



## INTER-AMERICAN SEA TURTLE CONVENTION

### IAC - Annual Report 2023

# PERU

#### IAC Annual Report General Instructions

Annex IV of the Convention text states that each Contracting Party shall submit an Annual Report each year.

To complete this Annual Report, Focal Points should consult with appropriate stakeholders involved in sea turtle issues. If you have any questions regarding this Annual Report, please contact the Secretariat at [secretario@iacseaturtle.org](mailto:secretario@iacseaturtle.org)

The submission deadline for this Annual Report is April 30th, 2023.

Translation by Haydeé Medina (IAC Secretariat)

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**THE PDF OF THE ANNUAL REPORT SUBMITTED BY EACH COUNTRY WILL BE PUBLISHED ON THE CONVENTION WEBSITE**

## Part I – General Information

Country

Name of the country reporting

»» Peru

### Official Note

If required, please attach here the relevant administrative authority **official note** endorsing the annual report submission.

Are you attaching an official note?

No

### 1) Focal Point

1.1 Name

»» not answer

1.2 Institution

»» MINISTERIO DE RELACIONES EXTERIORES

1.3 Submission Date

»» 11 DE MAYO 2023

### 2) Agency or Institution responsible for preparing this report

2.1 Name of the person preparing this report

»» Rosa Nahui Saccaco

2.2 Name of Agency or Institution

»» Ministerio de la Producción

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»» Sede central: Calle Uno Oeste 060-Urbanización Córpac-15036 Perú

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### 3) Others who participated in the preparation of this report

3.1 Others who participated in the preparation of this report

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## Part II – Policy and Management

### 1) General description of activities

**General description of activities carried out for the protection and conservation of sea turtles.** In accordance with Articles IX and XVIII of the text of the Convention, each Party shall establish monitoring programs, policies and plans for implementation at a national level for the protection and conservation of sea turtles and their habitat. The Party shall report on the action plans, management plan or other types of instruments.

Please select the options that best apply for your country and provide the link to the corresponding document if available online. If it is in progress add the date is expected to be finalized in the corresponding section.

**1.1** The country has a national strategy/plan for the conservation of sea turtles in accordance with Article XVIII.

Please upload the file or attach the links to the corresponding documents using the blue box icons beneath each question

Yes

You have attached the following document, web link or URL to answer this:

[Resolucion 253 Peru SERFOR.pdf](#) approved the "National Plan for the Conservation of Sea Turtles in Peru", period 2019-2029.

[PNC-Tortugas Marinas-Plan.pdf](#)- PNC Tortugas Marinas

### Species Management Plan

Only applicable to countries that have developed individual management plans for each species.

**1.1.1** The country has a **specific strategy/plan** for the conservation of:

Please upload the file or attach the link to the corresponding document using icons below.

Lepidochelys olivacea

Lepidochelys kempii

Dermochelys coriacea

Eretmochelys imbricata

Caretta caretta

Chelonia mydas

**1.2** Does your country have policies and programs at local and regional scales in accordance with Article XVIII?

Please attach the list of policies and programs and other information relevant to their adoption or implementation.

No

**1.3** Does your country have monitoring programs in accordance with Article IX?

Please attach the list of programs and other information relevant to their adoption or implementation.

Yes

### 2) National legislation and international instruments related to sea turtles adopted during the preceding year

Describe any national regulations, international agreements and other legal instruments related to sea turtles and/or relevant activities that were adopted during the preceding year (**30 April 2022 – 30 April 2023**).

Please provide a literature reference and attach the digital file for the legislation and its corresponding number. The laws adopting the international legislation should be included when they exist.

**First time a country is submitting this information:** please include all pertinent national legislation and international instruments currently in force.

**Countries that have previously submitted this information;** please provide information for any changes that have occurred since your country's last report submission (2022).

National Legislation

	Type and name of the legal instrument (No.)	Description (Range of application)	Sanctions(s) Imposed

International Instruments

	Treaty, Convention, Agreements, Memorandum of Understanding	Year signed and/or ratified

### 3) Actions to comply with National and International Mandate

List actions that are being carried out to comply with national and international mandates.  
(Ex: inspections, confiscations, sanctions, etc.)

>>>> SERFOR

IT N°D000271-2021-MIDAGRI-SERFOR-DGGSPFFS-DGSPFS 2020 Annual Evaluation Report of the National Conservation Plan for Sea Turtles in Peru on surveillance and inspection operations in fishing areas, catch landing and markets with a history of capture and commercialization

The ATFFS ICA, through Report No. D000029-2020-MINAGRI-SERFOR-ATFFS ICA - PISCO-CHINCHA HEADQUARTERS, reported that on October 2nd, 2020, it carried out an operation in conjunction with the Paracas PNP at the San Andrés dock, dumps and markets, however, no evidence was found of capture or commercialization activities for sea turtles.

The ATFFS Moquegua through Report N°D000033-2020-MIDAGRI-SERFOR-ATFFS-MOQUEGUA-TACNA mentions that it carried out three (03) evaluations of marine wildlife, including sea turtles in the framework of stranding care in Ilo and Pacocha on days 15/07/2020, 27/10/2020 and 23/12/2020.

The ATFFS Piura, through Official Letter N°D000067-MIDAGRI-SERFOR-ATFFS-PIURA, reported having carried out three (03) monitoring of stranded marine wildlife in Talara and Paita, places with occurrence of stranded sea turtles, actions were coordinated with the municipality of Máncora (Records of verification 19/02/2020, 20/02/2020 and 11/11/2020).

Likewise, the ATFFS Ancash mentions that coordination has been carried out with different institutions such as the DICAPI of Bahía Santa and Bahía Chimbote, FEMA and the National Police with the objective of planning surveillance operations in fishing areas and ports, which was made difficult to do during the year 2020 due to the COVID-19 situation; reality that is also reported by the ATFFS Lima through Memorandum N°D000166-2021-MIDAGRI-SERFOR-ATFFS-LIMA of 08/03/2021.

#### On Strengthening State institutions to ensure adequate execution of their functions related to the conservation of sea turtles

Within the framework of the activity No. 18 from the National Plan for the Conservation of Sea Turtles in Peru, period 2019-2029, on the "Strengthening of State institutions to ensure adequate execution of their functions related to the Conservation of Sea Turtles ", a training was held on "Management of Marine Wildlife" (October 12 to 16<sup>th</sup> , 2020), which included a session on the management of sea turtles in the event of stranding and bycatch, managing to train 30 specialists in charge of wildlife management from the ATFFS and DCGPFFS of SERFOR (20), GOREs (04) and SERNANP (06). Technical Report N°D000627-2020-MIDAGRI-SERFOR-DGSPFFS was generated.

The ATFFS Arequipa, through Report N°D000038-2020-MIDAGRI-SERFOR-ATFFS-AREQUIPA-KEL of 12/31/2020, reported the completion of the Coastal Marine Wildlife Management Training in Islay on January 15th, 2020. The National Conservation Plan was socialized, and guides were provided for proper handling and release, there was support from the NGO Acorema , 63 people participated, including representatives of the Provincial Municipality of Islay, Municipality of Matarani , PNP Commissioner of Mollendo, PNP Commissioner of La Punta, PNP Commissioner of Mejía, PNP Commissioner of La Curva, PNP Commissioner of Arenal, staff of the National Sanctuary of the Mejía Lagoons – SERNANP, IMARPE, Ministry of Production – Inspection and rescue personnel – PNP.

The ATFFS Moquegua through Multiple Official Letter No. D000004-2020-MIDAGRI-SERFOR-ATFFS-MOQUEGUA-TACNA reported the virtual meeting held on 10.12.2020 on the attention of wildlife strandings, including the issue of management of sea turtles in Ilo, addressed to representatives of public institutions. Through Official Letter N°2083-2020-SERNANP-DGANP, SERNANP reported having carried out training on December 9 and 10<sup>th</sup>, 2020 with the support of the NGO Acorema , where 38 people participated.

The MINAM, through Official Letter No. 00019-2021-MINAM/VMDERN/DGDB, reported the holding of workshops on "Strengthening the capacities of municipalities in the coastal marine area through virtual technical assistance" where session 5 was on early attention to marine fauna stranding events (53 people), and session 6 was about participatory strategies for the empowerment of citizens for the conservation of marine fauna (50 people). Likewise, in August 2020, the 20th workshop "Regional induction for attention to events of stranding and mortality of wildlife and hydrobiological resources" was held (80 people) on the promotion of sustainable tourism in the activity of sighting of sea turtles within and outside ANP.

Through Official Letter No. 362-2021-MINCETUR/VMT/DGPDT dated 10/03/2021 and Technical Report No. 007-2021-MINCETUR/VMT/DGPDT/DAAT-ECS, the MINCETUR mentions that it held two (02) workshops in Tumbes (Punta Sal and Zorritos) and Piura (Los Órganos and Máncora) from November 4 to 10<sup>th</sup> , 2020, there were 5 sessions on Good Management Practices for the operation of the marine fauna sighting service, which included the observation of sea turtles. The workshops were aimed at tourism service providers and operators who carry out marine fauna watching activities; a total of 53 people participated, on the promotion of education and awareness programs at all levels on the conservation of sea turtle habitats

SERNANP, through the San Fernando National Reserve (Report N°005-2020-SERNANP-RNSF/PELA), carries out puppet shows, a painting contest, and raising awareness regarding the conservation of marine species. Likewise, the Paracas National Reserve (Official No. 433-2020-SERNANP-RNP/J of 11/18/2020), developed education and awareness activities aimed at the local, regional and national population with the purpose of showing different groups of actors that enter the Reserve, about the threats and the conservation status of the threatened species and within them the sea turtles.

The ATFFS ICA through Report N°D000059-2020-MIDAGRI-SERFOR-ATFFS-ICA PISCO HEADQUARTERS, dissemination talks were held on "Sea Turtles in the Ica region: Importance and Threats", with the participation of 108 people.

Finally, the NGO WWF mentions that it has been working in coordination with the Ministry of Education (Letter No. 014 – 2021 WWF PERU) to develop the environmental education course "Marine Immersion", which will be part of the Peru-Educa virtual platform. PRODUCE.

In accordance with the provisions of article 84 of the Regulation of Organization and Functions of the Ministry of Production approved by Supreme Decree No. 002-2017-PRODUCE, the General Directorate of Supervision, Inspection and Sanction is the technical authority at the national level, responsible for the supervision, inspection and control of compliance with regulations on fishing and aquaculture matters and what is established in the enabling titles granted in said matters. It is also responsible for managing and supervising the administrative sanctioning procedure in the first administrative instance. For this purpose, through the Supervision and Inspection Directorate, inspection actions are carried out with the purpose of verifying compliance with current regulations, including protection measures regarding protected species such as sea turtles, which establish as prohibition, the capture, transportation and commercialization of said species.

The inspection actions carried out from April 27<sup>th</sup>, 2019 to April 26<sup>th</sup>, 2021 are detailed below, where no violations and seizures have been noted.

Inspected Unit	No. of inspections	No. of inspections
27.04.2019 to 09.06.2020	10.06.2020	al 26.04.2021
Comercialization	5,470	3,208
Boat	37,364	13,864
Fishery		
Collector/gatherer	230	87
Fisherman		
Vehicule	4,001	589
Total	47,065	17,748

#### 4) Efforts to increase IAC membership (Question & answer not shown on original report)

#### 5) Exceptions under the Convention

##### 5.1 Implementation and monitoring of exceptions established in the Convention

Describe the progress in the implementation of the exception correspondent to the current year (800 words) according to the current resolutions on exceptions.

##### Resolutions on Exceptions

CIT-COP10-2022-R3

CIT-COP10-2022-R4

CIT-COP10-2022-R5

**CIT-COP5-2011-R2 (PDF)**

**CIT-COP6-2013-R1 (PDF)**

**CIT-COP7-2015-R1 (PDF)**

»» does not apply

##### 5.2 Have your country presented a 5-year report on the implementation of the Exception Resolution? Does not apply

Resolution CIT-COP6-2013-R1 Exception Guatemala and Panama (2013-2020). Resolution

CIT-COP7-2015-R1 Exception Costa Rica (2015-2020).

Attach the five-year report.

Yes

No

(Answer not shown on original report)

##### 5.3. Does your country have a management plan for the exception? Does not apply

If yes, attach the exception management plan

Yes

No

In progress

(Answer not shown on original report)

#### 5.4 Submission of new exceptions

Should your country present a new exception, please describe in the box below a brief description in accordance with article IV, item 3(a,b,d) and Annex IV of the text of the Convention, using the procedure established by the IAC COP and attach the full report as requested in Resolution CIT-COP5-2011-R2.

»» Peru has not planned to present a new exception.

## Part III - Compliance with IAC Resolutions

### 1) Sea Turtle Species Presence

#### 1.1 Sea Turtle Species Present in the Country

Check the box if the species listed is present in the oceanographic basins of your country as established in Article III of the text of the Convention.

	Atlantic Ocean	Pacific Ocean	Caribbean Sea
Lepidochelys olivacea	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lepidochelys kempii	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dermochelys coriacea	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Eretmochelys imbricata	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Caretta caretta	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chelonia mydas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Additional Notes

Include other information, if required

» there are not additional notes

### 2) IAC Resolutions

#### 2.1 The following resolutions apply to this country

- Eastern Pacific Leatherback Turtle Resolution
- Hawksbill Resolution
- Loggerhead Resolution
- Fisheries Resolution

#### Resolution CIT-COP10-2022-R6 - Eastern Pacific Leatherback Turtle (*Dermochelys coriacea*)

##### Section 1 - Monitoring of nesting of the Eastern Pacific leatherback turtle

1. Does your country have Eastern Pacific leatherback nesting beaches?

If the answer is "No" please answer "Not applicable" in questions 1-10 and continue to Section 2.

No

2. Does your country protect East Pacific leatherback nests at the nesting beaches?

There are no nesting beaches in the country

If the answer is "Yes", please described (500 words maximum)

» does not apply

3. Has your country developed and implemented strategies to ensure and increase hatching success and hatchlings production of the East Pacific leatherback?

There are no nesting beaches in the country



If the answer is “Yes,” please describe the strategies used (500 words maximum)

»» does not apply

4. Has your country taken conservation measures for the protection of the East Pacific leatherback nesting beaches and their associated habitats?

There are no nesting beaches in the country

If the answer is “Yes,” describe the conservation measures used (500 words maximum)

»» does not apply

5. Has your country identified and included new East Pacific leatherback turtle nesting beaches in the national programs to protect and monitor nests, females, and hatchlings?

There are no nesting beaches in the country

If the answer is “Yes,” list the new nesting beaches identified

»» does not apply

6. Has your country reported in Part V of this IAC Annual Report the new Eastern Pacific leatherback nesting beaches identified above?

There are no nesting beaches in the country

If the answer is “No,” request the IAC Secretariat to add the new beaches to Part V in the IAC Annual Report. Even if these beaches are not considered Index beaches it is essential to obtain this information.

7. Has your country identified or is it planning to implement economic alternatives in local communities in areas adjacent to nesting beaches, with the goal of reducing the pressure on the East Pacific leatherback?

There are no nesting beaches in the country

If the answer is “Yes,” describe the economic alternatives identified (500 words maximum)

»» does not apply

## **Monitoring Activities in East Pacific leatherback Nesting Beaches (From Annex II Resolution CIT-COP10-2022-R6)**

8. Indicate the number of East Pacific leatherback beaches monitored during the year reported in this Annual Report

»» 0

9. Which methods are used to monitor East Pacific leatherback nesting on beaches in your country? (choose all that apply)

There are no nesting beaches in the country

10. Describe the challenges in your country to address the questions in this section, which answer was “No”. Please indicate the number of the question to which you are referring. (max 500 words)

»» does not apply

## **Section 2 - Activities for protection and predation control on nesting beaches of Eastern Pacific Leatherback**

### **11. Protection of Nests IN SITU**

a. Indicate the techniques used to protect East Pacific leatherback nests in your country during the nesting season (Ex: protected areas, relocation in hatcheries, and others)

»» does not apply

#### **b. Protection of Nests IN SITU**

Total percentage (%) of East Pacific leatherback nests protected in the beaches monitored in the nesting season (Including protected areas, relocation in hatcheries, and others)

»» 0

**c. Protection of Nests IN SITU**

Total number of nests in situ on the beaches monitored (In situ=nests left where the turtle laid the eggs)

»» 0

**d. Protection of Nests IN SITU**

Percentage (%) of average hatching of East Pacific leatherback **in situ nests**, on the beaches, monitored, using the following formula:

**% of hatching** = total of hatchlings that hatched/total eggs

**If the total of hatchlings hatched is not available**

**% of hatching** = total of shells/total of eggs

»» does not apply

e. If the country uses another way to calculate de percentage (%) of hatching, please describe it below.

»» does not apply

12. Percentage (%) of average hatching in East Pacific leatherback **nests relocated** using the following methods in the beaches monitored

Answer those that apply as a percentage % If data is not available answer "not available"

If the method is not used, answer "not applicable"

Hatcheries	Not available
Boxes	Not available
Same beach	Not available
Other (Which and %)	Not available

**Activities to Control Predation in East Pacific leatherback Beaches Monitored (From Annex II Resolution CIT-COP10-2022-R6)**

13. Activities to control East Pacific leatherback nests predation carried out in the year of this report (choose all that apply)

None

14. Activities to control poaching of East Pacific leatherback nests carried out in the year of this report (choose all that apply)

None

15. Describe the challenges in your country to address the questions in this section, which answer was "No". Please indicate the question number to which you are referring (max 500 words).

»» does not apply

**Section 3 - Critical areas and aggregation areas for Eastern Pacific Leatherback**

16. Has your country identified critical areas in the distribution range of the East Pacific leatherback in national waters that require spatial and temporal management to reduce leatherback bycatch?

Yes

If the answer is "Yes," describe and if needed, attach supplementary information

»» no additional information has been reported

17. Has your country identified East Pacific leatherback adult and juvenile aggregation sites, migration routes, and other sites of importance for conservation in national waters which could be subjected to measures for spatial and temporal management of threats?

Yes

»» no additional information has been reported

18. Has your country taken part in research projects/collaborations to identify critical locations in international waters that are important for the conservation of the East Pacific leatherback?

No

If the answer is "Yes," describe and if required, attach supplementary information (500 words)

»» no information has been reported

#### **Section 4 - Prohibitions for the consumption and use of the Eastern Pacific Leatherback (parts and derivatives, capture, transportation, and trade)**

19. Does your country identify areas where consumption and illegal use of East Pacific leatherback occurs?

Yes

If the answer is "Yes," describe the areas where consumption and illegal use occurs, the frequency of occurrence, and efforts to reduce this threat (500 words max)

»» no additional information has been reported

20. Does your country carry out awareness and enforcement campaigns to stop the consumption and illegal use of East Pacific leatherbacks, in the areas identified in the question above?

No

If the answer is "Yes," list the campaigns carried out in the year of this report (500 words max)

»» no information has been reported

#### **Resolution CIT-COP8-2017-R2 - Hawksbill Turtle (*Eretmochelys imbricata*)**

1. Is your country strengthening monitoring of the illegal use and trade of hawksbill turtles and their products?

Not applicable

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

2. Is your country enforcing pertinent hawksbill legislation?

Not applicable

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

3. Are activities being carried out in your country to stop the illegal trade of hawksbill products?

Not applicable

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

#### **4. Indicate if your country is strengthening the protection of important nesting and foraging habitats by declaring protected areas and regulating anthropogenic activities that adversely impact these habitats**

4a. Protection of nesting habitats

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

4b. Protection of feeding habitats

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

## **Resolution CIT-COP7-2015-R3: Resolution on the Conservation of the Loggerhead Sea Turtle (*Caretta caretta*)**

1. Has your country created national action plans and/or monitoring programs to promote loggerhead sea turtle conservation?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

2. State if there are plans or recovery programs, or bilateral or regional cooperation in your country.

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» . no information has been reported

3. Are these action plans or monitoring programs being implemented?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»»Yes

Within the framework of the National Plan for the Conservation of Sea Turtles in Peru 2019 – 2029, the following actions have been carried out: 1) Awareness-raising workshops for the conservation of sea turtles in Peru aimed at fishermen and crew members (artisanal and industrial). 2) Training of fishermen and crew members (artisanal and industrial) on the correct way to handle and release bycatch sea turtles.

3) Development of tools and supplies to facilitate the handling and release of sea turtles. 4) Implementation of technologies (LED lights) to mitigate the incidental capture of sea turtles in curtain nets. 5) Implementation of REM cameras to monitor the incidental capture of sea turtles on artisanal and industrial vessels

4. Is there protection of the loggerhead turtle at a state or federal level?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

5. Has your country taken conservation actions to protect nesting beaches and their associated habitats?

No nesting beaches in the country

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

**6. Are there laws on turtle-friendly lighting in areas impacted by coastal development?**

No nesting beaches in the country

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

**7. Is there long-term (minimum 10 years) standardized data available for population trend studies?**

No nesting beaches in the country

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

**8. Is there exploitation or direct harvest of loggerhead turtles in your country?**

Does not apply

**Resolution CIT-COP10-2022-R7 – Reduce impacts of fisheries on sea turtles**

Relating to if your country has adopted the 'Guidelines to Reduce Sea Turtle Mortality induced by fisheries operations', of the United Nations Food and Agriculture Organization (FAO) including:

**A. Research and monitoring of the adverse impact of fisheries on sea turtles**

**1. Does your country collect information by fishery?**

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» Yes

Industrial anchovy fishery with purse seines:

- Monitoring of sea turtle bycatch through REM cameras.
- Monitoring of sea turtle incidental bycatch through the use of electronic logbooks.

**2. Does your country have observer programs?**

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no additional information has been reported

**3. Does your country do research on sea turtle/fishery interactions?**

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» YES

-Implementation of LED lights in curtain nets of the artisanal fishery in two fishing communities in the north of Peru.

-Evaluation of artisanal fishers' perspective on LED light fixtures to reduce sea turtle bycatch.

-Implementation of remote electronic monitoring cameras and follow-up of the collection of information in Mancora.

-Implementation of observers on board to monitor the collection of information from the artisanal parakeet fleet through electronic monitoring cameras and fishing logs. -Study of ghost fishing in six regions of the Peruvian coast.

**4. Does your country have information on non-Party vessels and interactions with sea turtles?**

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» does not apply

5. Does your country cooperate with non-party states to obtain information on interactions with sea turtles?

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» no information has been reported

## B. Mitigation measures

6. Does your country implement mitigation measures in long-line fisheries?

If the answer is **NO** please justify

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» Yes

-Training strategies on good practices for handling and releasing sea turtles

Artisanal fishermen in parrotfish spinel fishery.

-Training course for FONDEPES instructors on good handling and release practices of sea turtles.

7. Does your country implement mitigation measures in gillnets fisheries?

If the answer is **NO** please justify

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

»» -Implementation service of LED lights in curtain nets of the artisanal fishery in two fishing communities in northern Peru.

8. Does your country implement mitigation measures in trawl fisheries (e.g. TEDs)?

If the answer is **NO** please justify

Does not apply

Please list the most relevant actions of the year (500 words)

TEDs: specify legally approved TEDs, their dimensions, material, and target species for that fishery, 2. time-area closures: specify a geographical area, time of closure and target species for that fishery, 3. tow times and/or 4. other measures; or attach any relevant documents

»» no information has been reported

9. Does your country implement mitigation measure in other fishing gears?

If the answer is **NO** please justify

Yes

If yes, please indicate which fishing gears

»» Yes

-Industrial purse seine nets, anchovy, horse mackerel, mackerel and tuna fisheries (industrial fishing enterprises) members of the SNP).

10. List the fisher training programs about best practices for safe handling and release of incidentally- caught sea turtles carried out by your country during the last year

»»Yes

1) "Salvamar" Program from the Nacional Fisheries Society

2) "Cuidamar" Program from the fishing company TASA

3) "Simar" Program from the fishing company CFG Copeinca

4) "Mi Hogar también es el mar" from the fishing company Exalmar

### **C. Socio-economic considerations**

11. Does your country support socio-economic activities that help mitigate adverse impacts of fisheries on sea turtles?

Does not apply

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> no information has been reported

## Part IV – Research Information

Indicate threats (Coastal development, incidental capture, direct use, contamination, pathogens, and climate change) by species

### 1) Threats

#### 1.1 Indicate threats

Indicate threats (**Coastal development, incidental capture, direct use, contamination, pathogens, and climate change**) by species

Lo = *Lepidochelys olivacea*

Lk = *Lepidochelys kempii*

Dc = *Dermochelys coriacea*

Ei = *Eretmochelys imbricata*

Cc = *Caretta caretta*

Cm = *Chelonia mydas*.

	Lo	Lk	Dc	Ei	Cc	Cm
Direct Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Incidental Capture	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coastal development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pathogens	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Climate Change	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### 2) Indicate the mitigation actions that apply for each species

#### 2.1 Habitat loss mitigation actions (i.e. coastal development, pollution, climate change)

	Lk	Lo	Dc	Ei	Cc	Cm
Establishment of Marine Protected Areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lighting regulations in place	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for construction near nesting sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for scientific research on feeding/nesting grounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for recreational activities near nesting sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Beach Cleanups	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Predator's removal/control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use of sea turtle friendly lighting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### 2.2 Bycatch mitigation actions (i.e. Incidental Capture)



	Lo	Lk	Dc	Ei	Cc	Cm
Sea Turtle Excluder Devices (TED)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time/space closures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research on new fishing gear technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vessel monitoring using VMS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Marking of fishing gear in commercial vessels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishers trained on sea turtle safe handling and release	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Observers program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use of circle hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nets are banned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trawling is banned	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nets illumination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 2.3 Direct use mitigation actions

	Lo	Lk	Dc	Ei	Cc	Cm
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nests relocation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Night Patrols	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Day Patrols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flipper Tagging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Satellite Tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Poaching regulations in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental education for local communities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Seizure of sea turtle products	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Livelihood alternatives for local communities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for scientific research	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exception management plan (if applies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3) Research

#### 3.1 Types of research

Please fill out the following table on the types of research being carried out in the country related to each species.

	Cc	Lo	Cm	Lk	Dc	Ei
Tagging	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Migration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Genetics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries interactions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disease	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

#### 3.2 Describe scientific research

In addition to the above, please describe scientific research that is being carried out in the country relating to sea turtle population assessments including tagging, migration, and genetic studies, as well as those relating to conservation issues including habitat monitoring, fisheries interactions, disease, etc.

To report each project, please use the following structure:

- 1) Name of the project
- 2) Objective
- 3) E-mail of the organization/responsible
- 4) Summary (5 lines)
- 5) Annex Number (Use the blue buttons to attach photos and/or the full report, if available)

Describe the file with the same Annex number referenced in the text.

»»

##### Project #1:

Project title: Design of a program through technological tools that optimizes on-board monitoring for the bycatch of endangered, threatened, protected (ETP) species in the fleet of an industrial company dedicated to the anchovy fishery at the national level to mitigate the impact of fishing activity on these species and comply with the sustainability standards of international markets."

Objectives: To design and implement a pilot monitoring program model with electronic logs and electronic cameras to increase and improve the recording of bycatch of marine megafauna (birds, sea turtles, among others) in at least 23% of the industrial fishing fleet in a company.

E-mail address of the organization/person in charge: [angela.hernando@wwfperu.org](mailto:angela.hernando@wwfperu.org)

Summary (5 lines): 15 remote electronic monitoring (REM) cameras were deployed in 11 industrial vessels and 11 electronic logs. The results showed incidental capture in both technologies, however, one complements the other, since there were no bycatch coincidences between both technologies.

Annex Number: No document attached.

##### Project #2

Project title: "Service of implementation of LED lights in curtain nets of the artisanal fishery in two fishing communities in the north of Peru".

Objectives: To generate key scientific knowledge about the different species of sea turtles (e.g. abundance and population structure). Conduct a total of 50 fishing trips for the testing of sea turtle bycatch reduction devices using LED lights, in order to evaluate their effectiveness and quantify bycatch. Train a minimum of 30 fishermen and onboard observers in sea turtle handling and release techniques, as well as increase public awareness and knowledge of sea turtles.

E-mail address of the organization/manager: [shaleyla.kelez@wwfperu.org](mailto:shaleyla.kelez@wwfperu.org)

Summary (5 lines): Each fishing net was divided into three sectors: control zone, buffer zone and lights zone. Surface and bottom gillnets were used, where LED lights were placed. A total of 72 hauls were made with LED lights, bycatch was low (5 hauls in 72 hauls). A total of 43 artisanal fishermen were trained.

Annex Number: No document attached.

##### Project #3:

Project title: "Evaluation of the views of artisanal fishers on LED light devices to reduce sea turtle bycatch".

Objectives: To survey a total of 30 artisanal fishers about their views on LED lights. Analyze and evaluate the perspective of artisanal fishers on the use of LED lights.

E-mail address of the organization/manager: [piero.uced@wwfperu.org](mailto:piero.uced@wwfperu.org)

Summary (5 lines): 38 artisanal fishermen have been trained on the use of LED lights, in addition to 30 surveys on their views of the use of LED lights. So far, the Punta Mero community's outlook on LED lights is quite positive. However, in the town of Zorritos the scenario is different since the view they have towards the LED lights is negative, this due to the sea lions.

Annex Number: No document attached.

Project #4:

Project title: "Service for the implementation of remote electronic monitoring cameras and monitoring of information collection in Mancora".

Objectives: To compare the performance of REM cameras versus on-board observers to obtain information on the fishing operations of an oceanic fishing fleet in northern Peru.

E-mail address of the organization/manager: shaleyia.kelez@wwfperu.org

Summary (5 lines): Remote electronic monitoring (REM) cameras were implemented in five artisanal vessels, we also had the participation of 30 artisanal fishermen and 6 of them received training to be on board. In 17 fishing operations, 161 hauls were made. It is worth mentioning that the results of this project were presented orally at the EBUS Congress (The Humboldt Current System Congress).

Annex Number: Annex 1.

Project #5:

Project title: "Service for the implementation of onboard observers to monitor the collection of information from the artisanal parrotfish fleet through electronic monitoring cameras and fishing logs".

Objectives: To implement a program of observers onboard the artisanal parrotfish fleet, in order to collect information on catch sizes and weights, sex, fishing effort, bycatch and discards with the support of electronic monitoring through smart cameras. Collection, sending and analysis of the information obtained from the logs of the onboard observers of the vessels were involved in the project.

E-mail address of the organization/manager: shaleyia.kelez@wwfperu.org

Summary (5 lines): A total of 49,200 hooks were cast for the capture of parrotfish, in 74 hauls, 10 fishing trips, in 6 spinel boats (5 from Matarani and one from Paita). There were 20 boats involved in the two seasons.

Annex Number: No document attached.

Project #6:

Project title: "Study of ghost fishing in six regions of the Peruvian coast".

Objectives: To carry out a diagnosis of the problem of abandoned, lost or discarded fishing gear (ALDFG) or "Ghost Fishing" existing in artisanal fishing communities, in six regions of the Peruvian coast: Ica, Lima, Ancash, La Libertad, Lambayeque and Tumbes.

E-mail of the organization/responsible: Nadia.balducci@wwfperu.org

Summary (5 lines): 620 surveys were carried out in six coastal regions, of the total respondents, 52% indicated that the coastal gillnet curtain is the gear that generated the most ghost fishing, and 28% indicated that it was the high-altitude gillnet.

Annex Number: No document attached.

You have attached a document, web or URL to this answer: Anexo\_1\_(2).pdf - Anexo 1: Ebus.

Other activities

In the case of projects, please include the name of the project, organizations involved, a five lines summary, current status, and contact person.

### 3.3 Other activities

Include a 500 words summary of information on environmental education activities, programs to establish and manage protected areas, and cooperative activities with other Party countries.

Please attach any other relevant documents using the blue boxes below.

»» no other activities have been reported

## Part V – Nesting Information

No nesting beaches in Peru – Not applicable

## Part VI – Fisheries Information

If your country does not have data available to fill out the information on longline fisheries, please contact the IAC Secretariat [secretario@iacseaturtle.org](mailto:secretario@iacseaturtle.org)