

INTER-AMERICAN TROPICAL TUNA COMMISSION

**WORKSHOP TO IMPROVE THE LONGLINE INDICES OF ABUNDANCE OF
BIGEYE AND YELLOWFIN TUNAS IN THE EASTERN PACIFIC OCEAN**

La Jolla, California (USA)

11-15 February 2019

PROVISIONAL AGENDA

Monday 11 February

- 0900:** Opening of the meeting and welcome (Alexandre Aires-da-Silva)
0915: Introductions, notifications, workshop goals and products (Carolina Minte-Vera, Chair)
- 1. Statement of theme and goals**
- 0930:** Keynote talk: CPUE standardization (Mark Maunder)
1000: Current indices of relative abundance for bigeye and yellowfin in the EPO from standardized longline data, and their potential problems (Carolina Minte-Vera)
1030: Coffee break
- 2. Review of operational-level CPUE data and national regulations for longline fisheries in the Pacific Ocean**
- 1100:** Japan (Keisuke Satoh)
1130: Korea (Sung Il Lee)
1200: Lunch
1300: China (Jiangfeng Zhu)
1330: Chinese Taipei (Sheng-Ping Wang)
1400: Comparison of all fleets in the main EPO stock assessment area (Carolina Minte-Vera)
1430: Discussion: similarities and differences among data sets and ways to combine them
1500: Announcement about the IATTC tagging program (Kurt Schaefer)
1510: Coffee break
- 3. Learning from recent experiences on CPUE standardization in t-RFMOs**
- 1530:** Collaborative work in IOTC and ICCAT, and lessons learnt (Simon Hoyle)
1600: Evolution in the CPUE standardization for WCPFC assessments: from fleet-specific GLMs to spatio-temporal modelling of Pacific-wide operational data sets (Laura Tremblay-Boyer)
1630: Discussion
1700-1900: Social!

Tuesday 12 February

- 4. Overview of methods for CPUE standardization**
- 0900:** *Cpue.rfmo* library and the GLM/GAMM approach (Simon Hoyle)
0930: Spatial-temporal models (Haikun Xu)

5. Targeting effects

1000: Review of international regulations in the Pacific Ocean for longline fisheries that may cause changes in fish targets
(*Guillermo Compean*)

1030: Coffee break

1100: Overview for estimating targeting effects
(*Simon Hoyle*)

1125: Estimation of targeting effects in the EPO using different methods (*Cleridy Lennert-Cody*)

1150: Pacific-wide changes in tuna targeting via cluster analysis of all-fleet operational data sets
(*Laura Tremblay-Boyer*)

1205: Discussion

1230: Lunch

6. Preliminary results of the CPUE standardization using operational-level data

1330: Results using Hoyle's approach: by fleet and combining the data (*Simon Hoyle*)

1400: Spatial-temporal models with the inclusion of vessel effects and targeting
(*Haikun Xu*)

1430: Discussion and recommendation for further CPUE analyses

1530: Coffee break

1600-1700: Analyses (*some participants*)

Completing the CPCs descriptive reports about the data (*other participants*)

Wednesday 13 February

7. Assessing standardization methods

0900: Simulation experiments
(*Nicholas Ducharme-Barth*)

8. Inclusion of size-composition data

0930: Experiences on corresponding size-composition data to the indices and catch
(*Simon Hoyle*)

1000: Corresponding size-composition data to the indices and catch
(*Ricardo Oliveros-Ramos*)

1030: Coffee break

9. Review of size-composition data from longline fisheries in the Pacific Ocean

1100: Japan
(*Keisuke Satoh*)

1130: Korea
(*Sung Il Lee*)

1200: Lunch

10. Standardization: including size-composition data

1300: Standardization including size composition data
(*Haikun Xu*)

1330: Preliminary results of indices by size category
(*Keisuke Satoh*)

1400: Discussion

1500: Coffee break

11. Results

1530: Results of analyses conducted during the workshop

1630: Discussion and further suggestions, review of next two days' agenda

The Thursday and Friday schedules will depend on the work done during the week, following suggestions from participants

Thursday 14 February

0900-1200: Analyses (*some participants*)

Github demonstration

(*Laura Tremblay-Boyer and Simon Hoyle*)

1200: Lunch

1300: Presentation of new analyses

1400: Discussion

1430: Coffee break

1500-1700: Analyses (*some participants*)

Completing the CPC's descriptive reports about the data (*other participants*)

1800-2000: Dinner

Friday 15 February

0900: Results of new size-composition analyses

1000: Discussion

1030: Coffee break

1100: Presentation of new analyses for CPUE standardization

1200: Lunch

12. Final discussion and recommendations

1300: Discussion on future work for CPUE and size-composition data, recommendations from the group

1500 Coffee break

1530: Recommendations from the group (continued)

1630: Approval of recommendations

1700: Adjournment

LOCATION:

[Embassy Suites Hotel, La Jolla](#)

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San Diego, CA 92122

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