

IOSEA MARINE TURTLES MEMORANDUM OF UNDERSTANDING - NATIONAL REPORTING 2019

IOSEA Marine Turtles MoU - National Reports

The purpose of completing the national report is to provide information on your country's implementation of the IOSEA Marine Turtle MoU including, as far as possible, contributions of cooperating non-governmental partners. Implementation will be assessed in terms of the six objectives of the Conservation and Management Plan (CMP). The online questionnaire is divided into these six main objectives, and asks specific questions in relation to the activities that need to be carried out to fulfil those objectives.

Please answer all questions as fully and as accurately as possible. It may seem time-consuming, but once you have completed the first report, the next time will be much easier because you can simply revise your existing report online. Comprehensive responses to the questions posed in Section 1.4 should satisfy many of the reporting requirements of the 2004 FAO Guidelines to Reduce Sea Turtle Mortality in Fishing Operations, thereby avoiding duplication of effort.

Description text is provided below some of the questions to explain what information needs to be provided. 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. At the same time, you may find it useful to look at other countries' reports to get ideas for marine turtle conservation that might be adapted to your context.

When working on the online questionnaire, save your information by clicking on the "Save all" button inside each section. An auto-save feature also saves any changed responses every 30 seconds, and whenever you move between sections. Feel free to attach additional material (published reports, maps etc) to this questionnaire.

Throughout the questionnaire, alongside each question you will find one or more 3-letter abbreviations within square brackets. These are used to indicate the purpose for which the information provided will be used in the subsequent analysis of all of the national reports, as shown in the following table.

To some extent, the order in which these different types of information are listed below is a reflection of their importance - ranging from critical indicators of performance to factual details that are merely informative.

Abbreviation

Type

Treatment / Purpose

IND

Indicator

The information provided serves, in and of itself, as a key indicator of successful implementation or of pre-requisites for same (eg. of core actions undertaken, resource availability, capacity etc.)

PRI

Priorities

The collective data will be synthesized to 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.

TSH

Trouble-shooting

Particular implementation problems and issues (possibly of special interest to a small group of countries) are identified/highlighted with a view to stimulating remedial action in the short-term.

BPR

Best practice

Well-documented examples of best practices / success stories will be compiled and presented as approaches that other Signatory States might consider pursuing (ie adopting or adapting to suit their own circumstances).

SAP

Self-Appraisal

Self-assessment of effectiveness and completeness of actions undertaken - intended to stimulate reflection within a given Signatory State on what more could or should be done in relation to a particular activity.

INF

Information

The information will be collected and compiled, with little or no modification, mainly for purpose of sharing of information that could be of interest or value to other readers and/or other analyses.

GENERAL INFORMATION

Signatory State:

Which agency or institution has been primarily responsible for the preparation of this report?

> Supreme Council for Environment

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

> Non

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

> 01.01.2007

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OBJECTIVE I: REDUCE DIRECT AND INDIRECT CAUSES OF MARINE TURTLE MORTALITY

1.1 Introduction to marine turtle populations and habitats, challenges and conservation efforts

Please introduce and summarise, in an abstract of less than a page, the marine turtle populations and their habitats in your country. Comment on their status and highlight the main conservation challenges and achievements to date. It is not necessary to list here by name the individual nesting beaches, feeding areas and developmental habitats that are important for marine turtles in your country, as this information can be generated from the 'Site-Threat' data sheets to be completed in Annex 1. **[INF]**

> - population size:

Recently, There is no population size study in Bahrain, however records of turtle sightings were collected along with an aerial survey conducted between 1st-5th October 2006 on Bahrain's dugong population (Hodgson, 2006). The minimum turtle population estimated provided by this survey was 284 (CI=190, 378), with the highest number occurring in the northern waters.

- challenges:

The Bahrain coasts have witnessed considerable development for relatively long periods. These developments initiated numerous dredging, reclamation, and sand excavation activities in the marine environment. These activities can cause direct turtle injuries and mortalities. In addition these activities can destroy or minimize the sea-grass areas, which indirectly affect the Green turtle population, in addition, many numbers of mortality has been recorded because of by-catch during the fishing seasons.

- Main achievements :

* The mortality number is reduced in about 90% in 2019 compared to the previous years after Bahrain has banned the Shrimp trawls.

* Bahrain has developed a network of collaboration with NGOs to rehabilitate the injured and suffered turtles.

1.2 Best practice approaches to minimizing threats

Describe any protocol or approaches practiced in your country, which you consider exemplary, for minimising threats to marine turtle populations and their habitats, which may be suitable for adaptation and adoption elsewhere. **[BRP]**

> the best practice approach in Bahrain to minimize the threats was the banning of the trawling fishing in the territorial water of Bahrain and enhance the collaboration with local communities ,NGOs and media to record the mortality incidents and to rehabilitate the turtles.

1.3 Programmes to correct adverse economic incentives

1.3.1 Describe any socio-economic studies or activities that have been conducted among communities that interact with marine turtles and their habitats. **[BPR, INF]**

Elaborate on the nature of the socio-economic study/ activity undertaken, the results obtained (successful or otherwise) and the desirability/ suitability for replication.

Include references to published reports, where available.

> Abdulqader et al. (2004) conducted a socio-economic survey on all fishery sectors, including shrimp fishery. Furthermore,

Abdulqader (2007) assessed the economical and financial performances of these fishing sectors.

1.3.2 Which of these adverse economic incentives are underlying threats to marine turtles in your country? **[TSH]**

Others (Please describe)

> not applicable

1.3.3 Has your country taken any measures to try to correct these adverse economic incentives? **[BPR]**

Yes (If yes, please describe these measures in detail)

> completely banning of shrimps trawling

1.4 Reduction of incidental capture and mortality

1.4.1 Indicate, and describe in more detail, the main fisheries occurring in the waters of your country, as well as any high seas fisheries in which flag vessels of your country participate and interact with marine turtles.

Tick 'YES' to indicate that a fishery is present and interacting marine turtles or 'NO' to indicate that a fishery is not present or is not interacting with marine turtles. **[INF]**

If a fishery is present, use the text box to indicate, for example, the approximate geographic distribution of the fishery, how long it has been operating, how many vessels are involved, etc.

a) Shrimp trawls:
 No (Please provide details)

> it is banned in 2019

b) Set gill nets:
 Yes (Please provide details)

> in small scale

c) Anchored Fish Aggregating Devices (FADs):
 No (Please provide details)

d) Purse seine (with or without FADs):
 Yes (Please provide details)

> in small scale

e) Longline (shallow or deepset):
 Yes (Please provide details)

f) Driftnet:
 Yes (Please provide details)

> but it is prohibited by law (illegal fishing)

1.4.2 Please indicate the relative level of fishing effort and perceived impact of each of the above fisheries on marine turtles (e.g. in terms of by-catch) [TSH]. Select from one of the following descriptions: RELATIVELY HIGH, MODERATE, RELATIVELY LOW, NONE (i.e. not present), UNKNOWN (i.e. unable to answer for whatever reason).

a) Shrimp trawls
Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing efforts:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perceived impact:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

b) Set gill nets
Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing effort:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perceived impact:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

c) Anchored Fish Aggregating Devices (FADs)
Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing effort:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perceived impact:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

d) Purse seine (with or without FADs)
Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing efforts:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Perceived impact:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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e) Longline (shallow or deepset)

Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing effort:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Perceived impact:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

f) Driftnet

Please select only one per line

	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E	RELATIVELY HIGH
Fishing effort:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perceived impact:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1.4.3 Describe any **illegal fishing** that is known to occur in or around the waters of your country that may impact marine turtles. Describe the measures being taken to deal with this problem and any difficulties encountered in this regard. **[TSH]**

> driftnet and shrimp trawling are illegal fishing in Bahrain which impact on the marine turtles.

- Bahrain enact a law to prohibit these types of fishing, and impose mandatory monitoring device (Automatic Information System) to track the vessels.

- Difficulties: illegal fishing during the shrimp and Spanish mackerel season

1.4.4 Which of the following methods are used by your country to minimise incidental capture/mortality of marine turtles in fishing activities? [IND]

a) **Appropriate handling** of incidentally caught turtles (e.g. resuscitation or release by fishers using equipment such as de-hooking, line cutting tools and scoop nets)

YES (Details/future plans)

b) **Devices that allow the escape of marine turtles** (e.g. turtle excluder devices (TEDs) or other measures that are comparable in effectiveness)

NO (Details/future plans)

c) **Measures to avoid encirclement** of marine turtles in purse seine

NO (Details/future plans)

d) **Appropriate combinations** of hook design, type of bait, depth, gear specifications and fishing practices

NO (Details/future plans)

e) **Monitoring and recovery of fish aggregating devices** (FADs)

NO (Details/future plans)

f) **Net retention and recycling schemes**

NO (Details/future plans)

g) **Spatial and temporal control of fishing** (e.g. seasonal closures of fishing activities)

YES (Details/future plans)

h) **Effort management control**

YES (Details/future plans)

1.4.5 Which of the following programmes has your country developed - in consultation with the fishing industry and fisheries management organisations - to promote implementation of measures to minimise incidental capture and mortality of turtles in national waters and in the high seas? [IND]

Please use the corresponding text boxes to explain/clarify each of your responses, including 'NOT APPLICABLE' responses, and indicate future plans in this regard. [IND]

Please describe the collaboration, when/where the programmes were introduced, any difficulties encountered, and general results obtained (i.e. successful and unsuccessful). Provide references to publications, where available.

a) Onboard observer programmes

X

YES (Details/future plans)

> has been done long time ago (in 2004)

b) Vessel monitoring systems

YES (Details/future plans)

> it is mandatory for all vessels

c) Inspections (i.e. at sea, in port, at landing sites)

YES (Details/future plans)

> inspections in the ports and markets

d) Training programmes / workshops to educate fishers

YES (Details/future plans)

e) Informative videos, brochures, printed guidelines etc.

YES (Details/future plans)

- Other OR none of the above

Other (list and explain):

> we have hotline for any turtles incidents

1.4.6 Are the mitigation measures described in 1.4.4 and 1.4.5 periodically reviewed and evaluated for their efficiency? **[SAP]**

YES (Please give details)

1.4.7 In your country, what types of data collection, research and development have been undertaken to support the reduction of marine turtle incidental catch (while taking into consideration the impact of various mitigation measures on other species)? **[SAP]**

> we have mortality records indicate the possible reasons of mortality and recommend the fisher men to avoid the turtle habits.

1.4.8 Has your country exchanged information and provided technical assistance (formally or informally) to other Signatory States to promote the activities described in 1.4.4, 1.4.5 and 1.4.7 above? **[SAP]**

YES (If yes, please give details of the exchanges/technical assistance)

> Bahrain with Gulf Cooperation Countries exchanged information and provided technical support.

1.4.9 What legislative and practical measures has your country taken in support of UN General Assembly Resolution 46/215 concerning the moratorium on the use of large-scale driftnets? **[SAP]**

> Decision of the Minister of Trade and Agriculture No. 8 of 1988 on the Prohibition of the Use of drift nets for Fishing

1.5 Addressing harvest of, and trade in, marine turtles; and protecting of habitat

1.5.1 Does your country have legislation to prohibit direct harvest and domestic trade in marine turtles, their eggs, parts and products; and to protect important turtle habitats? **[IND]**

Please provide details (title/date) of the relevant legislation, as well as any exemptions (e.g. for traditional harvest) under that legislation.

YES

> Decision of the President of the General Authority for the Protection of Marine Wealth, Environment and Wildlife No. 3 of 2003 on the Prohibition of Hunting of Dugongs, Sea Turtles and Dolphins

1.5.2 Which, among the following list, are economic uses and cultural values of

marine turtles in your country? [INF]

Please rate the relative prevalence / importance of each consumptive or non-consumptive use. Use the text boxes below each rating to explain or clarify your responses.

a1) Meat consumption

NO

a2) Meat consumption: relative prevalence/importance

UNKNOWN

b1) Egg consumption

NO

b2) Egg consumption: relative prevalence/importance

UNKNOWN

> not applicable

c1) Shell products

NO

c2) Shell products: relative prevalence/importance

UNKNOWN

> not applicable

d2) Fat consumption: relative prevalence/importance

UNKNOWN

> not applicable

e1) Traditional medicine

NO

e2) Traditional medicine: relative prevalence/importance

UNKNOWN

> not applicable

f1) Eco-tourism programmes

NO

f2) Eco-tourism programmes: relative prevalence/importance

UNKNOWN

> not applicable

g1) Cultural / traditional significance

NO

g2) Cultural/traditional significance: relative prevalence/importance

UNKNOWN

> not applicable

1.5.3 Please indicate the relative level and impact of traditional harvest on marine turtles and their eggs. [IND, TSH]

	RELATIVELY HIGH	UNKNOW N	NON E	RELATIVELY LOW	MODERAT E
Level of harvest:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Impact of harvest:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.5.4 Have any domestic management programmes been established to limit the levels of intentional harvest? [SAP]

Use the text box to give details.

NO

> there is no any kind of harvest in Bahrain

1.5.5 Describe any management agreements negotiating between your country and other States in relation to sustainable levels of traditional harvest, to ensure that such harvest does not undermine conservation efforts. **[BPR]**

> no traditional harvest of turtle in Bahrain

1.6 Minimizing mortality through nesting beach programmes

1.6.1 Measures and effectiveness

First, tick one of the YES/NO-boxes to indicate whether or not your country has any of the following measures in place to minimise the mortality of eggs, hatchlings and nesting females. If yes, then **estimate the relative effectiveness** of these measures. **[IND, SAP]**

Use the text boxes below each rating to elaborate on your responses, including any lessons learned that might be of value to other Signatory States, and indicate your plans for the coming year. Please explain any "Not Applicable (N/A)" responses.

a1) Monitoring/protection programmes

N/A

a2) Monitoring/protection programmes: relative effectiveness

UNKNOWN

> no nesting for turtles in Bahrain

b1) Education/awareness programmes

N/A

b2) Education/awareness programmes: Relative effectiveness

UNKNOWN

> not applicable

c1) Egg relocation/hatcheries

N/A

> not applicable

c2) Egg relocation/hatcheries: Relative effectiveness

UNKNOWN

> not applicable

d1) Predator control

N/A

> not applicable

d2) Predator control: Relative effectiveness

UNKNOWN

> not applicable

e1) Vehicle / access restrictions

N/A

> not applicable

e2) Vehicle/access restriction: relative effectiveness

UNKNOWN

> not applicable

f1) Removal of debris / clean-up

N/A

> not applicable

f2) Removal of debris /clean-up: relative effectiveness

UNKNOWN

> not applicable

g1) Re-vegetation of frontal dunes

N/A

> Re-vegetation of frontal dunes

g2) Re-vegetation of frontal dunes: relative effectiveness

UNKNOWN

> Re-vegetation of frontal dunes

h1) Building location/design regulations

N/A

> Re-vegetation of frontal dunes

h2) Building location/design regulations: relative effectiveness

UNKNOWN

> Re-vegetation of frontal dunes

i1) Light pollution reduction

N/A

> Re-vegetation of frontal dunes

i2) Light pollution reduction: Relative effectiveness

UNKNOWN

> Re-vegetation of frontal dunes

1.6.2 Has your country undertaken any evaluation of its nest and beach management programmes? **[SAP]**

Use the text box to elaborate on your response, if necessary.

NOT APPLICABLE

OBJECTIVE II: PROTECT, CONSERVE AND REHABILITATE MARINE TURTLE HABITATS

2.1 Measures to protect and conserve marine turtle habitats

2.1.1 What is being done to protect critical habitats outside of established protected areas? (NB: It is assumed that legislation relating to established protected areas will have been described in Section 1.5.1)

[BPR, SAP]

> sea grass habitats are maintained and conserved

2.1.2 Are assessments routinely made of the environmental impact of marine and coastal development on marine turtles and their habitats? **[IND, SAP]**

Use the text box to elaborate on your response.

YES

> water quality program

2.1.3 Is marine water quality (including marine debris) monitoring near turtle habitats? If yes, describe the nature of this monitoring and any remedial measures that may have been taken. **[SAP]**

YES

> Bahrain measure the following parameters: Dissolved oxygen, Temperature, Salinity, Conductivity, PH, Nutrient, Al kalanity, Total Organic Carbon, florescent petroleum hydrocarbon, total suspended solids and turbidity

2.1.4 Are measures in place to prohibit the use of poisonous chemicals and explosives? **[SAP]**

Use the text box to elaborate on your response.

YES

2.2 Rehabilitation of degraded marine turtle habitats

2.2.1 Are efforts being made to recover degraded coral reefs? If yes, give details (location, duration, effectiveness, lessons learned, future plans etc.). **[IND, SAP]**

Provide sufficient details of the measures taken, especially those measures shown to have been effective in recovering degraded coral reefs. Please indicate future plans in this regard.

NOT APPLICABLE (no degraded coral reefs)

2.2.2 Are efforts being made to recover degraded mangrove habitats that are important for turtles? If yes, give details (location, duration, effectiveness, lessons learned future plans etc.). **[IND, SAP]**

NOT APPLICABLE (no mangrove habitats important for turtles)

2.2.3 Are efforts being made to recover degraded sea grass habitats? If yes, give details (location, duration, effectiveness, lessons learned future plans etc.). **[IND, SAP]**

NOT APPLICABLE (No degraded sea grass habitats)

OBJECTIVE III: IMPROVE UNDERSTANDING OF MARINE TURTLE ECOLOGY AND POPULATIONS THROUGH RESEARCH, MONITORING AND INFORMATION EXCHANGE

3.1 Studies on marine turtles and their habitats

3.1.1 Give a list of available literature that includes baseline information from studies carried out in your country on marine turtle populations and their habitats. **[INF]**

> Abdulqader, E. A. A. 2006. Turtle incidences in shrimp trawl nets during the seasons 1998/99 to 2002/03 in Bahrain's waters. Bahrain Centre for Studies and Research, pp. 24

Abdulqader, E. A. A., 2008. The death of marine turtles in the Kingdom of Bahrain's waters: Report of the Dead Marine Turtle Monitoring Program for the last quarter of 2007. Bahrain Center for Studies and Research, pp. 37. (in Arabic)

Al-Zayani, A. K. 2003. The selection of marine protected areas (MPAs): A model for the Kingdom of Bahrain. Centre for Environmental Sciences, University of Southampton, Ph D thesis, pp. 268.

Hodgson, A., 2006. The distribution, abundance and conservation of dugongs and other marine megafauna in Bahraini waters. Geomatec, James Cook University. pp. 50.

Miller, J. D. 1989. An assessment of the conservation status of marine turtles in Saudi Arabia. MEPA Coastal and Marine Management Series, report No. 9, Vol. 1, pp. 209.

Miller, J. D., Limpus, C. J., & Ross, J. P. 1989. An assessment of the conservation status of marine turtles in Saudi Arabia. MEPA Coastal and Marine Management Series, report No. 9, Vol. 2, pp. 63.

OBJECTIVE IV: INCREASE PUBLIC AWARENESS OF THE THREATS TO MARINE TURTLES AND THEIR HABITATS, AND ENHANCE PUBLIC PARTICIPATION IN CONSERVATION ACTIVITIES

4.1 Public education and information programmes

4.1.1 Describe the educational materials, including mass media information programmes that your country has collected, developed and/or disseminated. **[INF, PRI]**

Details/future plans:

- > - many posts in social media and Articals has been published and carried out in last 5 years. such as using Instagram platform @SCE.BH
- and web site of the Supreme Council for environment: www.sce.gov.bh
- publish leaflets, training workshops to increase public awareness and education.

4.1.2 Which of the following groups have been the targets of these focused education and awareness programmes described in above in Section 4.1.1? **[PRI, INF]**

- Policy makers
- Fishing industry
- Local/Fishing communities
- Media
- Teachers
- Students
- Military, Navy, Police
- Scientists

4.1.3 Have any community learning / information centres been established in your country? **[BPR, SAP]**

Please give details and indicate future plans

YES

- > - Bahrain Museum has information about turtles in Bahrain
- BSPCA Animal Welfare Center, establish a rehabilitation center.
- supreme council for environment with coordination of NGOs have future plan to rehabilitate turtles in Bahrain

4.2 Alternative livelihoods opportunities Describe initiatives already undertaken or planned to identify and facilitate alternative livelihoods (including income-generating activities) for local communities. **[IND, BPR]**

> not applicable

4.3 Stakeholder participation

4.3.1 Describe initiatives already undertaken or planned by your country to involve **local communities**, in particular, in the planning and implementation of marine turtle conservation programmes. Please include details of any incentives that have been used to encourage public participation, and indicate their efficacy. **[BPR, IND]**

> Supreme council for Environment encourage the Local communities by specially the fishermen in order to protect and rehabilitate the turtles in the territorial water of Bahrain

4.3.2 Describe initiatives already undertaken or planned to involve and encourage the cooperation of **Government institutions, NGOs** and the **private sector** in marine turtle conservation programmes. **[IND, BPR]**

> Supreme council for Environment coordinate and cooperate with the followings in order to protect and rehabilitate the turtles in the territorial water of Bahrain:

- Fsheries (government body)
- BSPCA Animal Welfare Center (NGO)
- Bahrain Environmental friends (NGO)
- The animals and the environment protection charity organization (AEPCO) .. (NGO)

OBJECTIVE V: ENHANCE NATIONAL, REGIONAL AND INTERNATIONAL COOPERATION

5.1 Collaboration with, and assistance to, signatory and non-signatory States

5.1.1 Has your country undertaken a national review of its compliance with Convention on International Trade in Endangered Species (CITES) obligations in relation to marine turtles? **[SAP]**

YES (If yes, please elaborate briefly)

> Bahrain is a party in CITES convention since 2012 and has a national review on the compliance with international agreements

5.1.2 Does your country have, or participate/cooperate in, CITES training programmes for relevant authorities? **[SAP]**

YES (If yes, please provide details of these training programmes)

> supreme council for environment has organize and participated on many workshops in conservation of marine turtles:

- yearly training workshop on CITES (including turtles conservation).

5.1.3 Does your country have in place mechanisms to identify **international** illegal trade routes (for marine turtle products etc.)? Please use the text box to elaborate on how your country is cooperating with other States to prevent/deter/eliminate illegal trade. **[SAP]**

Please give details of particularly successful interventions and prosecutions; and/or mention any difficulties experienced that impede progress in this area. Please provide references to any published reports (e.g. already prepared for CITES purposes) that give a more ample explanation.

NOT APPLICABLE

> there is no trade on turtles or there products in Bahrain

5.1.4 Which international compliance and trade issues related to marine turtles has your country raised for discussion (e.g. through the IOSEA MoU Secretariat, at meetings of Signatory States etc.)? **[INF]**

> there is no international trade in turtles in Bahrain

5.1.5 Describe measures in place to prevent, deter and eliminate domestic illegal trade in marine turtle products, particularly with a view to enforcing the legislation identified in Section 1.5.1. **[INF]**

> domestic illegal trade in marine turtles is prohibited in Bahrain, thus there is no any kind of trade in Bahrain

5.2 Prioritisation, development and implementation of national action plans

5.2.1 Has your country already developed a national **action plan** or a set of **key management measures** that could eventually serve as a basis for a more specific action plan at a national level? **[IND]**

Please explain.

YES

5.2.2 From your country's perspective, which **conservation and management activities**, and/or which particular **sites or locations**, ought to be among the highest priorities for action?

(List up to 10 activities from the IOSEA Conservation and Management Plan). **[PRI]**

> the best conservation activity in Bahrain to protect and conserve the turtles is banning the fishing by trawls.

5.2.3 Please indicate, from your country's standpoint, the extent to which the following **local** management issues require **international** cooperation in order to achieve progress. **[PRI]**

In other words, how important is **international** cooperation for addressing these issues?

Please select only one per line

	NOT AT ALL	LIMITED	IMPORTANT	ESSENTIAL
Illegal fishing in territorial waters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incidental capture by foreign fleets	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enforcement/patrolling of territorial waters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hunting/harvest by neighboring countries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poaching, illegal trade in turtle products	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Development of gear technology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oil spills, pollution, marine debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Training / capacity-building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alternative livelihood development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identification of turtle populations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Identification of migration routes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tagging / satellite tracking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Habitat studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Genetics studies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.3 Cooperation and Information exchange

5.3.1 Identify existing frameworks/organisations that are, or could be, useful mechanisms for cooperating in marine turtle conservation at the sub-regional level. Please comment on the strengths of these instruments, their capacity to take on a broader coordinating role, and any efforts your country has made to enhance their role in turtle conservation. **[INF, BPR]**

> ROPME (Regional Organization for the Protection of the Marine Environment): Bahrain, I.R. Iran, Iraq, Kuwait, Oman,

Qatar, Saudi Arabia and the United Arab Emirates are the member countries.

PERSGA (Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden)

The GCC Permanent Committee for Fisheries & the GCC Permanent Committee for Environment: Bahrain, Kuwait,

Oman, Qatar, Saudi Arabia and the United Arab Emirates are the member countries.

5.3.2 Has your country developed, or is it participating in, any networks for cooperative management of shared turtle populations? **[BPR, INF]**

NO

5.4 Capacity-building

5.4.1 Describe your country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen marine turtle conservation measures. **[PRI]**

> capacity building and training programs are highly needed mainly on conserve rehabilitate the turtles.

5.5 Enforcement of conservation legislation

5.5.1 National policies and laws concerning the conservation of marine turtles and their habitats will have been described in Section 1.5.1. Please indicate their effectiveness, in terms of their practical application and enforcement. **[SAP, TSH]**

> Marine turtle are not intentionally caught in Bahrain. In addition, the decree No. 3, for year 2003 prohibits catching marine turtles in Bahrain's waters.

5.5.2 Has your country conducted a review of policies and laws to address any gaps, inconsistencies or impediments in relation to marine turtle conservation? If not, indicate any obstacles encountered in this regard and when this review is expected to be done. **[SAP]**

Please give details.

NO

> no need as it is completely banned

5.5.3 From the standpoint of law enforcement, has your country experienced any difficulties achieving cooperation to ensure compatible application of laws across and between jurisdictions? **[TSH]**

Please give details.

NO

OBJECTIVE VI: PROMOTE IMPLEMENTATION OF THE MOU, INCLUDING THE CMP

6.1 IOSEA Marine Turtle MoU membership and activities

6.1.1 What has your country already done, or will it do, to encourage other States to sign the IOSEA MoU? **[INF]**

> Bahrain can approach other GCC countries through the respective channels and propose their participation in the MoU

6.1.2 Is your country **currently** favourable, in principle, to amending the MoU to make it a legally binding instrument? **[INF]**

NO

6.1.3 Would your country be favourable, over a **longer time horizon**, to amending the MoU to make it a legally-binding instrument? **[INF]**

NO VIEW (Use the text box to elaborate on your response, if necessary)

6.2 Secretariat and Advisory Committee

What efforts has your country made, or can it make, to secure funding to support the core operations of the IOSEA MoU (Secretariat and Advisory Committee, and related activities)? **[IND]**

> none

6.3 Resources to support implementation of the MoU

6.3.1 What funding has your country mobilised for **domestic** implementation of marine turtle conservation activities related to the IOSEA Marine Turtle MoU? Where possible, indicate the specific monetary values attached to these activities/programmes, as well as future plans. **[IND]**

> there is in-kind fund allocated for public awareness and rehabilitation efforts to conserve the suffered or injured turtles.

6.3.2 Has your country tried to solicit funds from, or seek partnerships with, other Governments, major donor organizations, industry, private sector, foundations or NGOs for marine turtle conservation activities? **[IND]**

NO

6.4 Coordination among government agencies

6.4.1 Has your country designated a lead agency responsible for coordinating national marine turtle conservation and management policy? If not, when is this information expected to be communicated to the IOSEA MoU Secretariat? **[IND]**

Please elaborate, as necessary.

YES

> Supreme Council for environment is the leading agency for coordinating national marine conservation and management

6.4.2 Are the roles and responsibilities of all government agencies related to the conservation and management of marine turtles and their habitats clearly defined? **[IND]**

Use the text box to elaborate.

YES

> but still not finalized

6.4.3 Has your country ever conducted a review of agency roles and responsibilities? If so, when, and what was the general outcome? If not, is such a review planned and when? **[SAP]**

This question seeks to ascertain whether Signatories have made a serious examination of which agencies have a role to play in marine turtle conservation, either directly or indirectly, and which therefore should be appraised of the IOSEA MoU and its provisions.

If no internal review of interagency roles and responsibilities has been or will be undertaken, please elaborate if only to indicate that the necessary arrangements are already clear and not in need of further review.

YES (Use the text box to elaborate)

> it is under review

