INTER-AMERICAN TROPICAL TUNA COMMISSION

WORKSHOP ON STOCK ASSESSMENT METHODS

La Jolla, California (USA)
7-11 November 2005

PROVISIONAL AGENDA

Monday 7 November; 10:00-4:30

1. Welcome and introduction
2. Review of models:
   2.1 A-SCALA
   2.2 MF-CL
   2.3 SS2
   2.4 CASAL

Tuesday 8 November; 9:00-4:30

3. Application of the models to yellowfin tuna data
4. Discussion of the models, completion of comparison tables, and draft summary for report
5. Questions:
   5.1. How to model fishing mortality: Pope's approximation, effort deviates (MF-CL), or VPA type annual variation in selectivity
   5.2. How to model selectivity: functional form, smoothness penalties, cubic splines

Wednesday 9 November; 9:00-3:30[1]

   5.3. Do we need to integrate across random effects (*e.g.* recruitment deviates) and estimate variances?
   5.4. How to estimate uncertainty: Bayesian; profile likelihood; model uncertainty
   5.5. How to include environmental data (Joint with GLOBEC CLIOTOP Synthesis and modelling Working Group)

Thursday 10 November; 9:00-4:30

   5.6. How to do forward projections
   5.7. What likelihood functions to use for different data sets and how to weight data sets in the assessment
   5.8. Should we use spatial structure in the population dynamics or are spatially defined fisheries adequate?
6. Other topics

Friday 11 November; 9:00-3:00

7. Recommendations for solving the 8 questions and what research is needed
8. Recommendations for additions to the models
9. Draft meeting report

All sessions will be held in Building T-29, Scripps Institution of Oceanography.

Simultaneous interpretation will not be available

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[1] Social event at 3:30