



## **Environmental Governance / GPA Activities in PERSGA Region (2011)**

**13<sup>th</sup> Global Meeting of Regional Seas Conventions & Action Plans  
3-5 October 2011, Bussan, South Korea**

## Governance: Improve Regional Legislation

### Expansion



- ❑ New Protocol on Equipment and Personnel Movement During Emergency Program (2010)
- ❑ Mechanism to establish Regional Fishery Arrangement (2011)
- ❑ PSC MoU for PERSGA region (2011/2012)

### Accelerate ratification



#### Follow ratification of:

- ❑ Protocol conc. Biodiversity & MPAs (2005)
  - ❑ Protocol conc. Land-based Activities (2005)
- Djibouti has ratified this year -2011  
Saudi Arabia has ratified since 2009  
Follow up ongoing with other member states

### Support implementation



- ❑ Demo projects (ongoing in all member states) to support establish programs for mainstreaming
- ❑ Capacity building and networking related to implementation of the regional convention/protocols (12 workshops and 4 regional meetings in 2011)



# Governance: Regional Platform for international initiatives/ conventions

## Activities in 2011 (a)

### Marine Fishery

#### FAO Code of Conduct for Responsible Fisheries

Collaboration with FAO to establish Arrangement for regional fishery management (regional meeting in November 2011)

### Marine Pollution

#### IMO Conventions and Protocols

Technical Cooperation with IMO:

- Contingency planning & response
- Regional Ballast Water Management Strategy (2011)

### Ecosystem Approach

#### UNEP Guidelines

Cooperation with UNEP Regional Seas: Training workshop on application of EBM manual (Jan 2012) and demo projects for the implementation of EBM at national levels.

### POPs

#### Stockholm Convention

In Cooperation with UNIDO:

- Training Workshop on POPs
- Regional inventory for emissions
- Regional Strategy for implementing BATs/ BEPs (2010-2011)



# Governance: Regional Platform for international initiatives/ conventions

## Activities in 2011 (b)

### Biodiversity (CBD)

#### UNEP Guidelines

Regional Manual and training workshop on MPAs management in collaboration with UNEP/ROWA (2011-2012)

### Land-based Pollution

#### GPA/LBA

- ❑ Supported Member Countries for development of NPAs.
- ❑ Training on Marine Litter assessment (Jan 2012) within the framework of the PERSGA's Marine Litter Action Plan.

### UNFCCC

#### Adaptation to Climate Change impacts

- ❑ PERSGA Regional Strategy for CC Adaptations (since 2008)
- ❑ Adaptation Planning and Funding Workshop (December 2011)
- ❑ Training workshop on coastal CC induced risk assessment and management (June 2011)
- ❑ Support national adaptation projects (Sudan, 2010/2011; Saudi Arabia/Jordan 2012)



# Improve regional knowledge and skills to Promote Governance through:

## 1) Regional Assessments in 2011

- Assessment of fishery resources and their management (May-Sep 2011)
- Assessment of the MPAs management (May-Sep 2011)
- 2<sup>nd</sup> State of Marine Environment Report (2011/2012)

## 2) PERSGA Annual Training Program (2011)



## Workshops at HQ and EMARSGA (2011): I

#	Workshop Title	Duration in 2011	Location
1.	Inception Workshop of the Project Preparation Grant for Strategic Ecosystem Management of the Red Sea and Gulf of Aden	Feb 7 <sup>th</sup> – 8 <sup>th</sup>	Jeddah Saudi Arabia
2.	First Regional Taskforce Meeting for Wastewater Management in RSGA Coastal Cities: Sources, Impacts and Reuse	Feb 13 <sup>th</sup> – 14 <sup>th</sup>	Jeddah Saudi Arabia
3.	Fifth PMC Meeting of the Project Promotion of Strategies to Reduce Unintentional Production of POPs in the Red Sea and Gulf of Aden (PERSGA) Coastal Zone	Apr 4 <sup>th</sup> – 5 <sup>th</sup>	Hurghada Egypt
4.	Second Consultation Workshop on Port State Control MoU in the Red Sea and Gulf of Aden	Apr 18 <sup>th</sup> – 19 <sup>th</sup>	Jeddah Saudi Arabia
5.	Glo-Ballast Second RTF Meeting	Jun 6 <sup>th</sup> – 7 <sup>th</sup>	Hurghada Egypt
6.	Assessment of Risks from Climate Change Induced Sea Level Rise and Coastal Floods	Jun 27 <sup>th</sup> -29 <sup>th</sup>	Jeddah Saudi Arabia
7.	Optimization and Integration of Basic Seawater Characteristics and Pollution Monitoring Activities	Sep 19 <sup>th</sup> -21 <sup>st</sup>	Hurghada Egypt
	Modeling Chemical Spill Incidents	Sep 12 <sup>th</sup> – 15 <sup>th</sup>	Hurghada Egypt



## Workshops at HQ and EMARSGA (2011/Jan 2012): II

#	Workshop Title	Duration in 2011	Location
8.	Sample Processing and Preparation for Analysis of Hydrocarbons, with Emphasis on UP-POPs	Oct 24 <sup>th</sup> – 26 <sup>th</sup>	Aqaba Jordan
9.	Development of a Regional Contingency Plan; Use of Dispersants	Nov 14 <sup>th</sup> – 16 <sup>th</sup>	Hurghada Egypt
10.	Regional Meeting to Initiate Mechanism for Regional Fishery Arrangement	Nov 28 <sup>st</sup> – 30 <sup>th</sup>	Jeddah Saudi Arabia
11.	Closing Workshop for Finalizing Themes to be Included in the SEMORGA Full Project Document	Dec 5 <sup>th</sup> – 6 <sup>th</sup>	Jeddah Saudi Arabia
12.	Monitoring Control and Surveillance Tools in the Framework of the Ecosystem Approach to Fisheries Management	Dec 12 <sup>th</sup> – 14 <sup>th</sup>	Jeddah Saudi Arabia
13.	Sixth “Final” PMC Meeting of the Project Promotion of Strategies to Reduce Unintentional Production of POPs in the Red Sea and Gulf of Aden (PERSGA) Coastal Zone	Dec 19 <sup>th</sup> - 20 <sup>th</sup>	Jeddah Saudi Arabia
14.	Ecosystem Based Management	Jan 8 <sup>th</sup> – 11 <sup>th</sup> 2012	Hurghada Egypt
15.	Training on Marine Litter Assessment	Jan 2012	Jeddah Saudi Arabia



## Regional Training Workshop on Adaptation Planning and Financing with support of ISESCO and UNEP/ROWA (December 2010, PERSGA HQ, Jeddah, Saudi Arabia)



Adaptation within the UNFCCC frameworks

What constitute Adaptation Actions/Projects

Approaches to Adaptation Planning and project Design

Adaptation Financing: availability and accessibility

Adaptation Fund: strategic priorities, operational policies and procedures

Adaptation Fund: Accreditation process for National Implementing Entities (MIEs)





# Support member states to develop coastal adaptation programs e.g. Sudan (2010-2011)

Inundation hotspots of the built environment in Port Sudan due to projected sea level rise



- ❑ PERSGA has supported developing coastal vulnerability assessment and development of coastal adaptations to CC impacts
- ❑ Capacity building and establishing a national team for coastal vulnerability assessment and monitoring
- ❑ Coastal Zone included in 2<sup>nd</sup> National Communication Report to the UNFCCC
- ❑ Integrating adaptation measures in ICZM planning



# **Regional Strategic Action Plan for the Control of Transfer of Harmful Aquatic Organisms and Pathogens in Ships` Ballast Water in Collaboration with IMO (2011)**

**National status assessment, economic assessment, and draft strategies prepared**

**Draft Regional Strategy Prepared in Arabic, English and French**

**Several regional and national training workshops on different aspects of BWM have been carried out**

**PERSGA supervised the translation of the legal aspects training package into Arabic to be used by all Arabic Speaking Countries**

**PERSGA is supporting efforts at the national level to develop biological baseline in the ports**





## PERSGA Activities towards the Implementation of the GPA



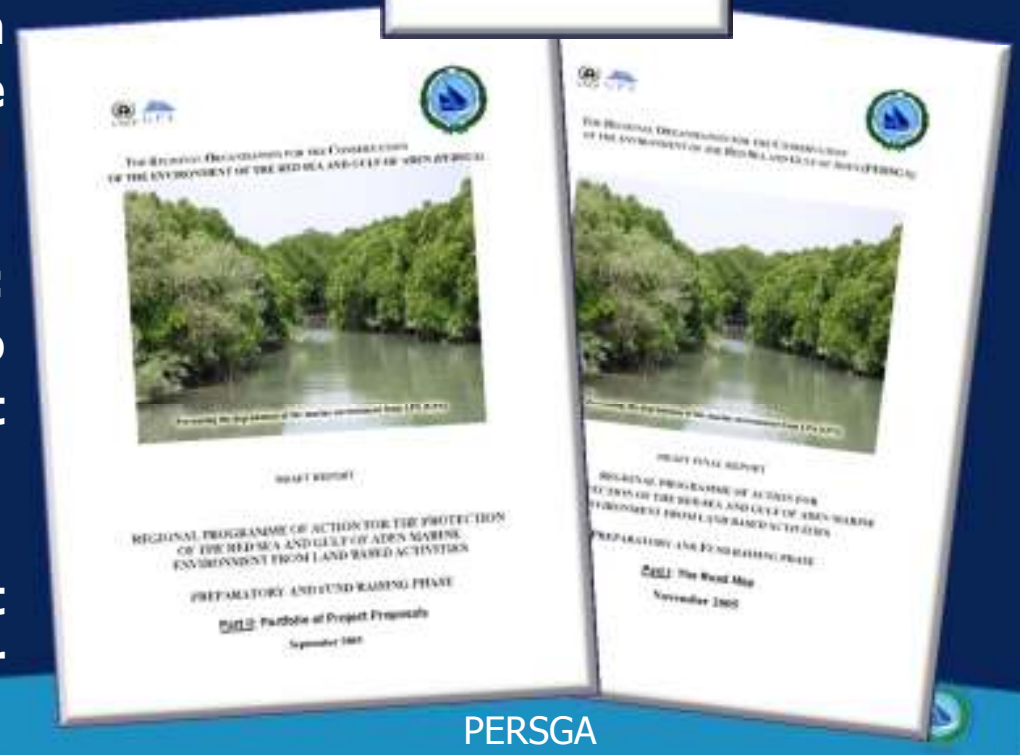
# Regional Program of Action for the Protection of the Marine Environment from Land-Based Activities (RPA)

❑ Legal framework : PERSGA Protocol Concerning Protection of the Marine Environment from Land-Based Activities in the Red Sea and Gulf of Aden (2005)

❑ Outcomes and information have been disseminated on the PERSGA website .

❑ Prepared a RPA Document: as a Road Map and Portfolio Projects Document with support of GPA/UNEP.

❑ Submitted a Regional Project to GEF through UNEP for Funding.



# **PERSGA/UNIDO Collaboration: Building Regional Capacities to implement Stockholm Convention on POPs**



**The Stockholm  
Convention**



**UNIDO**



**PERSCA**



**GEF**

**Promotion of strategies to reduce POPs in the Red Sea and Gulf of Aden (PERSGA) coastal zone**

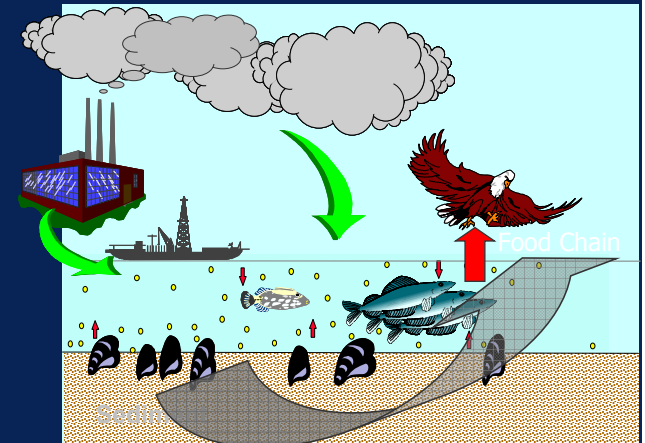


# Promotion of strategies to reduce POPs in the Red Sea and Gulf of Aden (PERSGA) coastal zone

## Project Objectives

The main objective of the project is to protect human health and environment from POPs risks by integrating the project outputs in national development strategies through:

- Revised assessment, technical assistance and public awareness and outreach
- Helping countries fulfill their commitment to Stockholm Convention
- Introduction of BAT / BEP in selected activities of national priority
- Developing a regional strategy cutting unintentionally produced POPs



## **Activities completed at the regional level (2011-2012)**

**Training on sampling for dioxin and furan analysis of different environmental matrices**

**Training on constructing POPs inventories with focus on UP POPs**

**Training of trainers on BAT / BEP in selected activities**

**Arranging for dioxin and furan analysis at internationally accredited laboratories**

**Establishing Partnership with industry**

**Initiating a sampling program of marine sediments and biological indicators**

**Purchasing ambient air and stack emission sampling equipment and providing training on the use of these equipment**



## National Programs of Action for the Protection of Marine Environment from Land-Based Activities

Support Jordan for Development of NPA document with support of Regional Seas Program/UNEP (2007-2008)



NPA's Jordan Meeting, November 2007



## National Programs of Action for the Protection of Marine Environment from Land-Based Activities

Support Egypt (2010) for Development of NPA- Red Sea Coast Document



NPA's Egypt Meeting, May 2010



# National Programs of Action for the Protection of Marine Environment from Land-Based Activities

Support Sudan (2009-2010) and Djibouti (2010-2011) for Development of NPA Document



NPA's Sudan Meeting, July 2009



NPA's Djibouti Meeting, May 2011

## PERSGA Marine Litter Initiative

Developed Sustainable Marine Litter Management Framework  
with support of RSP/UNEP (2007-2008)



Regional Meeting to Discuss the Marine Litter Framework Document  
Hurgadah, Egypt, April, 2007



# PERSGA Marine Litter Initiative

Beach Clean-Up Campaigns in Yemen and Djibouti with support of RSP/UNEP in 2008 and slogan “ *Clean up Our Seas*”



Djibouti

Yemen

# PERSGA Marine Litter Initiative

Underwater Clean-Up Campaign in Jeddah, Saudi Arabia in 2008 in cooperation with a Dive center



## Some Training workshops related to LBA

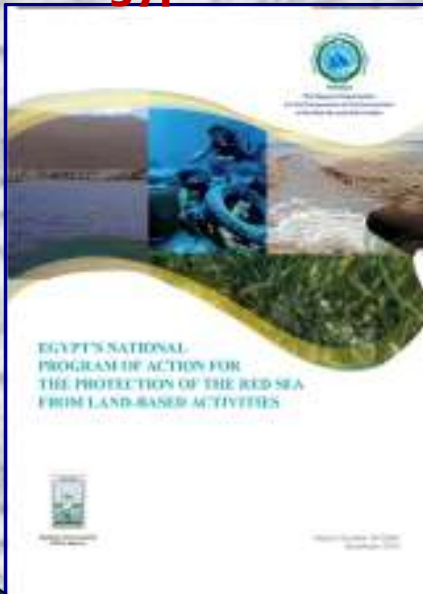
(Duration: 3 - 4 days/each)

Title of Training Workshop	Date	Location	Partner
Coastal Environmental Inspection	2006	Jeddah, KSA	
Municipal waste Management	2006	Jeddah, KSA	GPA/UNEP
Coral Reef Compensation	2008	Jeddah, KSA	IUCN
Mangroves Rehabilitation	2009	Jeddah, KSA	
Chemical Oil Spill Modeling	December 2009	Hurghada ,Egypt	IMO
Collection and Preservation of samples for analysis of POPs	April 2010	Cairo, Egypt	UNIDO
Modeling Chemical Spill Incidents	September 2011	Hurghada ,Egyp	IMO
Marine Litter Assessment	January 2012	Jeddah, KSA	



# Main Products relate to LBA Program

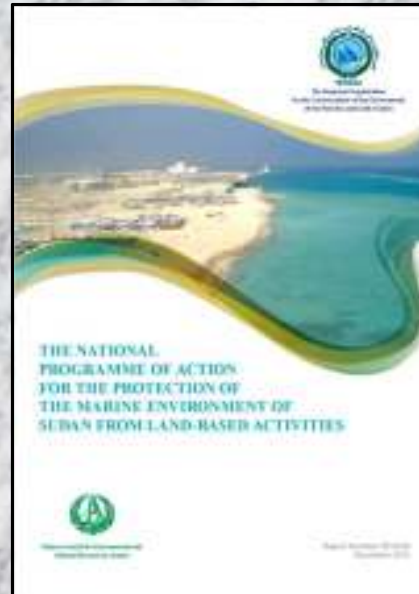
## Egypt's NPA



## Jordan's NPA



## Sudan's NPA



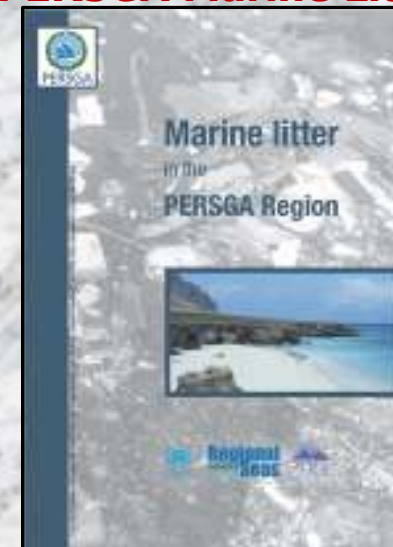
## Djibouti's NPA



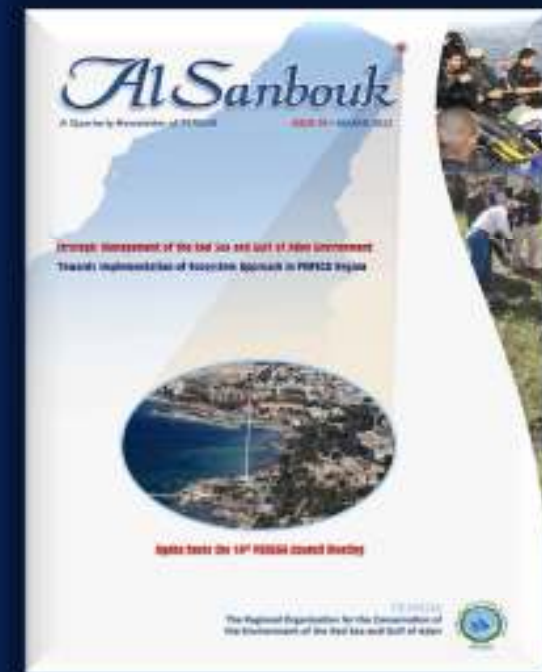
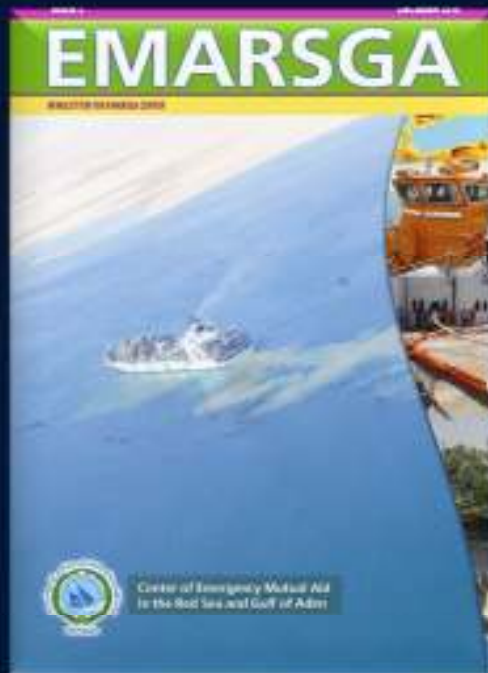
## PERSGA Marine Litter Posters



## PERSGA Marine Litter

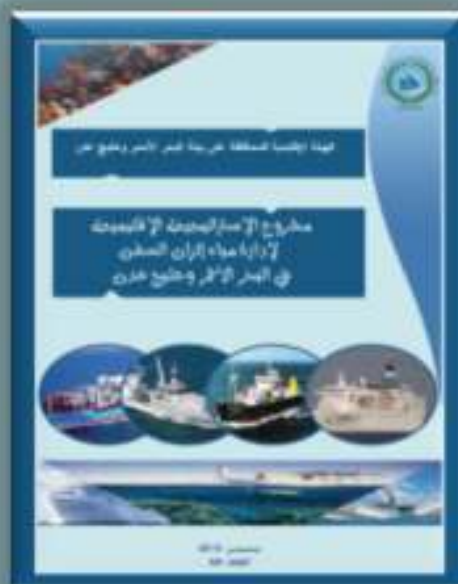


# Recent Publications (2010-2011)



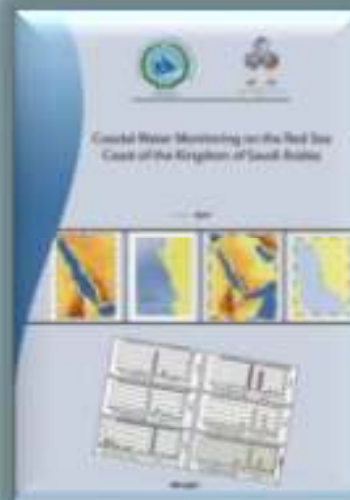


# Recent Publications (2010-2011)



# Recent Publications (2010-2011)

## Regional Guidelines for Mangrove: Restoration in the Red Sea & Gulf of Aden



## Main Challenges

- ❑ Technical capabilities and expertise
- ❑ Gaps in knowledge and information
- ❑ Sustainable funding
- ❑ Coordination among concerned sectors at national levels
- ❑ Differences in technical capabilities and expertise among country members

## Opportunities

- ❑ Good political support for PERSGA
- ❑ Improved level of public awareness
- ❑ Strong ownership and cooperation
- ❑ Adequate legal framework
- ❑ Advanced GIS and information systems





[www.persga.org](http://www.persga.org)

Thank You...

