



الهيئة الإقليمية للمحافظة على
بيئة البحر الأحمر وخليج عدن

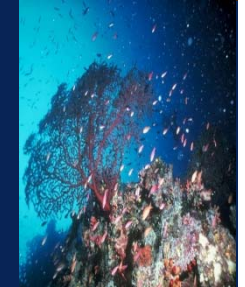
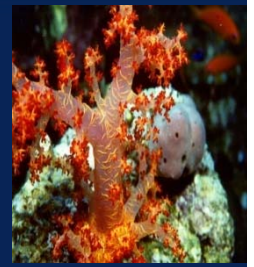
Regional Indicators Used for Assessment of Marine Environment in the Red Sea and Gulf of Aden

Ahmed S. M. Khalil
Regional Program Coordinator
Living Marine Resources and Climate Change
PERSGA

ahmed.khalil@persga.org

OUTLINE

- Brief background on PERSGA and Characteristics of the Red Sea and Gulf of Aden Region
- PERSGA Standard Survey Methods for Key Habitats and Species , and Living Marine Resources
- Performance Indictors in Specific RAPs for Conservation of Key Habitats and Species
- Indicators in Other Assessment Guidelines
- Gaps and shortcomings
- Addressing gaps:
 - PERSGA workshop on Regional Indicators (2010)
 - SEM Project Component 3: Regional Environmental and Socioeconomic Monitoring Supporting Ecosystem Based Management (EBM)



PERSGA الهيئة الإقليمية للمحافظة على بيئة البحر الأحمر وخليج عدن

An intergovernmental organization concerned with protection/conservation of marine environment and sustainable development

- Member states are **Djibouti, Jordan, Egypt, Saudi Arabia, Somalia, Sudan and Yemen**
- Head Quarter in Jeddah
- PERSGA has also established a marine Emergency Mutual Aids center for the Red Sea and Gulf of Aden (EMARSGA) in Hurghada
- Legal/mandatory framework: Jeddah Convention (1982) and its attached/ derived Protocols and MoUs
- Regional Action Plan developed in 1982

Regional Action Plan Major Objectives

**Assessment of
Coastal-Marine
environment**

**Guidelines for
Sustainable Resource
Management**

**Legal Base for
Cooperative
Efforts**

**Support
Institutional
Mechanism**

PERSGA Program Components

Specialized Programs

- ☐ Living Marine Resources Program
- ☐ Biodiversity-MPAs Program
- ☐ Regional Monitoring Program
- ☐ Land Based Activities Program
- ☐ Marine Pollution (EMARSGA Center)
- ☐ Climate Change Program

Supportive Programs

- ☐ Environmental Education and Awareness
- ☐ Annual Training Program: Capacity Building
- ☐ PERSGA Regional Information System
- ☐ On-ground Activities Program: Demo Projects



Regional Legislation

Regional Action Plan
Protocol on Combating
Pollution by Oil and
Hazardous Chemicals

Jeddah Convention

1982

Protocol on
Protection
from LBAs

Protocol on
Biodiversity
and MPAs
Network

2005

Protocol on
Exchange of
Equipment
and Personnel
During
Emergencies

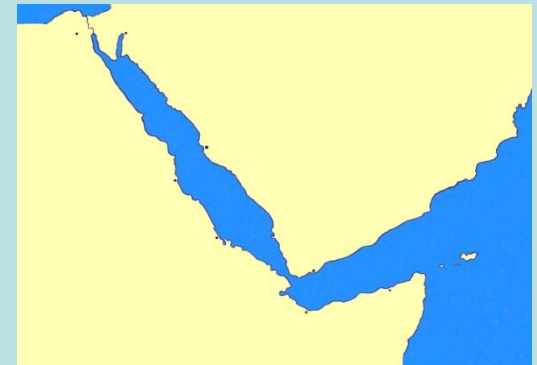
2009

MoU on
Regional
Cooperation
on Port State
Control

2011

MoU on
Regional
Cooperation in
Fishery
Management

2013



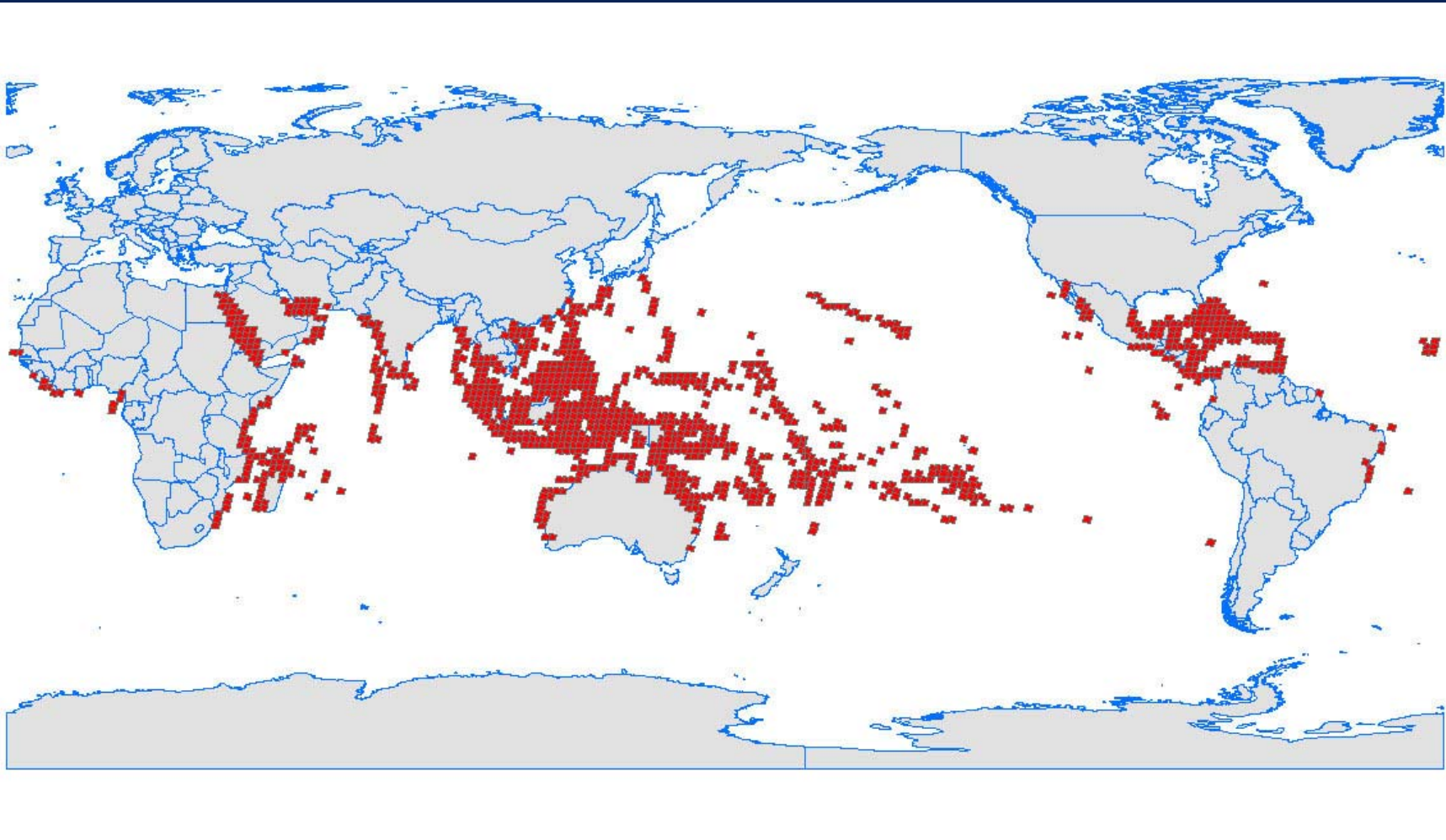
Diverse coastal and marine habitats

Key ecosystems/ the resource base is diverse in the Red Sea and Gulf of Aden



World Coral Reefs Distribution

The Red Sea represents less than 0.2% of the world's ocean, while it supports around 6% of the world's coral reefs



https://www.yunbaogao.cn/report/index/report?reportId=5_12233

预览已结束，完整报告链接和二维码如下：



ity of the Red Sea

≈ 300 species

≈ 170 species

≈ 130 species

≈ 567 species

in comparison: *Arabian Sea 141 species*

Arabian Gulf 231 species



n is an area of oceanic
lting in high productivity
rces

