

Gaps in expertise in the Pool of Experts identified by the Joint Coordinators of the Regular Process, based on the outline for the second world ocean assessment

GENERAL NOTES:

- **Though there is no particular chapter in the outline of the second world ocean assessment dealing with gender studies, there will be a need for experts on this topic. Such experts would need to review chapters dealing with human society and the ocean to ensure that adequate coverage of this aspect is given.**
- **There will be need for experts in the socioeconomic field. Such experts would need to review all the chapters of the second world ocean assessment making sure this aspect is properly included.**

Chapter: 4 (Drivers):

Need for a wider range of expertise.

Chapter 6 (Trends in the biodiversity of main taxa of marine biota):

Sub-chapter 6A (Plankton): Need for additional experts from the southern hemisphere.

Sub-chapter 6C (Fish): Need for experts from the Indian Ocean and the North Pacific regions.

Sub-chapter 6E (marine reptiles): Need for experts on marine iguanas.

Sub-Chapter 6F (Seabirds): Need for additional experts generally.

Sub-Chapter 6G (Marine plants): Need for additional experts, especially from the southern hemisphere.

Sub-Chapter 6H (Macroalgae): Need for additional experts from all regions.

Chapter 7 (Trends in the state of biodiversity in marine habitats):

Sub-Chapter 7A (Sand and mud substrates (soft bottom)): Need for additional experts from the North Atlantic and the Pacific regions.

Sub-Chapter 7C (Intertidal zone): Need for additional experts from the western and southern Pacific.

Sub-chapter 7E (tropical and subtropical corals): Need for experts from the Indian Ocean region.

Sub-Chapter 7F (Cold-water corals): Need for experts from the Indian Ocean region.

Sub-Chapter 7K (Salt marshes): Need for additional experts from the North Pacific region.

Sub-chapter 7M (high latitude ice habitats): Need for experts from southern Indian Ocean region.

Sub-Chapter 7O (Abyssal plains): Need for additional experts on the Pacific.

Sub-Chapter 7P (Open ocean): Need for additional expertise on the Pacific.

Chapter 8 (Trends in the state of human society in relation to the ocean)

Sub-Chapter 8B (Human health as affected by the ocean): Need for additional experts from the southern hemisphere.

Sub-Chapter 8C (Maritime industries): Need for additional experts from countries with significant economic interests in these industries.

Chapter 9 (Pressures from changes in climate and atmosphere):

Need for additional experts from the Indian Ocean and North Pacific regions.

Chapter 16 (Changes in aquaculture):

Need for additional experts from the western Pacific.

Chapter 18 (Changes in desalinization and in the production of sea salt):

Need for more experts, especially from the North Atlantic and the South Pacific regions.

Chapter 19 (Changes in seabed mining):

Need for additional expertise from the North Pacific region.

Chapter 20 (Changes in hydrocarbon exploration and extraction):

Need further expertise from the North Sea and Indian Ocean (including the Arabian Sea and the Bay of Bengal), the Red Sea and Gulf of Aden and the ROPME/RECOFI area, in particular from States involved in hydrocarbon exploration and extraction.

Chapter 21 (Changes in inputs of anthropogenic noise):

Need for experts from the South Pacific and Indian Ocean regions.

Chapter 22 (Developments in renewable energy sources, including geothermal energy):

Need further experts from the North and South Pacific and the Indian Ocean regions, especially in the fields of ocean geothermal, offshore solar and marine biomass energy.

Chapter 23 (Developments in marine transportation):

Need for additional experts, especially from States with major shipping interests.

Chapter 24 (Developments in tourism and recreation activities):

Need for additional experts from the Indian Ocean and the Pacific Ocean regions.

Chapter 27 (Marine hydrates – a potentially emerging issue):

Need for experts from all regions.

Chapter 28 (Cumulative impacts):

Need for additional experts from the North Pacific and Indian Ocean regions.

Chapter 29 (Developments in marine spatial planning):

Need for experts from the South Pacific, as well as countries in Western Europe.

Chapter 31 (Developments in the understanding of overall benefits from the ocean to humans):

Need for experts from all regions.