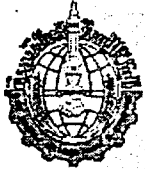




CEDARE

# WORKSHOP ON MARINE AND COASTAL ZONE RESOURCES MANAGEMENT



IDB

INTEGRATED COASTAL AREA MANAGEMENT (QATAR)

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Jeddah, 1-3 November, 1999



JCCI



PERCA



UNEP

**INTEGRATED COASTAL AREA MANAGEMENT**

**METAB AL-KUBAISI**

**ENVIRONMENT DEPARTMENT**

**STATE OF QATAR**

**1. OBJECTIVE :**

**ENVIRONMENTALLY SOUND MARINE  
ENVIROMENT AS IT PROVIDES  
FOOD AND WATER TO THE  
PEOPLE OF QATAR**

## **2. INSTITUTIONS:**

- **PLANNING DEPARTEMENT – ZONING & MASTER PLANS**
- **INDUSTRIES DEPARTMENT – SITING OF INDUSTRIES IN INDUSTRIAL AREAS**
- **ENVIRONMENT DEPARTMENT – LINKS WITH PLANNING & INDUSTRIES DEAPRTMENTS AND ISSUES OPRATING PERMITS**

**ALL INSTITUTIONS ARE AT THE NATIONAL LEVEL.  
FEEDBACK IS TAKEN FORM THE LOCAL MUNICIPALITIES.**

## **5. MAJOR ICAM PPP COMPLETED :**

- **MASTER PLAN FOR QATAR HAS BEEN PREPARED BY THE PLANNING DEPARTMENT IN CONSULTATION WITH THE ENVIRONMENT DEPARTMENT**
- **PROCEDURES FOR REGULATING EXISTING PROJECTS HAS BEEN LAID DOWN**
- **A PROCEDURE IS LAID DOWN FOR NEW INDUSTRIES TO OBTAIN ENVIRONMENTAL CLEARANCE BASED ON THEIR ENVIRONMENTAL IMPACT ASSESSMENT.**

## **6. LIST MAJOR ENVIRONMENTAL ISSUES IN THE COASTAL AREAS OF QATAR :**

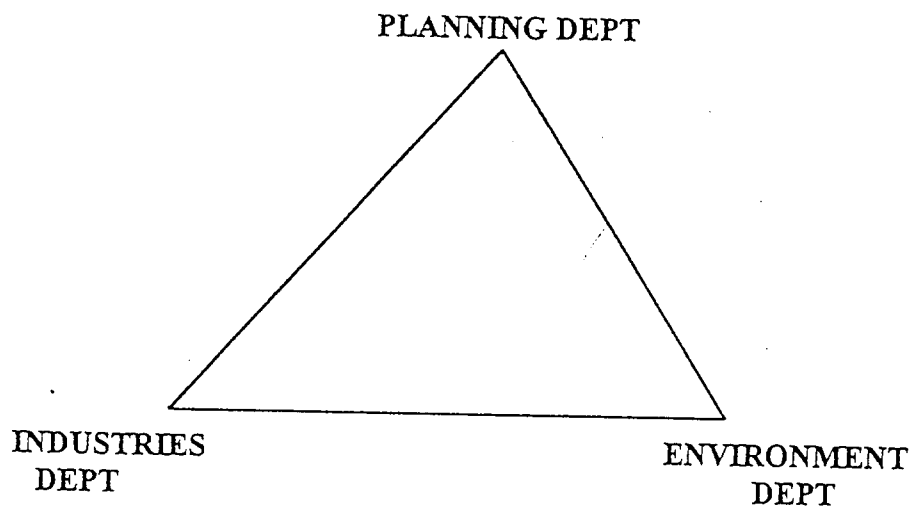
- POLLUTION FROM OIL TRANSPORT
- POLLUTION FROM OIL EXTRACTION
- INFILLING AND LAND-RECLAMATION
- EFFECTS OF WATER DESALINIZATION ON COASTAL WATERS
- DUST FALLOUT FROM THE DESERT
- PROTECTION OF SPECIAL HABITATS
- LINEAR COASTAL TOURISM
- EFFECTS OF COASTAL TOURISM
- LOSS OF MANGROVE AREAS
- DESTRUCTION OF CORAL REEFS

## **7. SELECTED SITE IN THE ROPME SEA AREA :**

**THE SELECTED SITE IN QATAR IS MESSAI'EED**

- THE INDUSTRIAL AREA WAS SET UP IN 1970
- THERE IS A LARGE AMOUNT OF DISCHARGE OF INDUSTRIAL EFFLUENT AND COOLING WATER
- ENVIRONMENT DEPARTMENT HAS STARTED PROGRAMME OF COMPLIANCE TO STANDARDS
- RECYCLE OF TREATED PROCESS WASTEWATER TO GROW A GREEN BELT IN MESSAI'EED

## 8. INSTITUTIONAL FRAMEWORK IN QATAR :



A CLOSE COOPERATION OF THE THREE  
NODAL DEPARTMENTS NEEDS TO CONTINUE









السكان ونسبتهم حسب البلدية  
مارس / ١٩٨٦ - مارس / ١٩٩٧  
POPULATION AND PERCENTAGE DISTRIBUTION BY MUNICIPALITY  
MARCH 1986 - MARCH 1997

TABLE (5)

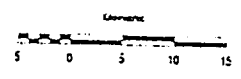
جدول رقم (٥)

Municipality	مارس / ١٩٩٧ م		مارس / ١٩٨٦ م		البلدية
	March / 1997	عدد	March / 1986	عدد	
	%	Number	%	Number	
Doha	50.6	264009	58.9	217294	الدوحة
AL Rayyan	32.5	169774	24.9	91996	الريان
AL Wakra	4.7	24283	4.7	17245	الوكرة
Umm Slal	3.5	18392	3.0	11161	أم صلال
AL Khor	3.4	17793	2.4	8993	الخور
AL Shamal	0.8	4059	1.2	4380	الشمال
AL Ghuwairiya	0.3	1716	0.4	1629	الغويرية
AL Jemaliya	1.9	9836	2.0	7217	الجميلية
Jaryan AL batna	0.9	4521	0.7	2727	جريان الباطنة
Mesaieed	1.5	7640	1.7	6437	مسيعد
Total	100.0	522023	100.0	369079	المجموع

LEGEND الافتاح

-  كثافة قصوى  
Extremely high density
-  كثافة عالية جدا  
Very high density
-  كثافة عالية  
High density
-  كثافة متوسطة عالية  
Moderately high density
-  كثافة متوسطة  
Moderate density
-  كثافة منخفضة  
Low density
-  كثافة منخفضة جدا  
Very low density
-  كثافة منخفضة حادة  
Extremely low density

ARABIAN GULF



المصدر: المجلة الإحصائية السنوية ١٩٨٦  
 Source: Annual Statistical Abstract - 1986  
 مخرقة: المخرقة على أساس ١٩٨٦  
 Note: Based on 1986 Census

