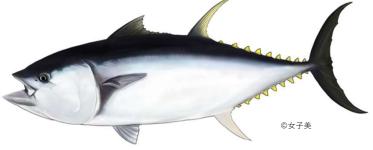
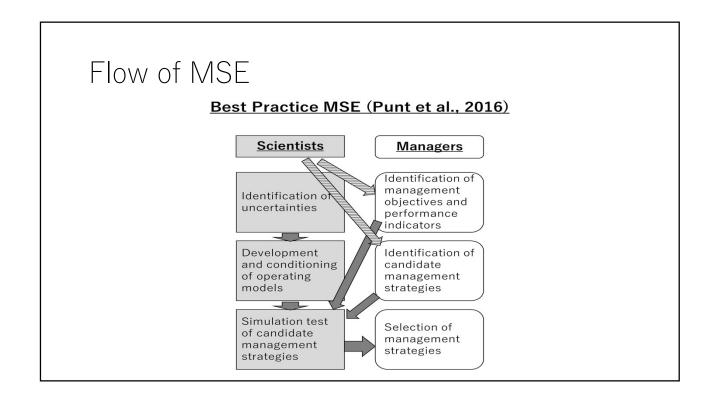
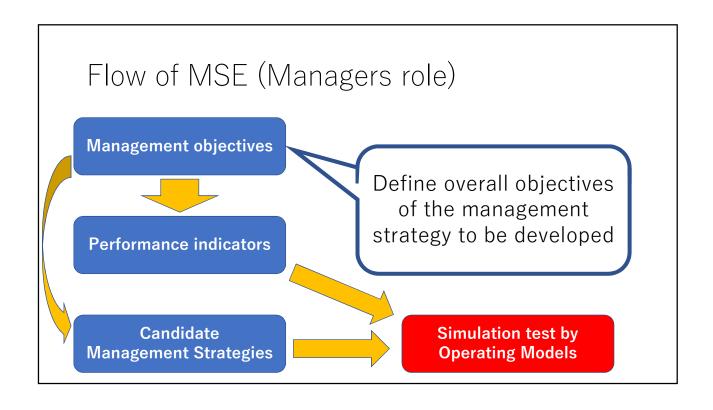
MSE Application to Pacific Bluefin Tuna: Requirements for Implementation

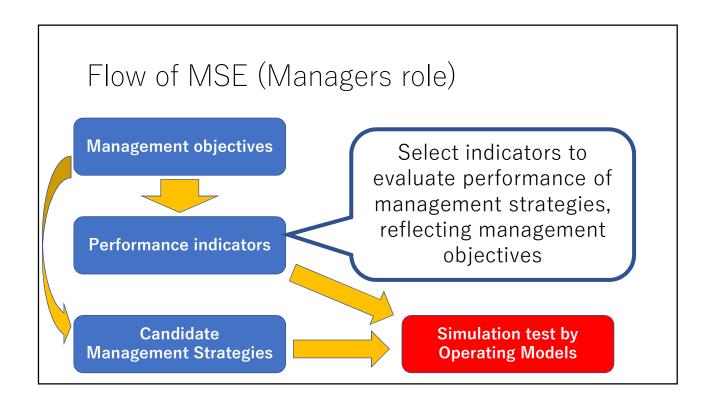


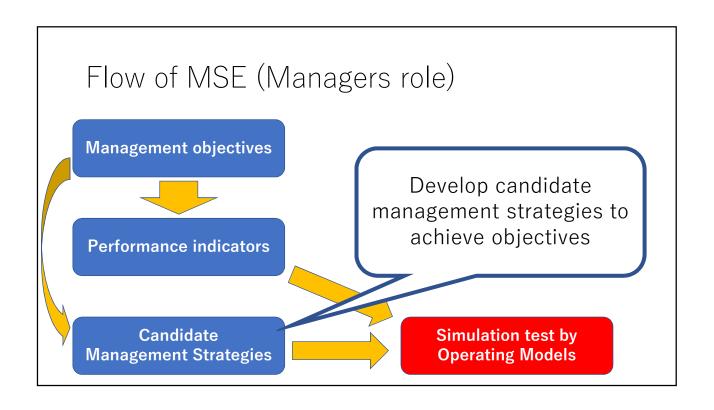
Shuya Nakatsuka, Ph.D.

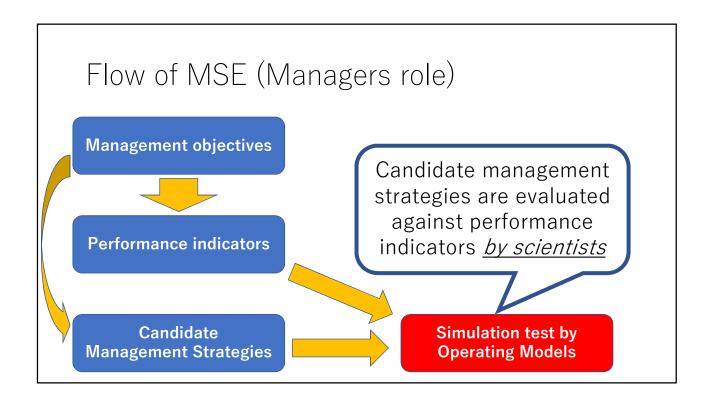
National Research Institute of Far Seas Fisheries
2019.05.20 @ISC 2nd PBFMSE Workshop

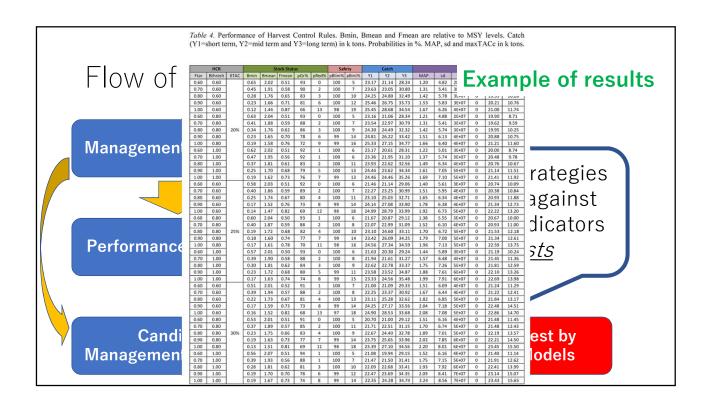


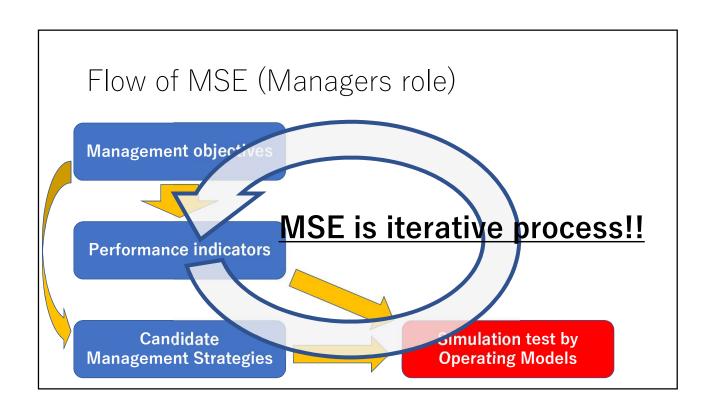












Purpose of this Workshop

- WCPFC and IATTC requested ISC to start MSE of Pacific bluefin tuna in 2019 and complete it by 2024.
- In order to conduct MSE, certain inputs and decisions by managers and stakeholders are necessary.
- The purpose of this workshop is **to continue** discussions on those elements.
- The discussion will continue as MSE goes on.

Something to note

- Management measures are already in place to achieve rebuilding targets based on the results of stock assessment.
- -PBF stock is slowly recovering. 2016 recruitment is above average and 2017 and 2018 recruitment are apparently at, at least, similar level.
- Indices are monitored annually to detect "unexpected".
- Assessment is conducted (at least) once in two years.
- MSE requires additional personnel and will stretch ISC resources.

Let's move into details..

