

#### Draft Conservation and Management Measure

On Establishing a Harvest Strategy for Key Tuna Species in the Western and Central Pacific Ocean

#### **Trent Timmiss**





## **Objectives and Principles**

#### The draft CMM:

- seeks to establish a process to develop and implement a management framework based on a harvest strategy approach for each fishery under the purview of the Commission
- The aim of the CMM is to ensure the Commission has a structured, evidencebased decision making process informed by scientific assessment outcomes.



Protecting our fishing future

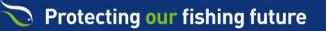
## Harvest Strategy elements- Management Objectives

#### **Existing work**

- Two workshops
- Reports to the Commission
- Lists of possible objectives

#### **Further work**

- Further workshops (including background analysis)
- Operational objectives



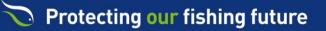
## Harvest Strategy Elements – Performance Indicators

#### **Existing work**

- MSY indicators for both biomass and fishing mortality already used (eg Kobe plots)
- Discussion of CPUE indicators for South Pacific Albacore

#### **Future work**

- SC to recommend appropriate indicators of management performance



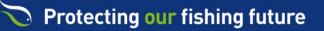
## Harvest Strategy Elements – Reference Points

#### **Existing work**

- Commission agreed limit reference points for 4 species
- Proposed target reference point for Skipjack Tuna

#### **Proposed Work**

- SC to propose appropriate reference points for each fishery
- WCPFC to agree



## Harvest Strategy Elements – Acceptable Levels of Risk

#### **Existing work**

- Agreed level of risk for 4 limit reference points

#### **Proposed work**

- SC to recommend appropriate options for appropriate levels of risk
- WCPFC to make a decision on levels of risk



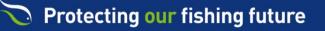
# Harvest Strategy Elements – Monitoring Strategy

### **Existing monitoring components**

- VMS
- Catch and effort data
- Observer programs
- Port monitoring
- Tagging
- Stock assessments by Science Provider

#### **Proposed work**

Develop strategy to ensure reporting against RPs



## Harvest Strategy Elements – Harvest Control Rules

#### **Existing work**

- No formal harvest control rules adopted

#### **Proposed work**

 Development and agreement on harvest control rules designed to meet management objectives



## Harvest Strategy Elements – Management Strategy Evaluation

#### **Existing work**

- Some projections of implications of current management by Scientific Provider

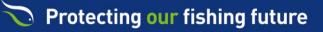
#### **Proposed work**

- Formal evaluation of proposed strategies to ensure they will meet objectives



## Indicative Timeline Example – South Pacific Albacore

2014	
	WCPFC11: Adoption of this CMM (Commission)
2015	
	WCPFC12 : Agreement on management objectives
<b>2016</b>	
	SC12: Identification and testing of candidate reference points and preparation of progress report at SC
	WCPFC13: Consider progress report from SC and identify possible harvest control rules
2017	
	SC13: Management strategy evaluation addressing implications of various targets and/or strategies
	WCPFC14: Adoption of harvest strategy



### **The Way Forward**

- Agreement by the Commission to develop and formally implement a management framework based on a harvest strategy approach
- How and where should the Commission be undertaking this work (e.g. MOWs, technical working groups)?
- When should the work be undertaken?
- Who can assist in funding and delivering this work?
- How are priorities for the workplan decided?



## **Any Questions?**



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