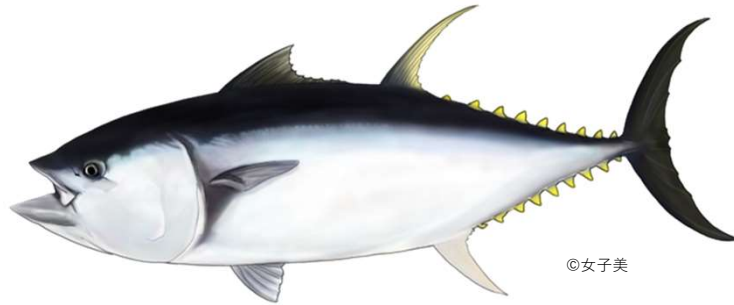


Management Requests- The Need for an MSE



Shuya Nakatsuka, Ph.D.

National Research Institute of Far Seas Fisheries

2018.05.30 @ISC PBF MSE Workshop

WCPFC Harvest Strategy on PBF (2017-02)

- Adopted by WCPFC in 2017.
- Developed by WCPFC NC-IATTC Joint WG.

→ Constitute the basis of ocean wide management of PBF.



COMMISSION
FOURTEENTH REGULAR SESSION
Manila, Philippines
3 – 7 December 2017

HARVEST STRATEGY FOR PACIFIC BLUEFIN TUNA FISHERIES

Harvest Strategy 2017-02

Introduction and scope

This harvest strategy has been prepared in accordance with the Commission's Conservation and Management Measure on Establishing a Harvest Strategy for Key Fisheries and Stocks in the Western and Central Pacific Ocean.

Although the provisions of this harvest strategy are expressed in terms of a single stock, they may be applied to multiple stocks as appropriate and as determined by the Northern Committee.

1. Management objectives

The management objectives are, first, to support thriving Pacific bluefin tuna fisheries across the Pacific Ocean while recognizing that the management objectives of the WCPFC are to maintain or restore the stock at levels capable of producing maximum sustainable yield, second, to maintain an equitable balance of fishing privileges among CCMs and, third, to seek cooperation with IATTC to find an equitable balance between the fisheries in the western and central Pacific Ocean (WCPO) and those in the eastern Pacific Ocean (EPO).

2. Reference points

WCPFC Harvest Strategy on PBF (2017-02)

Contains

1. Management objectives
2. Reference points
3. Acceptable level of risk
4. Monitoring strategy
5. Decision rules
6. Performance evaluation

➔ **talks about MSE**



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2. Reference points

WCPFC Harvest Strategy on PBF (2017-02)

6. Performance Evaluation

- Until the stock is rebuilt, the Northern Committee will work with the ISC and the Scientific Committee and consult with the IATTC to identify and evaluate the performance of candidate rebuilding strategies with respect to the rebuilding targets, schedules, and probabilities.
- The ISC is requested to start the work to develop a management strategy evaluation (MSE) for Pacific bluefin tuna fisheries in 2019 and have a goal of completing it by 2024.

WCPFC Harvest Strategy on PBF (2017-02)

6. Performance Evaluation (cont.)

- The Joint WG will start to discuss in 2018, and aim to finalize no later than 2019, guidelines for the MSE, including at least one candidate long-term target reference point (TRP), two candidate limit reference points (LRPs) and candidate harvest control rules (HCRs), which will be provided to the ISC. Those candidate TRPs, LRPs and HCRs will be tested and changed if appropriate during the MSE development process.

WCPFC Harvest Strategy on PBF (2017-02)

6. Performance Evaluation (cont.)

- In preparation for the Joint WG meeting in 2019, the ISC is requested to organize workshops in early 2018 and 2019 to support the identification of specific management objectives, including level of risks and timelines.

WCPFC Harvest Strategy on PBF (2017-02)

6. Performance Evaluation (in summary)

For ISC,

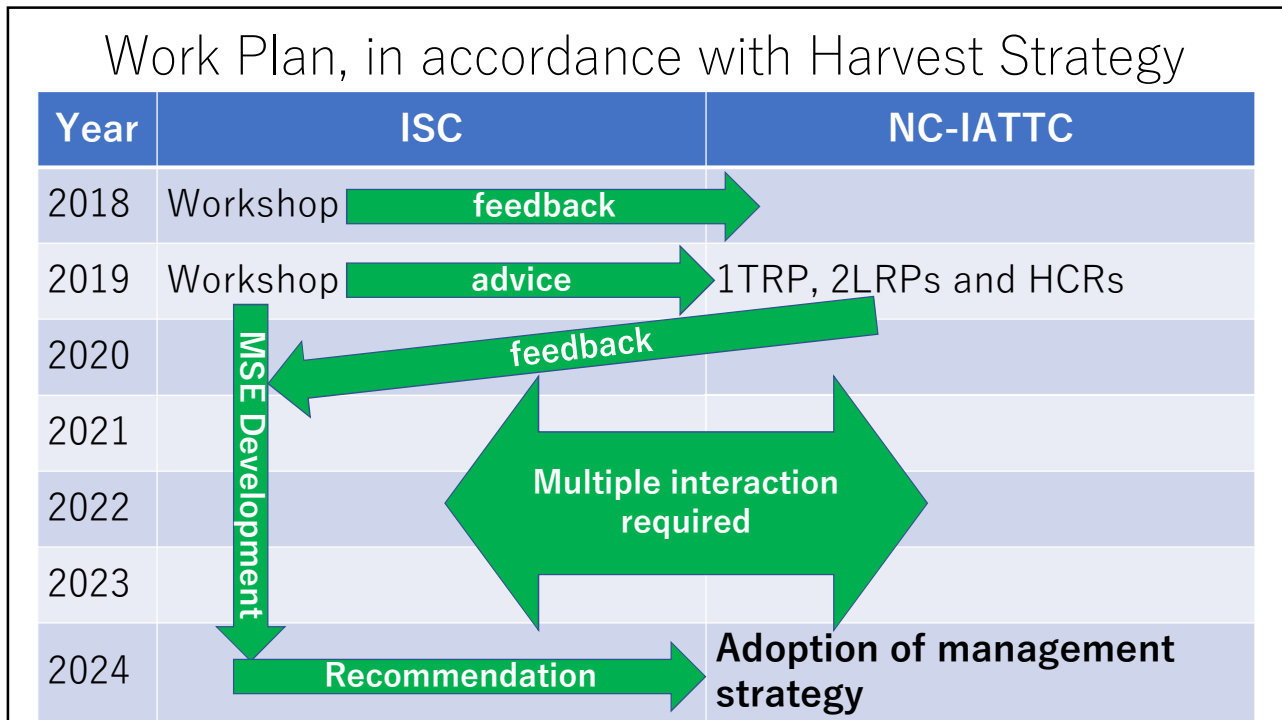
- Start to develop MSE in 2019 and have a goal of completing it by 2024.
- Be requested to organize workshops in early 2018 and 2019 to support the identification of specific management objectives, including level of risks and timelines.

WCPFC Harvest Strategy on PBF (2017-02)

6. Performance Evaluation (in summary)

For NC (including the Joint NC-IATTC WG),

- Work with other organizations to identify and evaluate the performance of candidate rebuilding strategies (part of MSE or not?).
- Start to discuss in 2018, and aim to finalize no later than 2019, guidelines for the MSE, including at least one candidate long-term target reference point (TRP), two candidate limit reference points (LRPs) and candidate harvest control rules (HCRs).



WCPFC Harvest Strategy on PBF (2017-02)

It also says,

- The NC will develop more refined management objectives as well as limit reference point(s) and target reference point(s) through MSE process (2.2).
- ISC is encouraged to identify at least two experts and NC members are encouraged to provide additional funds for the ISC's work on the MSE (6).
- Other parts provide some guidance about MSE.

WCPFC Harvest Strategy on PBF (2017-02)

- This Workshop is held in response to the Harvest Strategy.
- WCPFC Harvest Strategy is the only guidance ISC has for conducting MSE.
- Some points of the Harvest Strategy need to be clarified. As MSE is a complex process, good communication between WCPFC/IATTC and ISC needs to be ensured.
- Please read the Harvest Strategy carefully, so that the intention of WCPFC/IATTC is clearly understood by ISC.

Thank you.