Bluefin tuna harvest strategy development. Progress to date

Reasons for switching to MSE

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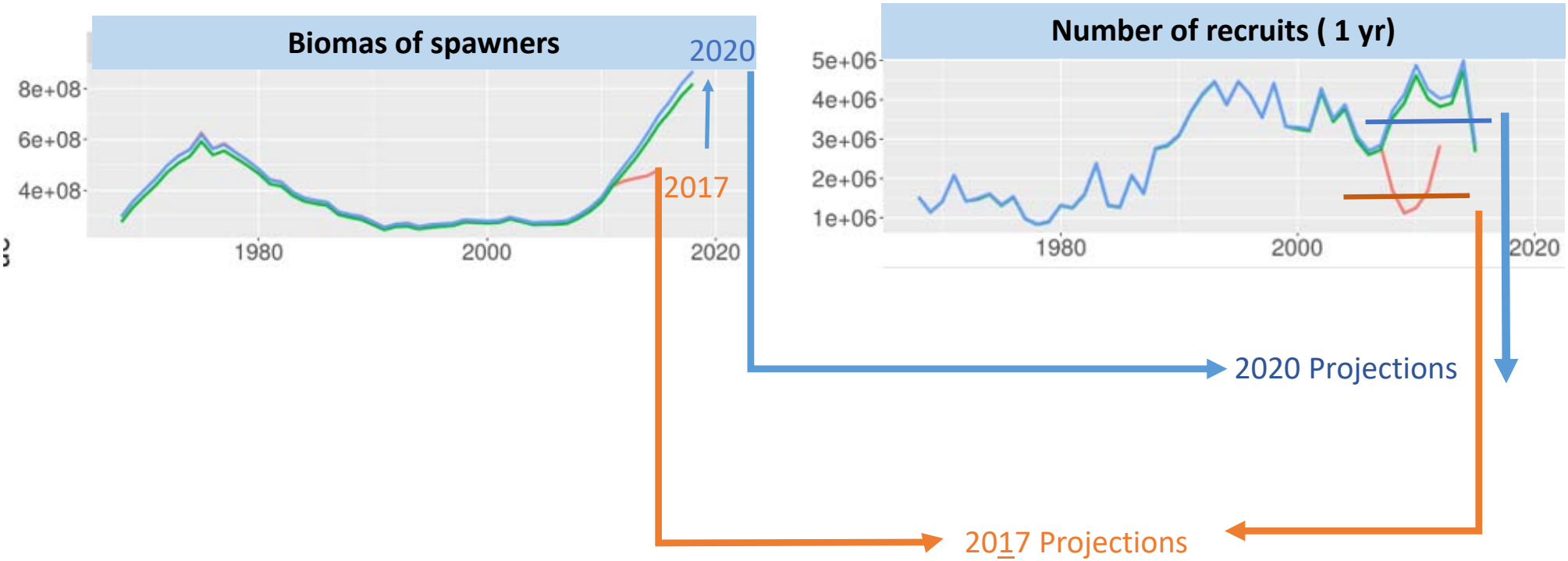
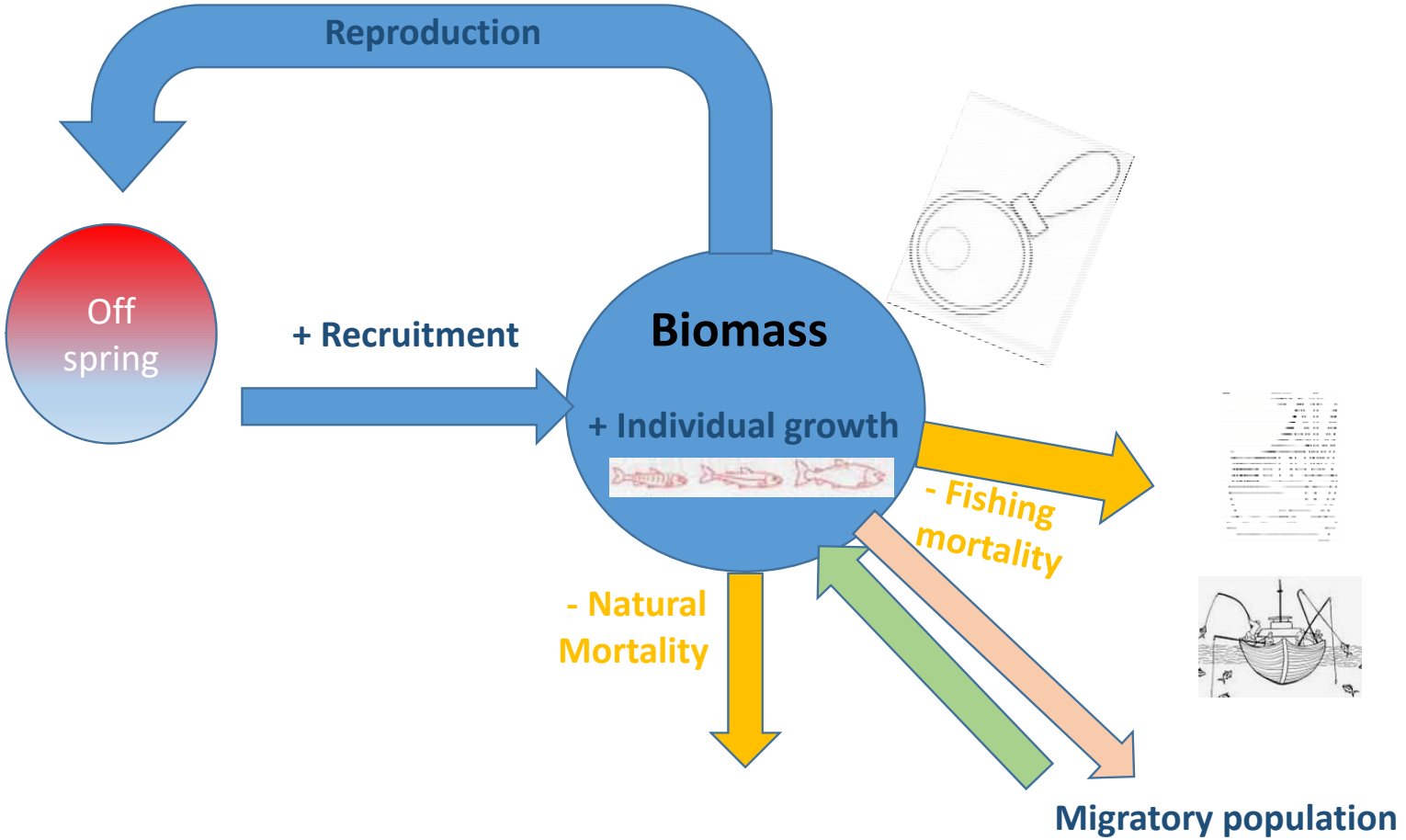
Instability of EBFT Assessment

2020 vs 2017 assessment as an example

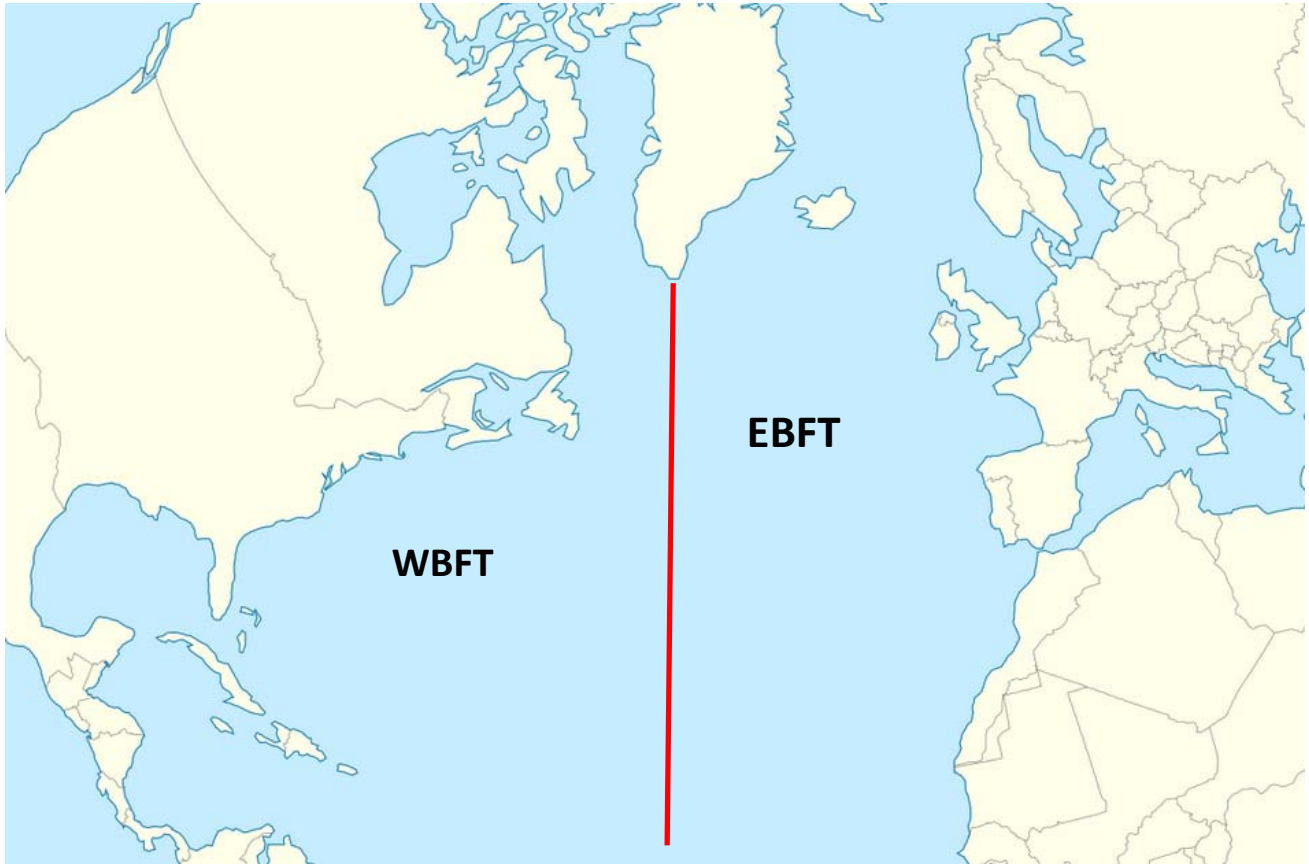


Flow in a population dynamic

The flow in an exploited population

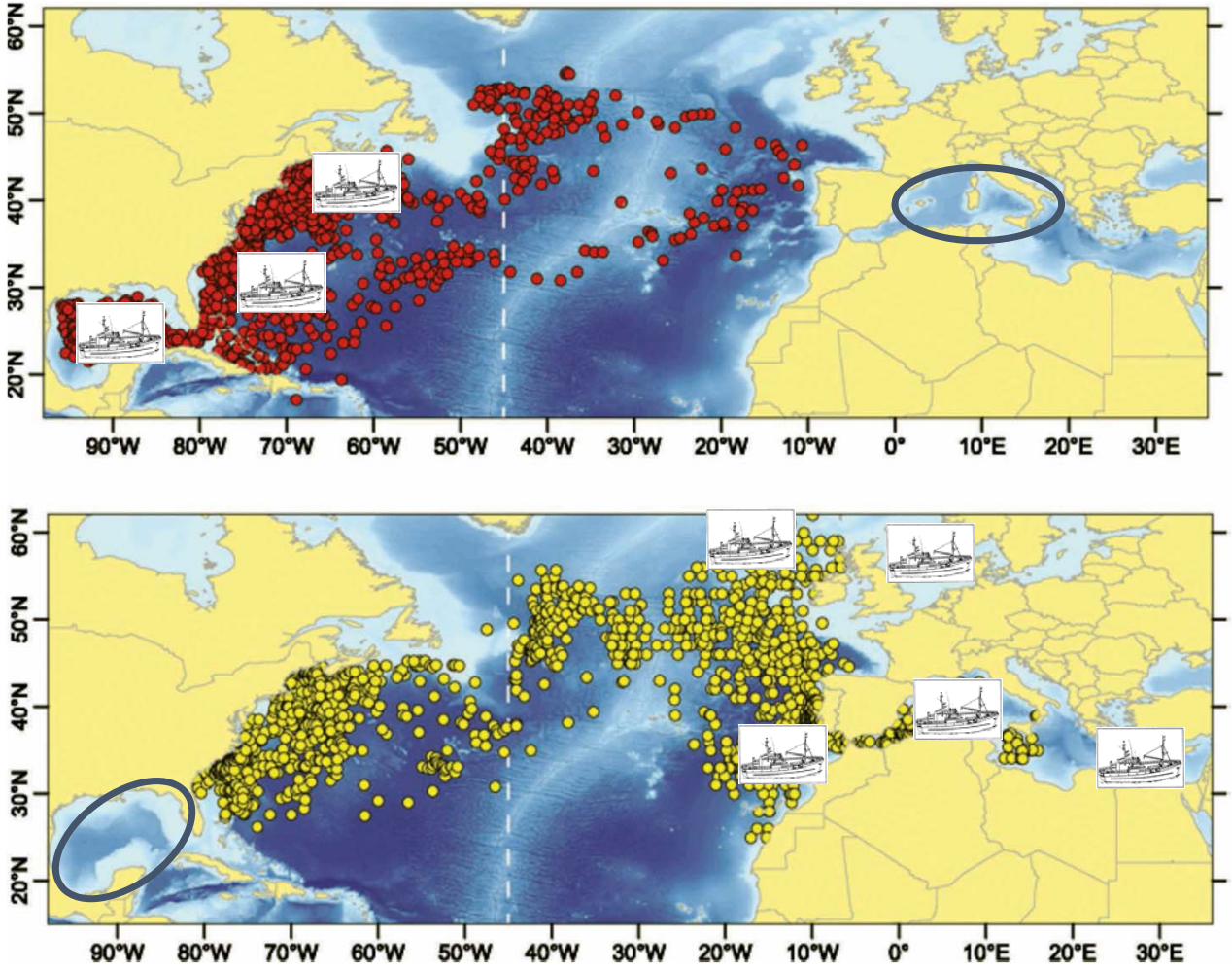


North Atlantic BFT population is managed in two areas separated at 45º W

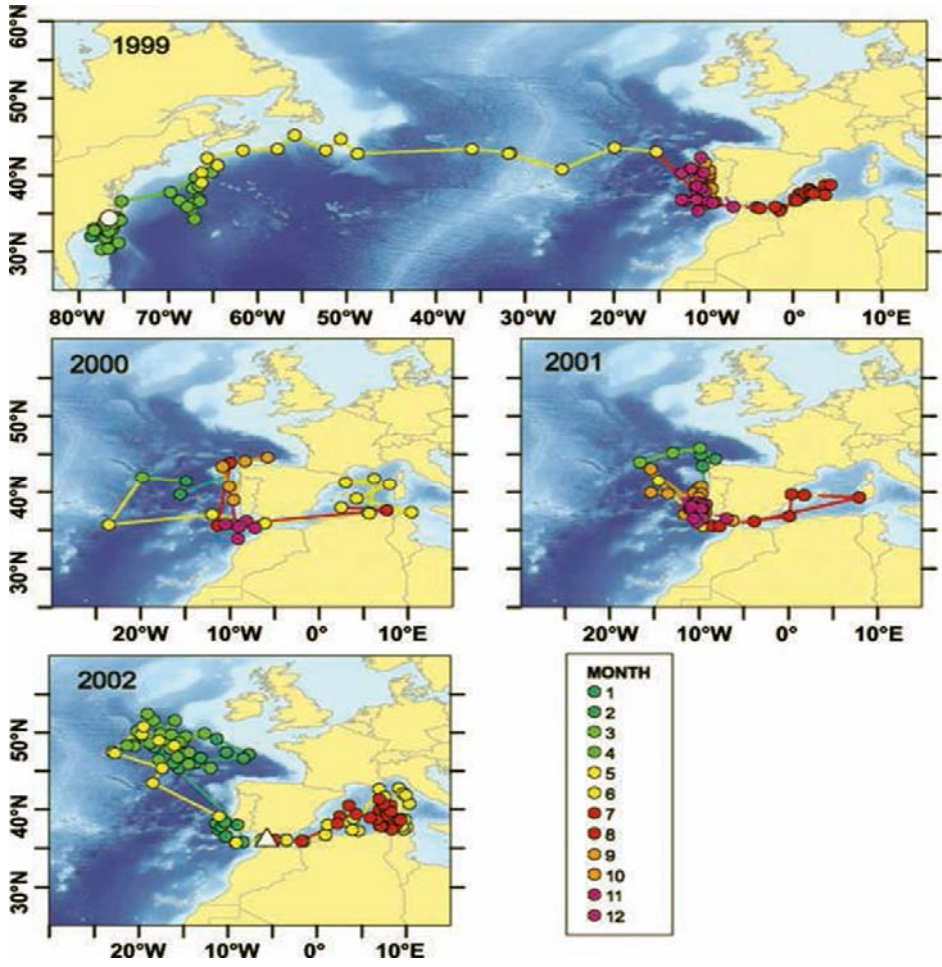


Two different populations with different spawning areas and common feeding grounds

Diversity of fleets harvesting on both populations



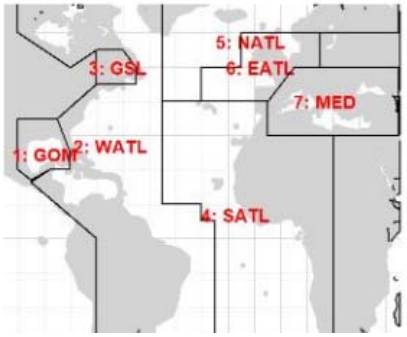
Complex migratory behavior



Modelling Complexity of ABFT populations

Model movement

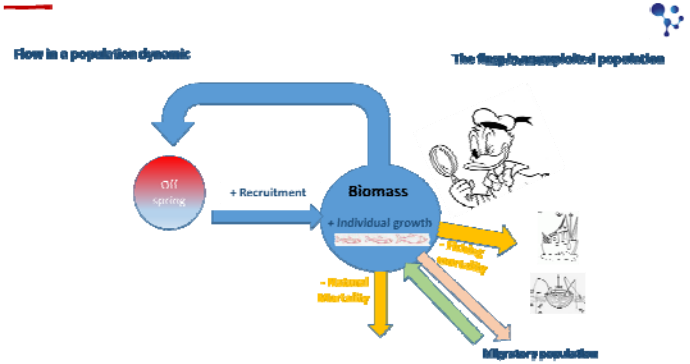
- 7 areas



- 4 Quarters
- 3 Age classes

Stocks and Fisheries dynamics

- A wide range of plausible scenarios (OMs)
- Each scenario represents a combination of values assigned to axis of uncertainty (e.g. natural mortality, recruitment, …etc.)
- OMs final grid is used to test the performance the Candidate Management Procedures (CMPs)



Thanks