

Comisión Interamericana del Atún Tropical
Inter-American Tropical Tuna Commission



Next Steps and Timeline for the MSE Process

1st IATTC Tropical Tuna MSE Workshop, San Diego, California (USA), December 9-10 2019

Management Strategy Evaluation Steps

- Define objectives and performance metrics
- Develop candidate management strategies, harvest control rules, etc.
- Implement operating models and condition them to historical data
- Simulation and evaluation of candidate management strategies
- Select a management strategy
- Consider implementing the management strategy

PROCESS NOT LINEAR!!!
ITERATIVE!!!

Effective Communication is essential

- **Several audiences:**

- Scientists ↔ Commissioners (Objectives, preliminary results)
- Scientists ↔ General public (Industry, NGOs, etc)
- Commissioners ↔ NGO, Industry, other stakeholders (national level)
- Scientists ↔ Scientists (technical support, communication support)

- **Communication mechanisms:**

- Dialogues and "spaces"/ Intermediate groups (formal or informal)
- Presentation of results in a standard and clear way

Chronogram of Workshops related to MSE in the EPO

Management Strategies (Funded by WWF, FAO/ABNJ)

- Panamá, February 2015
- San Diego, USA, August 2018

Introduction to MSE to EPO Tuna Industry (Funded by WWF, FAO/ABNJ)

- Manta, Ecuador. June 13, 2019.
- Panamá City, Panamá. June 18, 2019.
- San Diego, USA, August 12, 2019
- México City, México, August 14 2019.
- Colombia. September 19, 2019.

Workshops for scientists-managers to elicit alternative objectives, performance metrics, harvest control rules (Funded by IATTC)

- San Diego, December 9-10, 2019.
- San Diego, just before SAC, 2020.

Species focus, Timeline

Initial MSE work focus on bigeye tuna, and will move to the other species towards the end of the current work plan.

Expected Timeline and Deliverables:

2018: Improved bigeye assessment for use as spatial operating model (OM).

Workshop on training, communication and evaluation of management strategies.

2019: SAC-10: Report improvements to BET model for its use as OM.

Introductory harvest strategies workshops for the Industry

Workshops for scientists-managers to elicit objectives, performance metrics, alternative HCRs (Asia, Americas)

2020: Workshops with managers / stakeholders to show initial results and gather feedback, Technical workshop

SAC-11: Report on revised MSE plan and preliminary results based on outcomes of workshops

2021: Updated MSE results based on input from managers and stakeholders

SAC-12: Report on revised MSE plan and preliminary results based on outcomes of workshops

2022: Final MSE results based on revised input from managers and stakeholders

SAC-13: Report on revised MSE plan and preliminary results based on outcomes of workshops

2023: SAC-14: Report final results, present plan for other tropical tunas

IATTC annual meeting: Recommend evaluated HCR/management procedure for bigeye for adoption;



Species focus, Timeline (**revised**)

Initial MSE work focus on bigeye tuna, and will move to the other species towards the end of the current work plan.

Expected Timeline and Deliverables:

2018: Improved bigeye assessment for use as spatial operating model (OM).

Workshop on training, communication and evaluation of management strategies (**San Diego**).

2019: SAC-10: Report improvements to BET model for its use as OM.

Introductory harvest strategies workshops for the Industry (**Ecuador, Panama, USA, Mexico, Colombia**)

Workshops for scientists-managers to elicit objectives, performance metrics (**USA**)

2020: Workshops for scientists-managers to alternative HCRs (**USA, tentatively right before SAC**)

SAC-11: Report on revised MSE plan and outcomes of workshops,

AM: Commission consideration of a MSE WG for scientists, managers, and other stakeholders

Workshops with managers / stakeholders to show initial results and gather feedback, Technical meeting

2021: Updated MSE results based on input from managers and stakeholders

SAC-12: Report on revised MSE plan and preliminary results based on outcomes of workshops

2022: Final MSE results based on revised input from managers and stakeholders

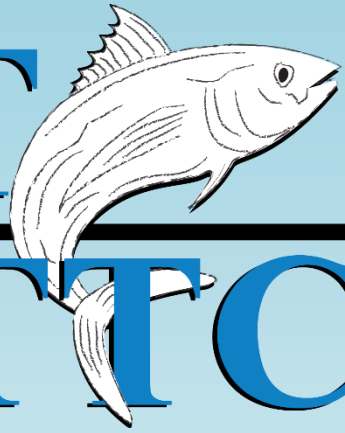
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Questions?