



# BET MSE TCMP supplementary material

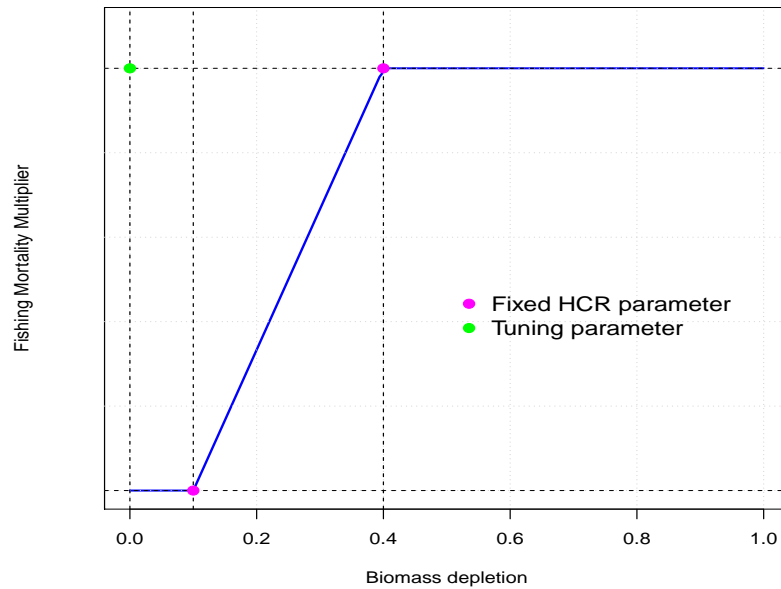
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# MP1 Harvest

- General form of MP1 Harvest HCR:

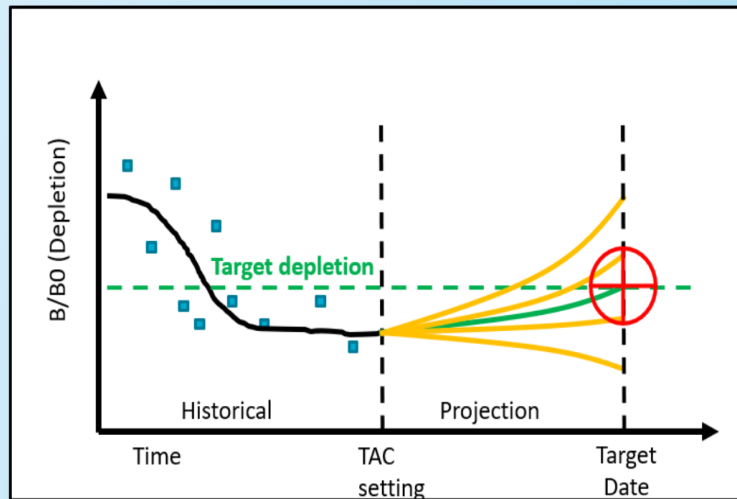


# MP2 Target

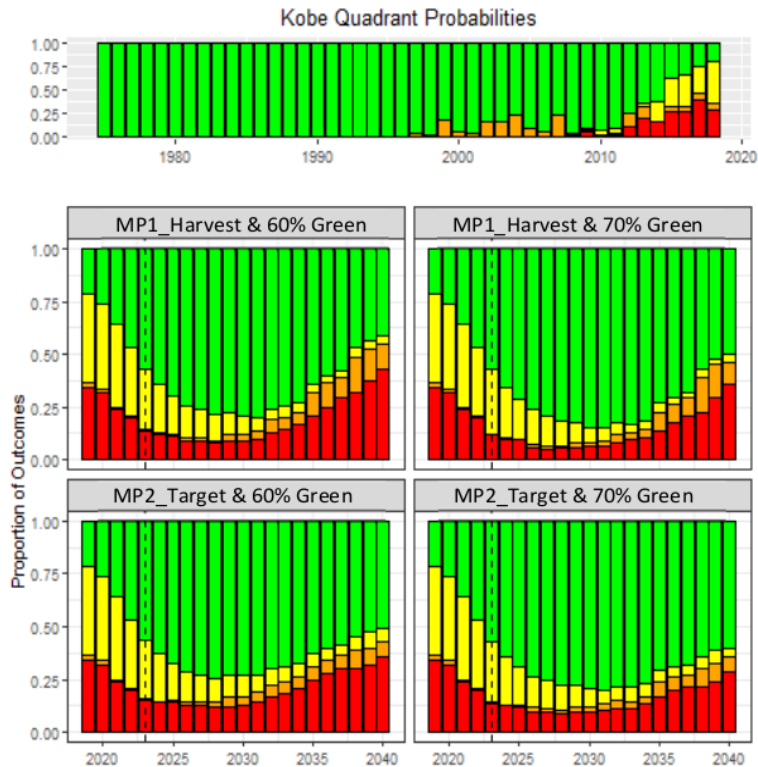
- General idea behind MP2 Target:

## PTRE-based MP with internal projection

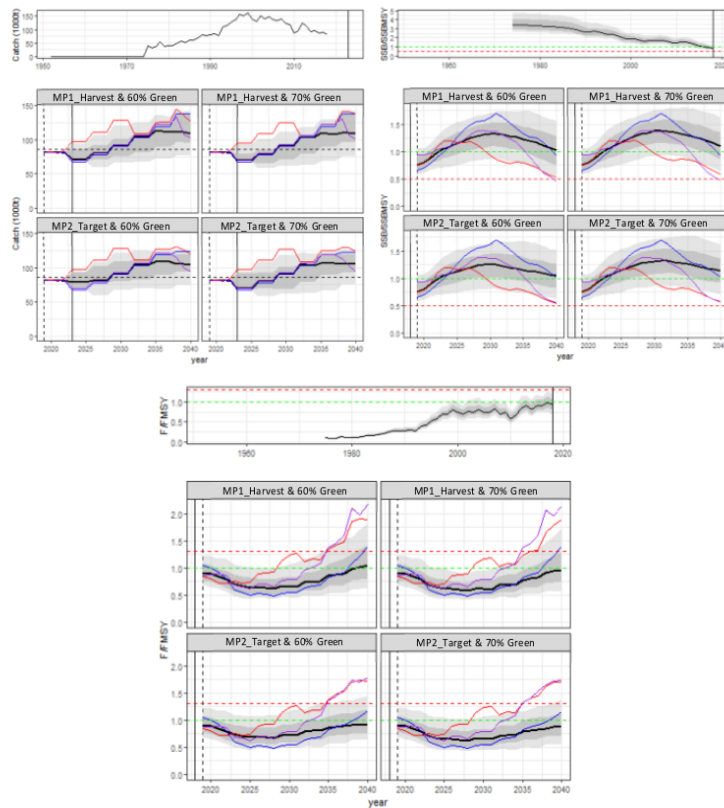
- 1) Fit PETR Model
- 2) Find constant TAC that hits target depletion at target date



# Kobe projection summary - tuned MPs



# Overall projection summary - tuned MPs



# High level summary - tuned MPs

MP	Performance Measure				
	SB/SB <sub>MSY</sub>	Prob(Green)	Prob(SB>limit)	Mean Catch (t)	Catch Variability (%)
MP1_Harvest 60% Green	1.18 (1.00-1.36)	0.63	0.97	99.3 (85.6-106.1)	5.06
MP2_Target 60% Green	1.15 (0.96-1.32)	0.63	0.97	97.7 (86.0-103.6)	4.23
MP1_Harvest 70% Green	1.24 (1.07-1.40)	0.69	0.98	96.6 (83.7-104.6)	5.08
MP2_Target 70% Green	1.21 (1.04-1.39)	0.69	0.98	95.8 (82.8-101.6)	4.28

# Thank You

## CSIRO Oceans & Atmosphere

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