











# SGA Network 4<sup>th</sup> Annual Meeting 25-28 November, 2012 Stellenbosch, South Africa

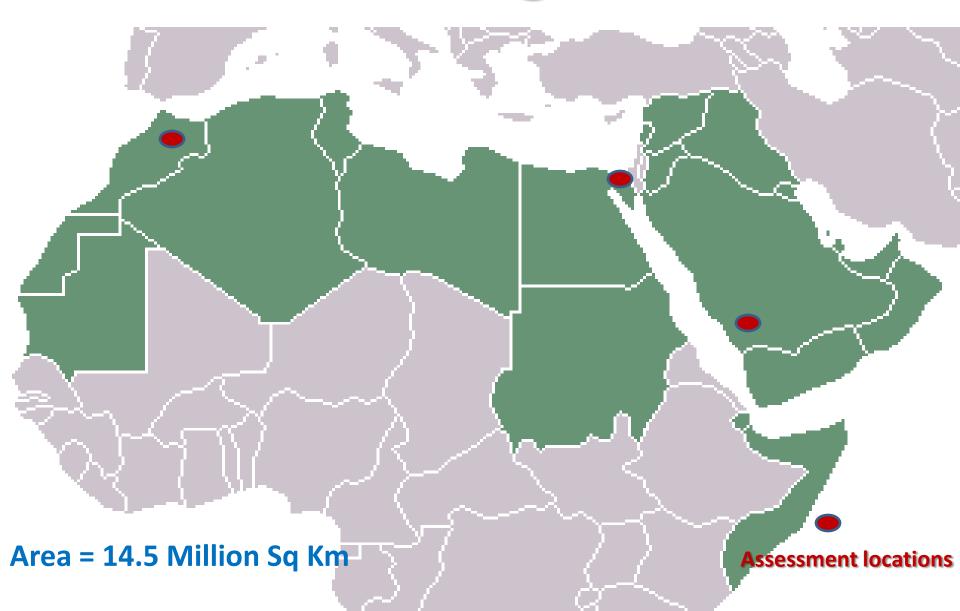
Arab Millennium Ecosystem Assessment Synthesis, Lessons, and Way Forward



#### **Outline**

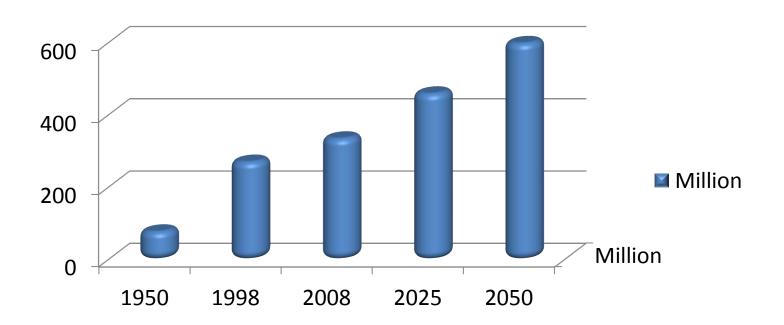
- Overview
- Socio Economics
- Common issues
- Ecosystem Services
- Policy Responses
- Lesson learned
- Ongoing efforts and the way forward

# Arab Region



# **Population Growth**

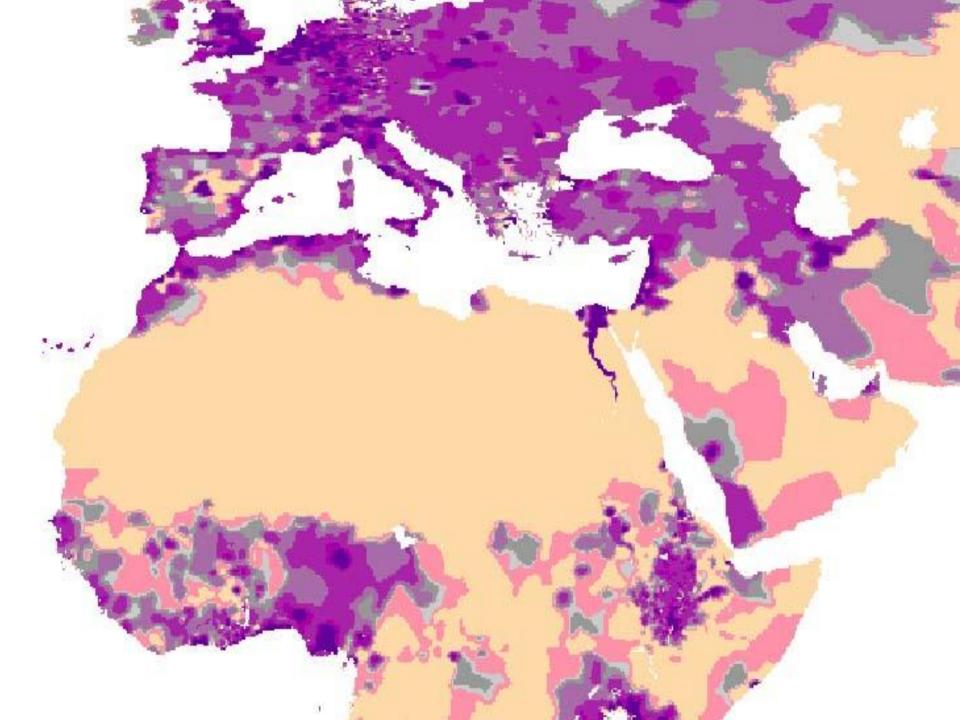
#### Million



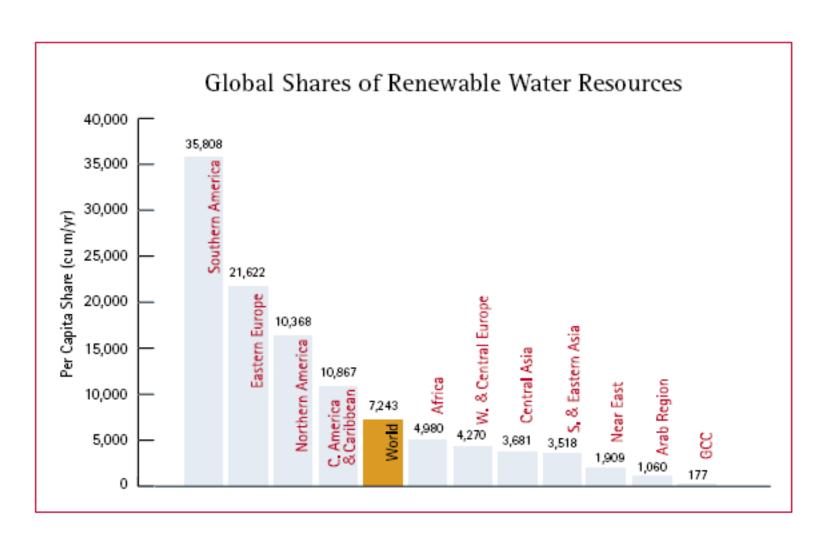
### **Population**

1950 **77 m** 1998 270 m 335 m 2007 598.5 m 2050

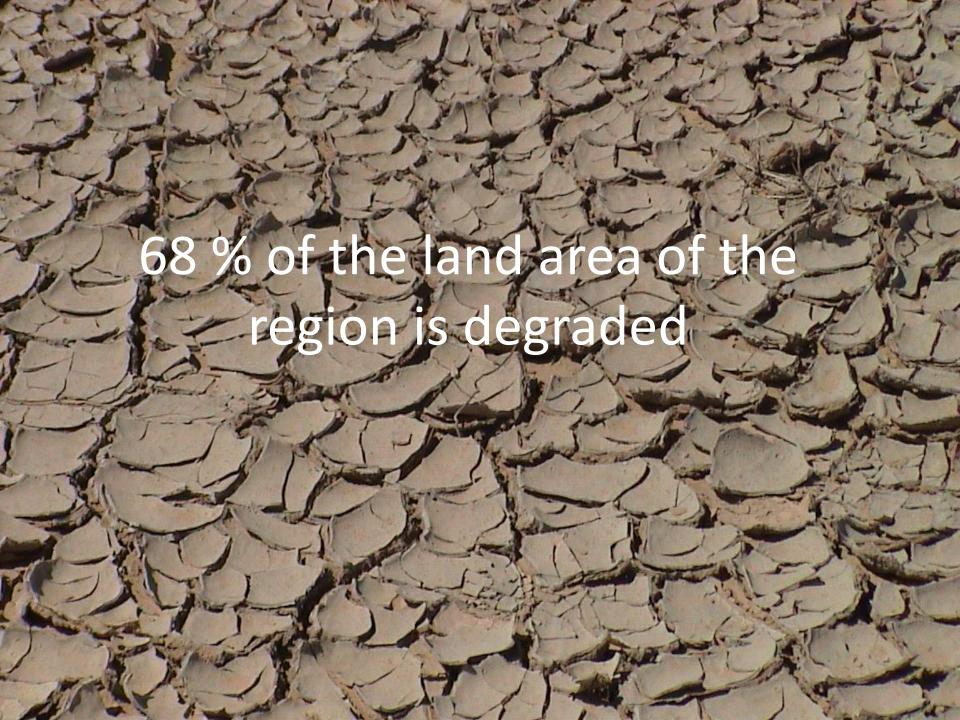
**Current population growth rate = 2.1** 

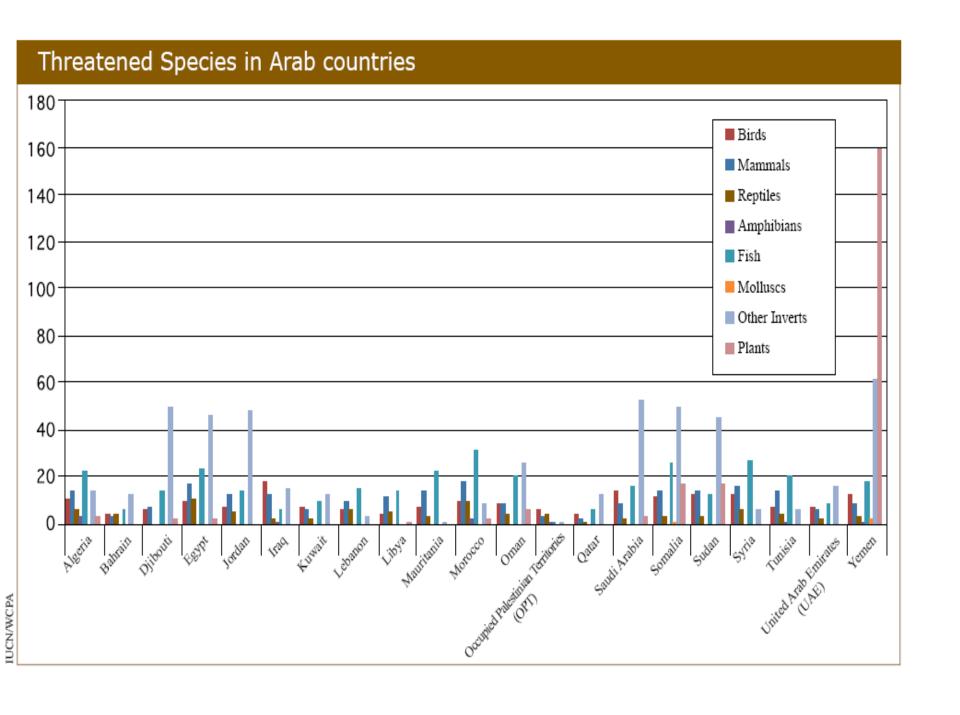


#### Global Per Capita Water Share •

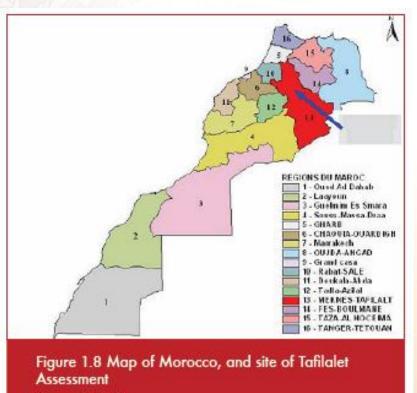












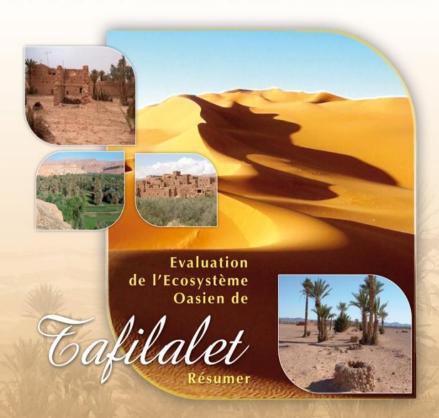
Source: UNEP

Royaume du Maroc



Secrétariat d'Etat auprès du Ministère de l'Energie, des Mines, de l'Eau et de l'Environnement chargé de l'Eau et de l'Environnement

Département de l'Environnement





Observatoire National de l'Environnement du Maroc

9, Avenue Azar, secteur 16 Hay Riad Rabat Tel: 0537.57.06.39 • Fax: 0537.57.66.42 O N E M www.environnement.gov.ma/onem

Juin 2010

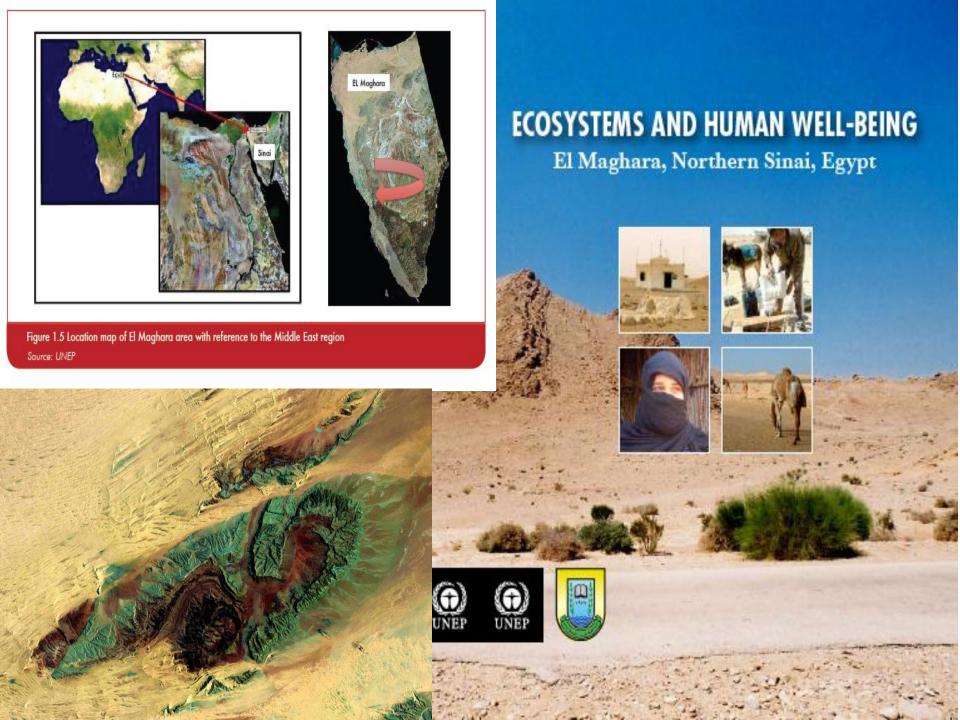


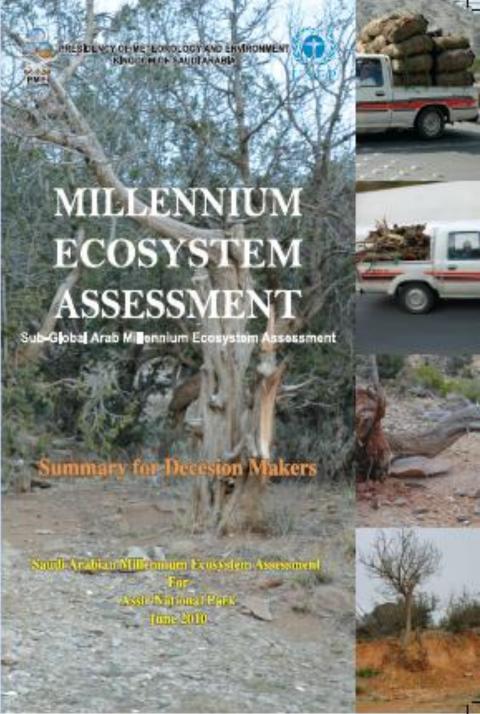


Figure 1.7 Map of Saudi Arabia, showing the location of Asir Province

Source: PME

#### PME

PRESIDENCY OF METEOROLOGY AND ENVIRONMENT P.O.Box 1356, Juddish 21431 Kingdom of Saudi Anable www.gove.gov.go



## **Social and Economic Drivers**

# **Population growth**





#### Urbanization









# Poverty and Unemployment







# Mining

## **Fuel**





# **Ecosystem Services**







Blepharis edulis (acanthaceae) Gebel El Maghara

### **Other Services**

regulatory water regulation

Cultural

- Ecotourism
- Educational
- Aesthetic

### Responses

Most responses are technical and on capacity building

# **Proposed Responses**

- Regenerating ecosystem
- Human resources development
- Institutional reforms

#### Each one to be supported by three components:

- Information and Monitoring measures
- Corrective and preventive actions
- Supportive procedure to assure the successful attainment of the subgoals of each components

# **Key Lessons**

- Assessments need to respond to actual needs and address the policy questions of decision makers, and the fulfillment of the needs of the local communities
- Social factors constitute the major pressures and need to be addressed, such as poverty and unemployment
- Examine working and successful policies at the local level for up scaling and replication
- Adopting principles of good governance is critical to ecosystem management
- Local inhabitants are not involved in the decision making process their engagement is critical for sound ecosystem management
- Capacity building is essential













# **UNEP-Live**

To create and share knowledge for environmental assessment



# A Partnership in Progress

Presentation to the Data Working Group: Sustainable Development Indicators LAS, Cairo 11-13 November 2012





United Nations Environment Programme



#### News Updates

humans and the natural environment linked through the intricacies of the hydrologic cycle and the interdependencies of all life on Earth. When water resources are degraded, they can impact every form of life, including humans.



Find Data & Indicators Emerging Issues

Find Maps & Reports

My Country

Tools & Methodologies

Partners









# Components of UNEP Live (Web based platform)

UNEP ENVIRONMENTAL ASSESSMENT REPORTS

**And Emerging Issues** 

DATA AND INDICATORS

Statistical Data

Spatial Data (Images, maps)

NEAR REAL TIME ALERTS

Global Environmental Alert Service
Environmental hot spots

Citizens
Observations

**SOE Live** 

Dynamically updated Content on the State of Environment

Tools
Collaboration and
Consultation Platform

My Country

Capacity building in all

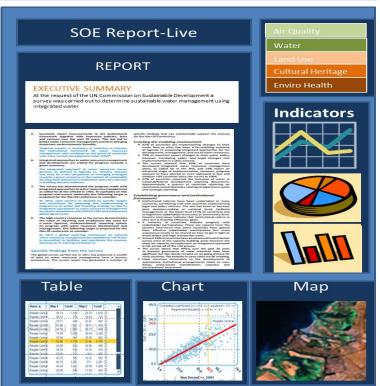


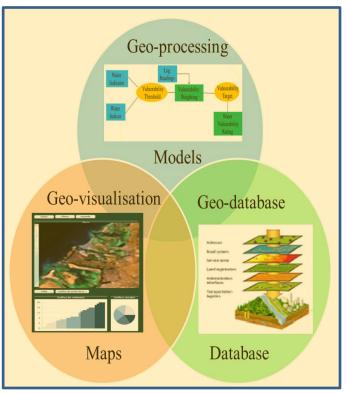
## SOER-Live:

#### SIMPLE, FUNCTIONAL & ROBUST:

SOER-LIVE:

#### GIS Technology :

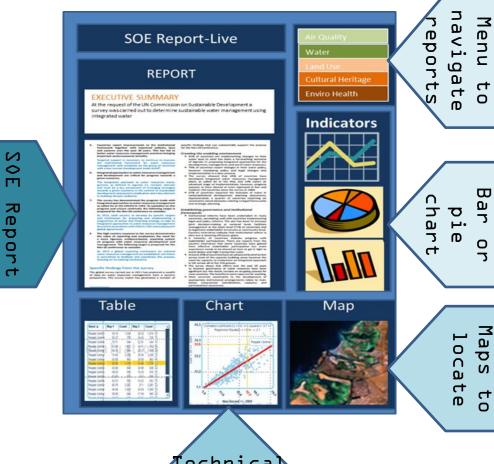


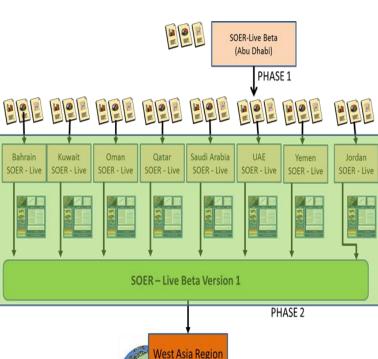


# Development Strategy

SIMPLE, FUNCTIONAL & ROBUST:







SOER - Live

PHASE 3

Technical data for scientist



## **SPECIAL INITIATIVES**

Inaugural Secretariat Meeting 18-19 July 2012

# **Special Initiatives**

- Foundation Initiatives
  - Eye on Global Network of Networks
  - Eye on Access for All
  - Eye on Environmental Education
- Thematic Initiatives
  - Eye on Biodiversity
  - Eye on Community Sustainability and Resiliency
  - Eye on Disaster Management
  - Eye on Oceans and Blue Carbon
  - Eye on Water Security

## **AGEDI Rapid Assessment series**

- Biodiversity
- Climate Change
- Blue Carbon
- Water

#### Other Assessments and Supporting Activities

- Second Environment Outlook for the Arab Region
- Water Vulnerability y to climate change
- Regional Environmental information Network
- Sustainable Development Indictors

