



Australian Government
Department of Agriculture

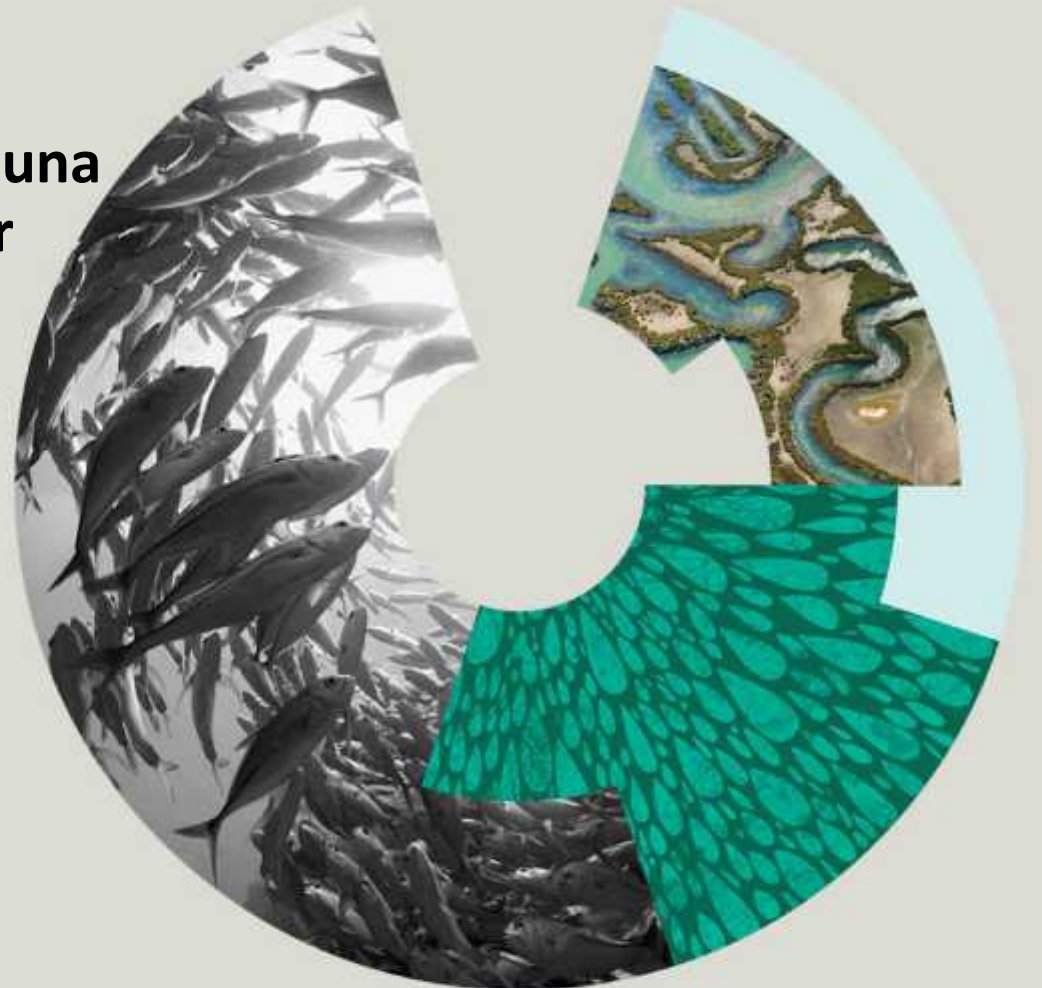
Work plan for developing harvest strategies for key tuna species in the WCPO under CMM 2014-06.

FFA Proposal

WCPFC-HSW-2015
Agenda Item 8

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OUTLINE

- The need for a work plan under CMM 2014-06
- Elements of a harvest strategy under CMM 2014-06 (used as basis for the draft plan)
- Process
- How the plan is structured
- Species (stock) focus vs fishery focus
- Draft work plan under CMM 2014-06

NEED

CMM 2014-06 to develop and implement a harvest strategy approach for key fisheries and stocks in the WCPO

Paragraph 13

- *The Commission shall agree a workplan and indicative timeframes to adopt or refine harvest strategies for skipjack, bigeye, yellowfin, South Pacific albacore, Pacific bluefin and northern albacore tuna by no later than the twelfth meeting of the Commission in 2015.*
- *This workplan will be subject to review in 2017.*
- *The Commission may agree timeframes to adopt harvest strategies for other fisheries or stocks.*

This draft plan covers skipjack, bigeye, yellowfin and South Pacific albacore. It is anticipated that the Northern Committee will be responsible for Pacific bluefin and NP albacore.

Elements of a harvest strategy (CMM 2014-16)

Paragraph 7

- a. Defined **operational objectives**, including timeframes, for the fishery or stock ('management objectives')
- b. Target and limit **reference points** for each stock ('reference points')
- c. Acceptable **levels of risk** of not breaching limit reference points ('acceptable levels of risk')
- d. A **monitoring** strategy using best available information to assess performance against reference points ('monitoring strategy')
- e. **Decision rules** that aim to achieve the target reference point and aim to avoid the limit reference point ('harvest control rules'), and
- f. An **evaluation of the performance** of the proposed harvest control rules against management objectives, including risk assessment ('management strategy evaluation').

Stock focus vs fishery focus

- a. Workplan designed to allow for both stock and fishery specific decisions.

- a. Limit reference points, target reference points, acceptable levels of risk developed for each stock.

- a. Harvest control rules?

Draft plan (1)

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2015	<p>Record management objectives for the fishery or stock (a).</p> <p>Agree Target Reference Point (b).</p> <p>Agree acceptable levels of risk (c).</p> <ul style="list-style-type: none"> • SC provide advice on implications of a range of Target Reference Points for south Pacific albacore. • Commission record management objectives for south Pacific albacore noting advice provided by the SC on a range of target reference points • Commission agree to acceptable levels of risk for breaching Limit Reference Point for south pacific albacore. • Commission agree a Target Reference Point for south pacific albacore. 	<p>Record management objectives for the fishery or stock (a).</p> <p>Agree Target Reference Point (b).</p> <p>Agree acceptable levels of risk (c).</p> <ul style="list-style-type: none"> • Commission record management objectives for skipjack noting advice provided by the SC on a range of target reference points • Commission agree to acceptable levels of risk for breaching Limit Reference Point for skipjack. • Commission agree to a Target Reference Point for skipjack. 	<ul style="list-style-type: none"> • Commission task SC to determine a biologically reasonable timeframe for rebuilding bigeye tuna to [or above] its limit reference point 	<p>Agree acceptable levels of risk (c).</p> <ul style="list-style-type: none"> • Commission agree to acceptable levels of risk for breaching Limit Reference Point for yellowfin tuna.

Draft plan (2)

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2016	<p>Agree monitoring strategy (d).</p> <p>Develop harvest control rules (e).</p> <p>Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on a monitoring strategy to assess performance against reference points. • SC provide advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission agree to a monitoring strategy to assess performance against reference points. • Commission agree performance indicators to evaluate harvest control rules 	<p>Agree monitoring strategy (d).</p> <p>Develop harvest control rules (e).</p> <p>Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on a monitoring strategy to assess performance against reference points. • SC provide advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission agree to a monitoring strategy to assess performance against reference points. • Commission agree performance indicators to evaluate harvest control rules 	<p>Record management objectives for the fishery or stock (a).</p> <p>Agree acceptable levels of risk (c).</p> <ul style="list-style-type: none"> • Commission agree timeframes to rebuild stock to limit reference point. • Commission agree acceptable levels of risk for breaching Limit Reference Point for bigeye tuna. • Commission record management objectives for bigeye and ask SC for advice on a range of target reference points. 	<p>Record management objectives for the fishery or stock (a).</p> <ul style="list-style-type: none"> • Commission record management objectives for yellowfin and ask SC for advice on a range of target reference points.

Draft plan (3)

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2017	<p>Develop harvest control rules (e). Management strategy evaluation (f).</p> <ul style="list-style-type: none"> • SC provide advice on candidate harvest control rules based on agreed reference points. • Commission consider advice on progress towards harvest control rules. 	<p>Develop harvest control rules (e). Management strategy evaluation (f).</p> <ul style="list-style-type: none"> • SC provide advice on candidate harvest control rules based on agreed reference points. • Commission consider advice on progress towards harvest control rules. 	<p>Agree Target Reference Point (b).</p> <ul style="list-style-type: none"> • SC provide advice on a range of Target Reference Points for bigeye. • Commission agree a Target Reference Point for bigeye. 	<p>Agree Target Reference Point (b).</p> <ul style="list-style-type: none"> • SC provide advice on a range of Target Reference Points for yellowfin. • Commission agree a Target Reference Point for yellowfin.

Draft plan (4)

	South Pacific Albacore	Skipjack	Bigeye	Yellowfin
2018	<p>Develop harvest control rules (e)</p> <p>Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. 	<p>Develop harvest control rules (e)</p> <p>Management strategy evaluation (f)</p> <ul style="list-style-type: none"> • SC provide advice on performance of candidate harvest control rules. • TCC consider the implications of candidate harvest control rules. • Commission consider advice on progress towards harvest control rules. 	<p>Agree monitoring strategy (d).</p> <p>Develop harvest control rules (e).</p> <p>Management strategy evaluation (f).</p> <ul style="list-style-type: none"> • SC provide advice on a monitoring strategy to assess performance against reference points. • SC provide advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission agree to a monitoring strategy to assess performance against reference points. • Commission agree performance indicators to evaluate harvest control rules 	<p>Agree monitoring strategy (d).</p> <p>Develop harvest control rules (e).</p> <p>Management strategy evaluation (f).</p> <ul style="list-style-type: none"> • SC provide advice on a monitoring strategy to assess performance against reference points. • SC provide advice on a range of performance indicators to evaluate performance of harvest control rules. • Commission agree to a monitoring strategy to assess performance against reference points. • Commission agree performance indicators to evaluate harvest control rules

Matur suksma

(thankyou)

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