

Part III: Criteria for Evaluation of IOSEA National Reports

1. Objective evaluation criteria have been developed for assessing the responses to each of the 80 questions/activities in the IOSEA national reporting template (Attachment 1). These criteria are the basis upon which each activity reported by the Signatory States has been rated, on a scale from 1.0 to zero. For most activities, three to five descriptions are available to choose from.
2. When reviewing the criteria, which are meant to be read alongside the national reporting template (Attachment 2), a number of general remarks are important to keep in mind:
 - The criteria have been developed with an underlying philosophy that while it is necessary for Signatories to report on what they have done (i.e. *outputs*), it is even more important to concentrate on the *outcomes* actually achieved (i.e. the effectiveness of the actions taken). Accordingly, the criteria strive to place more of an emphasis on implementation, rather than the act of reporting *per se*. As far as possible, they have been constructed in a way that tries to give primacy to whether or not an activity has been carried out effectively, over whether or not it has been reported on.
 - The highest rating of 1.0 has been reserved for activities that meet the highest standard of implementation and reporting, including a critical assessment of the efficacy of the measures taken. One might argue that this ideal may be difficult to achieve in the real world, even for the most developed countries; however, if the standard is set lower than this – for example, neglecting any measure of real effectiveness – the goal of conservation that the IOSEA Marine Turtle MoU is aiming to achieve would not be well-served.
 - The States participating in the IOSEA Marine Turtle MoU are very diverse, particularly in terms of their capacity to implement its provisions and to report comprehensively on what actions they have undertaken. The evaluation criteria cover some 80 topics, with an average of about four potential ratings per topic – for a total of over 300 separate descriptions. In developing and applying criteria to a wide range of responses of countries with different socio-economic circumstances, it is difficult in every single case to achieve a “perfect fit” between the scoring criterion and a particular response. In general, however, a reasonable approximation has been achieved and the criteria have proved themselves to be broadly applicable.
 - It is possible that the Secretariat and a Signatory State may interpret a question, and the response to a given question, differently. The latter can easily arise when only minimal information has been provided in relation to a particular activity – i.e. where the Signatory has not given a full description of what is really happening in practice. This ambiguity can easily be rectified through more detailed reporting. Nevertheless, in unclear cases, Signatory States have generally been given the “benefit of the doubt” and have been scored at least as highly as the response justifies.
 - Given that the Secretariat had to evaluate the national reports of 25 Signatory States, generating a total of about 2000 unique pieces of information that needed to be examined, it is inevitable that some inadvertent mistakes in scoring have occurred. The Secretariat would appreciate having any obvious discrepancies brought to its attention bilaterally.
3. The purpose of analysing the national reports so thoroughly, and of presenting the criteria transparently, is to allow Signatory States to see how their reports could be improved and, more importantly, where their implementation could be strengthened to be more effective. Indeed, a close examination of the evaluation criteria themselves may assist Signatory States to better respond to individual questions in the national report, simply by virtue of the fact that they illustrate ‘best practice’ for each activity.
4. If there is interest and time available during the meeting to examine and refine the generic evaluation criteria, a working group might be convened for that purpose.



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

IOSEA Administrative Console

CRITERIA FOR EVALUATING IOSEA NATIONAL REPORTS - 2008

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

- 1.00=** Marine turtle populations/species and their habitats are summarised and their status indicated. The country's main challenges and achievements in marine turtle conservation are summarised to provide a succinct overview of the current situation.
- 0.75=** Marine turtle populations/species and their habitats are summarised and their status indicated, at least in part. Some mention is made of the the country's main challenges and achievements in marine turtle conservation.
- 0.50=** Some information is provided on marine turtle populations/species, habitats and status, but details of the country's main challenges and achievements in marine turtle conservation are incomplete.
- 0.25=** Little information is provided on marine turtle populations and their habitats; nor on the country's main challenges and achievements in marine turtle conservation.
- 0.00=** No information is provided.

1.2.1 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.

- 1.00=** A variety of successful 'best practice' protocols or approaches are in place. These are described in detail, with particular reference to their effectiveness and transferability; at least one measure is reported as exemplary and may be suitable for adaptation elsewhere.
- 0.75=** A variety of 'best practice' protocols or approaches are in place and are at least partly described, in terms of their methodology. Partial information is provided on their effectiveness and suitability for adaptation elsewhere.
- 0.50=** A variety of protocols or approaches are listed. Little or no information is given about the methodology used, their effectiveness, or their suitability for adaptation elsewhere.
- 0.25=** A number of basic activities are listed only. without any reference to their effectiveness, and without additional information on which to gauge their suitability for adaptation elsewhere.
- 0.00=** No information is provided.

1.3.1 Describe any socio-economic studies or activities that have been conducted among communities that interact with marine turtles and their habitats.

- 1.00=** Socio-economic studies or activities have been conducted, are in progress, or are about to start. Their content (objectives, methodology) is fully described. If completed, outcomes (successful or otherwise) are summarised. OR: Not applicable (i.e. no inhabitants present to interact with
- 0.75=** Socio-economic studies or activities have been conducted, are in progress, or are about to start. Their content (objectives, methodology) are partly described. Some information is available on the outcome of completed studies or activities.
- 0.50=** Socio-economic studies or activities are listed; partial details are provided of their nature or outcomes (if completed).
- 0.25=** Socio-economic studies or activities are listed only. No other information is provided.
- 0.00=** No socio-economic studies or activities have been conducted or no information is provided.

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

- 1.00= Adverse economic incentives that are threats to marine turtles are indicated and explained, where necessary. If none is listed, a clear explanation is given to account for this favourable situation.
- 0.75=

- 0.50= Adverse economic incentives that are threats to marine turtles are indicated, without further explanation.

- 0.25= There are apparently no adverse economic incentives presently threatening marine turtles, but no explanation is given to account for this favourable situation.

- 0.00= No information is provided.

1.3.3 Has your country has taken any measures to try to correct these adverse economic incentives?

- 1.00= Actions taken to correct adverse economic incentives, including their effectiveness and resource implications are described in detail. The actions taken are reported to be broadly effective.
OR: Not applicable (i.e. no adverse economic incentives exist)
- 0.75= Actions taken to correct adverse economic incentives are described; their effectiveness and resource implications are mentioned. The actions taken are reported to be at least partly effective.
- 0.50= Some actions taken to correct adverse economic incentives are described; insufficient information is provided to assess their effectiveness.

- 0.25= Some actions taken to correct adverse economic incentives are mentioned; no further details are provided.

- 0.00= No actions taken, no information provided, or no explanation is given of a N/A response.

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 could possibly interact with marine turtles.

- 1.00= Each of the main fisheries known to interact with marine turtles is indicated. Each is adequately described in terms of geographic distribution and operating capacity.
OR: No fisheries are operating that interact with marine turtles (= None of the above)
- 0.75= Each of the main fisheries known to interact with marine turtles is indicated. Most are at least partly described in terms of geographic distribution and operating capacity.
- 0.50= The main fisheries are indicated. The descriptions of geographic distribution and operating capacity may be incomplete for some of these.
- 0.25= At least some of the main fisheries are indicated, but there are few if any descriptions of geographic distribution and operating capacity.
- 0.00= No information is available.

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).

- 1.00= Relative fishing effort and impact on marine turtles are indicated for each fishery, including explicit mention of those fisheries not operating (indicated by 'None'). Further explanations and detailed information sources are provided for each fishery.
- 0.75= Relative fishing effort and impact on marine turtles are indicated for most fisheries, but may be incomplete in some respects for some fisheries, or are unknown. Further explanations and detailed information sources are provided for most fisheries.

0.50=	Relative fishing effort and impact on marine turtles are indicated for some fisheries, but are incomplete in some respects for some fisheries, or are unknown. Further explanations and detailed information sources are provided for some fisheries.	<input type="checkbox"/>
0.25=	Relative fishing effort and impact on marine turtles are indicated for some fisheries, but are generally unknown or are not indicated. Further explanations and detailed information sources are generally absent.	<input type="checkbox"/>
0.00=	Little or no information is provided.	<input 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.

1.00=	Illegal fishing known to impact marine turtles is identified and reported; and effectiveness of mitigation measures put in place and any difficulties encountered are described in detail. The measures to deal with such illegal fishing are reported to be broadly effective.	<input type="checkbox"/>
0.75=	Illegal fishing known to impact marine turtles is identified and reported; some mitigation measures are in place or planned, and are partly described.	<input type="checkbox"/>
0.50=	Illegal fishing practices are at least partly identified and reported. As yet, few if any effective mitigation measures are in place or planned, or none is reported.	<input type="checkbox"/>
0.25=	Illegal fishing practices are incompletely or not described; mitigation measures are not in place or not reported.	<input type="checkbox"/>
0.00=	No information is available.	<input type="checkbox"/>

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

1.00=	Most, if not all, of the mitigation measures are practiced. The methods/measures used are described in more detail, along with a statement of their efficacy, any difficulties encountered, and future plans. In general, the measures are reported to be broadly effective.	<input type="checkbox"/>
0.75=	At least half of the mitigation measures are practiced. Further details are given of the mitigation measures; information about their efficacy, difficulties encountered, or future plans may be only partly complete.	<input type="checkbox"/>
0.50=	At least two of the mitigation measures are practiced or are under investigation, and partial details are provided.	<input type="checkbox"/>
0.25=	At least one mitigation measure is practiced, but in most cases few additional details are provided.	<input type="checkbox"/>
0.00=	None of the mitigation measures is practiced (i.e. 'None of the above' is ticked) or no information is provided.	<input type="checkbox"/>

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?

1.00=	Most, if not all, of the programmes/measures are in place. They are described in full detail, along with a statement of their efficacy, any difficulties encountered, and future plans. In general, the programmes or measures are reported to be broadly effective.	<input type="checkbox"/>
0.75=	At least half of the programmes/measures are in place. Further details are given of the programmes or measures; information about their efficacy, difficulties encountered, or future plans may be incomplete.	<input type="checkbox"/>
0.50=	At least two of the programmes/measures are in place, and partial details are provided.	<input type="checkbox"/>
0.25=	Some of the programmes/measures are in place, but in most cases no further details are provided.	<input type="checkbox"/>
0.00=	No programmes have been developed with the fishing industry and fisheries management organisations; or no information is provided.	<input type="checkbox"/>

1.4.6 Are the mitigation measures described in 1.4.4 and 1.4.5, periodically reviewed and evaluated for their efficacy?

1.00=	Mitigation measures are periodically reviewed and evaluated for their efficacy; the nature and outcomes of reviews are reported in detail.	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	Mitigation measures are periodically reviewed and evaluated for their efficacy. The nature and outcomes of reviews are partially reported.	<input type="checkbox"/>
0.25=	Mitigation measures are periodically reviewed and evaluated for their efficacy, but no information is given on the nature or outcomes of reviews.	<input type="checkbox"/>
0.00=	Mitigation measures are not periodically reviewed and evaluated (no details given); it is not known if they are periodically reviewed and evaluated; or no information is given.	<input type="checkbox"/>

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)?

1.00=	Significant data collection and research and development activities to reduce turtle bycatch have been undertaken and are described in detail, including their practical application. The impact of the mitigation measures on other species is reported to have been assessed.	<input type="checkbox"/>
0.75=	Many data collection and research and development activities to reduce turtle bycatch have been undertaken, or are in progress, and they are at least partly described.	<input type="checkbox"/>
0.50=	Some data collection and research and development activities to reduce turtle bycatch have been undertaken or are in progress, but they are insufficiently described. The impact of the mitigation measures on other species is not indicated or mentioned only in passing.	<input type="checkbox"/>
0.25=	Few data collection or research and development activities to reduce turtle bycatch have been undertaken or they are insufficiently described.	<input type="checkbox"/>
0.00=	No data collection or research and development activities to reduce turtle bycatch have been undertaken or no information is provided.	<input type="checkbox"/>

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?

1.00=	Information and/or technical assistance has been provided to at least one other Signatory State; details of these exchanges are given.	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	Information and/or technical assistance has been provided to at least one other Signatory State; but few or no details of these exchanges are given.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	Information and technical assistance has not been provided to other Signatory States, it is not known if such exchanges have occurred, or no information is provided.	<input type="checkbox"/>

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?

1.00=	Legislative and/or practical measures have been taken in support of the UN moratorium; the nature and effectiveness of these actions are detailed.	<input type="checkbox"/>
0.75=		<input type="checkbox"/>

- 0.50= Legislative and/or practical measures have been taken in support of the UN moratorium; the nature and effectiveness of these actions are partially reported.
- 0.25=
- 0.00= Legislative or practical measures to support the UN moratorium on large-scale driftnets have not been taken or no information is available.

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?

- 1.00= Comprehensive legislation is in place to prohibit direct harvest and domestic trade in marine turtles. Full details of the legislation are given, including title and information on penalties and any exemptions. Mention may be made of its effectiveness, in terms of enforcement and prosecution
- 0.75= Legislation is in place to prohibit direct harvest and domestic trade in marine turtles. From the general description given, its coverage appears complete. Some specific details (eg. precise title, and information on penalties and exemptions) may be incomplete.
- 0.50= Legislation is in place to prohibit direct harvest and domestic trade in marine turtles; and it is partly described.
- 0.25= No legislation is currently in place to prohibit direct harvest and domestic trade in marine turtles, but consideration is being given to introduce such legislation in the near future.
- 0.00= No legislation to prohibit direct harvest and domestic trade in marine turtles, their eggs, parts and products is in place, or no information is provided.

1.5.2 Which, among the following list, are economic uses and cultural values of marine turtles in your country? Please rate the relative prevalence / importance of each consumptive or non-consumptive use.

- 1.00= Economic uses or cultural values of marine turtles are indicated; and their relative prevalence / importance is known and rated in all cases. Further explanation is given, where necessary.
- 0.75= Economic uses or cultural values of marine turtles are indicated; and their relative prevalence / importance is known and rated in most cases.
- 0.50= Economic uses or cultural values of marine turtles are indicated; and their relative prevalence / importance is unknown or not rated in some cases.
- 0.25= Economic uses or cultural values of marine turtles are indicated; and their relative prevalence / importance is unknown or not rated in most cases (suggesting a need for further study).
- 0.00= Little or no information is provided.

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

- 1.00= The relative level and impact of traditional harvest on marine turtles and their eggs is indicated, and sources of information/studies are well referenced, giving the impression of active management. OR: Overall, the harvest (if any harvest occurs) is reported to have little or no
- 0.75= The relative level and impact of traditional harvest on marine turtles and their eggs is indicated, and sources of information are partly cited.
- 0.50= The relative level and impact of traditional harvest on marine turtles and their eggs is indicated, however few or no sources of information are cited to support the finding.
- 0.25= One or both aspects of the level and impact of traditional harvest on marine turtles and their eggs is unknown or not rated; and/or the sources of information cited to support the finding are incomplete.
- 0.00= The relative level and impact of traditional harvest on marine turtles and their eggs is not known or not rated, and no further mitigating explanation is offered.

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

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

1.00=	Domestic management programmes to limit intentional harvest are in place; their nature and effectiveness are described in detail. The programme(s) is/are broadly effective. OR: Not applicable (i.e. no intentional harvest whatsoever occurs)	<input type="checkbox"/>
0.75=	Domestic management programmes to limit intentional harvest are in place; their nature and effectiveness are partly described. The programme(s) is/are at least partly effective.	<input type="checkbox"/>
0.50=	Domestic management programmes to limit intentional harvest are in place. Partial details are provided, but not enough information is available to assess their effectiveness.	<input type="checkbox"/>
0.25=	Domestic management programmes to limit intentional harvest are in place, but no additional information is provided.	<input type="checkbox"/>
0.00=	Domestic management programmes to limit intentional harvest have not been established; it is unknown if they have been established, or no information is available.	<input type="checkbox"/>

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.

1.00=	Effective management agreements are in place with one or more States and their content is fully described, including details of the year concluded, parties involved and their effectiveness. OR: Not applicable (i.e. no traditional harvest whatsoever occurs)	<input type="checkbox"/>
0.75=	Management agreements are in place with one or more States; their content and/or effectiveness is partly described.	<input type="checkbox"/>
0.50=	Management agreements are in place with one or more States, but few details are given about their content and/or effectiveness. OR: Management agreements are in preparation with one or more States, and their content and current negotiation status are described.	<input type="checkbox"/>
0.25=	Management agreements are planned with other States, but few additional details are provided about their content.	<input type="checkbox"/>
0.00=	No management agreements are currently in place or planned with other States, or no information is provided.	<input type="checkbox"/>

1.6.1 First, select one of the options at left 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.

1.00=	Most, if not all, of the conservation measures are practiced. The methods/measures used are described in more detail, along with a brief statement of their efficacy, lessons learned and any difficulties encountered. The effectiveness of the measures is generally 'good' to 'excellent'.	<input type="checkbox"/>
0.75=	At least five of the conservation measures are practiced. The methods/measures used, their efficacy, lessons learned, and any difficulties encountered are at least partly described. If rated, the effectiveness of the measures is generally 'good' to 'excellent'.	<input type="checkbox"/>
0.50=	At least three of the conservation measures are practiced. The methods/measures used, their efficacy, lessons learned, and any difficulties encountered are partly described. If rated, the effectiveness of the measures is generally 'good'.	<input type="checkbox"/>
0.25=	At least one of the conservation measures is practiced, however the effectiveness is reported to be generally low, unknown, or not rated.	<input type="checkbox"/>
0.00=	None of these measures is practiced or no information is provided.	<input type="checkbox"/>

1.6.2 Has your country undertaken any evaluation of its nest and beach management programmes?

1.00=	Nest and beach management programmes have been evaluated. Any review(s) undertaken is/are described in more detail, including any adjustments made to the programmes as a consequence. Details are given of published/unpublished reports.	<input type="checkbox"/>
0.75=	Nest and beach management programmes have been evaluated. The nature of the reviews is partly described, and includes some reference to published/unpublished reports.	<input type="checkbox"/>
0.50=	Nest and beach management programmes have been evaluated; details of the review(s) and additional information are largely incomplete.	<input type="checkbox"/>

- 0.25= Nest and beach management programmes have been evaluated, but no further information is available.
- 0.00= Nest and beach management programmes have not been evaluated, it is not known if they have been evaluated, or no information is provided.

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)

- 1.00= Specific measures are in place to effectively protect critical habitats outside of established protected areas. The measures are fully described, including details of their geographic coverage and their effectiveness.
- 0.75= Specific measures are in place to protect critical habitats outside of established protected areas; and these are partly described.
- 0.50= Some general measures are in place to protect critical habitats outside of established protected areas. These are listed, but little or no additional explanation is given as to their geographic coverage or effectiveness.
- 0.25= Few measures are in place to protect critical habitats outside of established protected areas. These are only listed, with little or no additional explanation given as to their geographic coverage or effectiveness.
- 0.00= Measures are not in place to protect critical habitats outside of established protected areas, or no information is provided.

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

- 1.00= Assessments of the environmental impact of development are routinely made. The nature of these assessments is described, giving examples, with specific mention of cases relevant to marine turtles.
- 0.75= Assessments of the environmental impact of development are regularly made. The nature of these assessments is partly described, giving examples.
- 0.50= Assessments of the environmental impact of development are regularly made. Partial information is given regarding these processes; but few, if any examples are provided.
- 0.25= Assessments of the environmental impact of development are occasionally or infrequently made. Limited information is given regarding these processes and few, if any, examples are provided.
- 0.00= Assessments of the environmental impact of development are not routinely made or it is not known if they are routinely made.

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

- 1.00= Marine water quality is monitored and steps are taken to protect water quality near turtle habitats; These are fully described, including details of measures to address marine debris and references to other sources of information.
- 0.75= Marine water quality is monitored and steps are taken to protect water quality near turtle habitats. These measures are partly, but incompletely, described in relation to marine turtles.
- 0.50= Marine water quality is monitored, but not comprehensively (or insufficient information to assess extent of monitoring).
- 0.25= Marine water quality is not monitored, however some steps are taken to protect water quality near turtle habitats.
- 0.00= Marine water quality is not monitored, it is not known if marine water quality is monitored, or no information is provided.

2.1.4 Are measures in place to prohibit the use of poisonous chemicals and explosives?

- 1.00= Measures are in place to prohibit the use of poisonous chemicals and explosives; relevant legislation and enforcement action/penalties are described and their effectiveness mentioned.
- 0.75=
- 0.50= Measures are in place to prohibit the use of poisonous chemicals and explosives; partial details are provided regarding relevant legislation, enforcement action/penalties. Little or no mention is made of the effectiveness of implementation.
- 0.25=
- 0.00= No measures are in place to prohibit the use of poisonous chemicals and explosives or no information is available.

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

- 1.00= Extensive efforts are being made to recover degraded coral reefs. The nature of these efforts is fully described, including details of the locations and efficacy of these actions. Examples and lessons learned are cited that might be applicable in other contexts. OR: Not applicable (All reefs)
- 0.75= Efforts are being made to recover degraded coral reefs. The nature of these efforts is partly described, including examples, but information is lacking on the locations or efficacy of these actions.
- 0.50= Efforts are being made to recover degraded coral reefs; only limited details are provided on the nature and the efficacy of these actions.
- 0.25= Efforts are being made to recover degraded coral reefs, but no further details are provided.
- 0.00= No efforts are being made to recover degraded coral reefs, it is unknown if efforts are being made, or no information is provided.

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.)

- 1.00= Extensive efforts are being made to recover degraded mangrove habitats. The nature of these efforts is fully described, including details of the locations and efficacy of these actions. Examples and lessons learned are cited that might be applicable in other contexts. OR: Not applicable (all)
- 0.75= Efforts are being made to recover degraded mangrove habitats. The nature of these efforts is partly described, including examples, but information is lacking on the locations or the efficacy of these actions.
- 0.50= Efforts are being made to recover degraded mangrove habitats; only limited details are provided on the nature and efficacy of these actions.
- 0.25= Efforts are being made to recover degraded mangrove habitats, but no further details are provided.
- 0.00= No efforts are being made to recover degraded mangrove habitats, it is unknown if efforts are being made, or no information is provided.

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.).

- 1.00= Extensive efforts are being made to recover degraded sea grass habitats. The nature of these efforts is fully described, including details of the locations and efficacy of these actions. Examples and lessons learned are cited that might be applicable in other contexts. OR: Not applicable (all)
- 0.75= Efforts are being made to recover degraded sea grass habitats. The nature of these efforts is partly described, including examples, but information is lacking on the locations or the efficacy of these actions.
- 0.50= Efforts are being made to recover degraded sea grass habitats; only limited details are provided on the nature and efficacy of these actions.
- 0.25= Efforts are being made to recover degraded sea grass habitats, but no further details are provided.

0.00= No efforts are being made to recover degraded sea grass habitats, it is unknown if efforts are being made, or no information is provided.

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.

1.00= A list of available literature is provided. Each reference is fully cited (including title, author, year, journal name etc.) and organised into separate categories, if extensive.

0.75=

0.50= A partial list of available literature is provided. Partial references are provided.

0.25=

0.00= A list of available literature is not given or no information is available.

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 frequenting the territory of your country?

1.00= Comprehensive, long-term monitoring programmes have been fully implemented. Detailed information is given about their nature and duration (allowing one to assess their scope and scientific rigour).

0.75= Long-term monitoring programmes have been fully implemented or initiated. Some information may be given about their nature and duration, but not in sufficient detail to allow one to assess their scope and scientific rigour.

0.50= Long-term monitoring programmes have been initiated or planned, but few or no details are provided.

0.25= Long-term monitoring programmes have not been initiated or planned; and mitigating circumstances are detailed.

0.00= Long-term monitoring programmes have not been initiated or planned, and no further explanation is given; or no information is provided.

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

1.00= The genetic identity of marine turtles has been characterised. The research results are described, particularly any findings that might have region-wide implications.

0.75=

0.50= The genetic identity of marine turtles has been characterised; partial details are provided regarding the results of this research.

0.25= The genetic identity of marine turtle populations in the country has not been characterised, but DNA samples are being collected for that purpose.

0.00= The genetic identity of marine turtle populations in the country has not been characterised, it is not known if it has been characterised, or no information is provided.

3.1.4 Which of the following methods have been or are being used to try to identify migration routes of turtles? Use the text boxes to provide additional details.

1.00= Most, if not all, of the methods of investigation have been or are being used to identify migration routes. A full description is given of the nature and outcomes of these studies, including plans for

further work. The studies have demonstrably contributed to the identification of migration routes.

0.75= At least two of the methods of investigation have been or are being used to identify migration routes. A partial description is given of the nature and outcomes of these studies, but certain details are missing or their efficacy is not clearly demonstrated.

0.50= At least one method of investigation has been or is being used to identify migration routes; a partial description is given of the nature and outcomes of these studies.

0.25= At least one method of investigation has been or is being used to identify migration routes; very little or no additional information is given.

0.00= No studies have been undertaken to identify migration routes or no information is provided.

3.1.5 Have studies been carried out on marine turtle population dynamics and survival rates (e.g. including studies into the survival rates of incidentally caught and released turtles)?

1.00= Studies have been carried out on marine turtle population dynamics and survival rates; details are given of the nature and results of this research (including references to published/unpublished reports).

0.75=

0.50= Some studies have been carried out on marine turtle population dynamics and survival rates; a partial description is given of the nature and results of this research.

0.25=

0.00= Studies have not been carried out on marine turtle population dynamics and survival rates, it is not known if studies have been carried out, or no information is provided.

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

1.00= Research has been conducted on the frequency and pathology of diseases in marine turtles; details are given of the nature and results of this research (including references to published/unpublished reports).

0.75=

0.50= Some research has been conducted on the frequency and pathology of diseases in marine turtles; a partial description is given of the nature and results of this research.

0.25=

0.00= Research has not been conducted on the frequency and pathology of diseases in marine turtles, it is not known if research has been conducted, or no information is provided.

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

1.00= The use of traditional ecological knowledge in research studies is being promoted. A full account is given of the actions undertaken, reports produced, and any sharing of knowledge in this area with other States. OR: Not applicable (i.e. no traditional ecological knowledge is available/relevant)

0.75=

0.50= The use of traditional ecological knowledge in research studies is being promoted. Partial information is given of the actions undertaken, reports produced, and any sharing of knowledge in this area with other States.

0.25=

0.00= The use of traditional ecological knowledge in research studies is not being promoted, it is not

known if use of traditional knowledge is being promoted, or no information is provided.

3.2.1 List any regional or sub-regional action plans in which your country is already participating, which may serve the purpose of identifying priority research and monitoring needs.

- 1.00= The country is participating in other regional or sub-regional action plans/arrangements, in which priority research and monitoring needs are identified, and these are clearly named and briefly described.
- 0.75=
- 0.50= The country is participating in other regional or sub-regional action plans/arrangements. A partial description is given of their nature.
- 0.25=
- 0.00= The country is not participating in any other regional or sub-regional action plans/arrangements, or no information is provided.

3.2.2 On which of the following themes have collaborative studies and monitoring been conducted? Use the text boxes to describe the nature of this international collaboration or to clarify your response. Answer 'NO' if the studies/monitoring undertaken do not involve international collaboration.





- 1.00= International collaborative studies and monitoring have been conducted in most, if not all, of the fields of study listed. Full details are given of the collaborators and nature of each activity, including supporting references to published or unpublished reports.
- 0.75= International collaborative studies and monitoring have been conducted in at least two of the fields of study listed. Partial details are given of the collaborators and nature of each activity.
- 0.50= International collaborative studies and monitoring have been conducted in at least one of the fields of study listed. Partial details are given of the collaborators and nature of this activity.
- 0.25= International collaborative studies and monitoring have been conducted in at least one of the fields of study listed, but few if any additional details are provided to assess the nature of this collaboration.
- 0.00= No international collaborative studies or monitoring have been conducted in these fields or no information is provided.

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.






- 1.00= Marine turtle species/populations are clearly identified and are listed in order of priority for conservation action. Information on trends, including references to published studies, is given to justify the selection/prioritisation.
- 0.75=
- 0.50= Marine turtle species/populations are identified and are listed in order of priority for conservation action. Justification for the selection/prioritisation may be incomplete.
- 0.25=
- 0.00= Marine turtle species/populations are not listed or prioritised; or no information is provided.

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






- 1.00= Research and monitoring activities are periodically reviewed and evaluated; details are given regarding the timing and outcomes of these reviews.

- 0.75= 
- 0.50= Research and monitoring activities are periodically reviewed and evaluated; partial details are given of these processes 
- 0.25= 
- 0.00= Research and monitoring activities are not periodically reviewed and evaluated, it is not known if they are periodically reviewed and evaluated, or information is not provided. 






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).

- 1.00= Research results are being applied to improve management practices and mitigation of threats. Specific examples are given to demonstrate the practical application and value of the research undertaken. 
- 0.75= 
- 0.50= Research results are being applied to improve management practices and mitigation of threats; partial information is provided to demonstrate this. 
- 0.25= 
- 0.00= It is not demonstrated that research results are being applied to improve management practices and mitigation of threats; or no information is provided. 

3.4.1 Has your country undertaken any initiatives (nationally or through collaboration with other Range States) to standardise methods and levels of data collection?

- 1.00= Initiatives have been undertaken to standardise methods and levels of data collection (nationally or internationally) in several areas; these are fully described and specific examples of the agreed protocols are given. 
- 0.75= 
- 0.50= Some initiatives have been undertaken to standardise methods and levels of data collection, or are in progress; these are at least partly described and examples of the agreed protocols are given. 
- 0.25= 
- 0.00= No initiatives have been undertaken to standardise methods and levels of data collection, it is not known if initiatives have been undertaken, or no information is provided. 

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

- 1.00= The country often (systematically) exchanges scientific and technical information and expertise. 
- 0.75= 
- 0.50= The country occasionally exchanges scientific and technical information and expertise. 
- 0.25= The country rarely exchanges scientific and technical information and expertise. 
- 0.00= The country never exchanges scientific and technical information and expertise; or no information 

is provided.

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

1.00=	Several mechanisms used to share information and expertise with other Range States (eg publications, meetings, presentations etc.) are described in detail; the positive outcomes of this interaction are described.	<input type="checkbox"/>
0.75=	Several mechanisms used to share information and expertise with other Range States (eg publications, meetings, presentations etc.) are listed and partly described.	<input type="checkbox"/>
0.50=	Several mechanisms used to share information and expertise with other Range States (eg publications, meetings, presentations etc.) are listed, but not described in detail.	<input type="checkbox"/>
0.25=	One or two mechanisms used to share information and expertise with other Range States are listed, but not described.	<input type="checkbox"/>
0.00=	No information is provided.	<input type="checkbox"/>

3.4.4 Does your country compile and make available to other countries data on marine turtle populations of a regional interest?

1.00=	Data are compiled on marine turtle populations of a regional interest. Specific, detailed examples are given of several systems in place (eg databases, mapping systems, tag information etc), with mention of their practical application and potential value/relevance to other States.	<input type="checkbox"/>
0.75=	Data are compiled on marine turtle populations of a regional interest; and several of the systems in place are listed and their practical application partly described.	<input type="checkbox"/>
0.50=	Data are compiled on marine turtle populations of a regional interest; and some of the systems in place are listed, but incompletely described.	<input type="checkbox"/>
0.25=	Data are compiled on marine turtle populations of a regional interest; but only few or no details are given of the systems in place.	<input type="checkbox"/>
0.00=	Data are not compiled on marine turtle populations of a regional interest, it is not known if data are compiled or no information is provided.	<input type="checkbox"/>

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

1.00=	Comprehensive educational programmes and materials have been developed and are fully described. Their efficacy has been evaluated and is commented on. The potential for adapting these materials for use elsewhere is mentioned. Additional needs and plans in this area are	<input type="checkbox"/>
0.75=	A wide range of educational programmes and materials have been developed and are described in some detail. The efficacy of these materials and their potential for adaption for use elsewhere may be mentioned. Additional needs and plans in this area are outlined.	<input type="checkbox"/>
0.50=	A range of educational programmes and materials have been developed and are listed. Little or no mention is made of their efficacy, potential for adaptation, or additional needs and plans in this area.	<input type="checkbox"/>
0.25=	A few educational programmes and materials are listed only, with little or no additional information provided.	<input type="checkbox"/>
0.00=	No information is provided.	<input type="checkbox"/>

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?

1.00=	Most, if not all, of the groups have been the target of education and awareness programmes. Further details are given of specific interventions made, including mention of noteworthy successes. Needs and plans for more targetted interventions are outlined.	<input type="checkbox"/>
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- 0.75= At least 5 groups have been the target of education and awareness programmes. Further details are given of a few specific interventions, including mention of noteworthy successes. Needs and plans for more targetted interventions may be outlined.
- 0.50= At least 3 groups have been the target of education and awareness programmes. Few or no details are given of specific interventions, or of needs and plans for more targetted interventions.
- 0.25= At least 1 group has been the target of education and awareness programmes. Little or no additional information is provided.
- 0.00= No information provided or no groups have been the target of education and awareness programmes.

4.1.3 Have any community learning / information centres been established in your country?

- 1.00= Community learning / information centres have been established. Full details are given of their location, operation and extent of frequentation by the public.
- 0.75= Community learning / information centres have been established or are currently under construction. Some details are given of their location, operation and extent of frequentation by the public.
- 0.50= Community learning / information centres have been established; only limited or no additional information is provided.
- 0.25=
- 0.00= No community learning / information centres have been established or no information is provided.

4.2 Alternative livelihood opportunities

- 1.00= Initiatives have been undertaken to identify and facilitate alternative livelihoods for local communities. These are fully documented, including details of their cost, effectiveness, difficulties encountered and potential for replication elsewhere. The initiatives are reported to be broadly
- 0.75= Some initiatives have been undertaken to identify and facilitate alternative livelihoods for local communities. These are partially documented (in terms of cost, effectiveness, difficulties encountered etc). The activities are reported to be at least partly effective.
- 0.50= Some initiatives have been undertaken to identify and facilitate alternative livelihoods for local communities. Details are only partially reported.
- 0.25= Some initiatives have been undertaken to identify and facilitate alternative livelihoods for local communities, but little or no additional information is provided.
- 0.00= None or no information is provided.

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.

- 1.00= Initiatives have been undertaken to involve stakeholders and local communities in planning and implementation. These are fully documented, including details of challenges faced, effectiveness, and potential for replication elsewhere. The initiatives are reported to be broadly effective.
- 0.75= Initiatives have been undertaken to involve stakeholders and local communities in planning and implementation. These are partly documented, including some details of challenges faced, effectiveness, and potential for replication elsewhere. The initiatives are reported to be at least
- 0.50= Some initiatives have been undertaken to involve stakeholders and local communities in planning and implementation. Their cost, effectiveness and any difficulties encountered are partially reported.
- 0.25= Some initiatives have been undertaken to involve stakeholders and local communities in planning and implementation, but no additional information is provided.
- 0.00= No information is provided.

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.

1.00=	Initiatives have been undertaken to involve Government, NGOs and the private sector in turtle conservation through the establishment of a national committee or network. These efforts are well documented, including details of their cost, effectiveness, difficulties encountered and potential for	<input type="checkbox"/>
0.75=	Initiatives have been undertaken to involve Government, NGOs and the private sector in turtle conservation through the establishment of a national committee or network. These are partly documented (in terms of cost, effectiveness, difficulties encountered etc).	<input type="checkbox"/>
0.50=	Initiatives have been undertaken to involve Government, NGOs and the private sector in turtle conservation, and they are partly described.	<input type="checkbox"/>
0.25=	Initiatives have been undertaken to involve Government, NGOs and the private sector in turtle conservation, but little or no additional information is provided.	<input type="checkbox"/>
0.00=	No information is provided.	<input type="checkbox"/>

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?

1.00=	A national review of compliance with CITES obligations has been undertaken. Details are provided regarding the nature and outcomes of the review, referring where appropriate to any published reports prepared for CITES purposes. OR: Not applicable (country is not a Party to CITES)	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	A national review of compliance with CITES obligations has been undertaken; but limited or no details are provided.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	A national review of compliance with CITES obligations has not been undertaken; or no information is provided.	<input type="checkbox"/>

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

1.00=	The country has, or participates/cooperates in, CITES training programmes. Details are provided regarding their nature, referring where appropriate to any published reports prepared for CITES purposes. OR: Not applicable (country is not a Party to CITES)	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	The country has, or participates/cooperates, in CITES training programmes; but limited or no details are provided.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	The country does not have, or does not participate/cooperate in, CITES training programmes; or no information is provided.	<input type="checkbox"/>

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.

1.00=	Mechanisms to identify international illegal trade routes and cooperate with other States are in place. Their effectiveness and any difficulties encountered are detailed with specific examples, and references are given to published reports. The mechanisms are reported to be broadly effective.	<input type="checkbox"/>
0.75=	Mechanisms to identify international illegal trade routes and cooperate with other States are in	<input type="checkbox"/>

place. Some mention is made of effectiveness and any difficulties encountered. The mechanisms are reported to be at least partly effective.

0.50= Mechanisms to identify international illegal trade routes and cooperate with other States are in place; their effectiveness and any difficulties encountered are partially reported.

0.25= Mechanisms to identify international illegal trade routes and cooperate with other States are reported to be in place, however no further details are provided.

0.00= Mechanisms to identify international illegal trade routes and cooperate with other States are not in place, it is unknown if they are in place, or no information is provided.

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.)?

1.00= International compliance and trade issues raised for discussion are described, giving the context and the outcomes of these discussions.

0.75=

0.50= Some international compliance and trade issues raised for discussion are listed; but limited or no further details are provided; OR: No international compliance and trade issues have been raised for discussion, and an explanation is given.

0.25=

0.00= No information is provided.

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.

1.00= Measures are in place to prevent, deter and eliminate domestic illegal trade, and they are fully described. Their effectiveness and any difficulties encountered or additional needs are detailed. The measures are reported to be broadly effective.

0.75= Measures are in place to prevent, deter and eliminate domestic illegal trade, and they are partly described. Some mention is made of their effectiveness and any difficulties encountered or additional needs in this area are detailed. The measures are reported to be at least partly effective.

0.50= Measures are in place to prevent, deter and eliminate domestic illegal trade; their effectiveness, any difficulties encountered, or additional needs in this area are partially reported.

0.25= Measures are reported to be in place to prevent, deter and eliminate domestic illegal trade; however no further details are provided.

0.00= No measures are in place to prevent, deter and eliminate domestic illegal trade, it is unknown if any are in place, or no information is provided.

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?

1.00= A national action plan, including key management measures, has already been developed. General information about the plan is given. The plan is subject to regular review.

0.75=

0.50= A set of key management measures that could serve as a basis for a (future) national action plan has been developed. The measures are outlined, and the process leading to the development of a national action plan is described.

0.25= A set of key management measures that could serve as a basis for a (future) national action plan has been developed. Limited or no details are provided.

0.00= A set of key management measures that could be used for national action plans have not yet been developed, it is not known if they have been developed, or no information is provided.

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?

- 1.00=** Up to 10 activities are listed as the highest priorities for action under the MoU. Ample description is given of the nature and scope of the desired action, and the approximate time frames within which the action needs to be taken. Some contextual explanation or justification of the rationale is given.
- 0.75=**
- 0.50=** Up to 10 activities are listed as the highest priorities for action under the MoU. Little or no further contextual explanation or justification of the rationale is given.
- 0.25=**
- 0.00=** No priorities are listed.

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 to achieve progress.

- 1.00=** Indication is given of one or more local management issues requiring international cooperation to achieve progress. The extent to which 'international cooperation is considered necessary' is rated completely, and further explanations are provided.
- 0.75=**
- 0.50=** Indication is given of one or more local management issues requiring international cooperation to achieve progress. The extent to which 'international cooperation is considered necessary' is rated completely, but without further explanation.
- 0.25=** Indication is given of one or more local management issues requiring international cooperation to achieve progress. The extent to which 'international cooperation is considered necessary' is partially rated.
- 0.00=** Incomplete or no response.

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.

- 1.00=** Existing frameworks/organisations for enhancing cooperation are noted; and their strengths and capacity for sub-regional coordination are described. Efforts made by country to enhance the role of these instruments is described.
- 0.75=**
- 0.50=** Existing frameworks/organisations for enhancing cooperation are noted. Partial mention is made of their strengths and capacity for sub-regional coordination; and efforts to enhance their role.
- 0.25=** Existing frameworks/organisations for enhancing cooperation are listed; few if any specific details are provided.
- 0.00=** Existing frameworks/organisations for enhancing cooperation are not identified; or no information is provided.

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

- 1.00=** Country has developed or is participating in networks for cooperative management of shared populations. Some details are given of the actions undertaken and outcomes achieved.
- 0.75=**

0.50=	Country has developed or is participating in networks for cooperative management of shared populations. Limited or no details are given of the actions undertaken or outcomes achieved.
0.25=	
0.00=	The country has not developed and is not participating in networks for cooperative management of shared populations; it is not known if this has occurred; or no information is provided.

5.3.3 What steps has your country taken to encourage Regional Fishery Bodies (RFBs) to adopt marine turtle conservation measures within Exclusive Economic Zones (EEZs) and on the high seas?

1.00=	Steps have been taken overly to encourage RFBs to adopt marine turtle conservation measures. These are fully described; and the results of the interventions are reported to be broadly effective.
0.75=	Some steps have been taken to encourage RFBs to adopt marine turtle conservation measures. These are at least partly described; and the results of the interventions are reported to be at least partly effective.
0.50=	Some steps have been taken to encourage RFBs to adopt marine turtle conservation measures. These are incompletely described; and/or their effectiveness is incompletely reported.
0.25=	
0.00=	No steps have been taken to encourage RFBs to adopt marine turtle conservation measures; or no information is provided.

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.

1.00=	Country's needs (in terms of additional human resources, training and facilities etc.) are thoroughly documented; and the implications of these needs for the country's marine turtle conservation programme are fully described.
0.75=	Country's needs (in terms of additional human resources, training and facilities etc.) are documented; the implications of these needs for the country's marine turtle conservation programme are partly described.
0.50=	Country's needs (in terms of additional human resources, training and facilities etc.) are listed only, without detailed explanation.
0.25=	
0.00=	Country's needs (in terms of additional human resources, training and facilities etc.) are not described; or no information is provided.

5.4.2 Describe any training provided in marine turtle conservation and management techniques (e.g. workshops held, training manuals produced etc.), and indicate your plans for the coming year.

1.00=	Training is provided widely in marine turtle conservation and management techniques. The activities, methods and outcomes are fully described; as are future plans in this area. The training is reported to have been well-coordinated and broadly effective.
0.75=	Training is provided in marine turtle conservation and management techniques. The activities, methods and outcomes are partly described; as are future plans in this area. The training is reported to have been at least partly effective, with some coordination attempted.
0.50=	Training is provided in marine turtle conservation and management techniques. Details of the training, its effectiveness, and the extent of national/regional coordination are partly reported.
0.25=	Limited training is provided in marine turtle conservation and management techniques. Few or no details are provided.
0.00=	Training has not been provided in marine turtle conservation and management techniques; or no information is provided.

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

1.00=	Effective partnerships have been forged with universities, research institutions, training bodies etc. These innovative approaches are described in sufficient detail to assess whether they may serve as models of best practice, with potential for replication elsewhere.	<input type="checkbox"/>
0.75=	Some partnerships with universities, research institutions, training bodies etc. are listed. The approaches are described, but not in sufficient detail to assess whether they may serve as models of best practice, with potential for replication elsewhere.	<input type="checkbox"/>
0.50=	Some partnerships with universities, research institutions, training bodies etc. are mentioned, but little or no information is provided.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	No partnerships have been forged with universities, research institutions, training bodies etc.; or no information is provided.	<input type="checkbox"/>

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.

1.00=	The practical application and enforcement of national policies and laws (described elsewhere, e.g. under section 1.5.1), is described in detail, including any difficulties encountered. The policies and laws are reported to be broadly effective.	<input type="checkbox"/>
0.75=	The practical application and enforcement of national policies and laws (described elsewhere, e.g. under section 1.5.1) is partially described. Good progress has been made towards implementation of the policies and laws, with some aspects still under development.	<input type="checkbox"/>
0.50=	The practical application and enforcement of national policies and laws (described elsewhere, e.g. under section 1.5.1) is partially described. Insufficient information is provided to assess the extent of progress made towards implementation of the policies and laws.	<input type="checkbox"/>
0.25=	Little information is given as to the practical application and enforcement of national policies and laws, including any difficulties encountered OR: Serious problems in implementation and enforcement have been identified, requiring remedial action.	<input type="checkbox"/>
0.00=	No information is provided.	<input type="checkbox"/>

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.

1.00=	A review of policies and laws in relation to marine turtle conservation has been conducted; its nature and outcomes are described in detail; and any obstacles encountered are mentioned.	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	A review of policies and laws in relation to marine turtle conservation has been or is being conducted; its nature, the outcomes and any obstacles encountered are partially described.	<input type="checkbox"/>
0.25=	A review of policies and laws in relation to marine turtle conservation has been conducted or is planned; however few or no details are provided.	<input type="checkbox"/>
0.00=	A review of policies and laws in relation to marine turtle conservation has not been conducted; it is unknown whether a review has been conducted; or no information is provided.	<input type="checkbox"/>

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?

1.00=	The nature of any difficulties experienced regarding cooperation to ensure compatible application of laws is described in detail. OR: No difficulties have been experienced regarding cooperation to ensure compatible application of laws, and the reasons for this favourable situation are described.	<input type="checkbox"/>
0.75=	The nature of any difficulties experienced regarding cooperation to ensure compatible application of	<input type="checkbox"/>

laws is partly described.

0.50= Experienced regarding cooperation to ensure compatible application of laws are noted or listed without further explanation.

0.25=

0.00= It is not known if difficulties have been experienced regarding cooperation to ensure compatible application of laws; or no information is provided.

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

1.00= Active approaches have been made to other States, through a number of different methods, to encourage signature of the IOSEA MoU. The approaches made and the outcomes achieved are described.

0.75=

0.50= Some approaches have been made to other States, but insufficient information is provided on the nature of these approaches or of their effectiveness.

0.25=

0.00= No action has been taken to encourage other States to sign the IOSEA MoU, or no information is provided.

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

1.00= Country has indicated whether or not it is currently favourable to amending the MoU to make it a legally-binding instrument (or that it has no view on the matter).

0.75=

0.50=

0.25=

0.00= No information is provided.

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

1.00= Country has indicated whether or not it is favourable, in a longer time horizon, to amending the MoU to make it a legally-binding instrument; and provides a further elaboration of its response.

0.75= Country has indicated whether or not it is favourable, in a longer time horizon, to amending the MoU to make it a legally-binding instrument (or that it has no view on the matter). No further elaboration is given.

0.50=

0.25=

0.00= No information is provided.

6.2.1 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)?

1.00=	Country has actively supported the core operations of the IOSEA MoU, through regular financial and/or in-kind contributions. These initiatives are described in detail.	<input type="checkbox"/>
0.75=	Country has actively supported the core operations of the IOSEA MoU, through regular financial and/or in-kind contributions. These initiatives are partly described.	<input type="checkbox"/>
0.50=	Mitigating circumstances preventing direct financial support for the core MoU operations is explained. Other efforts to attract support for the core operations of the IOSEA MoU through indirect means, such as lobbying funding agencies or other governments, are described.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	No efforts have been made to support the core operations of the IOSEA MoU; or no information is provided.	<input type="checkbox"/>

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.

1.00=	Funding has been mobilised for domestic implementation of marine turtle conservation activities related to the IOSEA Marine Turtle MoU; the nature of the funding is described and the agencies involved are identified.	<input type="checkbox"/>
0.75=		<input type="checkbox"/>
0.50=	Funding has been mobilised for domestic implementation of marine turtle conservation activities related to the IOSEA Marine Turtle MoU; and the nature of the funding is partly described.	<input type="checkbox"/>
0.25=	Funding has not yet been mobilised for domestic implementation of marine turtle conservation activities related to the IOSEA Marine Turtle MoU; and the mitigating circumstances are described.	<input type="checkbox"/>
0.00=	Funding has not been mobilised for domestic implementation of marine turtle conservation activities related to the IOSEA Marine Turtle MoU, with no further explanation given; or no information is provided.	<input type="checkbox"/>

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

1.00=	Extensive efforts have been made to solicit funds or seek partnerships with a variety of stakeholders; successful and unsuccessful outcomes are described in detail.	<input type="checkbox"/>
0.75=	Efforts have been made to solicit funds or seek partnerships with at least one other stakeholder; successful and unsuccessful outcomes are partially described.	<input type="checkbox"/>
0.50=	Efforts have been made to solicit funds or seek partnerships with at least one other stakeholder; more detailed information is needed to provide a clearer assessment of these efforts.	<input type="checkbox"/>
0.25=		<input type="checkbox"/>
0.00=	No efforts have been made to solicit funds or seek partnerships with other stakeholders.	<input type="checkbox"/>

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

1.00=	Several initiatives have been made to explore the use of economic instruments for conservation. These initiatives are fully described, including comment on their cost effectiveness.	<input type="checkbox"/>
0.75=	Some initiatives have been made to explore the use of economic instruments for conservation. These initiatives are partially described.	<input type="checkbox"/>

- 0.50= At least one initiative has been made to explore the use of economic instruments for conservation; limited details are provided.
- 0.25=
- 0.00= No initiatives have been made to explore the use of economic instruments for conservation; or no information is provided.

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?

- 1.00= According to the report, a lead agency has been designated to coordinate national marine turtle and conservation policy, and details of the Focal Point have been communicated to the Secretariat.
- 0.75=
- 0.50= According to the report, a lead agency is in the process of being designated, and details of the Focal Point will be communicated to the Secretariat shortly.
- 0.25= According to the report, a lead agency has been designated or is in the process of being designated; but the Secretariat has not yet been advised of the Focal Point's details.
- 0.00= According to the report, no lead agency has been designated.

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?

- 1.00= The roles and responsibilities of key government agencies related to marine turtles and their habitats are clearly defined. The main ones are briefly described.
- 0.75=
- 0.50= The roles and responsibilities of key government agencies related to marine turtles are reported to be clearly defined; but few or no details are provided of the relevant agencies.
- 0.25=
- 0.00= The roles and responsibilities of key government agencies related to marine turtles and their habitats are not clearly defined, it is not known if they are clearly defined; or no information is provided.

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?

- 1.00= A review of agency roles and responsibilities has been conducted. A brief description is provided of nature, timeframe and outcome of the review.
- 0.75= A review of agency roles and responsibilities has been conducted. Limited details are provided as to the nature, timeframe and and general outcome of the review.
- 0.50= A review of agency roles and responsibilities has been conducted; but no further details are provided.
OR: A review has not been conducted; however an explanation is given to describe the mitigating
- 0.25=
- 0.00= No information is given; or a review of agency roles and responsibilities has never been conducted, with no further explanation given.



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, 2nd Floor, United Nations Building, Rajdamnern Nok Avenue, Bangkok 10200, Thailand; Tel: +(662) 288 1471 / Fax: +(662) 280 3829; E-mail: iosea@un.org

TEMPLATE FOR THE SUBMISSION OF NATIONAL REPORTS – Revision: 2007

GENERAL INFORMATION

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

INSTRUCTIONS FOR COMPLETION:

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 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. 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.

Comment boxes are provided next to most 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 template, save your information regularly before going to the next page. If working on a paper copy only, please submit the completed report to the IOSEA 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.

Throughout the national report template one finds alongside each question 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.

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]**



Comment [A1]: Include, for example, such information as the occurrence and distribution of species and habitats; the social and economic values/uses of turtles; the main threats of concern, and the kinds of research and conservation efforts undertaken to date.

1.2 Best practice approaches to minimizing threats

1.2.1 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. **[BPR]**



Comment [A2]: 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. **[BPR, INF]**

Comment [A3]: 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? **[TSH]**

- High prices commended by from turtle products relative to other commodities
- Lack of affordable alternatives to turtle products
- Ease of access to the turtle resource (eg. by virtue of proximity or ease of land/water access)
- Low cost of land near nesting beaches
- Low penalties against illegal harvesting

Other1 (describe):

Other2 (describe):

Other3 (describe):

None of the above or Not Applicable

Please use the text box below to explain your response(s) including 'None / Not Applicable' responses.

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

- YES NO NOT APPLICABLE (no adverse economic incentives exist)

If yes, please describe these measures in detail.

Comment [A4]: 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 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]**

a) Shrimp trawls: YES NO

Detail:

Comment [A5]: 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.

b) Set gill nets: YES NO

Detail:

c) Anchored Fish Aggregating Devices (FADs): YES NO

Detail:

d) Purse seine (with or without FADs): YES NO

Detail:

e) Longline (shallow or deepset): YES NO

Detail:

f) Driftnet: YES NO

Detail:

g) Other1

(Name and description):

h) Other2

(Name and description):

None of the above

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).

Comment [A6]: Use the text boxes below each response to clarify your answer. Where possible, provide the source of the information (i.e. detailed citations of published or unpublished reports/studies) used to make this assessment.

a) Shrimp trawls

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

b) Set gill nets

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

c) Anchored Fish Aggregating Devices (FADs)

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

d) Purse seine (with or without FADs)

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

e) Longline (shallow or deepset)

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

f) Driftnet

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

g) Other1 (from 1.4.1):

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

h) Other2 (from 1.4.1):

Fishing effort:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Perceived impact:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / clarification:

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]**

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 NO UNDER INVESTIGATION or NOT APPLICABLE

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)

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

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

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

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

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

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

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Comment [A7]: Use the corresponding text box to describe the methods / measures used, when/where they were introduced, difficulties encountered, results obtained (i.e. successful and unsuccessful); and future plans in these areas.

Please explain or clarify any 'NOT APPLICABLE' responses; and provide references to publications, where available.

Details/future plans:

f) **Net retention and recycling schemes**

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

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

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

h) **Effort management control**

YES NO UNDER INVESTIGATION or NOT APPLICABLE

Details/future plans:

Other (list and explain):

None of the above

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? 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]**

a) **Onboard observer programmes**

YES NO NOT APPLICABLE

Comment [A8]: 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.

Details/future plans:

b) Vessel monitoring systems

YES NO NOT APPLICABLE

Details/future plans:

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

YES NO NOT APPLICABLE

Details/future plans:

d) Training programmes / workshops to educate fishers

YES NO NOT APPLICABLE

Details/future plans:

e) Informative videos, brochures, printed guidelines etc.

YES NO NOT APPLICABLE

Details/future plans:

Other (list and explain):

None of the above

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

YES NO UNSURE

Please give details.

Comment [A9]: Please provide dates when these reviews were conducted, and indicate how the mitigation measures were adjusted in the light of the reviews' findings.

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]** |

Comment [A10]: The 2004 FAO Guidelines to Reduce Sea Turtle Mortality in Fishing Operations highlight the need to conduct research on the modification of fish aggregating devices (FADs), impacts of gillnet fisheries etc.

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 NO UNSURE If yes, please give details of the exchanges/technical assistance.

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]** |

Comment [A11]: Please provide the relevant details (e.g. of the legislation adopted, measures undertaken etc.)

1.5 Addressing harvest of, and trade in, marine turtles; and protection 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]** |

YES NO UNSURE

Comment [A12]: Please provide details (title/date) of the relevant legislation, as well as any exemptions (e.g. for traditional harvest) under that legislation.

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.

USES / VALUES

RELATIVE PREVALENCE / IMPORTANCE

Meat consumption YES NO HIGH MODERATE LOW UNKNOWN

Egg consumption YES NO HIGH MODERATE LOW UNKNOWN

Shell products YES NO HIGH MODERATE LOW UNKNOWN

Fat consumption YES NO HIGH MODERATE LOW UNKNOWN

Traditional medicine YES NO HIGH MODERATE LOW UNKNOWN

Eco-tourism programmes YES NO HIGH MODERATE LOW UNKNOWN

Cultural / traditional significance YES NO HIGH MODERATE LOW UNKNOWN

Other (list and rank):

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

Level of harvest:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Impact of harvest:

RELATIVELY HIGH MODERATE RELATIVELY LOW NONE UNKNOWN

Source of information / explanation: _____

Comment [A13]: Where possible, provide the source of the information (i.e. detailed citations of published or unpublished reports/studies) used to make this assessment.

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

YES NO NOT APPLICABLE Use the text box to give details.

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.
[BPR] _____

Comment [A14]: Give details of any agreements already in place (including year concluded, parties involved) and any that are planned.

1.6 Minimizing mortality through nesting beach programmes

1.6.1 **First, tick one of the boxes at left** 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.

Comment [A15]: EXCELLENT = widespread application, highly effective; GOOD = partly limited in scope or effectiveness; LOW = very restricted application, low efficacy; UNKNOWN = not in a position to comment; N/A (not applicable) = the measure in question is not relevant in the context of this country.

MEASURES

RELATIVE EFFECTIVENESS

Monitoring/protection programmes

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Education/awareness programmes

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Egg relocation/hatcheries

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Predator control

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Vehicle / access restrictions

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Removal of debris / clean-up

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Re-vegetation of frontal dunes

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Building location/design regulations

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Light pollution reduction

YES NO N/A EXCELLENT GOOD LOW UNKNOWN

Other (list and rate them)

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

YES NO NOT APPLICABLE Use the text box to elaborate on your response, if necessary.

Comment [A16]: Please indicate when the evaluation took place, and provide a reference/contact for any published or unpublished reports.

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]**

Comment [A17]: 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? **[IND, SAP]**

YES NO NOT APPLICABLE Use the text box to elaborate on your response.

Comment [A18]: 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 (including marine debris) monitored near turtle habitats? If yes, describe the nature of this monitoring and any remedial measures that may have been taken. **[SAP]**

YES NO NOT APPLICABLE

Comment [A19]: 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 Are measures in place to prohibit the use of poisonous chemicals and explosives? **[SAP]**

YES NO NOT APPLICABLE Use the text box to elaborate on your response.

Comment [A20]: Give details of relevant legislation and enforcement action/ penalties/ effectiveness; 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? 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.

YES NO NOT APPLICABLE (no degraded coral reefs)

Details/future plans:

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]**

- YES NO NOT APPLICABLE (no mangrove habitats important for turtles)

Details/future plans:

Comment [A21]: 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.

Please indicate future plans in this regard.

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]**

- YES NO NOT APPLICABLE (no degraded sea grass habitats)

Details/future plans:

Comment [A22]: Provide sufficient details of the measures taken, especially those measures shown to have been effective in recovering degraded sea grass habitat.

Please indicate future plans in this regard.

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]** |

Comment [A23]: 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 biology and ecology, sources of mortality other than fisheries, status of marine turtle populations including human-related threats 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 frequenting the territory of your country? **[IND, BPR]**

YES NO UNSURE Please give details of the nature, duration and continuity of these programmes. |

Comment [A24]: 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 characterised? **[INF, PRI]**

YES NO UNSURE Please give details (e.g. which species, which populations?). |

Comment [A25]: Please indicate in general terms the results of this research, particularly any findings that might have region-wide implications.

3.1.4 Which of the following methods have been or are being used to try to identify migration routes of turtles? Use the text boxes to provide additional details. **[INF, PRI]**

a) **Tagging** YES NO |

Details/future plans:

Comment [A26]: 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.

b) **Satellite tracking** YES NO |

Details/future plans:

Please refer to any relevant publications, and indicate plans for future work in this area.

Other (list and provide details):

Comment [A27]: Please indicate number of years studies have been undertaken, and give details of species tracked and results obtained to date.

None of the above

Please refer to any relevant publications, and indicate plans for future work in this area.

3.1.5 Have studies been carried out on marine turtle population dynamics and survival rates (e.g. including studies into the survival rates of incidentally caught and released turtles)? [INF, PRI]

YES NO UNSURE

Comment [A28]: Please indicate the nature of the studies undertaken, time frames, main conclusions, and references to any published or unpublished reports.

Please indicate any future plans in this regard.

3.1.6 Has research been conducted on the frequency and pathology of diseases in marine turtles? [INF, PRI]

YES NO UNSURE

Comment [A29]: Please indicate the nature of the studies undertaken, time frames, main conclusions, and references to any published or unpublished reports.

Please indicate any future plans in this regard.

3.1.7 Is the use of traditional ecological knowledge in research studies being promoted? [BPR, PRI]

YES NO UNSURE

Comment [A30]: Please indicate the nature of the studies undertaken, time frames, main conclusions, and references to any published or unpublished reports.

Please indicate any future plans in this regard.

3.2 Collaborative research and monitoring

3.2.1 List any **regional** or **sub-regional action plans** in which your country is already participating, which may serve the purpose of identifying priority research and monitoring needs. [INF]

Use the text box to elaborate on your response.

Comment [A31]: 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? Use the text boxes to describe the nature of this international collaboration or to clarify your response. Answer 'NO' if the studies/monitoring undertaken do not involve **international** collaboration. [INF, PRI]

a) **Genetic identity** YES NO NOT APPLICABLE

Details/future plans:

Comment [A32]: 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.

b) **Conservation status** YES NO NOT APPLICABLE

Details/future plans:

c) **Migrations** YES NO NOT APPLICABLE

Details/future plans:

d) **Other biological and ecological aspects** YES NO NOT APPLICABLE

Details/future plans:

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. **[PRI]** |

Comment [A33]: 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? **[SAP]** |

YES NO UNSURE

Comment [A34]: 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). [SAP]

Comment [A35]: 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 (nationally or through collaboration with other Range States) to standardise methods and levels of data collection? [BPR, INF]

YES NO UNSURE If yes, please give details of the agreed protocol(s).

Comment [A36]: Protocols might relate *inter alia* to monitoring of nesting beaches, feeding ground studies, genetic sampling, and collection of mortality data etc. Other areas of cooperation on this issue might include fishing gear and effort terminology, database development, estimation of sea turtle interaction rates, and time and area classification etc.

3.4.2 To what extent does your country exchange scientific and technical information and expertise with other Range States? [SAP, IND]

OFTEN (SYSTEMATICALLY) OCCASIONALLY RARELY NEVER

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.

3.4.3 If your country shares scientific and technical information and expertise with other Range States, what mechanisms have commonly been used for this purpose? Comment on any positive benefits/outcomes achieved through these interactions. [INF]

Comment [A37]: Such information might include details of ongoing research, new findings, innovative techniques, unusual levels of mortality, potential threats etc.

Comment [A38]: Examples might include publications, international meetings / workshops, presentation of practical research etc. The intent of this question is to elicit responses about effective mechanisms for promoting exchange of scientific and technical information, and the results of such exchanges.

3.4.4 Does your country compile and make available to other countries data on marine turtle populations of a regional interest?

YES NO UNSURE Please give details. [INF]

Comment [A39]: 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. **[INF, PRI]**

Details/future plans:

Comment [A40]: 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).

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 (e.g. for updates of existing material, wider geographic distribution, new materials etc.)

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
- Indigenous groups
- Tourists
- Media
- Teachers
- Students
- Military, Navy, Police
- Scientists
- Other (describe):
- None of the above

Please give further details:

Comment [A41]: 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 in your country? **[BPR, SAP]**

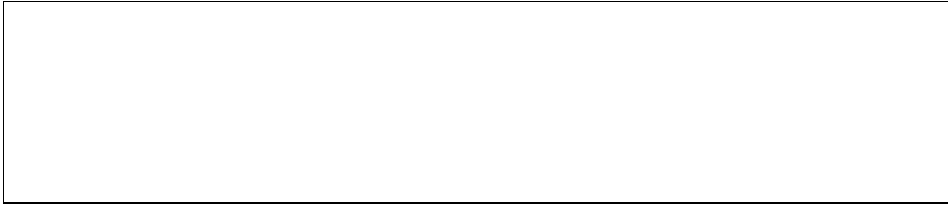
- YES NO

Please give details and indicate future plans.

Comment [A42]: 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 already undertaken or planned to identify and facilitate alternative livelihoods (including income-generating activities) for local communities. [IND, BPR]



Comment [A43]: Please provide adequate detail, including information on time frames, cost, challenges faced/overcome, overall effectiveness, potential for replication elsewhere, and future plans.

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]



Comment [A44]: 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 adequate detail, including information on costs/funding sources, challenges faced/overcome, overall effectiveness, potential for replication elsewhere, and any future plans in this regard. Mention in particular the engagement of fishing industries and fishing communities.

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]



Comment [A45]: 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 Convention on International Trade in Endangered Species (CITES) obligations in relation to marine turtles? **[SAP]**

YES NO NOT APPLICABLE

If yes, please elaborate briefly. |

Comment [A46]: 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? **[SAP]**

YES NO NOT APPLICABLE

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

Comment [A47]: 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.)? Please use the text box to elaborate on how your country is cooperating with other States to prevent/deter/eliminate illegal trade. **[SAP]** |

YES NO NOT APPLICABLE

Comment [A48]: 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 related to marine turtles has your country raised for discussion (e.g. through the IOSEA MoU Secretariat, at meetings of Signatory States etc.)? **[INF]**

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]** |

Comment [A49]: For example, domestic enforcement measures might include monitoring, interagency collaboration, identification of implementation gaps, training, education / awareness etc.

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]**

YES NO

Please explain.

Comment [A50]: Please provide general information about these plans (title, geographic scope, year of introduction etc.) or management measures, and indicate whether or not they are subject to regular review.

Other measures might be included in existing national action / recovery / management plans etc

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]**

Comment [A51]: 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, would ideally be conducted. Refer to the IOSEA website for details of the Conservation and Management Plan.

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?

Illegal fishing in territorial waters	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Incidental capture by foreign fleets	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Enforcement/patrolling of territorial waters	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Hunting/harvest by neighboring countries	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Poaching, illegal trade in turtle products	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Development of gear technology	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Oil spills, pollution, marine debris	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Training / capacity-building	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Alternative livelihood development	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Identification of turtle populations	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Identification of migration routes	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Tagging / satellite tracking	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Habitat studies	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL
Genetics studies	<input type="checkbox"/> ESSENTIAL	<input type="checkbox"/> IMPORTANT	<input type="checkbox"/> LIMITED	<input type="checkbox"/> NOT AT ALL

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. **[INF, BPR]**

Comment [A52]: Some examples might include ASEAN-SEAFDEC, PERSGA, 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 turtle populations? **[BPR, INF]**

YES NO NOT APPLICABLE If yes, give details.

Comment [A53]: For example, bilateral management agreements between countries that share the same turtle populations; transboundary marine protected areas etc.

5.3.3 What steps has your country taken to encourage Regional Fishery Bodies (RFBs) to adopt marine turtle conservation measures within Exclusive Economic Zones (EEZs) and on the high seas? Please describe the interventions made in this regard, referring to specific RFBs. **[SAP]**

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]**

Comment [A54]: Where specific needs are identified (e.g. skilled personnel, specialised training, facilities, field equipment etc.) please indicate how marine turtle conservation activities are presently impaired on account of their unavailability (e.g. 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.), and indicate your plans for the coming year. **[PRI, INF]** |

Comment [A55]: 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.

5.4.3 Specifically in relation to **capacity-building**, describe any partnerships developed or planned with universities, research institutions, training bodies and other relevant organisations. **[BPR]** |

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.

Comment [A56]: 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 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]**

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]**

YES NO UNSURE

Please give details. |

Comment [A57]: 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).

5.5.3 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]**

YES NO UNSURE

Please give details. |

Comment [A58]: The question may refer to the application of laws across jurisdictions within a country (e.g. across states/ provinces or different agencies with overlapping legislative authority) or may refer to the application of measures from one country to another.

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]**

Comment [A59]: 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, in principle, to amending the MoU to make it a legally binding instrument? **[INF]**

- YES NO NO VIEW

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]**

- 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)? **[IND]**

Comment [A60]: 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? Where possible, indicate the specific monetary values attached to these activities/programmes, as well as future plans. **[IND]**

Comment [A61]: Please mention the funding agencies involved at various levels (national, state/provincial etc).

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

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

Comment [A62]: Please give details of successful approaches made (including approximate amounts, time frames) etc. Mention also unsuccessful attempts (e.g. projects submitted to GEF or other major donors that were rejected), so that lessons might be learned from these experiences.

6.3.3 Describe any initiatives made to explore the use of economic instruments for the conservation of marine turtles and their habitats. **[BPR]** |

Comment [A63]: Examples might include revenue generation through eco-tourism, soft loans, taxation etc. Please comment on the cost effectiveness of such initiatives, e.g.: 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 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]** |

YES NO Please elaborate, as necessary.

Comment [A64]: Please consult the IOSEA website (under Membership/Focal Points) for the latest information made available to the IOSEA Secretariat.

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]**

YES NO UNSURE Use the text box to elaborate.

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]**

YES NO UNSURE Use the text box to elaborate. |

Comment [A65]: 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 apprised 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.

Other remarks

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

Feel free to include additional information not covered above:

ANNEX 1: SPECIES, HABITAT AND THREAT DATA [PRI, INF]

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

Name of site/area:				Province / State:
Geographic Coordinates	Degree	Minute	Second	Name of person / agency who has provided the information:
Select: North <input type="checkbox"/> South <input type="checkbox"/>				
West <input type="checkbox"/> East <input type="checkbox"/>				Information was last updated: (dd/mm/yyyy)
On-site research activities: <input type="checkbox"/> Tagging <input type="checkbox"/> Genetic sampling <input type="checkbox"/> Satellite tracking <input type="checkbox"/> Foraging surveys				
Short description of the site (optional) – expand text box as necessary:				

Indicate the species occurrence / use and relative importance of the site:

Species / Habitat type	CC Loggerhead	LO Olive ridley	CM Green	EI Hawksbill	DC Leatherback	ND Flatback
Nesting						
Feeding						
Developmental						

Abbreviations: 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)

Use one of the following symbols or letters to indicate the presence or absence of a species at this site in the table above, including details (if known) about the relative importance of the site for nesting, feeding or development

	Insufficient information is available on the presence or absence of the species (leave box empty)
---	The species is not present or does not use this particular habitat type at this site.
?	It is speculated (only) that the species is present at this site and may be using one or more particular habitat types. In the absence of definitive information, place a ? in the appropriate box(es).
✓	The species is definitely known to be present at this site; however no information is available on the relative importance of the site for nesting, feeding or development.
✓ H	The species is known to be present at this site and definitely uses this particular habitat. The site is considered to be of high importance for this species, relative to other sites in the country.
✓ A	The species is known to be present at this site and definitely uses this particular habitat. The site is considered to be of average importance for this species, relative to other sites in the country.
✓ L	The species is known to be present at this site and definitely uses this particular habitat. The site is considered to be of lower importance for this species, relative to other sites in the country.
a - h	Additional information on nesting habitat (where available): Indicate the estimated number of nests per year for each species by inserting, in the appropriate boxes, one of the letters 'a' through 'f', corresponding to the following scale: a: 1 - 10 nests ; b: 11 - 100 nests ; c: 101 - 500 nests ; d: 501 - 1,000 nests ; e: 1,001 - 5,000 nests ; f: 5,001 - 10,000 nests ; g: 10,001 - 100,000 nests ; h: more than 100,000 nests

Describe the nature and intensity of threats to marine turtles at this site:

NATURE OF THREAT	INTENSITY OF THREAT <i>Mark with an 'X'</i>				
	Unknown	None	Low (rare event)	Medium	High (common occurrence)
Exploitation of nesting females (i.e. direct harvest on land)					
Direct harvest of animals in coastal waters at or near the site					
Egg collection (i.e. direct harvest by humans)					
Incidental capture in coastal fisheries					
Boat strikes					
Marine debris (e.g. plastics at sea, flotsam)					
Industrial effluent					
Inshore oil pollution					
Agricultural/urban/tourism development (e.g. construction that disrupts nesting activities)					
Artificial lighting (on land or near shore)					
Habitat degradation (e.g. coastal erosion, debris that obstructs nesting etc.)					
Vehicles					
Sand mining / removal					
Natural threats, disease, predation of nests/nesting females (e.g. by domestic / feral animals), or natural predation at sea					
Other (type in):					

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

- Monitoring / protection programmes
- Education / awareness programmes
- Egg relocation / hatcheries
- Requirements for modification of fishing gear or fishing practices (e.g seasonal or temporal closures)
- 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 1 (list)

Other 2 (list)

Please give further details or clarification about any of the information provided, as appropriate / necessary.