

**Flowchart to guide the MP development process.**

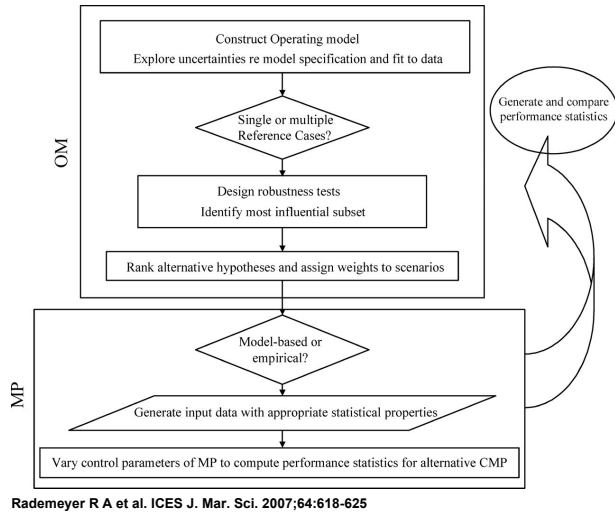


Figure 1: Conceptual framework for Management Strategy Evaluation.

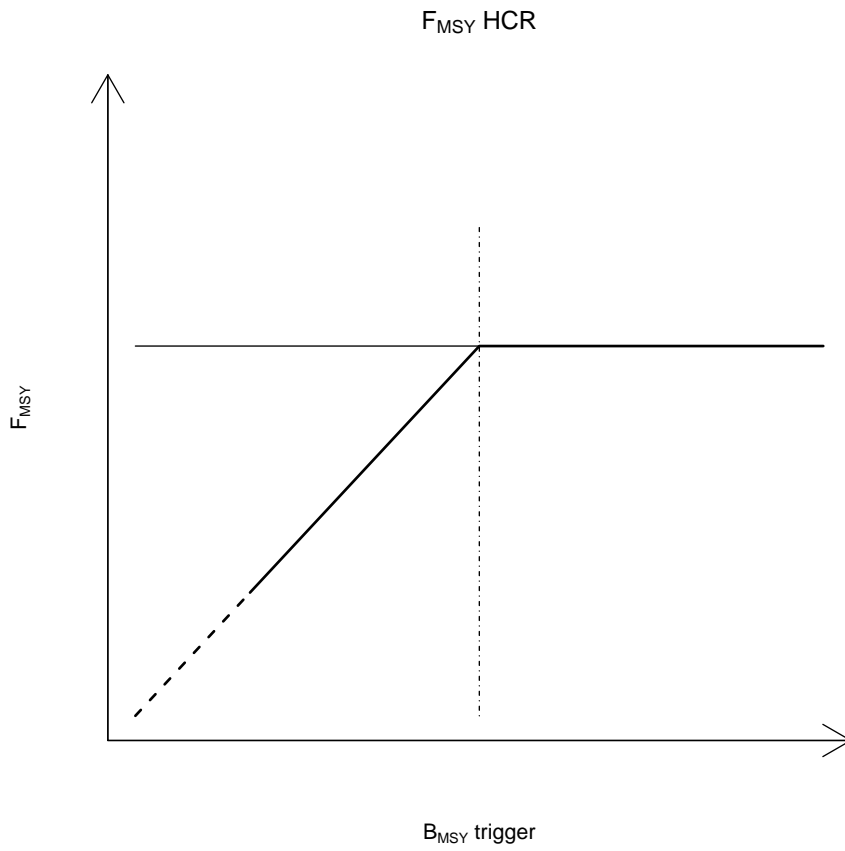


Figure 2: Harvest Control Rule.



Figure 3: *Worm plots* for MSE with a constant  $F$  target showing 2 possible trajectories (red and green) for fishing mortality, recruitment, spawning stock biomass and yield, annual medians and interquartiles (thick and thin blue lines) are also indicated.

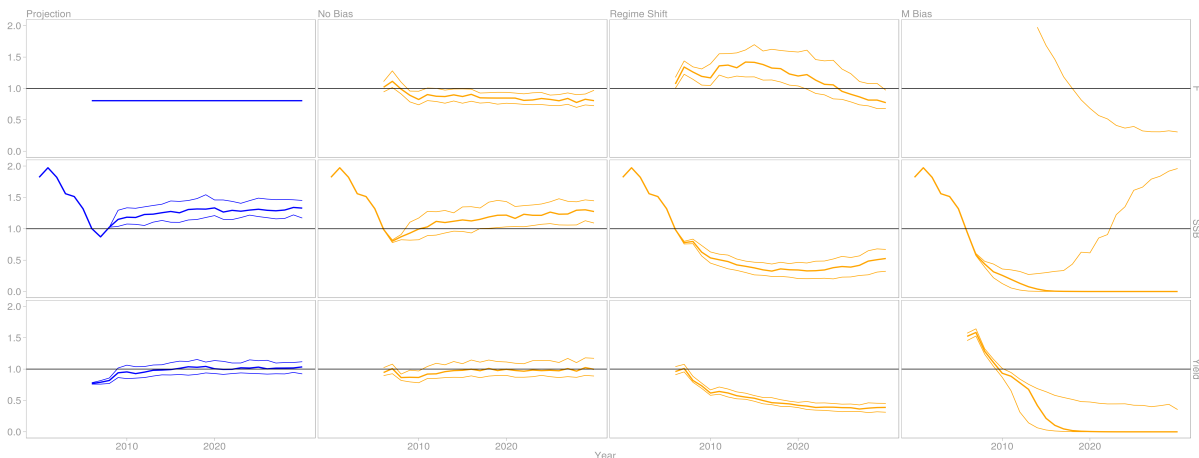


Figure 4: Results from the MSE; interquartile and median plots for fishing mortality, spawning stock biomass and yield, annual medians and interquartiles are indicated; results are presented for a constant  $F$  MSE (orange) and for a stock projection (blue)



Figure 5: Results from the MSE; interquartile and median plots for fishing mortality, spawning stock biomass and yield, annual medians and interquartiles are indicated; results are presented for a HCR with a  $B\mathcal{L}_{Trigger}$  (red) and a stock projection (blue)

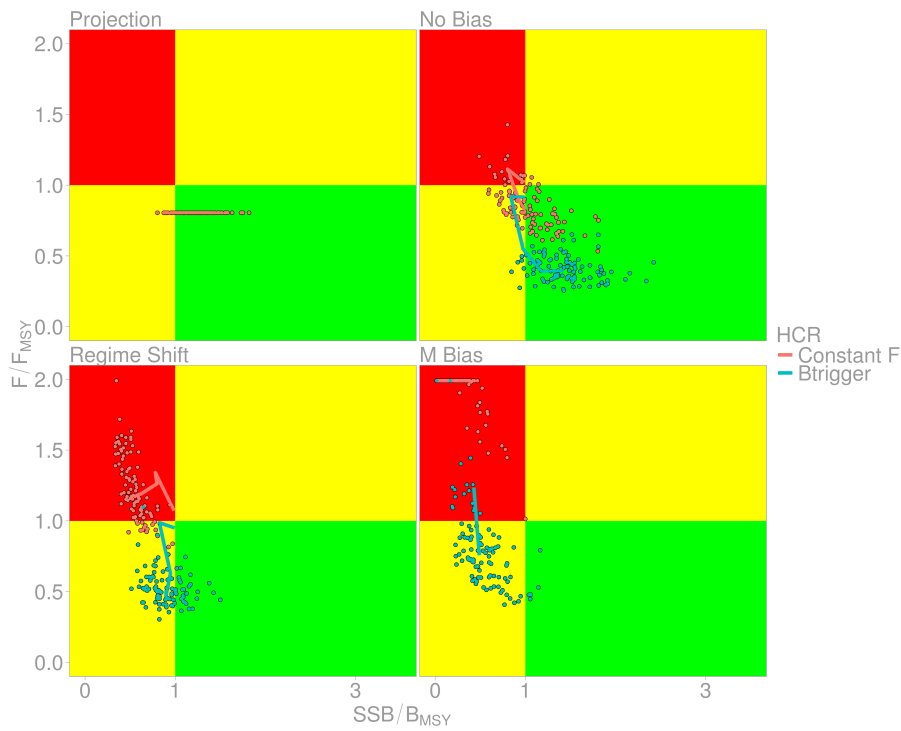


Figure 6: Kobe Strategy Matrices for stock evolution in 2010 by scenario for constant F and HCR with  $B_{Trigger}$  (pink and blue respectively)

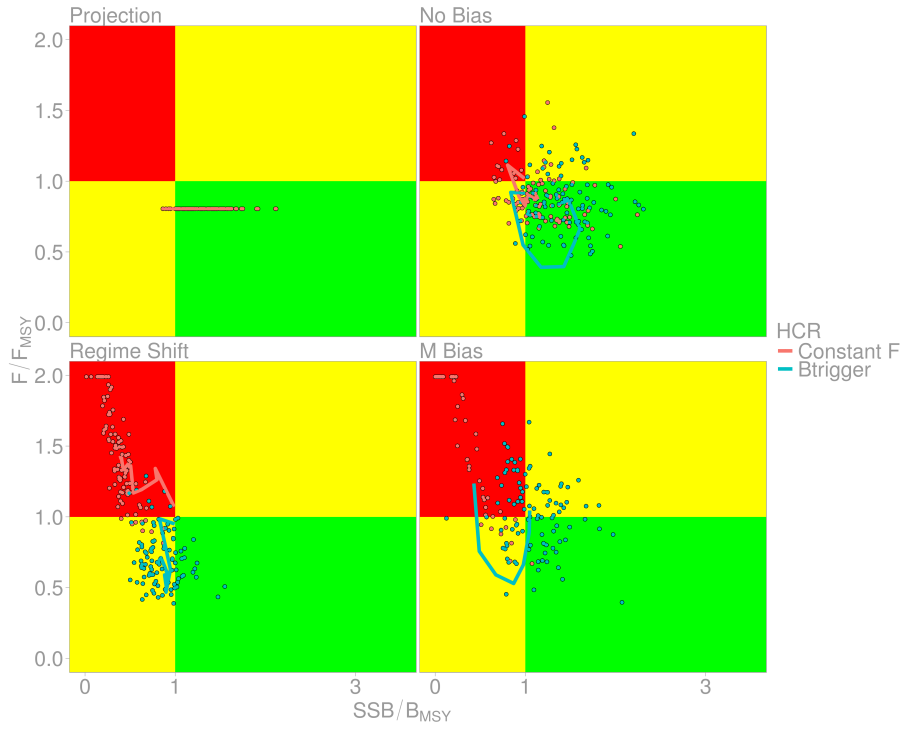


Figure 7: Kobe Strategy Matrices for stock evolution in 2015 by scenario for constant F and HCR with  $B_{Trigger}$  (pink and blue respectively)

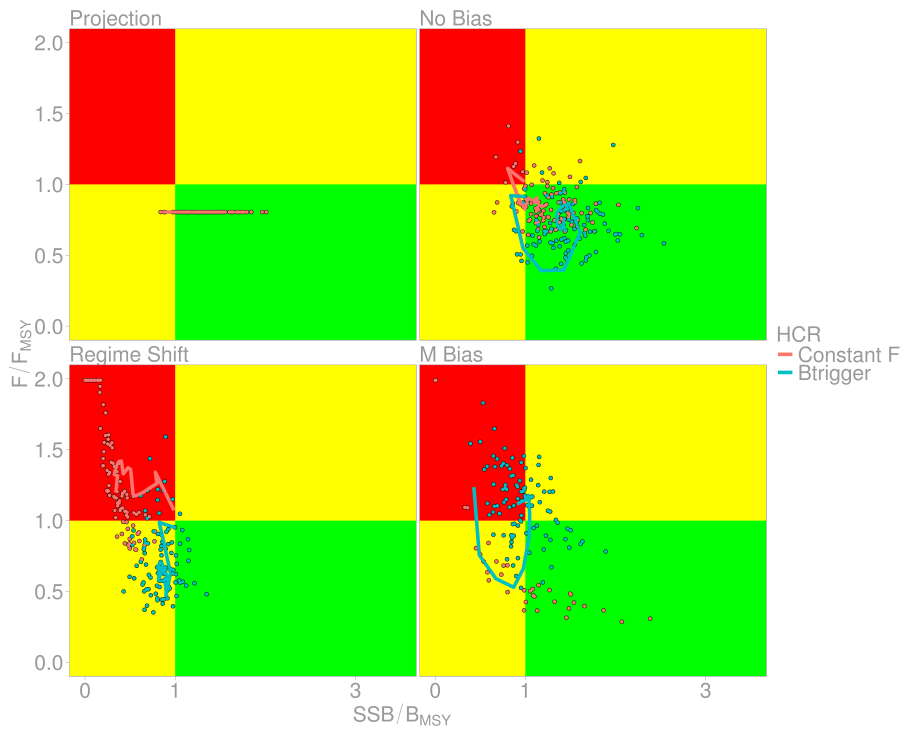


Figure 8: Kobe Strategy Matrices for stock evolution in 2020 by scenario for constant F and HCR with  $B_{Trigger}$  (pink and blue respectively)

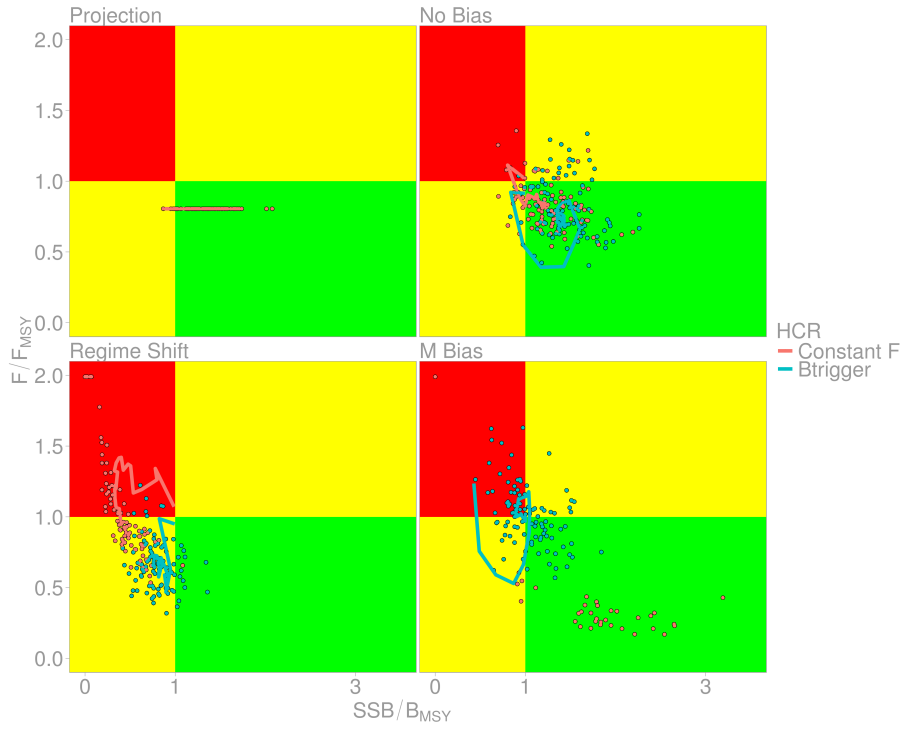


Figure 9: Kobe Strategy Matrices for stock evolution in 2025 by scenario for constant F and HCR with  $B_{Trigger}$  (pink and blue respectively)

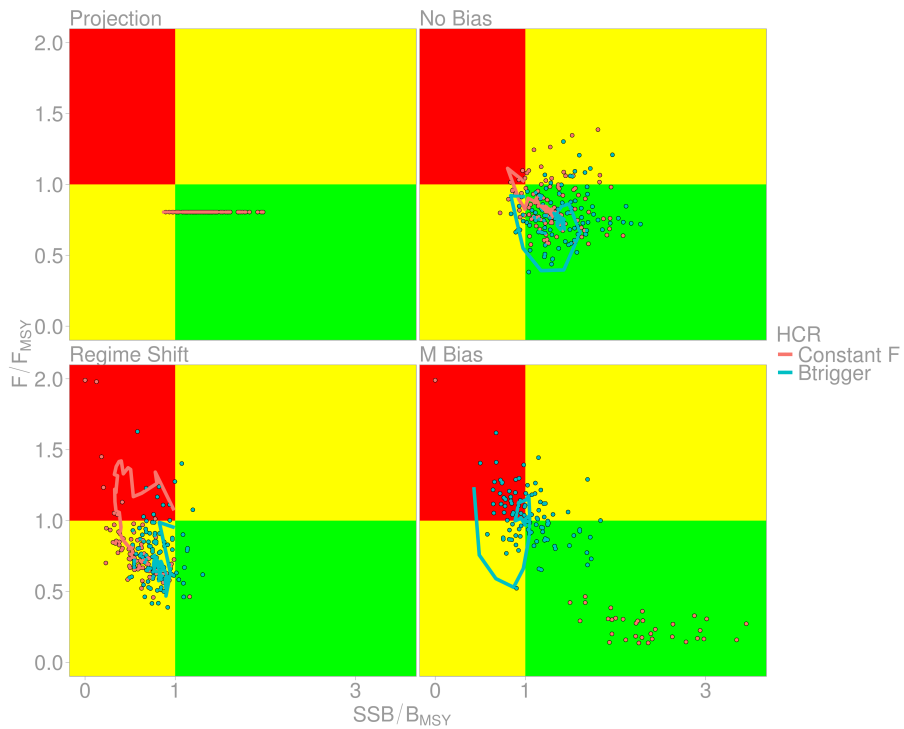


Figure 10: Kobe Strategy Matrices for stock evolution in 2030 by scenario for constant F and HCR with  $B_{Trigger}$  (pink and blue respectively)