

NILE DELTA

THE NILE DELTA SHORELINE EXTENDS FOR 240 KM FROM ALEXANDRIA TO THE WEST TO PORT SAID TO THE EAST AND HOSTS THE FOLLOWING:.

- 50% OF THE EGYPTIAN POPULATION
- 40 % OF THE INDUSTRIAL CAPACITY
- MOST OF AGRICULTURAL AND FISH PRODUCTION
- HISTORICAL SITES
- UNIQUE ECOSYSTEMS



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EGYPT'S SECOND NATIONAL COMMUNICATION (COVERED BY DR. IBRAHIM EL-SHINNAWY)

CONSERVATION OF MEDITERRANEAN WETLANDS

CONSERVATION OF MIGRATORY SOARING BIRDS

LAKE MANZALA ENGINEERED WETLANDS

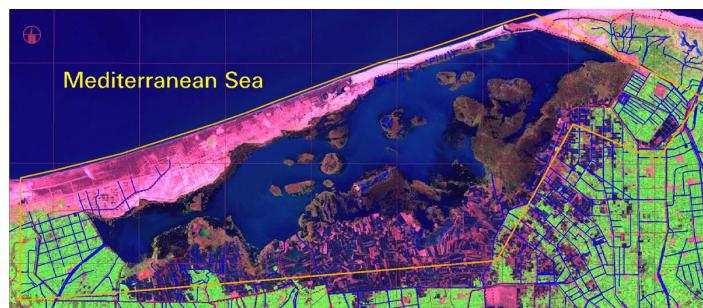
INVESTIGATION OF RASHID REVETMENT

ADAPTATION OF NILE DELTA TO CLIMATE CHANGE



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- DECLARED PROTECTED AREA IN 1998
- DECLARED AS RAMSAR SITE AS IT FALLS ON THE FLYWAY OF MIGRATORY BIRDS
- TOTAL AREA OF 70,000 HA
- SUPPORTS A COMMUNITY OF ABOUT 50,000 FISHERMEN AND THEIR FAMILIES
- FISH PRODUCTION IS ESTIMATED AT 50,000 TONNES/YEAR
- RECEIVES APPROX 3.9 BILLION M3/YEAR OF DRAINAGE WATER



LAKE BURULUS



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INTERVENTIONS INCLUDE:

- PROJECT MANAGEMENT PLAN DEVELOPMENT AND IMPLEMENTATION
- ESTABLISHMENT OF LAKE PROJECT BOARD
- EMPOWERMENT OF LOCAL FISHERMEN COMMUNITY AND REMOVAL OF ILLEGAL FISH FARMS
- REDUCE POLLUTION LOAD TO THE LAKE
- TRAINING ON ALTERNATIVE INCOME GENERATION ACTIVITIES
- BETTER INTERNAL CIRCULATION OF WATER INSIDE THE LAKE



LAKE MANZALA—UNDP INTERVENTIONS



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- TOTAL AREA OF 90,000 HA
- SUPPORTS A COMMUNITY OF ABOUT 30,000 FISHERMEN AND THEIR FAMILIES
- FISH PRODUCTION IS ESTIMATED AT TONNES/YEAR
- RECEIVES APPROX 3.7 BILLION M3/YEAR OF DRAINAGE WATER





RASHID REVETMENT – UNDP INTERVENTIONS



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ROSETTA SEA REVETMENT
LENGTH: 5 KM
BUILT IN 1990
PROTECT RASHID TOWN
RUBBLE MOUND
CONSTRUCTION WITH DOLOSSE
ARMOR LAYER

EU/UNDP JOINT
INVESTIGATION OF THE
STABILITY OF THE RASHID
REVETMENT TO VERIFY IMPACT
OF CC ON THE SEA REVETMENT
AND RECOMMEND CORRECTIVE
MEASURES



ADAPTATION OF NILE DELTA TO CC – UNDP INTERVENTIONS



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THE PROJECT OBJECTIVE IS TO INTEGRATE THE MANAGEMENT
OF SLR RISKS INTO THE DEVELOPMENT OF EGYPT'S LOW
ELEVATION COASTAL ZONE (LEcz) IN THE NILE DELTA
THROUGH THE FOLLOWING:

- ENHANCED CAPACITY TO IMPROVE RESILIENCE OF
COASTAL SETTLEMENTS AND DEVELOPMENT
INFRASTRUCTURE IS STRENGTHENED
- INNOVATIVE AND ENVIRONMENTALLY-FRIENDLY COASTAL
ZONE ADAPTATION MEASURES ENFORCED IN THE
FRAMEWORK OF NILE DELTA ICZM



RECOMMENDATIONS



FURTHER ACTION

- DEVELOP AN INTEGRATED COASTAL ZONE MANAGEMENT PLAN FOR THE NILE DELTA COAST
 - REVISE MANDATE OF DIFFERENT INSTITUTIONS CONCERNED WITH COASTAL ZONE
 - ENFORCE INTEGRATED COASTAL ZONE MANAGEMENT PLANNING AND INSTITUTIONALIZE APPROVAL OF COASTAL ZONE INTERVENTIONS THROUGH A NATIONAL COMMITTEE INCLUDING ALL PARTNERS
 - INVESTIGATE AND TEST INNOVATIVE TECHNIQUES FOR COASTAL ZONE PROTECTION

EXCHANGE OF KNOWLEDGE:

- REVIEW BEST PRACTICES AND UPSCALE SUCCESSFUL INITIATIVES
- DETERMINE THE MAXIMUM SEA DEFENSE CAPACITY OF NATURAL ECOSYSTEMS AND MANMADE STRUCTURES IN THE NILE DELTA IN RESISTING EXPECTED SEA LEVEL RISE