Section A

Background and area of expertise

1. Please state your name and contact email

2. What is your current institution?

○ Academic

○ For-profit organization

○ Government

○ Non-profit organization

○ Other (please specify)

3. How many years of experience do you have working with sea turtles?

○ < 5

○ 5 - 10

○ 10 - 15

○ 15 - 20

○ > 20

4. What is your primary expertise (choose one)

○ Biology and Ecology of sea turtles

○ Economics

○ Education

○ Health and rehabilitation

○ Management

○ Social science

○ Other (please specify)

5. In what environment is your work/research focused (choose all that apply)

☐ Neritic

☐ Oceanic

☐ Terrestrial/nesting ground

6. Please score your familiarity with each sea turtle species below. Categories = no experience, little experience (< 2 years), some experience (5- 10 years), lots of experience (> 10 years).

	Experience
Flatback (Natator depressus)	
Green (Chelonia mydas)	
Hawksbill (Eretmochelys imbricata)	
Kemp's Ridley (Lepidochelys kempii)	
Leatherback (Dermochelys coriacea)	
Loggerhead (Caretta caretta)	
Olive Ridley (Lepidochelys!olivacea)	

7. Score your work experience and familiarity with the threats below with respect to sea turtles. Definitions of threats can be found on the structure file. Categories = no experience, little experience (< 2 years), some experience (5- 10 years), lots of experience (> 10 years).

	Experience
Climate change	
Coastal development/coastal population/tourism	
Development (in - water)	
Disease	
Fisheries	
Pollution	
Predation	
Direct Take	

8. Please score your experience and familiarity with the regions below with respect to sea turtles. The equator is the breakpoint with respect to north and south. Categories = no experience, little experience (< 2 years), some experience (5- 10 years), lots of experience (> 10 years).

	Experience
Northeastern Atlantic Ocean	
Southeastern Atlantic Ocean	
Northwestern Atlantic Ocean	
Southwestern Atlantic Ocean	
Greater Caribbean Sea (Florida to northern south America, including Gulf of Mexico)	
Greater Indian Ocean (including the Persian Gulf, Arabian Sea, Gulf of Oman, red Sea and the Gulf of Aden)	
Mediterranean Sea	
Northwestern Pacific Ocean	
Southwestern Pacific Ocean	
Northeastern Pacific Ocean	
Southeastern Pacific Ocean	

9. Please indicate the top three choices of topic and theme you would be most interested in writing as part of your contribution. Topic/themes are indicated on the excel file with the structure of the paper. Each section will be about 400-600 words. (e.g., Key threats - climate change; Conservation - predation)

	Choices
First choice	
Second choice	
Third choice	

Key Knowledge gaps associated with specific threats

When answering questions 11 - 16 please think of knowledge gaps of broad geographical relevance. Description of threats can be found at the paper structure file, which was sent as a link in the email or https://docs.google.com/spreadsheets/d/1WkrgwDRC7nbFPMa-BDerbL_k0SkMfWeK/edit#gid=118235919

10. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of climate change on sea turtles?

Knowledge Gap 1 _____

Knowledge Gap 2 _____

Knowledge Gap 3 _____

11. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of coastal development on sea turtles?

Knowledge Gap 1 _____

Knowledge Gap 2 _____

Knowledge Gap 3 _____

12. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of pollution on sea turtles?

Knowledge Gap 1 _____

Knowledge Gap 2 _____

Knowledge Gap 3 _____

13. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of fisheries on sea turtles?

Knowledge Gap 1 _____

Knowledge Gap 2 _____

Knowledge Gap 3 _____

14. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of predation on sea turtles?

Knowledge Gap 1 _____

Knowledge Gap 2 _____

Knowledge Gap 3 _____

15. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of direct take on sea turtles?

Knowledge Gap 1

Knowledge Gap 2

Knowledge Gap 3

16. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of disease on sea turtles?

Knowldege Gap 1

Knowldege Gap 2

Knowldege Gap 3

17. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of wind energy on sea turtles?

Knowledge Gap 1

Knowledge Gap 2

Knowledge Gap 3

18. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of dredging on sea turtles?

Knowledge Gap 1

Knowledge Gap 2

Knowledge Gap 3

19. In your view, what are the top 3 knowledge gaps that need to be addressed for us to have a better understanding of the impacts of ports on sea turtles?

Knowledge Gap 1

Knowledge Gap 2

Knowledge Gap 3

20. Can you indicate emerging fields/techniques (e.g., biologging, genetics) that can help us better understand impacts of specific threats on sea turtles. List emerging field and associated threat.

Section B

Key knowledge gaps associated with impacts of climate change on sea turtles

1. Please indiate your name

2. In your view, what are the greatest challenges associated with quantifying the impacts of climate change on sea turtles?

3. In your view, what are the top 3 questions that should be addressed to better understand the impacts of climate change on sea turtles?

Question 1

Question 2

Question 3

4. How certain are you of the impacts of climate change on sea turtles globally?

○ Low certainty: Very little or no empirical work/literature exists, or you have limited personal experience

○ Moderate certainty: Some empirical work exists/literature, or you have some personal experience

○ High certainty: Body of empirical work exists, or you have direct personal experience

○ Very certain: Extensive empirical work exists, or you have extensive personal experience

5. What are the key conservation mechanisms that come to your mind when you think about mitigating the impacts of climate change on sea turtles?

6. In your opinion, what is the top 3 knowledge gaps that need to be addressed for the indentified strategies (Question 5) to be more effective?

Knowledge gap 1

knowledge gap 2

knolwedge gap 3

7. What are the key challenges associated with implementing conservation mechanisms to mitigate impacts of climate change on sea turtles? How may one overcome these challenges?

8. In your view, what's the most efficient and effective ways to mitigate the impacts of climate change on sea turtles? What are the main knowledge gaps associated with these strategies and challenges to implement them? How may one overcome those challenges?

9. In your knowledge, what is the most common conservation intervention used to mitigate the impacts of climate change on sea turtles. What are the main knowledge gaps associated with this strategy and challenges to implement it? How may one overcome those challenges?