAL ADMINISTRATION LIASON WORKSHOP (5-6-7 JUNE 2007, KDZ. EREĞLİ)
- CLAIMS WORKSHOP (25-26 JUNE 2007, ANKARA)
- MEDIA HANDLING SEMINAR (22-23 AUGUST 2007, ANKARA)

**SULH 2007**  
**BLACK SEA DELTA EXERCISE**

**SULH 2007 EXERCISE MAIN PHASES**

**0. 1-4 SEP. 2007 - PRELIMINARY PHASE**

CUSTOMS PROCEDURE for TEAM MEMBERS & CLEAN-UP EQUIPMENT from ABROAD and PORT PROCEDURE for RF TUGS

- Background

**1. 5 SEP. 2007 – PHASE 1**

- Legal Base

SAR and MEDICAL ASSISTANCE

- Aim

**2. 6 SEP. 2007 – PHASE 2**

- Participation

OIL SPILL RESPONSE and  
CLAIMS & COMPENSATION ACTIVITIES

▶ **Exercise  
Summary**

**3. 7 SEP. 2007 – PHASE 3**

EXERCISE DE-BRIEFING, HOT WASH-UP and  
FINAL PRESS CONFERENCE



SULH 2007. Shoreline Deployment Workshop





SULH 2007  
BLACK SEA DELTA EXERCISE

✓ Kdz. Ereğli is one of the major industrialized city in Turkey.

- Background

✓ The biggest Integrated Iron & Steel Plant, ERDEMİR is located here.

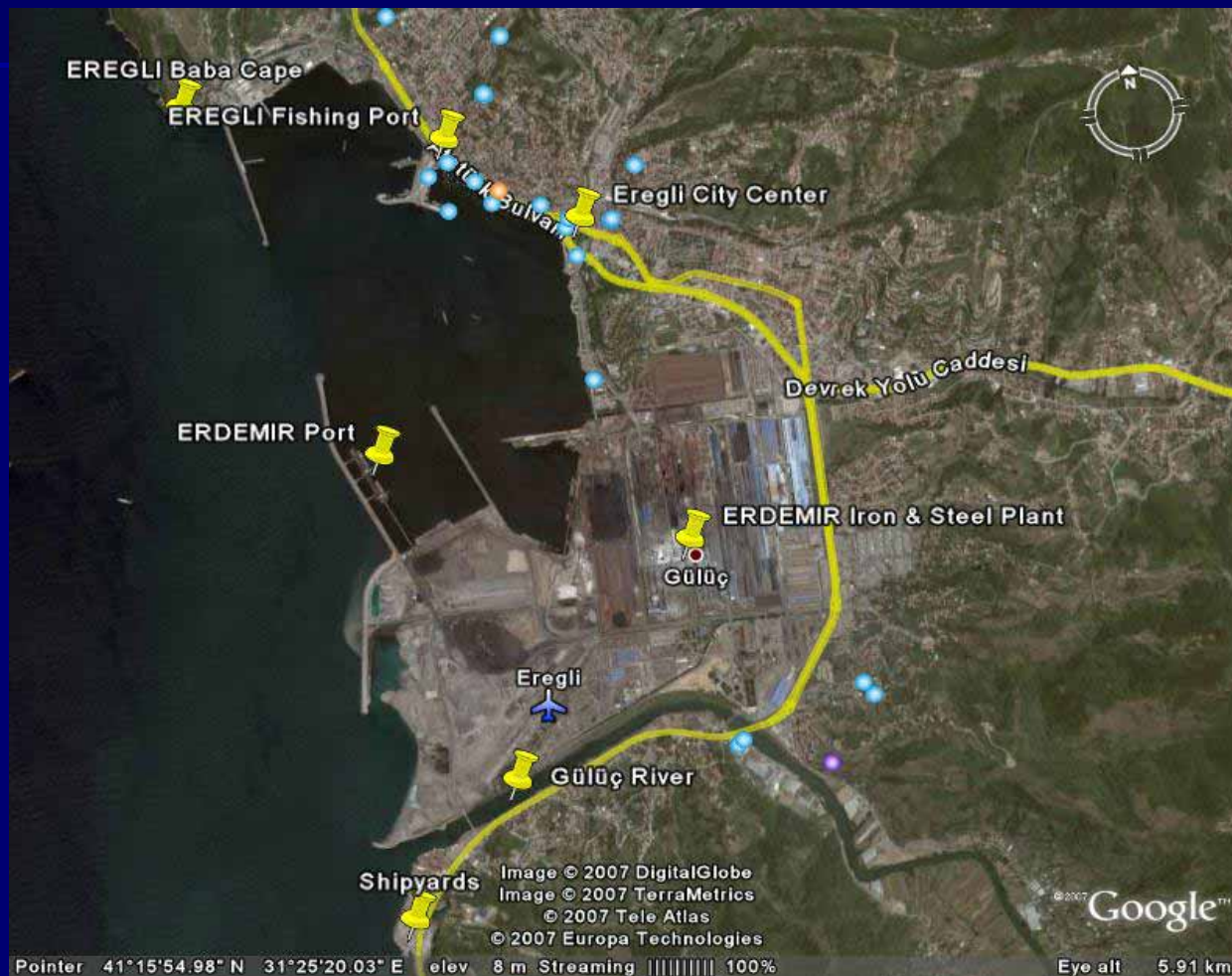
- Legal Base

- Aim

✓ The biggest harbour in whole Turkish Black Sea coast and high maritime traffic.

- Participation

▶ Exercise Summary



## BASIC INFORMATION on the SCENARIO

- Background
- Legal Base
- Aim
- Participation
- ▶ Exercise Summary



The exercise is based on the scenario in which an Oil Tanker and RO-RO Passenger vessel collided.



Accident happened 12 NM off Kdz. Ereğli coasts in the Black Sea.

- Background

- Legal Base

- Aim

- Participation

▶ Exercise Summary



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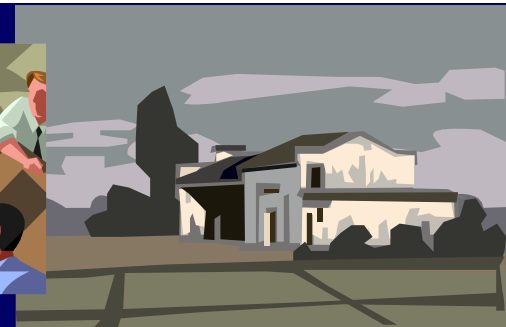


**OBSERVERS ON BOARD**



Frigate "YAVUZ"

Frigate "GÖKÇEADA"



**CRISIS MANAGEMENT CENTER (Navy Base)**

- Background

- Legal Base

- Aim

- Participation

**Exercise Summary**



**CLAIMS STUDY GROUP and PARTICIPANTS from the INDUSTRY (Ereğli Maritime High School)**



**OBSERVERS from LAND SAILING CLUB and FISHERY PORT**

**ON SCENE**



**Ro-Ro Passenger**



**Oil Tanker**

**EXERCISE AREA Kdz. Ereğli NW 12 NM off shore**



**RESPONSE AT SEA and ON SHORE (Beach, Off-Shore and Ereğli Port)**



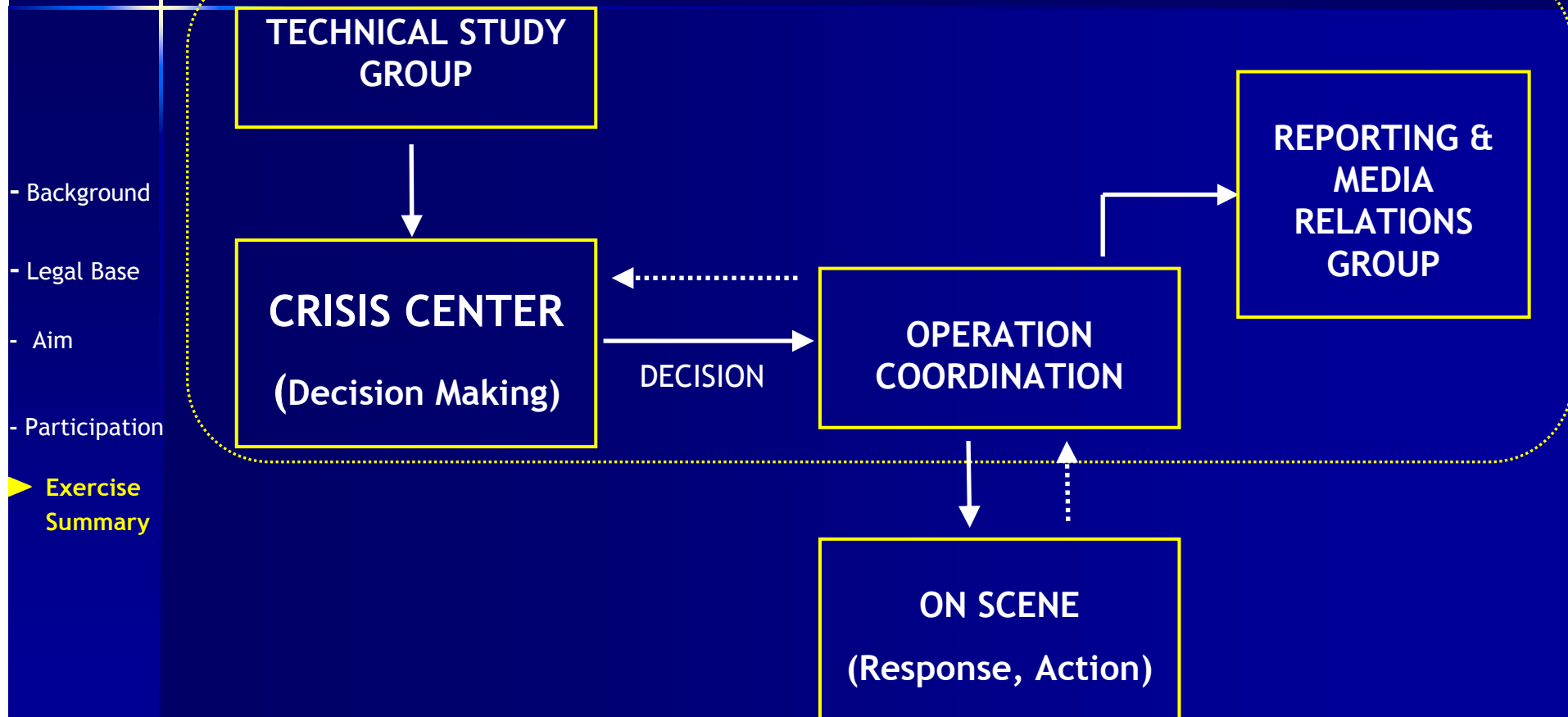
**BRIEFING ERDEMİR CULTURE CENTER**



SULH 2007

BLACK SEA DELTA EXERCISE

# CRISIS MANAGEMENT CENTER



- Background
- Legal Base
- Aim
- Participation
- ▶ Exercise Summary



Day-1: After alerting, immediate response by Coast Guard with the SAR Boats and SAR Helicopter



- Background
- Legal Base
- Aim
- Participation

► Exercise Summary



Day-1: Coast Guard SAR Boat underway to reach on scene







Day 1: Coastal Safety Rescue Boat is on-scene



Day 1: Rescue Boat transferring to casualties to Sea Ambulance

Day-1: Air Surveillance is carried out by the Navy Plane



Day 1: Coast Guard SAR Helicopter first reached on-scene and started air surveillance





Day 1: Coastal Safety Tug Boat “Kurtarma-2” and Russian Federation Tug Boat “Swetlomor-3” underway for cooperation.



Day-1: Firefighting operation immediately started after SAR



Day 1: Coastal Safety Tug Boat “Kurtarma-2” and Russian Federation Tug Boat “ Shahtyor” is on firefighting operation





Day-1: M/F Erdeniz towed by Russian tug boat Svetlomor-3.



Day-2: Navy air surveillance helicopter taking off from the frigate to monitor the oil slicks.

Day-2: Off-shore booms deployed by “Meke Süpürge”, vessel of private company, for recovery



Day-2: Coastal Safety deployed boom around the tanker and temporary inflatable storage tank used for recovery







Day-2: Preparations for recovery on Coastal Safety “Gemi Kurtaran” tug boat’s deck

Day-2: Booms deployed and dragged in “U” configuration





Day-2 : Off-shore boom deployed by Coastal Safety boom deployment vessel “Tahlisiye-3”. Coastal Safety tug boat “Gemi Kurtaran” in the background.

Day-2: Recovery operation with off- shore booms and skimmers



Day-2: Booms deployed around the tanker



Day-2: Preparations for shore clean-up operation by the private oil spill response company.





Day-2: Boom deployment operation at sandy beach area



SULH 2007, Shoreline Deployment Workshop  
5-7 June 2007, Kdz. Ereğli, Cem Orkun Kiraç/UMA

Day-2: Boom deployment operation at inner port



SULH 2007, Shoreline Deployment Workshop  
5-7 June 2007, Kdz. Ereğli, Cem Orkun Kiraç/UMA

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Day-2: Rip-rap clean-up operation by the private oil spill response company.





Day-2: Boom deployment operation carried out by abroad private oil spill response company for protect fishing vessels and leaure crafts at inner port

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Day-2: Ereğli Maritime High School hosted Claims Working Group and Simulated Cargo Owner Response Team



Day-2: Simulated Cargo Owner established it's Response Team at region



Day-2: Claims and Compensation Working Group



## Day-3: Exercise De-briefing and Final Press Conference



## Day-3: Hot wash up and discussion

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#### 4- PORT RECEPTION FACILITIES ALONG TURKISH BLACK SEA COASTS

PORT	WASTE GROUP OILY WASTE		WASTE GROUP OTHERS	
	WASTE CATEGORY OILY BILGEWATER	WASTE CATEGORY OILY RESIDUES (SLUDGE)	WASTE CATEGORY GARBAGE	WASTE CATEGORY SEWAGE
<b>BARTIN PORT</b> Since July 2007	15 m3 6 m <sup>3</sup> /h	14 m3 3 m <sup>3</sup> /h	2 m3 2.41 m <sup>3</sup> /h	10 m3 7 m <sup>3</sup> /h
<b>GİRESUN ÇAKIROĞLU</b> Since April 2007	15 m3 3 m <sup>3</sup> /h	15 m3 3 m <sup>3</sup> /h	6 m3	15 m3 20 m <sup>3</sup> /h
<b>ARTVİN - HOPA PORT</b> Since December 2005	100 M3 3 m <sup>3</sup> /h	27 m3 3 m <sup>3</sup> /h	6 m3 6 m <sup>3</sup> /h	5 m3 8 m <sup>3</sup> /h
<b>ORDU ÇAKIROĞLU</b> Since may 2007	15 m3 4 m <sup>3</sup> /h	15 m3 8 m <sup>3</sup> /h	6 m3	15 m3 13 m <sup>3</sup> /h
<b>RİZE RİPORT</b> Since July 2007	20 m3 8 m <sup>3</sup> /h	15 m3 5 m <sup>3</sup> /h	6 m3 7 m <sup>3</sup> /h	7 m3 12 m <sup>3</sup> /h
<b>SAMSUN TCDD PORT</b> Since march 2006	80 m3 5 m <sup>3</sup> /h	60 m3 4 m <sup>3</sup> /h	15 m3 1 m <sup>3</sup> /h	100 m3 5 m <sup>3</sup> /h
<b>SAMSUN TOROS PORT</b> Since August 2007	15 m3 4 m <sup>3</sup> /h	15 m3 4 m <sup>3</sup> /h	12 m3 1 m <sup>3</sup> /h	7.5 m3 9.6 m <sup>3</sup> /h
<b>SAMSUN YEŞİLYURT PORT</b> Since November 2007	40 m3 15 m <sup>3</sup> /h	40 m3 14 m <sup>3</sup> /h	6 m3 2 m <sup>3</sup> /h	18 m3 2m <sup>3</sup> /h
<b>TRABZON PORT</b> Since December 2005	100 m3 30 m <sup>3</sup> /h	10 m3 20 m <sup>3</sup> /h	18 m3	21 m3
<b>ZONGULDAK ERDEMİR PORT</b> Since September 2005	110 m3 15 m <sup>3</sup> /h	50 m3 10-15 m <sup>3</sup> /h	7 m3	6 m3 15 m <sup>3</sup> /h



**PROJECTS - INITIATIVES - ACTIVITIES by TURKEY**  
**SUPPORTING PREVENTION OF MARINE POLLUTION**

**5- ENHANCEMENT OF PORT STATE CONTROL IN TURKEY**

- **TURKEY HAS SUPPORTED REGIONAL MEMORANDUMS OF UNDERSTANDING on PORT STATE CONTROL**
- **SIGNED *MED MoU* and *BS MoU* in 1997 and 2000 RESPECTIVELY**
- **BLACK SEA MOU SECRETARIAT IN ISTANBUL**
- **TURKEY HAS UPGRADED ITS CAPACITY MUCH ESPECIALLY AFTER 2004 WITH THE EMPLOYMENT OF 160 MORE PORT STATE and FLAG STATE OFFICERS and PURCHASE OF SOFTWARE & EQUIPMENT RELATED TO SHIP INSPECTION INCLUDING MEANS OF MOBILIZATION in ITS 70 PORTS.**
- **TURKEY HAS CHANGED FROM THE BLACK LIST TO GRAY LIST OF PARIS MoU WITH A DECREASE OF DETENTION LEVELS FROM ANNUAL 210 SHIPS TO ANNUAL 40 SHIPS.**





### Black - Grey - White lists

Flag	Inspections 2004-2006	Detentions 2004-2006	Black to Grey limit	Grey to White limit	Excess Factor
<b>Black List</b>					
Korea, DPR	397	135	37	Very high risk	8,70
Albania	344	98	32		6,84
Bolivia	36	10	6		4,09
Comoros	326	63	31	High risk	3,95
Georgia	718	126	62		3,76
Slovakia	202	39	21		3,65
St.Kitts and Nevis	40	10	6		3,53
Syrian Arab Republic	170	32	18		3,38
Honduras	116	22	13		3,11
St Vincent and the Grenadines	2450	296	193	Medium to high risk	2,34
Cambodia	526	69	47		2,27
Lebanon	169	24	18	Medium risk	2,03
Brazil	38	7	6		1,79
Egypt	157	19	17		1,40
Belize	622	59	55		1,22
Morocco	170	18	18		1,02
<b>Grey List</b>					
Panama	6877	514	517	446	0,96
Taiwan	45	6	6	0	0,93
Turkey	1968	154	157	119	0,92
Algeria	138	14	15	4	0,90
Ukraine	583	48	51	30	0,84
Mongolia	47	5	7	0	0,75
Jamaica	41	4	6	0	0,68
Thailand	235	18	23	10	0,61





THANK YOU ...

For further questions

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