

INTER-AMERICAN TROPICAL TUNA COMMISSION
WORKSHOP ON AGE AND GROWTH OF BIGEYE AND YELLOWFIN
TUNAS IN THE PACIFIC OCEAN

La Jolla, California (USA)
23-25 January 2019

PROVISIONAL AGENDA

Wednesday 23 January

1. 0900: Introductions, notifications, background, objectives, products
(Mark Maunder, Chair)

2. **Bigeye: Investigations of the daily and annual increment deposition rates in otoliths and their usefulness for estimation of age and growth**
0930: Investigations of daily and annual increment deposition rates in otoliths and their usefulness for estimation of the age and growth of fish *(Chris Francis)*
1000: Daily deposition rates: oxytetracycline-marking experiments *(Daniel Fuller)*
1100: Annual and daily deposition rates: strontium-marking experiments
(Jessica Farley)

1130: Discussion

3. **Bigeye: Age estimation based on counts of otolith increments**
1300: EPO *(Dan Fuller)*
1330: WCPO *(Jessica Farley)*
1400: Challenges in the 'art' of ageing: a brief history of 20 years working on age estimation studies, with a focus on the difficulties encountered in recent ageing of bigeye from the EPO and WCPO using otolith annual increment counts *(Kyne Krusic-Golub)*
1430: Discussion

4. **Bigeye: Evaluations of daily and annual increment counts from otoliths**
1530: EPO *(Kurt Schaefer)*
1600: WCPO *(Jessica Farley)*
1615: Work plan for an collaborative WCPFC-IATTC ageing exercise
(Jessica Farley)

1630: Discussion

Thursday 24 January

5. **Bigeye: Comparisons of growth rates derived from tagging data and otolith increment counts**
0900: EPO *(Haikun Xu)*
0930: WCPO *(Matthew Vincent)*
1000: Discussion

6. Bigeye: Growth models currently utilized in IATTC and WCPFC stock assessments and future considerations

1100: EPO (Mark Maunder)

1130: WCPO (John Hampton)

1300: Estimating fish growth for stock assessments using both age-length and tagging-increment data (Chris Francis)

1330: Growth models for bigeye in the WCPO based on annual ageing data, including an assessment of spatial variation in growth (Paige Eveson)

7. Bigeye: Length composition data included in regional stock assessments and the sensitivity of assessment results to the estimated L_{∞} value obtained from growth models

1430: EPO (Haikun Xu)

1500: WCPO (Matthew Vincent)

8. Bigeye: Resolving discrepancies in age and growth in the EPO and WCPO

1530: Synopsis by Chair, discussion

1630: Conclusions and recommendations

Friday 25 January

9. Yellowfin: Investigations of daily and annual increment deposition rates in otoliths and their usefulness for estimation of the age and growth

0900: Daily deposition rates: oxytetracycline-marking experiments (Jeanne Wexler)

0930: Discussion

10. Yellowfin: Age and growth based on otolith increment counts

1030: EPO (Dan Fuller)

1100: Preliminary estimation of the age-at-length of yellowfin from the WCPO based on otolith annual increment counts (Jessica Farley)

1130: Challenges in ageing yellowfin from the EPO and WCPO using otolith annual increment counts (Kyne Krusic-Golub)

11. Yellowfin: Evaluations of daily and annual increment counts from otoliths

1300: EPO (Kurt Schaefer)

1330: WCPO (Jessica Farley)

12. Yellowfin: Growth rate estimates obtained from tagging data

1400: EPO (Carolina Minte-Vera)

1430: WCPO (Graham Pilling)

13. Yellowfin: Growth models currently utilized in IATTC and WCPFC stock assessments and future considerations

1530: EPO (Carolina Minte-Vera)

1600: WCPO (Graham Pilling)

1630: Discussion and recommendations

SCHEDULE:

0900 Start

1030-1100 Break (1000-1030 Friday)

1200-1300 Lunch

1400-1430 Break (1500-1530 Friday)

1700 Close

All presentations will be 20 minutes, plus 10 minutes for questions/comments.

LOCATION:

[Embassy Suites Hotel, La Jolla](#)

4550 La Jolla Village Drive

San Diego, CA 92122

USA