

PROPOSED AGENDA

# Assessment Methodology Review of Length-Based Assessment Methods and Data-Moderate and Data-Limited Methods Workshop

Pacific Fishery Management Council  
Via Webinar

May 12-14, 2020

Instructions to attend the online meeting:

1. Use this link: <https://www.gotomeeting.com/webinar>  
(Then click "Join a Webinar" in top right corner of page)
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5. Enter the Attendee phone audio access code 904-227-383
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## Technical Information

### System Requirements:

PC-based attendees: Required: Windows® 10,8

Mac®-based attendees: Required: Mac OS® X 10.5 or newer

Mobile attendees: Required: iPhone®, iPad®, Android™ phone or Android tablet (See the GoToMeeting Webinar Apps)

You may send an email to Kris Kleinschmidt at 503-820-2412 or Sandra Krause at 503-820-2419 for technical assistance.

## **Tuesday, May 12, 2020 – 8:30 AM**

### A. Introduction (8:30 a.m.)

1. Welcome and Introductions
2. Clarification of the Goals of the Methodology Review and Workshop
3. Review and Approve Agenda
4. Review the Terms of Reference for the Methodology Review

André Punt

**B. Review of Potential Adoption of Stock Synthesis with Catches and Lengths  
(9 a.m.; Rapporteur: E.J. Dick)**

1. Overview of Length-based Data-moderate Assessment  
Research Objectives Merrill Rudd, Jason Cope, and Chantel Wetzel
  - a. How to Address Selectivity
  - b. Comparison of Length-Based Stock Synthesis (LB-SS) and Length-based Integrated Mixed Effects (LIME) Models
2. Panel Discussion
3. Summary of Review Panel Assignments

BREAK (10:30-10:45 a.m.)

**(10:45 a.m.; Rapporteur: Melissa Haltuch)**

4. Simulation of Methods using Catch and Length Data to Evaluate Sensitivity to Alternative Life Histories, Spatial Stratification, and Data Series Richness Merrill Rudd, Jason Cope, and Chantel Wetzel
5. Preferences for LB-SS and Major Limitations of LIME
6. Panel Discussion
7. Summary of Review Panel Assignments

LUNCH (12:15 – 1:15 p.m.)

**(1:15 p.m.; Rapporteur: John Field)**

8. Comparison of LB-SS (or LB-SS+index) Performance Relative to Existing Benchmark Assessments Merrill Rudd, Jason Cope, and Chantel Wetzel
9. Panel Discussion
10. Summary of Review Panel Assignments

BREAK (3:45 – 4:00 p.m.)

**C. Considerations Regarding the Terms of Reference for Length-Based Data-Moderate Stock Assessments**

**(4:00 p.m.; Rapporteur: John Budrick)**

1. Considerations, Restrictions, and Requirements for the Terms of Reference for Length-based Data-moderate Assessments
2. What Factors Facilitate/Promote Investing Less Time in the Development and Review?
3. How Should the Terms of Reference Differ from Index-based Data-moderate Methods?
4. How Can the Terms of Reference Provide Latitude for Intermediate Models (e.g., LB-SS+Index)?
5. Should the First Review be in a STAR panel or by the SSC Groundfish Subcommittee?

ADJOURN

**Wednesday, May 13, 2020 – 8:30 AM**

**A. Introduction (8:30 a.m.)**

**5. Morning Welcome and Announcements**

André Punt

**D. Review of Assignments and Potential Adoption of LB-SS**

**(8:45 a.m.; Rapporteur: Theresa Tsou)**

**1. Presentation**

Merrill Rudd, Jason Cope, and Chantel Wetzel

**2. Panel Discussion**

**3. Summary of Review Panel Assignments, if any**

**BREAK (10:15 - 10:30 a.m.)**

**E. Identification of Priority Species for a Potential LB-SS Assessment**

**(10:30 a.m.; Rapporteur: Owen Hamel)**

**1. Identification of Prioritized Species to Which Length-based Stock Synthesis Could be Applied in 2021 and in Future Assessment Cycles**

John Budrick

**2. Criteria for Application**

**3. Application to Data-moderate Stocks vs. Data-rich Stocks with Low Attainment**

**4. Inclusion of Age Data Through Last Assessment, if Available**

**LUNCH (12 - 1 p.m.)**

**F. Review of Data-Moderate and Data-Limited Assessment Methods Approved for Use in Stock Assessments**

**(1 p.m.; Rapporteur: Kristin Marshall)**

**1. Requirements of Magnuson-Stevens Act and the Council Process**

John Budrick

**2. DB-SRA and XDB-SRA Methods and Potential Refinements**

E.J. Dick

**BREAK (2:15 – 2:30 p.m.)**

**G. Review of Potential Data-Moderate and Data-Limited Assessment Methods**

**(2:30 p.m.; Rapporteur: Will White)**

**3. Methods Used in Other Councils Not Applied in the PFMC**

John Budrick

**BREAK (3:30 – 3:45 p.m.)**

**4. Methods that Comport with PFMC Not Yet Considered**

André Punt

F. Review of Assignments and Potential Adoption of LB-SS  
(4:45 a.m.; Rapporteur: Theresa Tsou)

1. Check in on Requests, Discussion, and Coordination of Report Writing André Punt

ADJOURN

**Thursday, May 14, 2020 – 8:30 AM**

A. Introduction (8:30 a.m.)

6. Morning Welcome and Announcements André Punt
7. Check-in on Assignments

G. Potential of the Data Limited Method (DLM) Tool for use in Groundfish Stock Assessments  
(8:45 a.m.; Rapporteur: André Punt)

1. Potential Assessment Methods within the DLM Tool Framework Tom Carruthers

BREAK (10:15 – 10:30 a.m.)

2. MSE Framework in the DLM Tool and Application to Length-based Assessment Methods Adrian Hordyk
3. Discussion of Next Steps and Future Analyses Using the DLM Tool John Budrick

LUNCH (12:30 – 1 p.m.)

H. Final Review of Results and Wrap Up  
(1:00 p.m.; Rapporteur: Jason Schaffler)

1. Review of Final Results for LB-SS Analyses/Assignments and Discussion of Future Refinements Jason Cope

2.

BREAK (2 - 2:15 p.m.)

3. Wrap-up Discussion and Recommendations for Approved Methods, Model Refinements, and Future Research André Punt
4. Review Status of the Draft Report André Punt

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