



CCSBT-EC/0410/11

8. Management Procedure

Purpose

To consider the advice from the Extended Scientific Committee on the further development of a management procedure for the SBT fishery.

Discussion

The outcome of the latest discussion on the development of a management procedure is incorporated in the report of the 5th Stock Assessment Group Meeting. The report is included in the meeting's documents as CCSBT-EC/0410/Rep15.

The independent Chair of the Extended Scientific Committee will report to the Extended Commission on the status of development.

The Chair will advise the Extended Commission that development of the management procedure cannot be completed for decision at CCSBT11. Two options will be put forward to the Extended Commission for completing work on the management procedure. Option A involving two meetings and Option B involving three meetings.

Details of the two options are set out in Attachment A.

The draft budget for 2005 is based on Option B being accepted.

Prepared by the Secretariat

Alternative timeline options for MP completion

The general approach for completion of MP work will involve the following steps:

- 1- Specify “core” grid and “sensitivity” trials.
- 2- Finalization of step 1) is both necessary for further progress, and is unchanged whatever future path forward might be adopted.
- 3- Use those to start refining the four MP, with median recovery tuned to “core”.
- 4- Eventually, recovery tuning will be based on final “reference” set.
- 5- The final reference and robustness trials, together with weighting of factors within reference set may change (though hopefully not too greatly) from the “core” and “sensitivity” trials specified in 1). The main factors, identified at this meeting are likely to be the same for the “reference” and “robustness” combination as for the “core” and “sensitivity” combination. Factors may be switched when moving from the “core” & “sensitivity” to the “reference” & “robustness” sets (e.g. a factor in the “sensitivity” trials may be moved to the “reference” rather than “robustness” trial). This may mean that the “reference” set ends up with more factors than the “core” set, which was chosen to be relatively simple for pragmatic reasons. Furthermore, the levels of factors and the grid-related weightings may also be modified.
- 6- Debate will take place on the extent to which final recommendations by the SC to the Commission regarding adoption of an MP will be based on recovery tuning for the final reference set only, or also recovery performance and some qualitative weighting for robustness trials.
- 7- In parallel with this process:
 - work on other issues such as meta-rules and implementation considerations.
 - regular interactions will be sought with Commissioners to refine their understanding of and preferences for various performance features shown by candidate MPs.

Option (A): Two-meetings

1) 2004 SAG/SC

- Finalize specification of core and sensitivity trials.

2) Between meetings:

- Circulate code for core/sensitivity trials.
- Further exploration of OM and appropriate weightings (by members). There will not be enough time to evaluate and implement structural changes to the code, therefore exploration of OM should be conducted within the current model structure.
- Findings will be discussed by email, including convergence problems, potential bugs, etc.
- Application of MPs to core/sensitivity trials to permit their refinement.

3) 2005 MP workshop:

- Finalize reference set and robustness trials.
- Finalize process to integrate final results at SAG to formulate recommendations, subject to final review at the SAG.
- Review and compare performances of candidate MPs, as refined, in terms of Commission's advice on performance preferences.

4) Between meetings:

- Circulate code for reference and robustness trials.
- Further refine MPs on basis of these trials, with recovery tuning to the reference set.

5) 2005 SAG/SC

- Final review of process to integrate final results from trials.
- Review and compare performances of candidate MPs, as refined, in terms of Commission's advice on performance preferences.
- Make recommendations to Commission on which candidate MPs to consider, and provide results across a range of recovery level tunings.

Option (B): Three-meetings

- 1) 2004 SAG/SC
 - Finalize core and sensitivity trials (specifications).
- 2) Between meetings:
 - Circulate code for core/sensitivity trials.
 - Further exploration of OM and appropriate weightings (by members). There will not be enough time to evaluate and implement structural changes to the code, therefore exploration of OM should be conducted within the current model structure.
 - Findings will be discussed by email, including convergence problems, potential bugs, etc.
 - Application of MPs to core/sensitivity trials to permit their refinement.
- 3) 2005 mini-meeting (externals plus limited number of SAG members):
 - Finalize reference and robustness trials.
- 4) Between meetings:
 - Circulate code for reference/robustness trials.
 - Refine MPs by applying to these trials, with tuning to reference set.
- 5) 2005 MP workshop:
 - Finalize process to integrate final results at SAG to formulate recommendations.
 - Review and compare performance of candidate MPs, as refined, in terms of Commission's advice on performance preferences.
- 6) Between meetings:
 - Further refine MPs
- 7) 2005 SAG/SC:
 - Final review of process to integrate final results from trials.
 - Review and compare performances of candidate MPs, as refined, in terms of Commission's advice on performance preferences.
 - Make recommendations to Commission on which candidate MPs to consider, and provide results across a range of recovery level tunings.