

Provisional Agenda rev.8

Second Meeting of the SIOFA Stock and Ecological Risk Assessment Working Group (SERA-WG2)

Co-Chairs: Dr Tom Nishida (Stock Assessment) and Mr Lee Georgeson (Ecological Risk Assessment)

Items which will not be addressed this year due to the reduced format and postponed to 2021 are in grey text. Annotations to the agenda are in italicised text. Methods of process (e-mail or VC: video conference) are indicated by red text.

Note: The SIOFA SERAWG is a formal sub-group of the SIOFA Scientific Committee and is subject to the same Rules of Procedure as other SIOFA bodies. In accordance with the SERAWG's Terms of Reference, all 'rules' of the SERAWG will be consistent with the SC Terms of Reference.

1. Openings

- 1.2 Opening statement from the Co-Chairs
- 1.2 Introduction of participants

2. Administrative arrangements

- 2.1. Adoption of the agenda
- 2.2. Confirmation of meeting documents
- 2.3. Appointment of rapporteurs
- 2.4. Review of functions and terms of reference

These agenda items are administrative requirements as guided by the SIOFA Rules of Procedure.

Process: VC

3. Alfonsino

In accordance with CMM 2019/01 para 6, SC 2020 shall develop and provide advice and recommendations to the MoP on the status of stocks of principal deep-sea fishery resources targeted, and, to the extent possible, taken as bycatch and caught incidentally in these deep-sea fisheries, including straddling fishery resources.

In accordance with CMM 2019/15 para 3, SC shall provide annual reports on the status of demersal fisheries resources targeted, relative to available and/or relevant reference points. The reports shall include, where possible, projections of stock status over a period no less than 20 years, with 5 years steps, relative to a range of fishing mortality. In addition to the annual report on stock status, SC will provide management advice relative to available and/or relevant reference points. Additionally, MoP5, para 51, requests SC provide advice on the status of stocks in relation to MSY until specific reference points are adopted (MoP5 Report, para 51).

3.1. Update on the fishery

The update on the fishery will provide input to the requirement in CMM 2019-15 (Demersal stocks) para 3.

3.2. Alfonsino workplan (SC4 Annex G and W)

SERAWG to review workplan. SC4, para 135 and Annex V outline the work plan for the alfonsino assessment under the SERAWG.

3.3. Resource analyses by member countries

Process: VC

3.4. Report of CPUE evaluation and stock assessments by the Consultant

Process: VC

3.5. Review of progress against CMM 2019-15 (Demersal stocks)

In addition to the directions noted above in CMM 2019/01 para 6 and CMM 2019/15 para 3, in accordance with CMM 2019/15 para 54-55, the SC 2020 shall assess the Beryx splendens stocks and provide advice on assessment time frames. The SC shall provide advice and guidance on any necessary changes to data collection to reduce future assessment uncertainty.

Process: e-mail

3.6. Future work plan

SERAWG to formulate future workplan.

Process: e-mail

3.7. Other matters (storage and property of otoliths and relevant data)

3.8. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the stock assessment, stock status and work plan.

Process: e-mail

4. Patagonian toothfish

In accordance with CMM 2019/01 para 6, SC 2020 shall, develop and provide advice and recommendations to the MoP on the status of stocks of principal deep-sea fishery resources targeted, and, to the extent possible, taken as bycatch and caught incidentally in these deep-sea fisheries, including straddling fishery resources.

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4.1. Update on the fishery

The update on the fishery will provide input to the requirement in CMM 2019-15 (Demersal stocks) para 3.

4.2. Patagonian toothfish workplan (SC4 Annex G and W)

SERAWG to review workplan.

4.3. Resource analyses by member countries

Process: VC

4.4. Relevant information from CCAMLR

4.5. Review of progress against CMM 2019-15 (Demersal stocks)

In addition to the directions noted above in CMM 2019/01 para 6 and CMM 2019/15 para 3, in accordance with CMM 2019/15 para 28-30, SC 2020, for the Del Cano Area, the SC shall make recommendations to build an area wide habitat

*model, a spatial and temporal CPUE analysis, an estimate and map of local abundancies and a local population assessment. It shall advise on any necessary improvements to data collection to reduce future assessment uncertainty. The SC shall address the issues related to depredation and advise on appropriate limits for relevant species caught as bycatch in *Dissostichus spp. fisheries*.*

Process: e-mail

4.6. Future work plan

SERAWG to formulate future workplan

Process: e-mail

4.7. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

Process: e-mail

5. Orange roughy

In accordance with CMM 2019/01 para 6, SC 2020 shall, develop and provide advice and recommendations to the MoP on the status of stocks of principal deep-sea fishery resources targeted, and, to the extent possible, taken as bycatch and caught incidentally in these deep-sea fisheries, including straddling fishery resources.

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5.1. Update on the fishery

The update on the fishery will provide input to the requirement in CMM 2019-15 (Demersal stocks) para 3.

5.2. Orange roughy workplan (SC4 Annex G and W)

SERAWG to review workplan.

5.3. Resource analyses by member countries

Process: VC

5.4. Review of progress against CMM 2019-15 (Demersal stocks)

SERAWG to review progress against CMM 2019-15 paragraphs 4-6. Specifically, in accordance with para. 5, the orange roughy stocks shall be the subject of a full stock assessment to be assessed every three to five years. In the interim period available information on ORY stocks shall be presented annually [also relevant to agenda item 5.1]. In accordance with para. 6, the SC shall provide a summary of future data needs to improve assessment accuracy, as well as provide a summary to MoP-7 on progress against the ORY work plan.

Process: e-mail

5.5. Future work plan

SERAWG to formulate future work plan.

Process: e-mail

5.6. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

Process: e-mail

6. Other fisheries/species

In accordance with CMM 2019/01 para 6, SC 2020 shall, develop and provide advice and recommendations to the MoP on the status of stocks of principal deep-sea fishery resources targeted, and, to the extent possible, taken as bycatch and caught incidentally in these deep-sea fisheries, including straddling fishery resources.

6.1. Deepwater chondrichthyans

6.1.1. Implementation of FAO shark guides (CMM 2019-02, para. 8) and other efforts to improve data collection

6.1.2. Review of progress against CMM 2019-12 (Sharks), including development of precautionary bycatch limits (para. 4)

SERAWG to review progress against CMM 2019-02 paras 1–7. Specifically, in accordance with paragraph 4, by 2020 the SC shall advise the Meeting of the Parties on the need to adopt any appropriate by-catch limits for relevant SIOFA deep sea shark species and fleets, including on scientific and data needs for underpinning the elaboration of such advice.

6.1.3. Future work plan

SERAWG to formulate future workplan.

6.2. Resource analyses by member countries including the MRAG report (Saya de Malha bank) (Mauritius)

6.3. Future work plan

6.4. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

Process: e-mail

7. Technical work to inform reference points and harvest strategy development

MoP5 para 52-53 requested the SC provide advice on candidate target and limit reference points for orange roughy, alfonsino and toothfish and develop a framework and workplan for the establishment of harvest strategies for key SIOFA stocks. SC4 para 174-175 and Annex X outline the work plan to progress this work.

7.1. Review and progress against the work plan (SC4 Annex X)

7.2. Future work plan

SERAWG to formulate future workplan.

7.3. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

8. Ecological risk assessment

In accordance with CMM 2019/01 para 6, SC 2020 shall, develop and provide advice and recommendations to the MoP on the status of stocks of principal deep-sea fishery resources targeted, and, to the extent possible, taken as bycatch and caught incidentally in these deep-sea fisheries, including straddling fishery resources.

8.1. Teleosts and others

- 8.1.1. Relevance to implementation of the SIOFA stock assessment framework and refinement of SIOFA species list
- 8.1.2. Priority species for further assessment

8.2. Report of Ecosystem Approach to Fisheries - Dr Fridtjof Nansen cruise (2018) (Seychelles and Thailand)

8.3. Future work plan

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

8.4. Advice to the SC

SERAWG to formulate advice to the Scientific Committee on the technical elements above and work plan.

Process: e-mail

9. SIOFA stock assessment framework – implementation, including species categorisation and data characterisation, including refining SIOFA species list

- 9.1. Review and discussion
- 9.2. Advice to the SC

10. Future meeting arrangements

11. Other business

12. Adoption of the meeting report

Process: e-mail

13. Close of meeting