



TEMPLATE FOR THE SUBMISSION OF NATIONAL REPORTS

GENERAL INFORMATION

Signatory/Range State: FRANCE/Mayotte
Which agency or institution has been primarily responsible for the preparation of this report? French Ministry of Ecology French National Hunting and Wildlife Agency (Office National de la Chasse et de la Faune Sauvage) Sarah Caceres and Claire Pusineri
List any other agencies, institutions, or NGOs that have provided input: Department of Agriculture and Forestry (Direction de l'Agriculture et de la Forêt)
Memorandum in effect in Signatory State since (dd/mm/yyyy): 31 st October 2007
Date of report being submitted: (dd/mm/yyyy): September 2010
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INSTRUCTIONS FOR COMPLETION:

The purpose of completing the national report is to provide information on your country's implementation of the Dugong MoU including, as far as possible, contributions of cooperating non-governmental partners. For each main objective and its associated sub-objectives, you are required to rate an order of priority (High, Medium or Low) from a national as well as sub-regional perspective. This information will allow us to collate regional and global priorities for conservation and management actions. It will also give an indication of what has been done already (helping to avoid duplication of effort); what is generally not being done (gaps that need to be addressed); and what interventions or specific assistance may be required?

The reporting template is divided into these nine main objectives, and asks specific questions in relation to the activities that need to be carried out to fulfil those objectives.

To check the boxes, bring cursor to the middle of the check box and double click with left mouse button on the box field, select default value "checked" and "ok".

Text boxes can be expanded to accommodate longer answers or to explain and provide additional information, beyond what is requested. Details of future plans are especially encouraged. Wherever possible, please try to indicate the source of information used to answer a particular question, if a published reference is available. Remember that you are sharing information with other countries about your progress, so that it may be of benefit to them.

Implementation will be assessed in terms of the nine objectives of the Conservation and Management Plan (CMP). A process for self-assessment of effectiveness and completeness of actions undertaken – intended to stimulate reflection within a given Signatory State/Party on what more could or should be done in relation to a particular activity will be the basis for a workshop to be held in association with the First Official Signatory State Meeting on 4-6 October 2010 in Abu Dhabi.

Please submit the completed report to the UNEP/CMS Office – Abu Dhabi by email (CmsOffice.ae@cms.int) as a Word attachment. Feel free to attach additional material (published reports, maps, etc.) to this template and send them separately by e-mail or by post.

OBJECTIVE 1: REDUCE DIRECT AND INDIRECT CAUSES OF DUGONG MORTALITY

1.1 Threats facing dugong population

What has your country done to identify, assess and evaluate the threats to dugong populations? What kind of measures has your country developed to address these threats? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable | |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-----------|-------------|------------|-------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Established baseline data collection and monitoring programmes to gather information on the nature and magnitude of threats |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Regularly updated existing data on threats to dugong populations and their habitats |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Determined those populations affected by traditional subsistence and customary use, incidental capture in fisheries, and other sources of mortality |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Conducted socio-economic studies among communities that interact with dugongs and their habitats |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Implemented programmes to correct adverse social and economic incentives that threaten dugong populations |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Facilitated the development of means of subsistence to minimise resultant adverse social and economic impacts |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Enacted, where not already in place, legislation and prohibited the direct use (capture or killing) of, and domestic trade in, dugongs their parts or products, whilst allowed exceptions for traditional subsistence or customary use |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | Established management programmes to enforce such legislation |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | Negotiated, where appropriate, management agreements in consultation with other concerned States |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | Identified resources and sources of funding for the above programmes |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | Other, please describe: |

** Free text field for a specific description on actions implemented:*

There use to be an abundant dugong population in Mayotte. Its decline started in the 70s mainly because of overexploitation for meat consumption. Nowadays the population is highly depleted (no more than 10 individuals remains in the lagoon). The species is now protected. Poaching does not seem to occur anymore and the main contemporary threat seems to be bycatch in the traditional net fishery.

In Mayotte, several measures already exist to prevent threats to dugongs:

- The dugong has been protected by law in French territories (including Mayotte island) since 1995.
- Net use is restricted
- Mayotte’s marine protected area was created in january 2010 (almost 70 000 km² around Mayotte island).
- Several awareness campaigns have been conducted these last years (media, school, village, poster campaign).
- A national action plan for dugong is planned in the coming years.

Rate Objective 1.1 as a National priority: High Medium Low

Rate Objective 1.1 as a Regional priority: High Medium Low

1.2 Dugong mortality in fishing activities

What has your country done in order to reduce, to the greatest extent practicable, the incidental capture and mortality of dugong in the course of fishing activities? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|---|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed and used gear, devices and techniques to minimise incidental capture of dugongs in artisanal and commercial fisheries, such as the use of alternative gears and spatial closures or limit or control the use of gears known to be harmful to dugongs throughout the range of dugong | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed procedures and extension programmes to promote implementation of these measures | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Exchanged information and, upon request, provide technical assistance to together Signatory and cooperating States to promote these activities | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Liaised and coordinated with fishing industries, fisheries management organisations and community groups to develop and implement these activities | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed and implemented net retention and recycling schemes to minimise the disposal of fishing gear at sea and on beaches | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Provided and ensured the use of onshore facilities for the disposal of ship-borne waste | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

** Free text field for a specific description on actions implemented:*

Bycatch in fishing nets is the main actual threat for the dugong in Mayotte. Several measures already exist to prevent dugong mortality in fishing activities:

- Net use has been restricted in Mayotte since 1997. Since 2004, according to this local law: nets are forbidden on coral reefs, seagrass beds and mangroves; mesh size should not be larger than 6cm, net should be maximum 300m large and drift nets are forbidden. Unfortunately this legislation is poorly enforced.
- Mayotte's marine protected area was created in january 2010 (almost 70 000 km² around Mayotte island).
- A national action plan for dugong is planned.

Rate Objective 1.2 as a National priority: High Medium Low

Rate Objective 1.2 as a Regional priority: High Medium Low

1.3 Dugong mortality due to human activities

What has your country done in order to reduce, to the greatest extent practicable, the incidental mortality of dugongs arising from other anthropogenic activities? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|---|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Assessed the level, location and impact of anthropogenic impacts on dugongs at ecologically relevant scales | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Reduced, as much as possible, all other human impacts on dugongs and their habitats in areas that sustain subsistence and customary use | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Established appropriate management programmes to ensure that anthropogenic impacts are | | | |

addressed, taking account of the temporal and spatial variability of dugong reproductive rates and other impacts on the species in a precautionary manner

Other, please describe:

** Free text field for a specific description on actions implemented:*

Other contemporary threats may exist such as: collision with motor boats, seagrass beds degradation, acoustic pollution and increase of pollutant concentrations in coastal waters. But currently they are poorly documented and far less important than bycatch.

Several measures already exist to prevent these to dugongs:

- Mayotte's marine protected area was created in January 2010 (almost 70 000 km² around Mayotte island).
- A national action plan for dugong is planned.

Rate Objective 1.3 as a National priority: High Medium Low

Rate Objective 1.3 as a Regional priority: High Medium Low

1.4 Illegal take of dugong

What has your country done in order to reduce, to the greatest extent practicable, the illegal take of dugong? Please check box when applicable and provide a specific description on the free text field* below.

P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable

Assessed the level, location and impacts of the illegal take of dugongs

Established appropriate management programmes to ensure that the illegal take of dugongs is addressed

Other, please describe:

** Free text field for a specific description on actions implemented:*

The dugong has been protected by law in French territories (except New-Caledonia, including Mayotte island) since 1995 and in the last ten years, no deliberate catch were recorded in Mayotte. However bycatch in fishings nets still exist (cf.§.1.2 Dugong mortality in fishing activities") and in these cases, animals are always kept for meat consumption.

Rate Objective 1.4 as a National priority: High Medium Low

Rate Objective 1.4 as a Regional priority: High Medium Low

1.5 Sustainable dugong use

What has your country done in order to ensure that subsistence and customary use of dugong is sustainable (in areas where it is permitted)? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Assessed the level, location and impact of subsistence and customary use on dugongs at ecologically relevant scales |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Reduced as much as possible all other human impacts on dugongs and their habitats in areas that sustain subsistence and customary use |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Determined the cultural and subsistence values and uses of dugongs (both consumptive and non-consumptive) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Established culturally appropriate management programmes to ensure that subsistence and customary use is sustainable, taking account of the temporal and spatial variability of dugong reproductive rates and other impacts on the species in a precautionary manner |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ensured that such programmes do not have adverse unintended consequences (e.g. increase use of other threatened species such as marine turtles) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Considered the development of alternative means of subsistence in areas where the subsistence and customary use of dugong is permitted to alleviate adverse social and cultural impacts |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Negotiated, where appropriate, management agreements on the sustainable level of subsistence and customary use (where it is permitted), in consultation with other concerned States, to ensure that such use does not undermine conservation efforts |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ensured that the management of other species (including fisheries) does not have adverse unintended consequences on the subsistence and customary use of dugongs where it is permitted |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: |
-

* Free text field for a specific description on actions implemented:

Subsistence and customary use of dugong is forbidden since 1995.

Rate Objective 1.5 as a National priority: High Medium Low

Rate Objective 1.5 as a Regional priority: High Medium Low

OBJECTIVE 2: IMPROVE UNDERSTANDING THROUGH RESEARCH AND MONITORING

2.1 Dugong populations and habitats

What has your country done so as to determine the distribution and abundance of dugong populations to provide a base for future conservation efforts and actions? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|--------------------------|--------------------------|---|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Conducted baseline studies or gather secondary information on dugong populations using cost effective techniques where possible, including community-based monitoring | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

** Free text field for a specific description on measures developed:*

Three methods were used:

- Strip transect aerial surveys (between 2006 and 2008);
- Collection of opportunistic observations (between 2002 and 2009);
- Interviews survey conducted on willing fishermen (2007).

The results suggested that dugongs now mainly occur in the eastern portion of the lagoon of Mayotte and in particular in 3 major areas. And no more than 10 individuals remains in the lagoon.

Rate Objective 2.1 as a National priority: High Medium Low

Rate Objective 2.1 as a Regional priority: High Medium Low

2.2 Dugong research

What has your country done to conduct research and monitoring into dugong? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|---|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Initiated and/or continued long-term monitoring of priority dugong populations at appropriate spatial scales | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified migratory routes through the use of techniques such as genetic studies and/or satellite tracking where appropriate | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Carried out studies on dugong population dynamics and survival rates | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Promoted the use of traditional ecological knowledge in research and management studies, where possible | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Involved local communities in research and monitoring programmes with training as required | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Reviewed periodically and evaluated research and monitoring activities | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and included priority research and monitoring needs in regional and sub-regional action plans | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Conducted collaborative studies and monitoring of genetic identity, conservation status, migrations, and other biological and ecological aspects of dugongs | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

** Free text field for a specific description on actions implemented:*

A national action plan for dugong in Mayotte is planned, which will cover protection /conservation; study / research; communication / education.

Rate Objective 2.2 as a National priority: High Medium Low

Rate Objective 2.2 as a Regional priority: High Medium Low

2.3 Data collection and analysing

What has your country done in order to collect and analyse data that supports the identification of sources of mortality, the mitigation of threats, and improved approaches to dugong conservation practices? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--|-------------|------------|-------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Identified and prioritised populations for conservation actions | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Identified population trends using local information where appropriate | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Used research results to improve management, mitigate threats and assess the efficacy of conservation activities (e.g. habitat loss) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Involved local communities in research and monitoring programmes with training as required | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed and harmonised data collection and analysis protocols | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Where appropriate, developed and harmonised the reporting format that can be used for informing decision-making (local, national and regional) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

* Free text field for a specific description on actions implemented

Cf free text 2.1 "Dugong populations and habitats"

Rate Objective 2.3 as a National priority: High Medium Low

Rate Objective 2.3 as a Regional priority: High Medium Low

OBJECTIVE 3: PROTECT, CONSERVE AND MANAGE HABITATS FOR DUGONG

3.1 Dugong habitat mapping

What kind of actions has your country implemented in terms of identifying and mapping areas of important dugong habitat? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Identified and mapped areas of critical habitat such as seagrass beds and migratory corridors, using rapid assessment technique where appropriate
- Other, please describe:

** Free text field for a specific description on actions implemented:*

The results of studies suggested that:

- Seagrass beds stretch over 7.6km²;
- Dugongs now mainly occur in the eastern portion of the lagoon of Mayotte and in particular in 3 major areas.

Studying the regional movements of the species and monitor local dugong habitat through a better monitoring of seagrass beds may be main objective of the national action plan for dugong.

Rate Objective 3.1 as a National priority: High Medium Low

Rate Objective 3.1 as a Regional priority: High Medium Low

3.2 Protect dugong habitats

What has your country done to establish necessary measures in order to protect and conserve dugong habitats? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Designated and managed protected/conservation areas, sanctuaries or temporary exclusion zones in areas of critical habitat, or took other measures (e.g. modification of fishing gear, banning destructive fishing practices, restrictions on vessel traffic) to remove threats to such areas and involving the local community as much as possible
- Considered protecting dugong habitats as part of ecosystem based management (e.g. networks of marine protected areas)
- Developed incentives for adequate protection of areas of critical habitat outside protected areas
- Assessed the environmental impact of marine and coastal development and other human activities on dugong populations and their habitats
- Monitored and promoted the protection of water quality from land-based and maritime pollution, including marine debris, which may adversely affect dugongs and their habitats
- Strengthened the application of existing bans on the use of poisonous chemicals and explosives in the exploitation of marine resources
- Other, please describe:

** Free text field for a specific description on measures developed:*

The entire lagoon of Mayotte is included in a marine protected area, since 2010.
A national action plan for dugong is planned.

Rate Objective 3.2 as a National priority: High Medium Low

Rate Objective 3.2 as a Regional priority: High Medium Low

3.3 Actions to address habitat loss

What has your country done to assess the risk of the degradation of dugong habitats? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--|-------------|------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and enhanced recovery of degraded seagrass habitats used by dugongs | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and enhanced recovery of degraded mangrove and coral reef habitats used by dugong | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Undertook measures to restore degraded habitats | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

* Free text field for a specific description on measures developed:

The entire lagoon of Mayotte is included in a marine protected area, since 2010.
A national action plan for dugong is planned

Rate Objective 3.3 as a National priority: High Medium Low

Rate Objective 3.3 as a Regional priority: High Medium Low

3.4 Degraded dugong habitats

What has your country done concerning degraded dugong habitats? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|--------------------------|--------------------------|-------------------------------------|--------------------------|---|-------------|------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and undertook measures, where appropriate, to enhance recovery of degraded seagrass habitats used by dugon | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

* Free text field for a specific description on actions taken:

The entire lagoon of Mayotte is included in a marine protected area, since 2010.
A national action plan for dugong is planned.

Rate Objective 3.4 as a National priority: High Medium Low

Rate Objective 3.4 as a Regional priority: High Medium Low

OBJECTIVE 4: IMPROVE UNDERSTANDING OF DUGONG HABITATS THROUGH RESEARCH AND MONITORING

4.1 Research of habitats

What has your country done with regards to conducting research into and monitoring of important dugong habitats? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Conducted baseline studies or gathered secondary information on dugong habitats using cost effective techniques where possible, including community-based monitoring |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Initiated and/or continued long-term monitoring of priority dugong habitats |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Promoted the use of traditional ecological knowledge in research and management studies, where possible |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Involved local communities in research and monitoring programmes with training as required |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Reviewed periodically and evaluate research and monitoring activities |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and include priority research and monitoring needs in regional and sub-regional action plans |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: |

* Free text field for a specific description on actions taken:

The entire lagoon of Mayotte is included in a marine protected area, since 2010.
A national action plan for dugong is planned.

Rate Objective 4.1 as a National priority: High Medium Low

Rate Objective 4.1 as a Regional priority: High Medium Low

OBJECTIVE 5: RAISE AWARENESS OF DUGONG CONSERVATION

5.1 Information programmes

What has your country done with regards to establishing education, awareness and information programmes? Please check box when applicable and provide a specific description on the free text field*

below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Collected, developed, co-ordinated and disseminated education materials (e.g. dedicated regional website) | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Identified key persons/champions to help disseminate messages about the need to conserve dugongs and their habitats | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Established community learning/information centres | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed and implemented mass media information programmes | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Developed and conducted focused education and awareness programmes for target groups (e.g. policy makers, teachers, schools, fishing communities, subsistence and customary users, media) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Encouraged the incorporation of dugong biology and conservation issues into school curricula | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Organised special events related to dugong conservation and biology (e.g. Dugong Day, Year of the Dugong, symposia, community education workshops) | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Promoted public participation in conservation activities | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Involved stakeholders, including key policymakers, subsistence and customary users, and local communities in particular, in planning and implementation of conservation and management measures | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Encouraged the participation of government institutions, intergovernmental governmental organisations, the private sector and the general community (e.g. students, volunteers, fishing communities, local communities) in research, conservation and management efforts | | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Implemented, where appropriate, incentive schemes to encourage public participation (e.g. T-shirts, public acknowledgement and certificates) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

** Free text field for a specific description on actions taken:*

Several awareness campaigns have been conducted these last years (media, school, village, poster campaign).

Rate Objective 5.1 as a National priority: High Medium Low

Rate Objective 5.1 as a Regional priority: High Medium Low

5.2 Encourage local community participation

What has your country done with regards to encouraging local communities to actively participate in conservation efforts? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--|-------------|------------|-------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Identified, developed and facilitated alternative programmes (including means of | | | |

subsistence and incentives) that are not detrimental to dugongs and their habitats, in consultation with local communities and other stakeholders

Other, please describe:

** Free text field for a specific description on actions taken:*

One of the main objective of the marine protected area is to protect natural environment through education program.

Rate Objective 5.2 as a National priority: High Medium Low

Rate Objective 5.2 as a Regional priority: High Medium Low

OBJECTIVE 6: ENHANCE NATIONAL, REGIONAL AND INTERNATIONAL COOPERATION

6.1 Combat illegal trade

What has your country done in order to collaborate with and assist Signatory and non-Signatory States to combat illegal international and domestic trade? What kind of measures have been developed to cooperate in enforcement activities relating to dugong products? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | |
|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Encouraged Signatory States, that have not already done so, to become Parties to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Reviewed at a national level, compliance with obligations under CITES relating to illegal international trade in dugong parts or products |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Facilitated better compliance with CITES through training of relevant authorities in cooperation with other Signatory States, the CITES Secretariat and other relevant organisations |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Identified routes of international illegal trade through monitoring, and sought cooperation to take action to prevent, deter and, where possible, eliminate it |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Exchanged and discussed information on compliance and illegal trade issues at regular intervals, such as through annual reporting to the MoU Secretariat and at meetings of the Signatory States |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Identified, prevented, deterred and, where possible, eliminated domestic illegal trade through monitoring, implementation of legislation, identification of gaps in enforcement capabilities in each country, and training of enforcement officers |

Other, please describe:

** Free text field for a specific description on actions implemented:*

Rate Objective 6.1 as a National priority: High Medium Low

Rate Objective 6.1 as a Regional priority: High Medium Low

6.2 Information exchange

What has your country done to develop and implement mechanisms for effective exchange of information? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--|-------------|------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified and strengthened existing mechanisms for cooperation at the regional and sub-regional level | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Developed a website and/or newsletter to facilitate networking and exchange of information | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | Developed a web-based information resource for dugong conservation (including data on populations, migration, on-going projects) based on IUCN website | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Regularly updated a directory of experts and organisations concerned with dugong conservation | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Developed networks for cooperative management of shared populations, within or across sub-regions, and where appropriate, formalise cooperative management arrangements | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Cooperated where possible in the establishment of transboundary marine protected areas using ecological rather than political boundaries | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | Developed a streamlined format for reporting and exchanging information (through the MoU Secretariat and among Signatory States) on the state of dugong conservation at the national level | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | Encouraged MoU signatory States that have not already done so to become Parties to the Convention on Migratory Species (CMS) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Encouraged Signatory States to become contracting parties to global fisheries agreements such as the UN Fish Stocks Agreement (1995) and the FAO Compliance Agreement (1993) and implemented the FAO Code of Conduct for Responsible Fisheries (1995) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Established relationships with regional fisheries bodies with a view to obtaining data on incidental capture and encouraged them to adopt dugong conservation measure within Exclusive Economic Zones (EEZ) and territorial waters | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Determined the most appropriate methods for information and expertise among nations, scientific institutions, non-governmental and international organisations, in order to develop and implement best practice approaches to conservation of dugongs and their habitats | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Exchanged at regular intervals scientific and technical information and expertise among nations, scientific institutions, non-governmental and international organisations, in order to develop and implement best practice approaches to conservation of dugongs and their habitats | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Disseminated traditional knowledge on dugongs, their habitats and traditional practices for conservation and management in a culturally appropriate manner | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Updated data on dugong populations of regional interest on a regular basis (e.g. country status reports) | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

* Free text field for a specific description on actions taken:

Rate Objective 6.2 as a National priority: High Medium Low

Rate Objective 6.2 as a Regional priority: High Medium Low

6.3 Improve coordination

What has your country done in order to improve coordination among government and non-government sectors and communities in the conservation of dugongs and their habitats? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--|-------------|------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Reviewed the roles and responsibilities of government agencies related to the conservation and management of dugongs and their habitats | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Designated a led agency responsible for coordinating national dugong conservation and management policy | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Identified non-governmental organisation with an interest in dugong conservation and management | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Encouraged cooperation within and among government and non-government sectors, including through the development and/or strengthening of national networks | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

* Free text field for a specific description on actions implemented:

The national action plan for Dugong in Mayotte has among others the objective of improving coordination

Rate Objective 6.3 as a National priority: High Medium Low

Rate Objective 6.3 as a Regional priority: High Medium Low

6.4 Database

In relation to dugong conservation and management, what has your country done to develop and implement a regional database of relevant information? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | P-Partial | C-Completed | PL-Planned | NA-Not Applicable |
|--------------------------|--------------------------|-------------------------------------|--------------------------|---|-------------|------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Collated and managed information relevant for dugong conservation and management in a regional database that is easily accessible to all interested parties | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: | | | |

** Free text field for a specific description on actions taken:*

A national action plan for dugong is planned.

Rate Objective 6.4 as a National priority: High Medium Low

Rate Objective 6.4 as a Regional priority: High Medium Low

OBJECTIVE 7: PROMOTE IMPLEMENTATION OF THE MOU

7.1 Encourage participation in the MoU

What has your country done to encourage all Range States to participate in the MoU and its conservation and management activities? Please check box when applicable and provide a specific description on the free text field* below.

- | P | C | PI | NA | |
|--------------------------|--------------------------|-------------------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | P-Partial C-Completed PL-Planned NA-Not Applicable |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Encouraged non-Signatory States to sign the MoU |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Arranged regional and sub-regional workshops involving non-Signatory States to raise awareness of the MoU |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Considered at the first meeting of the Signatory States the development of a timetable for regular review of implementation the MoU |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other, please describe: |

** Free text field for a specific description on actions taken:*

First and second point not yet realised

Rate Objective 7.1 as a National priority: High Medium Low

Rate Objective 7.1 as a Regional priority: High Medium Low

7.2 Support the Secretariat

What has your country done to support the Secretariat of the MoU to ensure the objectives of the Conservation and Management Plan are met? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Secured reliable sources of funding to support the MoU Secretariat
- Other, please describe:

Not yet carried out at national level

** Free text field for a specific description on actions taken:*

Rate Objective 7.2 as a National priority: High Medium Low

Rate Objective 7.2 as a Regional priority: High Medium Low

7.3 Seek resources

What kind of actions has your country taken to seek resources to support the implementation of the MoU? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Prioritised conservation and management activities for funding
- Explored funding options with governments and other donors such as the Asian Development Bank, World Bank, UNDP, European Union, UNEP, GEF, etc.
- Solicited funding and other contributions from industries that have impacts on dugongs and their habitats (e.g. fisheries, tourism, oil industry, real estate)
- Explored international funding support and other incentives for Signatory States that effectively manage populations
- Other, please describe:

** Free text field for a specific description on actions taken:*

Rate Objective 7.3 as a National priority: High Medium Low

Rate Objective 7.3 as a Regional priority: High Medium Low

7.4 Synergy with other conventions

What has your country done to create links and develop synergies with other relevant regional conservation conventions, MoUs and Agreements? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Identified, facilitated and explored links to other international, regional, sub-regional fora, conventions, agreements and MoUs
- Other, please describe:

** Free text field for a specific description on actions taken:*

Not yet done at national level

Rate Objective 7.4 as a National priority: High Medium Low

Rate Objective 7.4 as a Regional priority: High Medium Low

OBJECTIVE 8: IMPROVE LEGAL PROTECTION OF DUGONGS AND THEIR HABITATS

8.1 Incorporation into national legislation

What has your country done to encourage all Range States, and ensure Signatory States, to incorporate dugong and habitat conservation and protection measures into national legislation? Please check box when applicable and provide a specific description on the free text field* below.

- P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
- Encouraged MoU Signatory States, that have not already done so, to become Parties to the Convention on Migratory Species (CMS)
- Encouraged the establishment of legislation to protect dugongs and their habitats while recognising existing traditional management systems
- Reviewed domestic policies and laws to address gaps or impediments to dugong conservation
- Ensured corporate sanctions for harming dugongs or destroying habitat, trained law enforcement authorities, raised public awareness to boost surveillance for reporting of illegal activities
- Other, please describe:

** Free text field for a specific description on actions taken:*

Rate Objective 8.1 as a National priority: High Medium Low

Rate Objective 8.1 as a Regional priority: High Medium Low

8.2 Legal protection

What kind of measures your country has developed to review and, where necessary, strengthen legal protection for dugongs and their habitats? Please check box when applicable and provide a specific description on the free text field* below.

P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
 Cooperated in law enforcement to ensure compatible application of laws across and between jurisdictions (including through bilateral/multilateral agreements and intelligence sharing)

Other, please describe:

** Free text field for a specific description on measures developed:*

See answer in § 1.4
In progress: regulation protecting marine mammals will soon enhance legal protection of the species and its habitat

Rate Objective 8.2 as a National priority: High Medium Low

Rate Objective 8.2 as a Regional priority: High Medium Low

OBJECTIVE 9: ENHANCE NATIONAL, REGIONAL AND INTERNATIONAL COOPERATION ON CAPACITY BUILDING

9.1 Promote capacity building

What has your country done to promote capacity building at all levels to strengthen conservation measures? Please check box when applicable and provide a specific description on the free text field* below.

P C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable
 Identified needs for capacity-building in terms of human resources, knowledge and facilities

Provided training (e.g. through workshops) in conservation and management techniques for dugongs and their habitats to relevant agencies, individuals and local communities

Coordinated training programmes and workshops

- Developed partnerships with universities, research institutions, NGOs, training bodies and other relevant organisations to support capacity building initiatives
- Identified assess, develop and implement training programmes for local communities, NGOs, community-based organisations, media, enforcement officers, policy makers, law makers and decision makers
- Enhanced capacity at all levels to develop and undertake joint research programmes on dugong and their habitats
- Organised forums (local, national and regional as appropriate) with the involvement of all relevant stakeholders to enable knowledge sharing and capacity building
- Provided training on development, implementation and monitoring of community rehabilitation programmes
- Supported local communities and relevant national organisations with necessary basic equipment and facilities to enable protection, conservation and management of dugong and their habitats
- Other, please describe:

** Free text field for a specific description on actions taken:*

The national action plan for Dugong in Mayotte has among others the objective of promote capacity building

Rate Objective 9.1 as a National priority: High Medium Low

Rate Objective 9.1 as a Regional priority: High Medium Low

Other remarks

Please provide any comments/suggestions to improve the present reporting format.

Comments will be presented during the meeting

Provide additional information not covered above:

France has produced a separate report for New-Caledonia
When priority rate has been checked, regional priority corresponds to the priority for Mayotte.