



Indian Ocean – South-East Asian Marine Turtle Memorandum of Understanding

IOSEA Marine Turtle MoU Secretariat, c/o UNEP Regional Office for Asia and the Pacific, 10th Floor, United Nations Building, Rajdamnern Nok Avenue, Bangkok 10200, Thailand; Tel: +(662) 288 1471 / Fax: +(662) 280 3829; E-mail: iosea@un.org

DRAFT REVISED TEMPLATE FOR THE SUBMISSION OF NATIONAL REPORTS

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GENERAL INFORMATION

<p>Signatory State:</p> <p>Which agency or institution has been primarily responsible for the preparation of this report?</p>
<p>List any other agencies, institutions, or NGOs that have provided input:</p>
<p>Memorandum in effect in Signatory State since (dd/mm/yyyy):</p>
<p>This report was last updated: (dd/mm/yyyy):</p>
<p>Designated Focal Point (and full contact details):</p>

INSTRUCTIONS FOR COMPLETION:

The purpose of completing the national reporting template 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 reporting template 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 on-line. Remember: you are also sharing information about your progress with other countries, and you can look at other countries' reports to get new ideas for marine turtle conservation that might be adapted to your context.

Comment boxes are provided next to most of the questions, to explain what information needs to be provided, and text boxes can be expanded to accommodate longer answers. Please save your information regularly before going to the next page.

Please submit the completed report to the Secretariat (iosea@un.org) by email, 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 I: REDUCE DIRECT AND INDIRECT CAUSES OF MARINE TURTLE MORTALITY

1.1 Threats to marine turtle populations and their habitats

Please list by name in the following box the nesting beaches, feeding areas and developmental habitats that are important for marine turtles in your country. |

Comment: Include details, such as province or state, to make identification easier. It is not necessary to provide geographic coordinates here; instead the site name and coordinates should be listed in the separate sheet for each site (see table below). These sheets will be displayed in a different section of the report.

Indicate for each site (with an "X") whether it is a nesting beach, feeding area or developmental habitat; and if possible mark (with an "X") the species found in each type of habitat. If the species occurring at a particular habitat is/are not known, leave the boxes blank and use "?" to indicate uncertainty. If a particular habitat type has not been marked, it will be assumed that it does not occur at that site.

Loggerhead *Caretta caretta* (CC); Olive Ridley *Lepidochelys olivacea* (LO); Green *Chelonia mydas* (CM)
 Hawksbill *Eretmochelys imbricata* (EI); Leatherback *Dermochelys coriacea* (DC); Flatback *Natator depressus* (ND)

Name of Site/Area	Geographic Coordinates (deg/sec/min)	Habitat Type	Species							Threats SEE ANNEX 1
			CC	LO	CM	EI	DC	ND	?	
		Nesting								
		Feeding								
		Develop								
		Nesting								
		Feeding								
		Develop								
		Nesting								
		Feeding								
		Develop								

Add more rows, as necessary. Using the data sheets given in Annex 1, describe the nature and intensity of exploitation and threats to marine turtles on the nesting beaches, feeding areas and developmental habitats that are considered to be important for marine turtles in your country. Use a separate sheet for each site to describe the nature of the exploitation / threats.

1.2 Best practice approaches to minimizing threats

1.2.1 Describe any protocol or approaches, which you consider exemplary, for minimising threats to marine turtle populations and their habitats, which may be suitable for adaptation and adoption elsewhere. |

Comment: Describe just a few "best practice" approaches that have been successful in your country, in sufficient detail to allow readers to judge whether they might be worth pursuing elsewhere. Examples might include community participation programmes, elements of national recovery plans, index beach monitoring protocols etc. Include references to published reports, where available.

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. _____

Comment: 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.

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

- High prices earned from turtle products relative to other commodities
- Lack of affordable alternatives to turtle products
- Inexpensive access to the turtle resource
- Low cost of land near nesting beaches
- Low penalties against illegal harvesting

Other1 (describe):

Other2 (describe):

Other3 (describe):

None of the above (explain)

1.3.3 Describe any actions your country has taken to try to correct these adverse economic incentives. _____

Comment: Provide sufficient detail on approaches that have shown some measure of success, including resources needed and already secured for their implementation.

1.4 Reduction of incidental capture and mortality

1.4.1 Which methods are used in your country to minimize incidental capture/mortality of marine turtles in fishing activities? _____

- Devices that allow the escape of marine turtles
- Release of turtles by fishermen
- Introduction of different hook types
- Spatial closures of fishing activities (i.e. banning fishing in certain areas)
- Seasonal closures of fishing activities

Other (list them):

None of the above

Comment: Please use the text box to describe more precisely the methods used, when/where they were introduced, any difficulties encountered, and general results obtained (i.e. successful/unsuccessful). Provide references to publications, where available.

1.4.2 What programmes has your country developed with the fishing industry and fisheries management organisations to promote implementation of measures to minimize incidental capture and mortality of turtles in national waters and in the high seas? | _____

- Onboard observer programmes
- Vessel monitoring systems
- Inspections (i.e. at sea, in port, at landing sites)
- Training programmes / workshops to educate fishers
- Videos, printed guidelines etc.
- Other (list them):

None of the above

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

1.4.3 Has your country exchanged information and provided technical assistance to other signatory States to promote these activities?

- YES NO ? If yes, please give details of the exchanges/technical assistance.

1.4.4 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? | _____

Comment: Please provide the relevant details (e.g. of the legislation adopted, measures undertaken etc.)

1.4.5 Has your country developed and/or implemented net retention and recycling schemes?

- YES NO ? Please give details.

1.5 Prohibition of harvest of, and trade in, marine turtles

1.5.1 Does your country have legislation to prohibit direct harvest and domestic trade in marine turtles, their eggs, parts and products? Please give details, including any exceptions made. | _____

- YES NO ? Please give details.

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

1.5.2 Please indicate the level and impact of traditional harvest on marine turtles and their eggs.

Level of harvest: HIGH MODEST LOW NONE UNKNOWN

Impact of harvest: HIGH MODEST LOW NONE UNKNOWN

Source of information (type the text box):

Comment: Where possible, provide the source of the information (i.e. detailed citations of published or unpublished reports/studies) used to make this assessment.

1.5.3 Have any (domestic) management programmes been established to limit the levels of intentional harvest?

YES NO ? Use the text box to give details.

1.5.4 Tick the boxes at left to indicate the economic uses and cultural values of marine turtles in your country. Then rate, on the following scale, the relative prevalence / importance of each consumptive or non-consumptive use:

- | | | | | | |
|--|-------------------------------|---------------------------------|------------------------------|-------------------------------|----------------------------------|
| <input type="checkbox"/> Meat consumption | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Egg consumption | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Shell products | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Fat consumption | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Traditional medicine | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Eco-tourism programmes | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Cultural / traditional significance | <input type="checkbox"/> HIGH | <input type="checkbox"/> MODEST | <input type="checkbox"/> LOW | <input type="checkbox"/> NONE | <input type="checkbox"/> UNKNOWN |

Other (list and rank):

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

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

Comment: Give details of any agreements already in place (including year concluded, parties involved) and any that are planned.

1.6 Nesting beach programmes

1.6.1 Has your country undertaken any evaluation of its nest and beach management programmes? [_____]

- YES NO ?

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

Comment: Please indicate when the evaluation took place, and provide a reference/contact for any published or unpublished reports.

1.6.2 Tick the boxes at left to indicate whether your country has any of the following measures in place to minimise the mortality of eggs, hatchlings and nesting females; then estimate the relative effectiveness of these measures. [_____]

- | | | | | | |
|---|------------------------------------|-------------------------------|------------------------------|------------------------------|----------------------------------|
| <input type="checkbox"/> Monitoring/protection programmes | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Education/awareness programmes | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Egg relocation/hatcheries | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Predator control | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Vehicle / access restrictions | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Removal of debris / clean-up | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Re-vegetation of frontal dunes | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Building location/design regulations | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Light pollution reduction | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> None of the above | <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> GOOD | <input type="checkbox"/> LOW | <input type="checkbox"/> N/A | <input type="checkbox"/> UNKNOWN |
| <input type="checkbox"/> Other (list them) | | | | | |

Comment: EXCELLENT = widespread, highly effective; GOOD = partly limited in scope or effectiveness; LOW = very restricted application, low efficacy; N/A (not applicable) = country does not apply the measure in question.

Use the text box to elaborate on your responses, if necessary, including any lessons learned that might be of value to other Signatory States.

OBJECTIVE II: PROTECT, CONSERVE AND REHABILITATE MARINE TURTLE HABITATS

2.1 Other measures to protect and conserve marine turtle habitats

2.1.1 What is being done to protect critical habitats **outside** of established protected areas? |

Comment: Examples might include education/awareness programmes, eco-tourism, community participation, cash incentive programmes, environmental awards, legislation etc.

2.1.2 Are assessments routinely made of the environmental impact of marine and coastal development on marine turtles and their habitats? |

YES NO ?

Use the text box to elaborate on your response.

Comment: Examples might include Environmental Impact Assessments (EIAs) of planning applications for coastal development, impact statements, marine debris surveys, eco-tourism assessments, port environmental reports etc. Where possible, give details of particular cases relevant to marine turtles.

2.1.3 Is marine water quality monitored, and what steps if any are taken to protect water quality near turtle habitats (including from marine debris)?

YES NO ?

Please give details. |

Comment: Indicate whether regular water sampling is done at important habitats for marine turtles; and whether it would be desirable and/or practical to adjust monitoring programmes accordingly.

2.1.4 What measures are in place to prohibit the use of poisonous chemicals and explosives? |

Comment: Give details of relevant legislation and enforcement action/penalties; including any recent measures to strengthen existing bans.

2.2 Rehabilitation of degraded marine turtle habitats

2.2.1 Are efforts being made to recover degraded coral reefs?

YES NO ? If yes, give details (location, duration, effectiveness, lessons learned etc.) |

Comment: Examples might include research studies, recovery plans, protection/rehabilitation, monitoring, reducing specific threats, relocating sewage outfall away from coral reefs etc. Provide sufficient details of the measures taken, especially those measures shown to have been effective in recovering degraded reefs.

2.2.2 Are efforts being made to recover degraded mangrove habitats?

YES NO ? If yes, give details (location, duration, effectiveness, lessons learned etc.) |

Comment: Examples might include research studies, mangrove replanting initiatives, restricting dredging activities and reclaiming of mangrove habitat etc. Provide sufficient details of the measures taken, especially those measures shown to have been effective in recovering degraded mangroves.

2.2.3 Are efforts being made to recover degraded sea grass habitats? If yes, give details (location, duration, effectiveness, lessons learned etc.)

YES NO ?

Comment: Provide sufficient details of the measures taken, especially those measures shown to have been effective in recovering degraded sea grass habitat.

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 on marine turtle populations and their habitats in your country | _____

Comment: Please provide as a minimum: the title, author and year of each study/report, journal reference, date of publication, and if possible a web link to the literature. If the list is extensive, divide into categories, such as information on nesting beaches, foraging, genetics etc.

3.1.2 Have **long-term** monitoring programmes (i.e. of at least 10 years duration) been initiated or planned for priority marine turtle populations?

YES NO ?

Please give details. | _____

Comment: Please indicate when the specific monitoring programmes began and, as appropriate, for which species. Mention whether they have been any breaks in data collection.

3.1.3 Has the genetic identity of marine turtle populations in your country been characterized?

YES NO ?

Please give details of this research. | _____

Comment: Please indicate in general terms the results of this research, particularly any findings that might have region-wide implications.

3.1.4 What studies have been / are being used to identify migration routes? Use the text boxes to provide additional details.

Tagging | _____

Genetic studies | _____

Comment: Please provide general details of the number of turtles tagged over how many years, mention any remarkable returns / recaptures. Indicate whether these tagging studies have helped to elucidate migration routes. Please refer to any relevant publications, and indicate plans for future work in this area.

Comment: Please give details of sampling locations, results and plans for future work in this area.

Satellite tracking | _____

Comment: Please indicate number of years studies have been undertaken, and give details of species tracked and results obtained to date. Please refer to any relevant publications, and indicate plans for future work in this area.

Other (list and provide details):

None of the above

None of the above

3.1.5 Have studies been carried out on marine turtle population dynamics and survival rates?

YES NO ? Please give details | _____

Comment: Please indicate the nature of the studies undertaken, time frames, main conclusions, and references to any published or unpublished reports.

3.1.6 Has research been conducted on the frequency and pathology of diseases in marine turtles?

YES NO ? Please give details | _____

Comment: Please indicate the nature of the studies undertaken, time frames, main conclusions, and references to any published or unpublished reports.

3.1.7 Is the use of traditional ecological knowledge in research studies being promoted?

YES NO ? If so, how? | _____

Comment: Please cite any published or unpublished reports, and describe in more detail how traditional knowledge is being used in research. Please comment on whether (and how often) your country shares traditional ecological knowledge with other Signatory States.

3.2 Collaborative research and monitoring

3.2.1 Have priority research and monitoring needs been identified and included in regional and sub-regional action plans? | _____

YES NO If yes, which plans?

Comment: Sub-regional frameworks, projects or other bilateral/multilateral arrangements that identify priority research and monitoring needs should be mentioned explicitly and briefly described. Examples might include: SEAFDEC, TIHPA, SEASTAR2000, IUCN Western Indian Ocean Action Plan etc.

3.2.2 On which of the following themes have **collaborative** studies and monitoring been conducted? Give brief details for each. Leave blank if the studies/monitoring do not involve international collaboration.

Comment: This question is meant to elicit information about studies and monitoring conducted with other countries, rather than domestic research conducted independently. Responses should focus on work that depends on the formation of unique partnerships in order to achieve a particular objective, and should describe the nature of the collaboration (e.g. who the other parties were and what work they did together). Supporting references, if available, would be helpful.

Genetic identity

Conservation status

Migrations

Other biological and ecological aspects

Other (describe)

3.3 Data analysis and applied research

3.3.1 List, in order of priority, the marine turtle populations in your country in need of conservation actions, and indicate their population trends.

Comment: Please identify clearly the turtle species/populations in question, indicate their trends (with references to any published studies, if possible), and order them in terms of priority for conservation action.

3.3.2 Are research and monitoring activities, such as those described above in section 3.1, periodically reviewed and evaluated for their efficacy?

YES NO ?

Comment: Please provide approximate dates when these reviews have been conducted, and indicate in general terms how the research and monitoring activities were adjusted in the light of the reviews' findings.

3.3.3 Describe how research results are being applied to improve management practices and mitigation of threats (in relation to the priority populations identified in 3.3.1, among others). | _____

Comment: By way of example, research results might have stimulated a change in hatchery management practices, shifted priorities/emphasis for mitigation of certain kinds of threats, highlighted urgent issues relating to habitat loss etc.)

3.4 Information exchange

3.4.1 Has your country undertaken any initiatives to standardise methods and levels of data collection?

YES NO ?

If yes, please give details of the agreed protocol(s). | _____

Comment: Protocols might relate *inter alia* to monitoring of nesting beaches, feeding ground studies, genetic sampling, and collection of mortality data etc. Signatory States are invited to send any examples of standard methods of data collection to the Secretariat, with a view to sharing them on the IOSEA web site.

3.4.2 To what extent does your country exchange scientific and technical information and expertise with other Range States? | _____

OFTEN (SYSTEMATICALLY) OCCASIONALLY RARELY NEVER

Comment: Such information might include details of ongoing research, new findings, innovative techniques, unusual levels of mortality, potential threats etc.)

3.4.3 If your country shares such information and expertise with other Range States, what vehicles have commonly been used for this purpose? Comment on any positive benefits/outcomes achieved through these interactions. | _____

Comment: Examples might include publications, international meetings / workshops, presentation of practical research etc. The intent of this question is to elicit responses about effective vehicles for promoting exchange of scientific and technical information, and the results of such exchanges.

3.4.4 Does your country compile data on marine turtle populations of a regional interest?

YES NO ?

Please give details. | _____

Comment: Examples might include national databases, mapping systems, information on migration and tagging etc that is held in one country, but might be of regional interest. More detailed descriptions of what is available might serve to prompt inquiries from other Signatories.

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, awareness and information programmes

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

Comment: Examples might include brochures, booklets, posters, newsletters, radio and TV shows, video documentaries etc. Please provide a descriptive inventory (e.g. titles and/or brief explanation of content, years of production or use, frequency of publication / airing, language versions, website addresses etc. - where applicable).

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.

- Policy makers
- Teachers
- School children
- Media
- Fishing communities
- Indigenous groups
- Local communities
- Military, Navy, Police
- Scientists
- Tourists
- Other (describe):
- None of the above

Comment generally on their efficacy, and indicate potential for specialised materials, such as videos, to be used or adapted for use in other countries. Indicate additional needs and plans (eg. for updates of existing material, wider geographic distribution, new materials etc.)

Please give further details:

Comment: Please provide additional information about the timing of these specialised interventions, report on any noteworthy successes, and indicate needs/future plans in this regard.

4.1.3 Have any community learning / information centres been established?

- YES NO

Please give details:

Comment: For example, indicate whether they are staffed full- or part-time, or only seasonally. Describe the extent to which these centres are frequented by the public, and their general impact, in terms of changes in peoples' behaviour in the vicinity of nesting beaches.

4.2 Alternative livelihood opportunities

Describe initiatives undertaken to identify and facilitate alternative livelihoods (including income-generating activities) for local communities. |

Comment: Please provide adequate detail, including information on time frames, cost, challenges faced/overcome, overall effectiveness, potential for replication elsewhere, and any future plans in this regard.

4.3 Public participation

4.3.1 Describe initiatives undertaken by your country to involve stakeholders and **local communities**, in particular, in the planning and implementation of marine turtle conservation programmes.. |

Comment: Please provide adequate detail, including information on challenges faced/overcome, overall effectiveness, potential for replication elsewhere, and any future plans in this regard.

4.3.2 Describe what incentives have been used to encourage public participation and indicate their efficacy. |

Comment: Incentives might include, for example, issuing T-shirts and caps in exchange for tag returns/injured turtles, public acknowledgement of volunteer work, certificates, educational booklets, safe-drinking water, contracts for nest protection etc.

Please provide detail on time frames, annual costs, challenges faced/overcome, effectiveness, funding sources and potential for replication elsewhere.

4.3.3 Describe initiatives undertaken to involve and encourage the cooperation of **Government institutions, NGOs** and the **private sector** in marine turtle conservation programmes. |

Comment: Initiatives might include development of national networks, formation of steering committees, involvement in workshops, sponsorship of events etc.

Please provide detail on time frames, annual costs, challenges faced/overcome, effectiveness, funding sources and potential for replication elsewhere.

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 CITES obligations in relation to marine turtles?

YES NO ?

If yes, please elaborate briefly, |

Comment: Please provide references to any published reports (e.g. already prepared for CITES purposes) that give a more ample explanation.

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

YES NO ?

If yes, please provide details of these training programmes. |

Comment: Please provide references to any published reports (e.g. already prepared for CITES purposes) that give a more ample explanation.

5.1.3 Does your country have in place mechanisms to identify *international* illegal trade routes (for marine turtle products etc.) and to cooperate with other States to prevent/deter/eliminate illegal trade?

YES NO ?

Please give details. |

Comment: 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.

5.1.4 Which international compliance and trade issues has your country raised for discussion (e.g. through the MoU Secretariat, at meetings of Signatory States etc.)?

5.1.5 Describe measures in place to prevent, deter and eliminate *domestic* illegal trade in marine turtle products. |

Comment: For example, domestic measures might include legislation, monitoring, interagency collaboration, identification of enforcement gaps, training, education / awareness etc.

5.2 Development and implementation of national action plans

5.2.1 Has your country developed a set of key management measures that have been or could be used as a basis for more specific action plans at a *national* level?

YES NO ? If yes, please elaborate, _____

Comment: For example, such measures might be included in existing national action / recovery / management plans etc. Please provide general information about these plans (title, geographic scope, year of introduction etc.) and indicate whether or not they are subject to regular review.

5.2.2 Please tick the boxes at left to indicate those *local* management issues for which you consider *international* cooperation is needed to achieve progress; then rate the extent to which you consider international cooperation is necessary. (Leave tick boxes blank if you do not consider any item not to require international cooperation.)

HOW NECESSARY IS INTERNATIONAL COOPERATION?

- | | | | |
|---|------------------------------------|------------------------------------|---------------------------------------|
| <input type="checkbox"/> Illegal fishing in territorial waters | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Incidental capture by foreign fleets | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Enforcement/patrolling of territorial waters | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Hunting/harvest by neighboring countries | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Poaching, illegal trade in turtle projects | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Gear technology | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Oil spills, pollution, marine debris | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Training / capacity-building | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Alternative livelihood development | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Identification of turtle populations | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Identification of migration routes | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Tagging / satellite tracking | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Habitat studies | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |
| <input type="checkbox"/> Genetics studies | <input type="checkbox"/> ESSENTIAL | <input type="checkbox"/> IMPORTANT | <input type="checkbox"/> ONLY LIMITED |

Use the text box to list and rank any other local management issues for which international cooperation is needed to achieve progress.

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. _____

Comment: Some examples might include ASEAN-SEAFDEC, ROPME, Nairobi Convention-IOSEA Marine Turtle Task Force in the Western Indian Ocean.

5.3.2 Has your country developed, or is it participating in, any networks for cooperative management of shared populations?|

YES NO ? If yes, give details.

Comment: These might include the establishment of transboundary marine protected areas.

5.3.3 What steps has your country taken to obtain data on incidental capture (i.e. from domestic sources and from regional fisheries bodies)?

5.3.4 What steps has your country taken to encourage RFBs to adopt marine turtle conservation measures within EEZs and on the high seas?

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.|

Comment: Where specific needs are identified (eg. skilled personnel, specialised training, facilities, field equipment etc.) please indicate how marine turtle conservation activities are presently impaired on account of their unavailability (eg. inability to carry out regular surveys, to conduct certain types of research, to monitor certain parts of the range etc.) This information may be useful for compiling a general picture of deficiencies and resource needs that could be presented to potential programme sponsors.

5.4.2 Describe any training provided in marine turtle conservation and management techniques (e.g. workshops held, training manuals produced etc.)|

Comment: Please provide sufficient detail (mentioning time frames, numbers trained, frequency of repetition, titles of publications produced etc.) to give a clearer picture of their efficacy, possible need for more activities, and potential synergies with other programmes, which could avoid unnecessary duplication.

Please comment if any of these programmes have been coordinated nationally or regionally; and mention plans for future training workshops and development of training materials.

5.4.3 In relation to capacity-building, describe any partnerships developed with universities, research institutions, training bodies and other relevant organisations.

Comment: Please describe these partnerships in detail, particularly if they bring any innovative approaches to turtle conservation and management that might be of interest or relevance to other Signatory States, as models of best practice.

5.5 Enforcement of conservation legislation

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

YES NO ?

Please give details.

Comment: Please describe the nature of the review being, or having been, undertaken (e.g. identify the legislation or regulation in question; give timeframes for the initiation and expected or actual completion of the review; and possibly indicate whether there is a specific reason that necessitated the review).

5.5.2 From the standpoint of law enforcement, has your country experienced any difficulties receiving cooperation to ensure compatible application of laws across and between jurisdictions?

YES NO ?

Please give details

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

6.1 MoU membership and activities

6.1.1 What has your country done to encourage other States to sign the MoU? [_____]

Comment: This could include presentations, bi-lateral meetings, organisation of sub-regional workshops that presented opportunities to raise awareness of the MoU, facilitating attendance of delegates to IOSEA meetings etc.

6.1.2 Is your country **currently** favourable to amending the MoU to make it a legally binding instrument?

YES NO NO VIEW

6.1.3 Would your country be favourable, in a longer time horizon, to amending the MoU to make it a legally-binding instrument?

YES NO 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)? [_____]

Comment: Describe, in general terms, actual or potential (organisational) sources of annual funding.

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? [_____]

Comment: Please mention the funding agencies involved at various levels (national, state/provincial etc).

6.3.2 From your country's perspective, which conservation and management activities ought to be among the highest priorities for funding (list up to 10 activities from the CMP). Please specify whether these activities should be taken domestically or in partnership with other States in the region. [_____]

Comment: Include, where appropriate, more precise information on the scope of the activity (domestic or international), other actors that may need to be involved, and approximate time frames within which the programme of work, ideally, would be conducted. Refer to the IOSEA website for details of the Conservation and Management Plan.

6.3.3 Has your country tried to solicit funds from, or seek partnerships with, other Governments, major donor organisations, industry, private sector, foundations or NGO's for marine turtle conservation activities?

YES NO If yes, give details of the approaches made (both successful and unsuccessful).

Comment: Please give details of successful approaches made (including approximate amounts, time frames) etc. Mention also unsuccessful attempts (eg. projects submitted to GEF or other major donors, that were rejected), so that lessons might be learned from these experiences.

6.3.4 Describe any initiatives made to explore the use of economic instruments for the conservation of marine turtles and their habitats.

Comment: Examples might include revenue generation through eco-tourism, soft loans, taxation etc. Please comment on the cost effectiveness of such initiatives, eg: the amount of revenue generated, numbers of people taking part, benefits to the local community, as well as mitigating factors such as possible increased disturbance, degradation of habitat etc.)

6.4 Coordination among government and non-government sectors

6.4.1 Has your country conducted a review of the roles and responsibilities of government agencies related to the conservation and management of marine turtles and their habitats?

YES NO ? Use the text box to elaborate.

Comment: Please elaborate on when the review was or will be conducted, and what the general outcome was. 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.

6.4.2 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?

YES NO Please give details.

Comment: Please consult the IOSEA website (under Membership/Focal Points) for the latest information made available to the Secretariat.

Other remarks

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

Additional information / remarks:

ANNEX 1: INTENSITY OF THREATS TO MARINE TURTLES ON NESTING BEACHES, IN FEEDING AREAS AND IN DEVELOPMENTAL HABITATS (Supplementary information)

Name of site/area:

PLEASE COMPLETE A SEPARATE SHEET FOR EACH SITE (COPY and APPEND)

Threats at this site/area (Tick, as appropriate; leave blank if uncertain)	Unknown	None	Little	Moderate	Strong
Exploitation of nesting females					
Exploitation of live animals at sea					
Egg collection					
Incidental capture in fisheries					
Boat strikes					
Plastics (at sea)					
Industrial effluent					
Inshore oil pollution					
Agricultural/urban development					
Artificial lighting					
Coastal erosion					
Vehicles					
Sand mining					
Natural threats/predation					
Other (type in):					

What measures have been introduced to remove threats to marine turtles at this particular site?

- Monitoring / protection programmes
- Education / awareness programmes
- Egg relocation / hatcheries
- Fishing gear modification requirements
- Designation/management of protected areas, sanctuaries, exclusion zones etc.
- Regulations on building location / design
- Regulations on artificial lighting
- Vehicle / access restrictions
- Removal of debris / beach clean-up
- Predator control

Other (list)

Please give further details

Attachment: Documented Changes to the National Reporting Template

The following table describes the main revisions that have been made to the reporting template. Minor changes in wording that do not affect the substance of the question are not mentioned, nor are additions of explanatory "Comment boxes", which are self-evident. In most cases, the rationale for the amendments is given in Document MT-IOSEA/SS.3/Doc. 7.2 (Annex) and is not repeated here.

NB: In the following table, old deleted questions are highlighted in **bold**

Question number	Revision	Text of original (former) question
1.1	Clarified where to indicate geographic coordinates. Added possibility to specify particular species against each of the three habitat types (nesting, feeding, developmental)	
1.2.1	Modified wording to align it more closely with the CMP, and deleted original Question 1.2.2	Describe any protocols or approaches for conserving and managing marine turtle populations which you consider to be exemplary and suitable for adoption elsewhere in the region.
1.2.2	Deleted	Which best practice approaches has your country adapted and/or adopted with success?
1.3.2	Modified wording of question, and transformed response options into a menu.	Which economic incentives are in need of modification in your country in order to reduce threats to and mortality of marine turtles?
1.3.3	Simplified wording	Describe any progress made towards implementing modifications to these economic incentives, as well as resources needed and already secured for their implementation.
1.4.1	Modified wording, added some menu options	Which gear, devices and techniques have been developed and/or are used in your country to minimize incidental capture of marine turtles?
1.4.2	Expanded question to incorporate elements of 1.4.3 (deleted) and introduced menu approach	1.4.3 Describe any procedures or training programmes developed to promote implementation of these measures (e.g. vessel monitoring systems, inspections, on-board observer programmes etc.
1.4.3	Renumbered from former 1.4.4	
1.4.4	Minor rewording, renumbering	
1.4.5	Renumbered from former 1.4.6	
1.4.7	Deleted	Does your country provide and ensure the use of port facilities for the disposal of ship-borne waste?
1.5.1	Minor rewording	
1.5.2	Removed one text box	
1.5.3	Minor rewording	
1.5.4	Reformulated question to incorporate scale of importance	What are the cultural and traditional values, and economic uses of marine turtles in your country (consumptive and non-consumptive)?
1.5.5	Modified wording to align it more closely with the CMP	Describe any management agreements being negotiated, or already in place, with other concerned States in relation to sustainable levels of traditional harvest.
1.6.1	Minor rewording	
1.6.2	Reformulated question to integrate 2.1.3 (deleted), 2.2.1 (deleted) and 2.2.2 (deleted) and to incorporate a scale of effectiveness	What measures are in place to minimise or reduce the mortality of eggs, hatchlings and nesting females (including that caused by feral and domestic animals)? 2.1.3 In general terms, what measures are in place to manage and regulate the use of beaches and dunes?

		2.2.1 Have any efforts been made to re-vegetate frontal dunes at nesting beaches? If yes, give details (location, timing, effectiveness etc.) 2.2.2 Are efforts being made to remove debris that impedes turtle nesting and hatchling production? If yes, give details (location, timing, effectiveness etc.)
2.1.1	Simplified wording	
2.1.2	Minor rewording	
2.1.3	Minor rewording, Renumbered from former 2.1.4	
2.1.4	Minor rewording, Renumbered from former 2.1.5	
2.2.1	Minor rewording, Renumbered from former 2.2.3	
2.2.2	Split to separate out sea grass habitat, Renumbered from former 2.2.4	Are efforts being made to recover degraded mangrove and seagrass habitats? If yes, give details (location, timing, effectiveness etc.)
2.2.3	New question to focus only on sea grass habitat	
3.1.1	Reformulated question	Have baseline studies been conducted or other information gathered on marine turtle populations and their habitats in your country? If yes, cite any available relevant literature.
3.1.2	Reformulated question	Are <i>long-term</i> monitoring programmes in place for priority marine turtle populations? If yes, give details.
3.1.3	Simplified wording	
3.1.4	Minor rewording	
3.1.5	Minor rewording	
3.1.6	Minor rewording	
3.1.7	Integrates 3.4.4 (deleted)	3.4.4 To what extent does your country disseminate traditional knowledge on marine turtles?
3.1.8	Moved to 3.3.2	
3.2.1	No change	
3.2.2	Deleted "None of the above option"	
3.3.1	Minor rewording	
3.3.2	Moved from former 3.1.8 , slightly reworded	
3.3.3	Reformulated question; dispensed with menu approach	In what areas are research results being used to improve the efficacy of conservation actions:
3.4.1	Minor rewording	
3.4.2	Renumbered from former 3.4.3	
3.4.3	Reformulated question	
3.4.4	Deleted	
3.4.4	Renumbered from former 3.4.5	
4.1.1	Reformulated question to incorporate former 4.1.3 (deleted), 5.3.2 (deleted), 5.3.3 (deleted)	4.1.3 Have any mass media information programmes been developed and implemented? If yes, give details. 5.3.2 Does your country have or contribute to any web-sites or newsletters to facilitate networking and information exchange? 5.3.3 What material can your country contribute to the development of a web-based information resource for marine turtle conservation? (now available at www.ioseaturtles.org)
4.1.2	Renumbered from former 4.1.4 and expanded menu options	

4.1.3	Renumbered from former 4.1.2	
4.2	No change	
4.3.1	Minor rewording	
4.3.2	Reformulated question to dispense with menu approach; renumbered from former 4.3.3	
4.3.3	Reformulated question; now incorporates former 6.4.3 (deleted)	6.4.3 Describe any initiatives that have been undertaken to encourage cooperation within and among government and non-government sectors (e.g. development of national networks, formation of steering committees etc.)
5.1.1	Deleted	
5.1.1	Renumbered from former 5.1.2	
5.1.2	Minor rewording, renumbered from former 5.1.3	
5.1.3	Minor rewording, renumbered from former 5.1.4	
5.1.4	Minor rewording, renumbered from former 5.1.5	
5.1.5	Minor rewording, renumbered from former 5.1.6	
5.2.1	Reworded; now integrates 5.2.2 (deleted), and 5.2.4 (deleted)	5.2.1 Has your country taken steps towards developing a set of key management measures to be used as a basis for more specific action plans? If yes, give details. 5.2.2 What existing action plans are being considered as possible models? 5.2.4 Are the national, sub-regional and regional action plans in which your country is involved subject to regular review?
5.2.2	Reformulated question to use a menu approach and incorporate a scale of importance; renumbered from former 5.2.3	
5.3.1	Reformulated question; now integrates 6.3.7 (deleted)	5.3.1 Identify what you consider to be useful existing (or potentially useful) mechanisms for cooperation in relation to marine turtle conservation and management at the sub-regional level. What initiatives has your country taken to try to strengthen these mechanisms? 6.3.7 In what way has your country promoted synergies with other regional/global convention secretariats?
5.3.2	Renumbered from former 5.3.5	
5.3.3	Reformulated question to split former 5.3.9 into two parts	5.3.9 What steps has your country taken to secure data on incidental capture and to encourage them to adopt marine turtle conservation measures within EEZs and on the high seas?
5.3.4	Second part of former 5.3.9	
5.3.2	Deleted (incorporated in 4.1.1)	
5.3.3	Deleted (incorporated in 4.1.1)	
5.3.4	Deleted	
5.3.6	Deleted	
5.3.7	Deleted	
5.3.8	Deleted	
5.4.1	Reformulated question	What capacity-building needs does your country have in terms of human resources, knowledge and facilities?

5.4.2	No change; now integrates former 5.4.3 (deleted)	
5.4.3	Renumbered from former 5.4.4	
5.4.3	Deleted; integrated into 5.4.2	5.4.3 How have training programmes, workshops etc. been coordinated nationally and regionally (in order to avoid duplication of effort and to achieve economies of scale)?
5.5.1	No change	
5.5.2	Reformulated question	Have any problems been encountered in relation to cooperation in law enforcement to ensure compatible application of laws across and between jurisdictions? If yes, please give details.
6.1.1	Reformulated to integrate former 6.1.2 (deleted)	6.1.2 List any sub-regional workshops held which provided an opportunity to raise awareness of the MoU.
6.1.2	Reformulated question to split former 6.1.3 into two parts	6.1.3 Is your country favourable towards amending the MoU in the future with a view to making it a legally-binding instrument?
6.1.3	Newly formulated second part	
6.2	Reformulated former 6.2.1 to split into two parts	6.2.1 What has your country done to secure reliable sources of funding to support the MoU secretariat and implementation of the MoU?
6.3.1	Reformulated second part of former 6.2.1	
6.3.2	Added wording for clarification	
6.3.3	Reformulated question to integrate former 6.3.3 (deleted), 6.3.5 (deleted), 6.3.8 (deleted)	6.3.3 Has any funding and other contributions been solicited from industries impacting marine turtles and their habitats? If yes, give details of the approaches made (successful or unsuccessful). 6.3.5 Have the private sector, foundations and NGOs been approached to catalyse the creation of a small grants fund? 6.3.8 Has your country explored (and secured) international funding support or other incentives for effectively managing marine turtle populations?
6.3.4	No change; now integrates former 6.3.6 (deleted)	6.3.6 Describe any managed ecotourism or other projects that have generated funding for conservation and management activities.
6.4.1	Simplified wording	
6.4.2	No change	
6.4.3	Deleted; integrated in 4.3.3	
Annex 1	Changed "Not applicable" category to "Unknown"	
Annex 1	Added more mitigation measures to the list	