## PLEASE PROVIDE COMMENTS TO annala@snap.net.nz before 18:00 on Wednesday, 10 August 2016

**6.2.2 Review of conservation and management measures for sharks**

a. CMM 2010-07 (CMM for Sharks)

**SC12 recommends that the Commission notes the conclusions of EB-WP-06 as follows:**

1. The option for flag states to choose which fishing technique they exclude (either wire trace

or shark-lines) has the potential to substantially lessen the reductions of fishing mortality to silky shark and oceanic whitetip shark;

2. If flag-states choose to exclude the technique least used by their vessels, the median predicted reductions in fishing-related mortality are 6% for silky shark and 10% for oceanic whitetip shark. This compares to reductions of 24% and 37% respectively if choice was removed and both techniques excluded.

3. Increased observer coverage is required to improve data collection on the effects of mitigation of shark catch on longlines.

**[Therefore SC12 recommends that the Commission consider excluding the use of both wire traces and shark lines as described in CMM2014-05.]**

**SC12 recommends that the Commission notes the conclusions of EB-WP-03 as follows:**

1. Redistribution of effort from FADs to free schools resulted in substantial reductions in

estimated catches of silky shark (by 83%) and oceanic whitetip shark (by 57%) compared to the ‘status quo’; however, there was large uncertainty in total catch estimates due to low confidence in assumed estimates of non-zero shark catches.

**6.4 Sea turtles**

**SC12 recommends that the Commission notes:**

1. The results from the first workshop on Joint Analysis of Sea Turtle Mitigation Effectiveness in Longline Fisheries
2. The recommendations for future work and look forward to receiving the results from the second workshop to be held in November 2016

**6.6 Data exchange**

**The following recommendations were made in EB-WP-12**

1. The BDEP trial should continue
2. Publish BDEP as public domain information on the WCPFC web site… BDEP tables and issues addressed in SC Data gaps paper
3. Resolve issues for estimating mortality rates for purse seine
4. Provide a table of observer effort by 5°x5°
5. Request vessel identities in observer data where missing (seek advice from the respective CCMs)
6. Report seabirds to the species level, where possible
7. Expand the BDEP protocol to marine mammals to the species level, where possible
8. Review and update length-length and length-weight relationships for BDEP for SSIs
9. Undertake a trial regional BDEP compilation for purse seine at the scale of the Pacific Ocean, in co-operation with the IATTC and CCSBT Secretariats (subject to resourcing)

**SC12 considered the following three options for future work (numbers refer to the numbered recommendations above):**

A. Basic, no-cost (*reprioritise other DM tasks*)

Continue trial in 2017-18 (1), publish on web (2)

B. Enhance, low cost

As for A., plus, resolve purse seine form links (3), provide table of observer effort (4), resolve vessel identifiers (5), report seabirds to the species level (6), include marine mammals (7)

C. Focus, moderate cost

As for B., plus, review and update L:L and L:W relationships for SSIs (8), and undertake regional trial (9)

**SC12 recommends that the Commission notes:**

1. That SC12 recommends the choice of Option A (Basic, no cost)