

Preface

Introduction - How to use the Toolkit
 MPAs of the Western Indian Ocean - maps
 MPAs of the Western Indian Ocean - list of details
 Addresses and contact details for WIO MPAs
 Global and regional conventions and initiatives
 Using the Internet
 Obtaining further information
 Acknowledgements

PART 1. THE MANAGEMENT PROCESS

A LEGISLATIVE & INSTITUTIONAL FRAMEWORK

A1 Types and categories of MPAs
 A2 MPA goals and objectives
 A3 Organisational structures
 A4 Legislation
 A5 Integrated coastal management
 A6 Environmental impact assessment

B PARTICIPATORY PROCESSES

B1 Participatory techniques
 B2 Conflict resolution
 B3 Gender and MPAs
 B4 Local and traditional knowledge

C PLANNING AND REPORTING

C1 Mapping and surveying
 C2 MPA design and zonation
 C3 Management plans
 C4 Logical framework approach
 C5 Progress and donor reports

D HUMAN RESOURCES

D1 Personnel
 D2 Consultants and experts
 D3 Partnerships and volunteers
 D4 Safety and emergency procedures

E FINANCES

E1 Financial planning
 E2 Financial management
 E3 User fees and direct revenue
 E4 Environmental trust funds
 E5 Donor proposals
 E6 Economic valuation

F EQUIPMENT AND INFRASTRUCTURE

F1 MPA buildings
 F2 Energy sources
 F3 The MPA office
 F4 Equipment purchase and maintenance
 F5 Boats and engines
 F6 Vehicles
 F7 Radio and telecommunication
 F8 SCUBA and snorkelling equipment
 F9 Moorings and buoys

G MONITORING, EVALUATION AND RESEARCH

G1 Monitoring and evaluation principles
 G2 Compliance and enforcement
 G3 Monitoring coral reefs
 G4 Monitoring mangroves and seagrasses
 G5 Monitoring physical conditions
 G6 Socio-economic monitoring
 G7 Fisheries monitoring
 G8 Information management
 G9 Assessing management success
 G10 Evaluations and reviews
 G11 Research

PART 2. CONSERVATION AND SUSTAINABLE USE

H HABITATS AND SPECIES

H1 Threatened marine species
 H2 Marine turtles
 H3 Seabirds and shorebirds
 H4 Marine mammals
 H5 Biodiversity and ecosystem health
 H6 Coral reef rehabilitation
 H7 Coral bleaching
 H8 Crown-of-thorns outbreaks
 H9 Mangrove restoration
 H10 Red tides and harmful algal blooms
 H11 Diseases of marine organisms

I FISHERIES

I1 No-take areas
 I2 Managing fishing gears
 I3 Mariculture
 I4 Fish Aggregating Devices (FADs)
 I5 Shark and ray fisheries
 I6 Octopus and sea cucumber fisheries
 I7 Sport and recreational fishing
 I8 Marine organisms for aquaria
 I9 Marine curios

J TOURISM, RECREATION AND EDUCATION

J1 Tourism policy and planning
 J2 Visitors and carrying capacity
 J3 Publicity materials and promotion
 J4 Educational activities
 J5 Visitor centres
 J6 Visiting the reef
 J7 Artificial reefs
 J8 Visiting the mangroves

K COASTAL DEVELOPMENT AND SHIPPING

K1 Coastal engineering
 K2 Nutrient and sewage pollution
 K3 Oil spills
 K4 Solid waste disposal
 K5 Alien invasive species