

Toward Sustainable Energy-Resources, Challenges and Opportunities

Ibrahim Abdel Gelil
Arabian Gulf University

The Arab Climate Resilience Initiative

Toward a Unified Response

Rabat, Morocco

3-5 November 2010

11/9/2010

1

Major Challenges

- ▶ **Energy Diversification**
- ▶ **High rates of energy demand growth**
- ▶ **Securing energy supply for the oil importing countries**
- ▶ **Attract massive investments in the energy sector**
- ▶ **Sector reform and mobilize private sector**
- ▶ **Capacity building in managing the energy sector**

The Main Messages

- ▶ To foster a strategic approach to promote EE and RE at the national level
- ▶ To mainstream EE and RE into development policies, strategies, and plans
- ▶ To foster investment in EE and RE
- ▶ Seizing opportunities for employment generation in EE and RE

Opportunities for Interventions

- ▶ **Integrate energy efficiency and RE into energy, economic, and environmental planning**
- ▶ **Strengthen legislative and institutional framework**
- ▶ **Remove key barriers (policy, market, economic)**
 - Sector reform
 - Economic incentives
 - Low investment in R & D
 - Energy subsidies
 - Standards, testing and certification
 - Knowledge management
- ▶ **Establish national targets for EE and RE**
- ▶ **Education, training, and public awareness**
- ▶ **Innovative financing schemes, e.g. Harness the potential for carbon finance in the region**
- ▶ **Promote regional energy integration**

Opportunities for Interventions/2

- ▶ Establish synergy with other regional initiatives (e.g. RCREEE)
- ▶ Collaboration between Arab Universities and Research institutions.
- ▶ Mandatory Energy Audits
- ▶ Economic incentives
- ▶ Energy efficiency codes and standards
- ▶ Promote Green Building
- ▶ Invest in Resilient Cities
- ▶ Promote green economies and green jobs.

Discussions of the main findings of the regional consultation in Bahrain