

**2023 SPC Pre-assessment Workshop Agenda (Version 1a) 25<sup>th</sup>- 28<sup>th</sup> April, Noumea and hybrid.**

**Join Zoom Meeting**

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**Meeting ID:** 937 6726 1839

**Passcode:** 417833

**Times are New Caledonia**

**Chair:** Paul Hamer, [pauh@spc.int](mailto:pauh@spc.int)

**Alternates:** Graham Pilling, [grahamp@spc.int](mailto:grahamp@spc.int) Claudio Castillo Jordan, [claudioc@spc.int](mailto:claudioc@spc.int)

<b>Wednesday 26<sup>th</sup> April</b>  (Tuesday 25 <sup>th</sup> US)	<b><u>DAY 2:</u> Revised 2023 bigeye tuna/yellowfin tuna assessment and external presentations</b>	
09:00 –10.00 <i>Session 7</i> (60 mins)	<b>External presentations: age/growth, conversion factors</b> <ul style="list-style-type: none"> <li>Bomb radiocarbon age validation work (15 mins + 5 mins)</li> <li>Yellowfin sea cage growth experiment (15 mins + 5 mins)</li> <li>Project 90: conversion factors (15 mins + 5 mins)</li> </ul>	<ul style="list-style-type: none"> <li>AA (P15)</li> <li>KO (P16)</li> <li>JM (P17)</li> </ul>
10.00-10.30 <i>Session 8</i> (30 mins)	<ul style="list-style-type: none"> <li>Previous bigeye tuna assessment summary (15 mins)</li> </ul>	<ul style="list-style-type: none"> <li>JD (P18)</li> </ul>
10:30 – 11.00	BREAK (30 mins)	
11.00-12.00 <i>Session 9</i> (60 mins)	<b>Conceptual models of biology and spatial structure</b> <ul style="list-style-type: none"> <li>Consider information and options for spatial structure and fishery definitions (40 mins), focus on results methods covered yesterday.</li> <li>Discussion (20 mins)</li> </ul>	<ul style="list-style-type: none"> <li>PH (background and biology) (P19)</li> <li>Satoh-san slides, BET spawning.</li> <li>IS (SEAPODYM) (P20)</li> <li>JP (Size composition) (P21)</li> <li>JM (CPUE patterns) (P22)</li> </ul> <p>(10 mins each, focus on results)</p>

<p><i>Session 9</i> 12.00 -13.00 (60 mins)</p>	<p><b>Data inputs</b></p> <ul style="list-style-type: none"> <li>• Catch and effort, and raw size data (just focus on any problematic data 15 mins)</li> <li>• Size composition data treatment – follow-up discussion from yesterday (10 mins)</li> <li>• Conditional age at length data summary (10 mins)</li> <li>• Tagging data summary (BET and YFT), tagger effects, tag seeding/reporting rates, mixing etc (15 mins)</li> </ul>	<ul style="list-style-type: none"> <li>• TT (P23)</li> <li>• TP (P24)</li> <li>• AM (P26)</li> <li>• JS (P11-27 combined, TT P25)</li> </ul>
13.00-14.00	Lunch BREAK (60 mins)	
<p><i>Session 10</i> 14.00 -14.40 (40 mins)</p>	<p><b>CPUE analysis (covers yellowfin and bigeye)</b></p> <ul style="list-style-type: none"> <li>• Background</li> <li>• From VAST to sdmTMB</li> <li>• CPUE results so far, peer review and related analyses.</li> </ul> <p>Discussion (15 mins)</p>	<ul style="list-style-type: none"> <li>• TT (P13 and P29 comb.)</li> </ul>
<p>14.40-15.00 <i>Session 11</i> (20 mins)</p>	<p><b>Biology</b></p> <ul style="list-style-type: none"> <li>• Growth</li> <li>• Natural mortality</li> <li>• Maturity/reproductive biology</li> </ul> <p>Discussion (5 mins)</p>	<ul style="list-style-type: none"> <li>• JD (P28)</li> </ul>
<p>15.00 -16.30 <i>Session 12a</i> (45 mins)</p>	<p><b>Model development (combined yellowfin and bigeye)</b></p> <ul style="list-style-type: none"> <li>• 2023 diagnostic model development</li> <li>• Preliminary model results</li> <li>• Proposed next stepwise models, other sensitivities</li> </ul>	<ul style="list-style-type: none"> <li>• AM/JD/JH/ND and all (P30)</li> </ul>
<p><i>Session 12b</i> (45 min)</p>	<ul style="list-style-type: none"> <li>• Diagnostics – what's in Shiny app. what else?</li> <li>• Uncertainties and uncertainty characterization for management advice</li> </ul> <p>Discussion (20 mins)</p>	<ul style="list-style-type: none"> <li>• AM/JD/JH/ND and all</li> </ul>
16.30	Wrap up day (as needed)	All

<b>Thursday 27<sup>th</sup> April</b> (Wed 26 <sup>th</sup> US)	<b>DAY 3: MFCL, MSE, and Skipjack assessment follow-up work</b>	
09.00-9.15	Overnight thoughts/follow-ups	PH
9.15-10.30 <i>Session 13</i> (75 mins)	<b>MFCL</b> <ul style="list-style-type: none"> <li>Recent developments and future work for Multifan-CL (25 mins)</li> <li>Looking forward – future software for tuna assessments – what’s next for MFCL (20 mins)</li> </ul> Discussion (20 mins)	<ul style="list-style-type: none"> <li>ND (<b>P31</b>)</li> </ul>
<b>10:30 – 11.00</b>	BREAK	
11.00-11.20 <i>Session 14</i> (20 mins)	<b>Tuna Management Strategy Evaluation</b> <ul style="list-style-type: none"> <li>Update on progress and 2023 technical workplan (10 mins)</li> </ul> Discussion (10 mins)	<ul style="list-style-type: none"> <li>RS/FS (<b>P32</b>)</li> </ul>
11.20-13.00 <i>Session 15</i> (40 mins)	<ul style="list-style-type: none"> <li>MSE – Skipjack MP (40 mins)</li> </ul>	<ul style="list-style-type: none"> <li>RS (<b>P33</b>)</li> </ul>
<b>13.00-14.00</b>	<ul style="list-style-type: none"> <li>Lunch BREAK</li> </ul>	
14.00-15.00- <i>Session 16</i> (60 mins)	<ul style="list-style-type: none"> <li>MSE – Albacore MSE, OM’s and EM’s (40 mins)</li> <li>MSE – mixed fisheries overview and update (10 mins)</li> </ul> Discussion (10 mins)	<ul style="list-style-type: none"> <li>RS/FS/NY (<b>P34</b>)</li> <li>FS (<b>P35</b>)</li> </ul>
15.00-16.00 <i>Session 17</i> (60 mins)	<ul style="list-style-type: none"> <li>Skipjack stock assessment follow-up work (40 mins)</li> </ul> (Discussion 20 mins)	<ul style="list-style-type: none"> <li>CCJ/JH/PH (<b>P36</b>)</li> </ul>
	<b>BBQ on the deck 6pm</b>	

<b>Friday 28<sup>th</sup> April</b> (Thurs 27 <sup>th</sup> US)	<b>DAY 4: SEAPODYM, Silky shark assessment, tuna research plan, unfinished discussions.</b>	
9.30-10 30 pm <i>Session 18</i> (60 mins)	<ul style="list-style-type: none"> <li>• SEAPODYM overview and development plan</li> </ul>	<ul style="list-style-type: none"> <li>• IS (P37)</li> </ul>
10.30 -11.00	Break	
11.00 -12.30 <i>Session 19</i> (90 min)	<ul style="list-style-type: none"> <li>• Previous silky shark assessment summary</li> <li>• Available data summary/fishery characterization</li> <li>• Plans for catch reconstruction and potential assessment approach.</li> <li>• Preliminary analysis</li> </ul>	<ul style="list-style-type: none"> <li>• PN (P38)</li> </ul>
12.30 -13.00 <i>Session 20</i> (30 min)	<ul style="list-style-type: none"> <li>• Tuna research plan review</li> </ul>	<ul style="list-style-type: none"> <li>• GP (P39)</li> </ul>
13.00-14.00	Lunch BREAK	
14.00-15.30 <i>Session 21</i>	<ul style="list-style-type: none"> <li>• Review on approaches for ensemble model development and characterising uncertainty in WCPFC assessments (30 mins)</li> <li>• Unfinished discussions as needed</li> </ul>	<ul style="list-style-type: none"> <li>• PN (P40)</li> </ul>
15.00  Wrap up and  Follow-up	<b>WRAP UP-Follow-up</b> <ul style="list-style-type: none"> <li>• Note any key recommendations</li> <li>• Meeting draft paper circulated for comments</li> <li>• Comments received</li> <li>• Meeting paper finalized for SC16 submission</li> <li>• Aim for end of May</li> </ul>	PH

PH Paul Hamer, AM Arni Magnusson, CCJ Claudio Castillo Jordan, ND Nick Davies, JD Jemery Day, TT Thom Teears, RS Rob Scott, FS Finlay Scott, TP Tom Peatman, KO Kei Okamoto, NY Nan Yao, PN Philipp Neubauer, JSP Joe Scutt Phillips, JH John Hampton, AA Allen Andrews, GP Graham Pilling, IS Inna Senina, JP Joanne Potts.