



Comments about the MSE Process from Fishermen's Point of View

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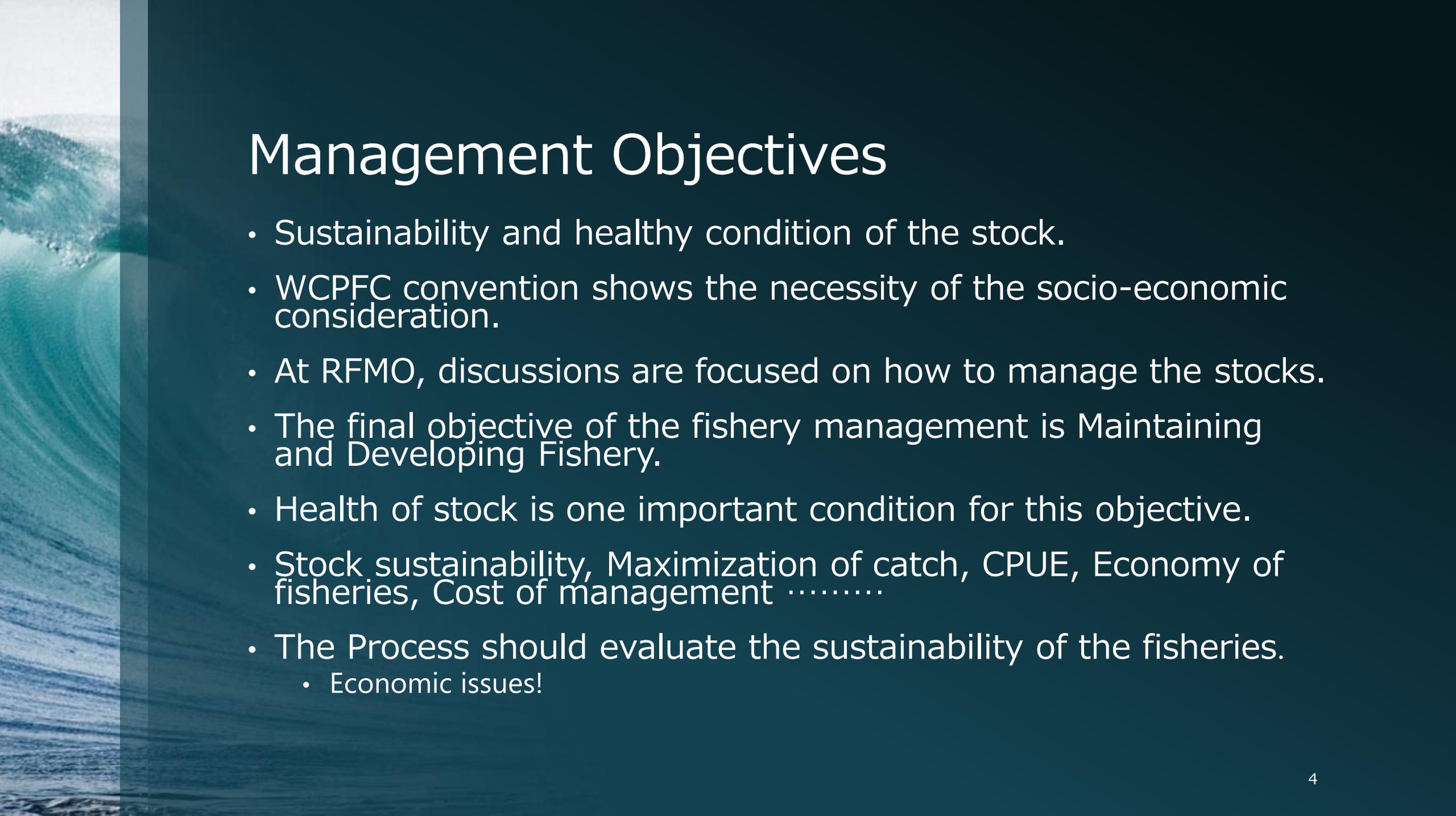
Difficult to understand

- It is difficult to understand about the MSE process.
 - Not only fisher, but also manager and scientist !!
- There is necessity to have many chances to understand
- New managements always introduced severer regulations. So, fisher does not welcome the introduction of new one in general (my personal feeling!)
- So, the explanation about the MSE process may be focused on the merit for fisher, then incentive of fisher will grow up for the introduction of the new management regime.



Discussion for each stock individually

- Northern stocks, northern albacore, Pacific bluefin and northern swordfish, are biologically very different from each other.
- Compositions of the fisheries which are exploiting those stocks are also very different from each other.
- Consideration through the MSE process for each stock should be carried out independently.
- Consideration of a particular stock will make it clearer for fisher about what is going on.



Management Objectives

- Sustainability and healthy condition of the stock.
- WCPFC convention shows the necessity of the socio-economic consideration.
- At RFMO, discussions are focused on how to manage the stocks.
- The final objective of the fishery management is Maintaining and Developing Fishery.
- Health of stock is one important condition for this objective.
- Stock sustainability, Maximization of catch, CPUE, Economy of fisheries, Cost of management
- The Process should evaluate the sustainability of the fisheries.
 - Economic issues!

Reference Points (LRP & TRP etc.)

- Limit reference Point is the biological **threshold** against undesirable condition (**recruitment overfishing?**).
- Scientists should select candidates of LRP based on biological characteristics of each stock
- Big impact on fishing operation
 - severer regulations or moratorium (depends on HCR)
- Need clear explanation of the meaning of the candidates of LRP; What happen below the LRP??
- Clear evidence about what happen below LRP
- Target RP has socio-economic feature. Wider stakeholders need to join in the consideration



OM and Uncertainty

- OM is depended on our poor knowledge about the stock.
- It is difficult to incorporate uncertainties in the model
- Uncertainties are highly uncertain!
- Arbitral part in the incorporation of uncertainty is existing.
- Manipulate the model from optimistic to pessimistic
- It is very difficult to evaluate the plausibility????
 - ICCAT BFT example……………???



Trade-off

- MSE quantify the trade-off among the objectives.
 - Rational decision making
- No objective way to reconcile ?
- Final decision will be made by political process, which is not so different from current process.
- Many discussions among stakeholders will be necessary.



Flexibility

- Fisheries change frequently due to the environmental changes as well as socio-economic changes
- Management needs to adapt those changes.
- Meta Rule of MP in CCSBT ?
- Appropriate flexibility for the management ??
 - Many discussions are necessary

Uncertainty in the MSE process

- What will happen in the MSE process for each stock?
- Which direction will we go? Too conservative? Optimistic?
- Is it possible that all stakeholders will satisfy ?
- Feedback discussion is important.

- Fisher's understanding is important for the efficient implementation of the management!
- We need more study about this process.



Thank you

