

## 4<sup>th</sup> Meeting of the Scientific Committee

The Hague, Kingdom of the Netherlands  
10 - 15 October 2016

**SC-04-28**

### September 2016 Scientific Committee web meeting summary

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The meeting began at 13:00 GMT Wednesday 14 September 2016 and finished at 14:40.

#### *Participants*

Niels Hintzen (EU) Secretariat	Chair for the web meeting; Johanne Fischer, Craig Loveridge; Lee Qi (graduate student assisting at SC-04);
Australia	Simon Nicol;
Chile	Mauricio Galvez plus other Subpesca participants;
China	Gang Li, Bilin Liu;
EU	Ad Corten;
Korea	Jae-Bong Lee, Seok-Gwan Choi, Jihyun Kim;
Peru	Jorge Csirke, plus participants from IMARPE and SNP;
New Zealand	Martin Cryer.

#### *Agenda*

Niels shared a preliminary agenda for this web meeting. Chile asked to add in an agenda item (9). The final Agenda for the 2nd web meeting was:

- 1) Squid
  - a) Progress data compilation
  - b) Progress stock assessment preparation
  - c) Suggestions on advisory process
- 2) Deepwater
  - a) Progress on assessment
  - b) Suggestions on advisory process
  - c) VME spatial management options
- 3) Jack Mackerel
  - a) Data template completeness and provision
  - b) Assessment planning update from 1<sup>st</sup> web meeting
- 4) Annual Seabird interactions/mitigation and other associated bycatch
- 5) Observer programme WG feed back
- 6) Provision of summary paragraphs for report
- 7) Updates to SC research program
- 8) Chairpersons (both for SC and the 2 WGs)
- 9) Venue for 2017 SC meeting

### *Squid*

Niels opened the floor regarding data compilation for squid.

China talked briefly about its paper on age, maturation and population structure of squid and hopes to see work on squid during the SC. China also hopes to present the results of a Bayesian space squid stock assessment to the SC meeting (work is not yet complete).

Peru is presenting a paper to fulfil the Commission's request on research needs and level of data detail needed for stock assessment and will be presenting views on the type of data that should be collected in the SPRFMO Area.

Peru will not be presenting an assessment this year but does acknowledge, and is grateful for, the great effort being done by various members in providing assessments for jumbo squid. Peru would like to see broad assessment methods applied in the case of squid. Chile agreed with this approach.

The Secretariat referred to its paper concerning the historic catch series for Squid. This series does have some significant gaps (especially for coastal catches) and asked those participants who fish for squid to look at that paper and provide any missing information in order to fill the gaps.

Korea asked about the catch effort information that is available. The secretariat confirmed that fishing activity data begins in 2007 and varies greatly; this is detailed in a paper on the meeting webpage. Most of the fishing activity data that has been submitted has been summarised in some way (either monthly 1\*1 degree, or annual 5\*5). The exception to this is Korea whose data exactly matches Annex 4 of CMM 4.02 (Data standards). It was also confirmed that all of the fishing activity data is for the SPRFMO area only.

### *Advisory process for squid*

Peru stated that the SC has been asked to define what is needed to allow effective stock assessment. Peru believes one of the main jobs at this meeting will be to provide the type and level of detail necessary to build an assessment process and produce advice for the Commission in order for it to be able to take management decisions.

Chile would like the discussions to continue beyond data needs and into a process for assessment. They highlighted that data cannot be provided by members until they know what is needed.

Niels suggested, based on prior experience, that knowing what format and quality of data is available can inform the meeting about what is possible.

Peru outlined some of the problems when combining artisanal and industrial data sets. Peru did not believe that data collection from high seas fleets should be constrained by the quality and level of data that may be collected by coastal States. Peru felt it may be better to ensure that the best available data is collected when possible.

Chile would like to see assessment across the whole area. Peru was of the view that SPRFMO should concentrate on the Convention Area and is fully prepared to voluntarily provide information to support this process. China felt that the stock was a straddling stock and as such needed should rely on information from all areas. Korea also felt it was important to combine data from inside EEZs with data from outside on the high seas.

### *Deepwater*

New Zealand outlined their preliminary paper on ORH stock assessment. One of the drawbacks with the paper was that New Zealand had thus far only been able to include its own data. When questioned New Zealand replied that the main data that was missing was from Australia and that approaches had been made to secure that data. New Zealand anticipated that the assessment models will be finished around December and so updates will be provided at the SC. Hence the SC might wish to consider how best to present this to the Commission given when it is expected to be available.

Regarding advice, New Zealand anticipates similar advice to last year. At this stage most areas look have contributed catches that are within reasonable limits. Australia and New Zealand are also working on a more comprehensive review of CMM 2.03 (Bottom fishing) with a timeframe of the end of SC-5 (2017).

New Zealand has made progress on modelling and prediction of VMEs and zonation to foster discussion with stakeholders around spatial management options. VME models are now regional and also at individual seamount resolution for the western side of the SPRFMO Area. Those models underpin the zonation process which is used to develop spatial management options.

Chile will not be presenting any specific work because they don't currently have activities on the high seas. However, they have created a large MPA area over the Nazca rise within their ANJ.

New Zealand requests that the SC has a discussion on a new Bottom fishing measure and asked for some time specifically for this topic at the meeting.

New Zealand confirmed that the first toothfish exploratory fishing had occurred. Chile asked if there will be a report on the toothfish fishing. New Zealand confirmed that they have submitted a paper which is currently on the website.

### *Jack mackerel*

Niels asked for an update by fleet regarding the new data templates for the Assessment workshop.

Fleet 1 & Fleet 2, Chile has submitted data as per the template.

Fleet 3, Peru thinks that the information has been collated. They noted there may be an issue with the industrial CPUE because that part of the fleet has not been active in the last couple of years. Ecuador has provided its information to the Fleet 3 coordinator.

Fleet 4, China the EU and Vanuatu have provided their information to the Fleet 4 coordinator and Korea made a commitment to provide its template shortly.

### *JM Assessment planning update*

Niels opened floor to any additional new ideas that had not been discussed at the previous web meeting. No ideas were brought forward.

### *Seabird and associated bycatch*

There are 2 papers (one from the EU and one from the Secretariat) that have been posted and will be discussed at the SC.

### *Observer programme WG*

The OPWG has produced a draft CMM regarding the SPRFMO observer programme. This draft is available on the SC meeting page along with a letter from the OPWG which requests feedback from the SC. The SC should devote some time to the Draft CMM to ensure Scientific considerations are fully incorporated.

Korea confirmed that it had collected from observer on board one vessel and will be presenting an observer report to the SC.

### *Updates to SC research program*

The Secretariat reminded people that last year the updates for the SC research programme were done in a rush at the end of the meeting. This year it would be helpful if people could take a look at the current research programme and come to the meeting already prepared with ideas and suggestions. That will make the job of updating/re-confirming the research plan much easier.

Chile agreed with this approach.

### *Summary paragraphs*

Niels reminded people of the need for a summary paragraph so that the report can be generated a lot easier and faster.

### *Chairpersons*

Niels informed the meeting that both chair positions are up for re-election and the 2 working group (jack mackerel and Deepwater) positions will also need to be considered. Johanne confirmed that a Chairperson can be in office for more than 2 terms and offered to conduct informal enquires as to those positions during the meeting (in order to help speed the discussions).

### *Venue for the 2017 SC meeting*

Chile wished to remind States to begin discussions so that the venue for the next SC can be finalised quickly.

### *Other issues*

Niels opened floor for other issues. Johanne mentioned that the Secretariat is revising the website and would like to present something to the SC regarding science pages.

Niels offered his support regarding participants travel arrangements. He thanked everyone for attending and was looking forward to seeing everyone in The Hague next month.