

**2<sup>nd</sup> Meeting of the Scientific Committee**

Honolulu, Hawaii, USA

1-7 October 2014

**SC-02-INF-03**

**Discussion Presentation used for July 2014 SPRFMO Web meeting**

***Niels Hintzen***

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**Notes SPRFMO Scientific Committee  
Web meeting 30-Jul-2014 14:00 GMT**

Jim: asks if there are any comment on VME's? No response. Agreed to move on to Jack Mackerel agenda sections

**1.1) Report / review Intersessional work:**

Jim mentions new contributions by Peru (book) and EU / Peru -> fisheries data utility workshop

**Data**

Cristian: Chilean data developments: CPUE (fleet 2, available to 2014), catch-at-age (fleet 2, end of August), wt-at-age (fleet 2, end of August), landings by fleet (1 & 2, end of August), not sure if acoustic data will be available (not sure)

Niels asks if data for fleet 1 comes available too?

Cristian indicates that Fleet 1 has hardly any catches, therefore no data available.

Jim asks how the new data will be provided to everyone, will it be send to Craig, or waiting till SC meeting itself?

Cristian: indicates he will send excel files at the end of August.

Craig asks if data per fleet for 2013 will be provided before the SC meeting?

Cristian indicates will send also 2013 data at the end of August.

Jorge: wants to raise an element raised in La Jolla. He questions to what extent the CPUE captures the changes in the distribution and concentration of the stock. He points out the change in distribution in 2013 with previously a distribution onto the high-seas while in 2013 fish were much closer to shore. Jorge is concerned that not applying a correction in the CPUE for the change in distribution will affect the assessment.

Cristian: indicates they use two periods of catchability to account for this. They now also introduced a new period of selectivity, which could be treated as a separate survey. This also applies to the Chinese fleet and reflects the offshore abundance.

Jim: asks if Chinese CPUE data has been updated?.

Gang: indicates he has updated the CPUE for 2014.

Jorge reflects that the changes made by Chile sound good. He suggests to have a discussion on CPUE and sensitivity during the SC. Jim supports this.

## Document preparation

Cristian: indicates he wants to show some results on Biological Reference Points work he has been working on. Also, he has performed evaluation of the commission harvest control rule, he expects results at the end of July. CPUE standardization will be updated to 2014, they will prepare a report to show the results.

## Age and Growth:

Rodolfo: There is no coordinator for age and growth analyses. First idea was to validate growth rings (Peru in charge) and year-rings (Chile in charge). There has been an exchange between Peru and Chile. Chile send juveniles (from North) to Peru, Peru send otoliths of adults to Chile. Since then, no news between parties. They will work on a workplan about what has to be done, on how to read daily rings, as techniques differ and not all techniques are adequate. Chile awaits response from Peru on new steps towards workplan.

Jim suggests to pick this further up at the SC.

Rodolfo suggests to hold a workshop.

Niels asks whether there are age-data issues that need to be resolved.

Rodolfo indicates a development before the SC isn't feasible, so last year procedure will be used.

Jorge indicates they have juveniles from Northern Chile and throughout Peru, but not from South-Central Chile.

Rodolfo indicates that the workplan is a priority, they encourage Peru to collaborate on that.

## Acoustic survey standardization

Jim asks Peru for updates on Acoustic standardization.

Ricardo has developed a standard series with updates (similar to last year, based on scientific survey data).

Niels indicates that the IREA meeting has discussed standardization of fisheries acoustic data for use in assessments. However, no set guidelines were presented.

Jorge indicates that he understood a document from this workshop was prepared, Craig confirms that it has been submitted and is available for SC-02.

Aquiles indicates they have acoustic data from fishing vessels (calibrated equipment), they will make this available. He indicates that the CPUE data can be compared with this acoustic data.

## Modeling

Jim summarized input from members and notes that model 1.4 from SC1 was proposed as a base-case run. Other suggestions included to conduct fewer model runs and develop a multi-stock model. Jim asks for contribution from Ricardo or Enrique on this.

Ricardo indicates that they will work on a assessment model that will help to run the different stock-assumption models (combined, north-south). Enrique is working on this. Main objective is to simplify the workflow.

Niels asks if they were to develop a meta-population model, but this is not what they aim for, it's just a simplification.

Ricardo confirms presently a simplification.

Niels also asks if they started to develop the R package.

Ricardo indicates they did work on that, Niels likes to collaborate on that.

## Rebuilding analyses

Jim indicates that Cristian and Niels has worked on that. Will be presented at SC. Jim suggests to define more clearly the performance statistics of the HCRs.

Niels indicates that being able to predict the distribution of fish a few years ahead would be useful to discuss allocation issues raised at the Commission level.

Cristian indicates they will present a paper on 'optimal' allocation, based on changes in selectivity.

Jim noted that an algorithm which estimates optimal allocation is being added to the model (presently Fmsy is estimated given current catch (F) distributions among fleets). He indicated that allocation issues are complicated and suggested a first cut might be to revisit existing spatial data before evaluating predictions.

### Assessment timeline goals

- mid August
  - Finalize inputs and model specifications
- mid September
  - draft report

Craig asks if Ecuador could report on potential catches. He has received information throughout the year from other members.

Ecuador indicated that they are working on it.

Craig indicates that catch data in 2012 has changes slightly, but no major issues have appeared.

### AOB

Joanne introduces herself.

Craig would like to remind the group that submission for papers should occur 30 days before the meeting (end of August)

Jim asks if people can notify him on papers to be submitted, and indicate if other collaborations are necessary.

**Meeting closed at 15:25 GMT**