

Trade-off and performance: catch/biomass

Three management procedures (MP1-MP3). Median values over 20-year projection period (2020-2040).

Best scores

MP3

SUMMARY OF RESULTS

Performance varies across the individual operating models (OMs), but overall, management procedure 3 (MP3) performs best, scoring well for all 4 performance metrics across the 12 operating models over the 20-year projection period. For almost all OMs, MP3 does not allow biomass to decline as much as the other MPs, and it also leads to the greatest stability in catches.

READING THIS CHART

Key

Management procedure

● MP1 ● MP2 ● MP3

○ Zero future catches
(largest possible recovery within projection period)

The chart **compares** performance of different candidate management procedures (MP) showing **trade-offs between actionable metrics of catch** (2 performance metrics on top) **and resulting biomass** or fish abundance (2 performance metrics on the bottom). 12 different operating models are compared.



Performance metric

C_{av}

Average annual catch over the projection period.

AAV

Average percent change in catch from year to year.

B_{final}

Biomass relative to unfished biomass at the end of the projection period.

B_{lowest}

Lowest value of projected biomass during the projection period.

