## **UNEP/CMS OFFICE**

Abu Dhabi, United Arab Emirates

#### TEMPLATE FOR THE SUBMISSION OF NATIONAL REPORTS

#### **GENERAL INFORMATION**

Signatory State: REPUBLIC OF PALAU

Which agency or institution has been primarily responsible for the preparation of this report? Palau Vulnerable Marine Species Program (PVMSP), Bureau of Marine Resources, Ministry of Resources, Environment & Tourism

List any other agencies, institutions, or NGOs that have provided input:

Bureau of Marine Resources

Memorandum in effect in Signatory State since (dd/mm/yyyy):

Memorandum of Understanding not yet

This report was last modified: (dd/mm/yyyy):

10 September 2010

Designated Focal Point (and full contact details):

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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 a 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.

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 (<a href="mailto:cmsOffice.ae@cms.int">cmsOffice.ae@cms.int</a>) 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.

Р	С	PΙ	NA	P-Partial C-Completed PL-Planned NA-Not Applicable
$\boxtimes$				Established baseline data collection and monitoring programmes to gather information on
				the nature and magnitude of threats
$\boxtimes$				Regularly updated existing data on threats to dugong populations and their habitats
				Determined those populations affected by traditional subsistence and customary use,
				incidental capture in fisheries, and other sources of mortality
$\boxtimes$				Conducted socio-economic studies among communities that interact with dugongs and their
				habitats
$\boxtimes$				Implemented programmes to correct adverse social and economic incentives that threaten
				dugong populations
$\boxtimes$				Facilitated the development of means of subsistence to minimise resultant adverse social
				and economic impacts
	$\boxtimes$			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
	$\boxtimes$			Established management programmes to enforce such legislation
	$\boxtimes$			Negotiated, where appropriate, management agreements in consultation with other
				concerned States
		$\boxtimes$		Identified resources and sources of funding for the above programmes
				Other, please describe:

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

Palau has established a baseline data collection and monitoring program to gather information on the nature and magnitude of dugong population thread, distribution, population, direct harvest, impact of fisheries, impact of development, and other cause of thread. Palau partially conducts a study among community interaction with dugong and their habitat. In addition to this

"The Minister shall promulgate regulations requiring any entity proposing new development to include an Environmental Impact Statement considering the potential impact of such development on dugongs and their habitats. Those regulations shall include a checklist of issues that proponents must address. The Minister or the Environmental Quality Protection Board can deny a permit or require appropriate mitigation measures if there could be harm to a dugong habitat by any construction. An act is already in place, legislation and prohibited the direct use, capture or killing."Republic of Palau Public Law No. 6-28 (a)... No person shall take, possess, export, or otherwise have under his or her control any dugong or any part or product thereof, except as provided for in subsections (b) and (c). The Minister may promulgate regulations making lawful the possession of existing *olecholl* bracelets under specified circumstances, holding a 90-day period for registration of existing *olecholl* bracelets. Circumstances under which possession of an *olecholl* bracelet existing on the effective date of this subsection may be permitted by the Minister include, without limitation, if the *olecholl* bracelet is clan or family property, is of general historical significance, or is

customarily worn by the holder of a traditional title. Regulations shall provide for the photographing of existing olecholl bracelets and, if necessary, other reliable means of identifying registered dugong products existing on the effective date of this subsection. Beginning on the 91st day after the effective date of this subsection, unregistered olecholl bracelets shall be presumed to result from an unlawful taking of a dugong. No person shall sell, purchase, or offer for sale or purchase any dugong or any part or product thereof. RPPL 6-28 Section 1233 (b) and (c) (b) and (c). The Minister may promulgate regulations making lawful the possession of existing *olecholl* bracelets under specified circumstances, holding a 90-day period for registration of existing olecholl bracelets. Circumstances under which possession of an olecholl bracelet existing on the effective date of this subsection may be permitted by the Minister include, without limitation, if the *olecholl* bracelet is clan or family property, is of general historical significance, or is customarily worn by the holder of a traditional title. Regulations shall provide for the photographing of existing olecholl bracelets and, if necessary, other reliable means of identifying registered dugong products existing on the effective date of this subsection. Beginning on the 91st day after the effective date of this subsection, unregistered olecholl bracelets shall be presumed to result from an unlawful taking of a dugong. No person shall sell, purchase, or offer for sale or purchase any dugong or any part or product thereof. Rate Objective 1.1 as a National 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.

Р	С	PΙ	NA	P-Partial C-Completed PL-Planned NA-Not Applicable
				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
				Developed procedures and extension programmes to promote implementation of these measures
$\boxtimes$				Exchanged information and, upon request, provide technical assistance to together Signatory and cooperating States to promote these activities
				Liaised and coordinated with fishing industries, fisheries management organisations and community groups to develop and implement these activities
		$\boxtimes$		Developed and implemented net retention and recycling schemes to minimise the disposal of fishing gear at sea and on beaches
		$\boxtimes$		Provided and ensured the use of onshore facilities for the disposal of ship-borne waste
				Other, please describe:

<sup>\*</sup> Free text field for a specific description on actions implemented:

Palau has minimum impact of incidental capture of dugongs in artisan and commercial fisheries such as use of gears known to be harmful through dugong range including trawlers, purse seine and floating Gill nets within 12 nautical miles from the reef. However local fishermen are aware of the penalties imposed on capture and/or killing of the dugongs. On one hand, Palau has a plan to coordinate and provide and exchange of information with other signatory states while on the other, Palau has a plan to implement and regulate disposal of used nets and other fishing gears in onshore facilities.

	Rate Ob	ojective 1.2 as a National priority: High ⊠ Medium □ Low □							
1.3	1.3 Dugong mortality due to human activities								
	of dugo	as your country done in order to reduce, to the greatest extent practicable, the incidental mortality ongs arising from other anthropogenic activities? Please check box when applicable and provide a description on the free text field* below.							
P C		P-Partial C-Completed PL-Planned NA-Not Applicable Assessed the level, location and impact of anthropogenic impacts on dugongs at ecologically relevant scales Reduced, as much as possible, all other human impacts on dugongs and their habitats in areas that sustain subsistence and customary use 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: Palau has established a program to collect a data of impact and anthropogenic impact of temporal and spatial variability of dugong reproductive rates and other impact such as degradation of sediment to the lagoon where they bread and race their young.							
	Rate Ob	ojective 1.3 as a National priority: High ⊠ Medium □ Low □							
1.4	Illegal	take of dugong							
		has your country done in order to reduce, to the greatest extent practicable, the illegal take of Please check box when applicable and provide a specific description on the free text field*							
P C		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 f	ield for a specific description on actions implemented:	
dug 1.2 sub Sec of I and or o and Rec con	sect section Educ the the tits sulta	Palar of du is ac	u Nat gong Idress Palau 1232 2. Ph n, sha eral p on of atence r, The deve	tional has established a program to collect data and monitor the impact of illegal s and establishment of management program to ensure that the illegal taking of	
				tive 1.4 as a National priority: High 🛛 Medium 🗌 Low 🗍	
1.5			-	ble 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	P-Partial C-Completed PL-Planned NA-Not Applicable Assessed the level, location and impact of subsistence and customary use on dugongs at ecologically relevant scales	
$\boxtimes$				Reduced as much as possible all other human impacts on dugongs and their habitats in areas that sustain subsistence and customary use	
				Determined the cultural and subsistence values and uses of dugongs (both consumptive and non-consumptive)	
				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	
				Ensured that such programmes do not have adverse unintended consequences (e.g. increase use of other threatened species such as marine turtles)	
				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	
				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	
				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	
				Other, please describe:	

* Free text field for a specific description on actions implemented:	1
.3 Palau National has established a program to collect data and monitor the impact of illegal ake of dugongs and establishment of management program to ensure that the illegal taking of ugong is addressed.	
.4 24 Palau National Code Subchapter IV is further amended by the addition of new absections 1232and 1233, to read as follows:	
ection 1232. Public education about dugongs. The Minister, in conjunction with the Minister f Education, shall promulgate regulations establishing educational programs for Palauan citizens nd the general public about the dugong, its characteristics and habits, the impact of habitat loss r degradation on the survival of the species, the importance of the dugong in Palauan culture,	
nd its threatened status. Nongovernmental organizations such as the Palau International Coral deef Center, The Nature Conservancy, and the Marine Resource Pacific Consortium shall be onsulted in developing educational programs.	
Although the eating of dugong is part of Palau's culture, such has now been abolished due to the ocal's understanding that this creature if not protected the islanders may lose one of their cultural eritage.	
	j
Rate Objective 1.5 as a National priority: High ⊠ Medium □ Low □	
OBJECTIVE 2: IMPROVE UNDERSTANDING THROUGH RESEARCH ANI MONITORING	D
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.	
C PI NA P-Partial C-Completed PL-Planned NA-Not Applicable	
Conducted baseline studies or gather secondary information on dugong populations using cost effective techniques where possible, including community-based monitoring  Other, please describe:	
These activities are in the planning stage to support previous data collected over the past 20 years.	er
* Free text field for a specific description on measures developed:	_
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value dugong program has conduct baseline study and gathered information on dugong opulations using cost effective measures including assistance from local state governments, ommunities, and NGO's including schools as well.	
alau dugong program has conduct baseline study and gathered information on dugong opulations using cost effective measures including assistance from local state governments,	
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ralau dugong program has conduct baseline study and gathered information on dugong opulations using cost effective measures including assistance from local state governments, ommunities, and NGO's including schools as well.  Rate Objective 2.1 as a National priority: High ⊠ Medium □ Low □	,

$\boxtimes$				Initiated and/or continued long-term monitoring of priority dugong populations at appropriate spatial scales				
$\boxtimes$				Identified migratory routes through the use of techniques such as genetic studies and/or satellite tracking where appropriate				
		$\boxtimes$		Carried out studies on dugong population dynamics and survival rates				
$\boxtimes$				Promoted the use of traditional ecological knowledge in research and management studies,				
	_	<b>5</b>	_	where possible				
Ш	Ш	$\bowtie$	Ш	Involved local communities in research and monitoring programmes with training as required				
$\boxtimes$				Reviewed periodically and evaluated research and monitoring activities				
$\boxtimes$				Identified and included priority research and monitoring needs in regional and sub-regional				
				action plans				
Ш	Ш	$\boxtimes$	Ш	Conducted collaborative studies and monitoring of genetic identity, conservation status, migrations, and other biological and ecological aspects of dugongs				
				Other, please describe:				
	*	* Eroc	tovt:	field for a specific description on actions implemented:				
Pal				rogram was established to conduct long term monitoring and conservation of				
		_		on in the region. The program partially conducted aerial survey on dugong				
				listribution throughout the region. Palau program also has a plan to carry out				
	-			population dynamics and survival rates. This program also has plans to conduct				
				tudy and monitoring of genetic identity, conservation status, migration and other				
bio	biological and ecological characteristics of the dugong species in Palau waters.							
		Rate Objective 2.2 as a National priority: High ⊠ Medium □ Low □						
		Rate						
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P □ ⊠ □ □	c	Wha of mochec	Object a coll t has cortality k box  NA	ection and analysing  your country done in order to collect and analyse data that supports the identification of sources y, the mitigation of threats, and improved approaches to dugong conservation practices? Please when applicable and provide a specific description on the free text field* below.  P-Partial C-Completed PL-Planned NA-Not Applicable Identified and prioritised populations for conservation actions Identified population trends using local information where appropriate  Used research results to improve management, mitigate threats and assess the efficacy of conservation activities (e.g. habitat loss)  Involved local communities in research and monitoring programmes with training as required  Developed and harmonised data collection and analysis protocols				
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Pal Pal	G C C C C C C C C C C C C C C C C C C C	What of mochec PI	Object  A coll  It has pread to the pread to	ection and analysing  your country done in order to collect and analyse data that supports the identification of sources y, the mitigation of threats, and improved approaches to dugong conservation practices? Please when applicable and provide a specific description on the free text field* below.  P-Partial C-Completed PL-Planned NA-Not Applicable Identified and prioritised populations for conservation actions Identified population trends using local information where appropriate Used research results to improve management, mitigate threats and assess the efficacy of conservation activities (e.g. habitat loss) Involved local communities in research and monitoring programmes with training as required Developed and harmonised data collection and analysis protocols Where appropriate, developed and harmonised the reporting format that can be used for informing decision-making (local, national and regional) Other, please describe:   dield for a specific description on actions implemented Degram has partially established activities to identify priority conservation actions. Intification of population trend has been studied by conducting surveys of local cell as fishing activities. National program partially developed and harmonise the				
Pal Pal	G C C C C C C C C C C C C C C C C C C C	What of mochec PI	Object  A coll  It has pread to the pread to	ection and analysing  your country done in order to collect and analyse data that supports the identification of sources y, the mitigation of threats, and improved approaches to dugong conservation practices? Please when applicable and provide a specific description on the free text field* below.  P-Partial C-Completed PL-Planned NA-Not Applicable Identified and prioritised populations for conservation actions Identified population trends using local information where appropriate Used research results to improve management, mitigate threats and assess the efficacy of conservation activities (e.g. habitat loss) Involved local communities in research and monitoring programmes with training as required Developed and harmonised data collection and analysis protocols Where appropriate, developed and harmonised the reporting format that can be used for informing decision-making (local, national and regional) Other, please describe:   field for a specific description on actions implemented Orgam has partially established activities to identify priority conservation actions. Interface the field in the field of the proportion of population trend has been studied by conducting surveys of local				

#### **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. С 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: $\boxtimes$ Some historical data and recent reports contain mapped sea-grass and dugong presence. Palau dugong program collaborated with the Palau International Coral Reef Centre (PICRC) to locate and map the important dugong habitat in different areas in the region. The majority of map habitats are sea-grass beds. \* Free text field for a specific description on actions implemented: Palau dugong program has established a relationship with PICRC to monitor, asses and the mapping of potential and critical dugong habitat using rapid assessment technique. Rate Objective 3.1 as a National 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. С PI NA P-Partial C-Completed PL-Planned NA-Not Applicable Designated and managed protected/conservation areas, sanctuaries or temporary $\boxtimes$ 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. $\boxtimes$ networks of marine protected areas) Developed incentives for adequate protection of areas of critical habitat outside protected $\boxtimes$ Assessed the environmental impact of marine and coastal development and other human $\boxtimes$ 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 $\boxtimes$ explosives in the exploitation of marine resources Other, please describe:

<sup>\*</sup> Free text field for a specific description on measures developed:

Palau National and State Government has established numerous sanctuaries and protected areas in critical habitat to accommodate regional endangered species including dugongs.

#### § 3001. Creation.

The Ngerukewid Islands Wildlife Preserve is hereby established to include all land, water, reef and underwater areas of the island group known as Ngerukewid (Orukuisu) Islands, bounded by the grid coordinates 91 and 94 and by 18 and 22 on sheets 1043--I SW and 1043 II NW on Army Map Service series W 856. The Preserve is henceforth to be retained in its present primitive condition where the natural plant and animal life shall be permitted to develop undisturbed.

#### Source

PDC § 201  $\P$  (1), modified.

#### § 3002. Prohibitions.

- (a) No person shall take or transport any firearms of any description, or other weapons, nets, traps, snares or objects or materials capable of killing or otherwise taking birds, animals, or marine life into the Preserve, nor have any such objects in his possession within its boundaries.
- (b) No person shall kill or otherwise take or have in his possession or otherwise restrain any bird, animal or marine life, or take any eggs within the boundaries of the Preserve.
- (c) No person shall take or transport into or have in his possession within the boundaries of the Preserve any domestic bird or animal or allow any such birds or animals under his control to enter the area.
- (d) The lighting or use of fires is prohibited within the boundaries of the Preserve.
- (e) No person shall cut or destroy any plant life within the Preserve or remove any plant life therefrom.

#### Source

PDC § 201(a) through (e), modified.

#### § 3003. Penalties: confiscation of equipment.

- (a) Persons convicted of violating this chapter shall be imprisoned for a period not exceeding six months, or fined not more than \$50.00, or both.
- (b) Firearms, fishing gear of any description (including nets, traps, diving equipment, boats, canoes, engines or other equipment commonly used for taking game or other animals, birds, or fish), or cutting and digging or other tools commonly used for felling trees or removing vegetation found within the boundaries of the Preserve shall be seized and, upon presentation of reasonable proof before the Trial Division of the Supreme Court, the National Court or the Court of Common Pleas that it had been seized within the area, will be ordered confiscated by the court. Materials so seized and confiscated will be turned over to the Bureau of Public Safety for the Bureau's use or disposal. Proceeds realized from the disposal of such confiscated equipment shall be for the use of the Bureau of Public Safety under such conditions as may be established by the Minister of Justice.

These areas are also prohibited of boat entries of any vessels with or with out motors.

#### § 1301. Definitions.

In this subchapter, the terms "poisons," "chemicals," or "substances" include, but are not limited to, hypochlorus acid or any of its salts, including bleaches commonly sold under

various trade names, such as Clorox and Purex, and bleaching powders, preparations containing ratenone, tephrosin or plant material from Barrington asiatica, Coculus ferrandianus, Hura crepitans, Piscidia erythrina, Tephrosia purpurea, and wikstremia. Source 45 TTC § 1(1)(a), second sentence, modified. § 1302. Catching marine life with poisons, etc.; possessing or selling marine life caught with explosives, etc.; placing explosives, etc. in waters with intent to kill marine life. Except as provided in section 1303 of this subchapter: (a) No person shall knowingly catch any fish or other marine life by means of explosives, poisons, chemicals or other substances which kill fish or marine life. (b) No person shall knowingly possess or sell any fish or any other marine life caught by means of explosives, poisons, chemicals, or other substances which kill fish or marine life. (c) No person shall knowingly place or cause to be placed, in any waters of the Republic, explosives, poisons, chemicals, or other substances with the intent to kill fish or other marine life. Rate Objective 3.2 as a National 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. PI NA P-Partial C-Completed PL-Planned NA-Not Applicable Identified and enhanced recovery of degraded seagrass habitats used by dugongs Identified and enhanced recovery of degraded mangrove and coral reef habitats used by duaona Undertook measures to restore degraded habitats  $\square$ Other, please describe: \* Free text field for a specific description on measures developed: Palau National Congress enact a legislation creating the Environmental Quality Protection Board (EQPB) with one of their roles to monitor, asses, identify and to minimize degradation of sea grass habitat. The Watershed Program was established to minimize sediment flow to the ocean and to enhance recovery of mangroves, coral reefs and other degraded dugong habitats. Rate Objective 3.3 as a National 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. PI NA P-Partial C-Completed PL-Planned NA-Not Applicable Identified and undertook measures, where appropriate, to enhance recovery of degraded seagrass habitats used by dugong ☐ ☐ ☐ Other, please describe:

Palau National and State Governments undertook a measure to respect a National Environmental Quality Protection Board (EQPB) regulation to minimize continuity of degradation of known as dugong habitat and to enhance a recovery on degraded sea-grass beds.

* Free text field for a specific description on actions taken:
Rate Objective 3.4 as a National priority: High Medium Low Constitution Low Constitution Constit
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 P-Partial C-Completed PL-Planned NA-Not Applicable  Conducted baseline studies or gathered secondary information on dugong habitats using cost effective techniques where possible, including community-based monitoring  Initiated and/or continued long-term monitoring of priority dugong habitats  Promoted the use of traditional ecological knowledge in research and management studies, where possible  Involved local communities in research and monitoring programmes with training as required  Reviewed periodically and evaluate research and monitoring activities  Identified and include priority research and monitoring needs in regional and sub-regional action plans  Other, please describe:
*Free text field for a specific description on actions taken:  Palau dugong program has a plan to gather secondary information on dugong habitat using cost effective techniques and community base monitoring such as local knowledge as well as fisherman experiences and understanding of their communities.  Rate Objective 4.1 as a National 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  Collected, developed, co-ordinated and disseminated education materials (e.g. dedicated regional website)

		$\boxtimes$		Identified key persons/champions to help disseminate messages about the need to conserve dugongs and their habitats		
		$\boxtimes$		Established community learning/information centres		
$\boxtimes$				Developed and implemented mass media information programmes		
				Developed and conducted focused education and awareness programmes for target groups (e.g. policy makers, teachers, schools, fishing communities, subsistence and customary users, media)		
		$\boxtimes$		Encouraged the incorporation of dugong biology and conservation issues into school curricula		
				Organised special events related to dugong conservation and biology (e.g. Dugong Day, Year of the Dugong, symposia, community education workshops)		
				Promoted public participation in conservation activities  Involved stakeholders, including key policymakers, subsistence and customary users, and local communities in particular, in planning and implementation of conservation and		
				management measures Encouraged the participation of government institutions, intergovernmental governmental organisations, the private sector and the general community (e.g. students, volunteers,		
		$\boxtimes$		fishing communities, local communities) in research, conservation and management efforts Implemented, where appropriate, incentive schemes to encourage public participation (e.g. T-shirts, public acknowledgement and certificates)		
				Other, please describe:		
	,	* Free	e text	field for a specific description on actions taken:		
				rogram has been involved in co-ordination with education and other school		
not.	activities, mostly on earth days. The program is to promote a sustainable conservation program of					
				nabitat.		
Pal sho	gong au d ows a	s and lugor as a scie	d its l ng pr part o			
Pal sho	gong au d ows a ools logy	ugoi as a scie	d its h	ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with		
Pal sho	gong au d ows a ools logy	ugoras a scie	d its h	ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and		
Pal sho sch bio	gong au d ows a ools logy	ugoras a scie	d its h	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and stive 5.1 as a National priority: High Medium Low   ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text		
Pal sho sch bio	gong au d ows a ools logy	ugoras a scie	ng pr part once once o	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High Medium Low   ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.		
Pal sho sch bio	gong au d ows a ools logy	s and lugor scie	ng pr part once of Object ourage t has ervatiff below	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High ☑ Medium ☐ Low ☐  ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable Identified, developed and facilitated alternative programmes (including means of subsistence and incentives) that are not detrimental to dugongs and their habitats, in		
Pal sho sch bio	gong au d ows a ools logy F	s and lugor as a scie	ouraget has servatiff below	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High Medium Low   ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable Identified, developed and facilitated alternative programmes (including means of		
Pal sho sch bio	gong au d ows a ools logy F	s and lugor as a scie	ouraget has servatiff below	ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High Medium Low Gelocal community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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		
Pal sho sch bio	gong au d ows a ools logy F	s and lugor as a scie	ouraget has servatiff below	ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High Medium Low Gelocal community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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		
Pal sho sch bio	gong au d ows a ools logy   C  C	s and dugor as a scie	ourage thas ervating below	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High ☑ Medium ☐ Low ☐  ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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:		
Pal sho sch bio	gong au d ows a ools logy   C  C	s and dugor as a scie	ourage that a below NA	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High Medium Low Gelocal community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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:  field for a specific description on actions taken:		
Pal sho sch bio	gong au d ows a ools logy   C  C  au h entiv	s and lugor as a scie	ourage text:	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and etive 5.1 as a National priority: High ☑ Medium ☐ Low ☐  ge local community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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:		
Pal sho sch bio	au dows a cools logy  C C C au h entivir ha	s and ugor as a scie	ourage text in plant conditions.	nabitat.  ogram is also involved in media programs such as news articles and radio talk of education and awareness. Palau also has a long term plan to coordinate with classes, teachers and other related programs to promote dugong conservation and stive 5.1 as a National priority: High Medium Low Gelocal community participation  your country done with regards to encouraging local communities to actively participate in on efforts? Please check box when applicable and provide a specific description on the free text w.  P-Partial C-Completed PL-Planned NA-Not Applicable 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:  field for a specific description on actions taken:  In to continue the long term National program to determine subsistence and		

# 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	P-Partial C-Completed PL-Planned NA-Not Applicable 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)
		$\boxtimes$		Reviewed at a national level, compliance with obligations under CITES relating to illegal international trade in dugong parts or products  Facilitated better compliance with CITES through training of relevant authorities in cooperation with other Signatory States, the CITES Secretariat and other relevant organisations
		$\boxtimes$		Identified routes of international illegal trade through monitoring, and sought cooperation to take action to prevent, deter and, where possible, eliminate it
		$\boxtimes$		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 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	e text f	field for a specific description on actions implemented:
	au d	lugoi	ng pr	ogram has a long term plan to continue collaborate, coordinate and encourage atte to become a party to CITES.
				partially participate in reviewing the regional marine act (1994 Marine Act) to to include Palau recommendation for improvement.
	ı	Rate	Objec	tive 6.1 as a National priority: High 🖂 Medium 🗌 Low 🗌
6.	2	Info	rmati	on exchange
		Wha informulation	matior	your country done to develop and implement mechanisms for effective exchange of n? Please check box when applicable and provide a specific description on the free text field*
Р	С	PI		P-Partial C-Completed PL-Planned NA-Not Applicable
	Ш	Ш		Identified and strengthened existing mechanisms for cooperation at the regional and sub-regional level
		$\boxtimes$		Developed a website and/or newsletter to facilitate networking and exchange of information
$\boxtimes$				Developed a web-based information resource for dugong conservation (including data on populations, migration, on-going projects) based on IUCN website
		$\boxtimes$		Regularly updated a directory of experts and organisations concerned with dugong conservation
				Developed networks for cooperative management of shared populations, within or across sub-regions, and where appropriate, formalise cooperative management arrangements
		$\boxtimes$		Cooperated where possible in the establishment of transboundary marine protected areas using ecological rather than political boundaries

				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
			$\boxtimes$	national level  Encouraged MoU signatory States that have not already done so tot become Parties to the
				Convention on Migratory Species (CMS)  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)
				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
				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
				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
$\boxtimes$				Disseminated traditional knowledge on dugongs, their habitats and traditional practices for conservation and management in a culturally appropriate manner
$\boxtimes$				Updated data on dugong populations of regional interest on a regular basis (e.g. country status reports)
				Other, please describe:
	,	* Free	e text f	ield for a specific description on actions taken:
				pjectives mentioned above are not applicable to Palau. Palau dugong program
		_		plan to update, exchange and establish relations with regional fisheries for stematic measures to make sure that implementation and development of best
-				n to conservation of dugong and its habitat can be shared through information
	_			sm easy and simple. Information such as the annual updated data on dugong
				ally are disseminated in hard copies as well as electronically. However Palau tance in this regard for capacity-building.
	F	Rate (	Objec	tive 6.2 as a National priority: High ⊠ Medium □ Low □
6.	3	Imp	rove	coordination
		secto	ors an	your country done in order to improve coordination among government and non-government d communities in the conservation of dugongs and their habitats? Please check box when and provide a specific description on the free text field* below.
P ⊠	C	PI	NA	P-Partial C-Completed PL-Planned NA-Not Applicable Reviewed the roles and responsibilities of government agencies related to the conservation and management of dugongs and their habitats
		$\boxtimes$		Designated a led agency responsible for coordinating national dugong conservation and
$\boxtimes$				management policy Identified non-governmental organisation with an interest in dugong conservation and management
$\boxtimes$				Encouraged cooperation within and among government and non-government sectors, including through the development and/or strengthening of national networks
				Other, please describe:

<sup>\*</sup> Free text field for a specific description on actions implemented:

Palau dugong program has partially reviewed the role and responsibilities of the government agencies related to the conservation and management of dugongs and their habitat. At the same time dugong conservation program has identify non-government organisation with interests in dugong conservation and management. Dugong program cooperate within government and non-government sectors of development and strengthening national efforts and network.

	Rate Obj	ective 6.3 as a National priority: High 🗌 Medium 🛛 Low 🗍						
6.4	Database							
	impleme	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 N	A P-Partial C-Completed PL-Planned NA-Not Applicable						
		Collated and managed information relevant for dugong conservation and management in a regional database that is easily accessible to all interested parties						
		Other, please describe:						
D 1		t field for a specific description on actions taken:						
		program has created a national database to collect and store regional information of vation, status, distribution threads and other important information. At the same						
	_	rently gathers and manages information relevant for dugong conservation and						
manag	ement ir	a regional database that is easily accessible to all interest parties in hard copies.						
	Rate Obj	ective 6.4 as a National priority: High ⊠ Medium □ Low □						
OBJE	ECTIVE	7: PROMOTE IMPLEMENTATION OF THE MOU						
7.1	Encou	age participation in the MoU						
	and mai	s your country done to encourage all Range States to participate in the MoU and its conservation tragement activities? Please check box when applicable and provide a specific description on the field* below.						
P C	PI N	I II						
		Encouraged non-Signatory States to sign the MoU  Arranged regional and sub-regional workshops involving non-Signatory States to raise						
		awareness of the MoU						
Ш Ш		Considered at the first meeting of the Signatory States the development of a timetable for regular review of implementation the MoU						
		Other, please describe:						
	* Free te	rt field for a specific description on actions taken:						
	needs to	consider the promotion and implementation of the MoU and the development of a						
timetal	ole for re	gular review of implementation of MoU.						
	Rate Obi	ective 7.1 as a National 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. 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: \* Free text field for a specific description on actions taken: Palau has not done any support or sources of funding to support the MoU Secretariat. Rate Objective 7.2 as a National 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. С 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  $\sqcap$   $\sqcap$   $\boxtimes$ 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: Palau has not yet sign the MoU. High ⊠ Medium □ Low □ Rate Objective 7.3 as a National priority: 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. С NA P-Partial C-Completed PL-Planned NA-Not Applicable Ы Identified, facilitated and explored links to other international, regional, sub-regional fora, conventions, agreements and MoUs Other, please describe:

<sup>\*</sup> Free text field for a specific description on actions taken:

			veloped any synergies with other regional conservation convention. Palau is non nember of the Convention.
	Rate	Objec	etive 7.4 as a National priority: High 🖂 Medium 🗌 Low 🗍
OBJE	CTI	VE 8	: IMPROVE LEGAL PROTECTION OF DUGONGS AND THEIR HABITATS
8.1	Inco	rpor	ation into national legislation
	dugo	ng ar	your country done to encourage all Range States, and ensure Signatory States, to incorporate nd habitat conservation and protection measures into national legislation? Please check box icable 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:
Palau l	nas ra s and	aised awa	field for a specific description on actions taken:  public education and awareness of the harm in the destruction of the dugong reness of illegal activity toward dugongs. Palau has established public law that ests a surveillance for reporting of illegal activities in this regard.
		-	ctive 8.1 as a National priority: High 🖾 Medium 🗌 Low 🗌
8.2	Wha	t kind	otection  of measures your country has developed to review and, where necessary, strengthen legal for dugongs and their habitats? Please check box when applicable and provide a specific n 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	e text	field for a specific description on measures developed:
Palau h	as es	stabli	shed a National program to monitor and research the threat to dugongs and their poperate and collaborate with NGO's, Foundation and law officers to enforce the
			etween jurisdictions.

Rate Objective 8.2 as a National priority: High  $\boxtimes$  Medium  $\square$  Low  $\square$ 

# 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	С	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	
	Н			Developed partnerships with universities, research institutions, NGOs, training bodies and	
	Ш	Ш		other relevant organisations to support capacity building initiatives	
				Identify, assess, develop and implement training programmes for local communities, NGOs, community-based organisations, media, enforcement officers, policy makers, law makers and decision makers	
		$\boxtimes$		Enhanced capacity at all levels to develop and undertake joint research programmes on dugong and their habitats	
			$\boxtimes$	Organised forums (local, national and regional as appropriate) with the involvement of all relevant stakeholders to enable knowledge sharing and capacity building	
			$\boxtimes$	Provided training on development, implementation and monitoring of community rehabilitation programmes	
$\boxtimes$				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:					
Palau has established a program to promote a conservation of dugongs and their habitat in the					
_	region within the program in development of partnership with communities, schools as well as				
NGOs to enhance a relevant capacity building for the long term conservation of dugongs and its					
habitat. However more action in this regard should increase which is in the planning stage but funding is lacking.					
funding is tacking.					
Rate Objective 9.1 as a National priority: High 🖂 Medium 🗌 Low 🗌					
Other remarks					
Please provide any comments/suggestions to improve the present reporting format.					
Provide additional information not covered above:					