Performance Comparison

MP1-MP5. Median values over 20-year projection (2020-2040).*

Best scores
MP1
MP3   MP2

SUMMARY OF RESULTS
Management procedure 1 (MP1) performs best, scoring well for all 4 performance metrics over the 20-year projection period. MP3 also scores highly, with the highest probability of being in the Kobe green quadrant but with slightly less stability in catches from year to year, lower catch, and a lower net revenue. MP2 performs well for yield-related metrics at the sacrifice of population health.

READING THIS CHART

This chart **compares the performance of 5 management procedures (MP) against 4 performance metrics**. Only those with relevant differences are shown in the chart.

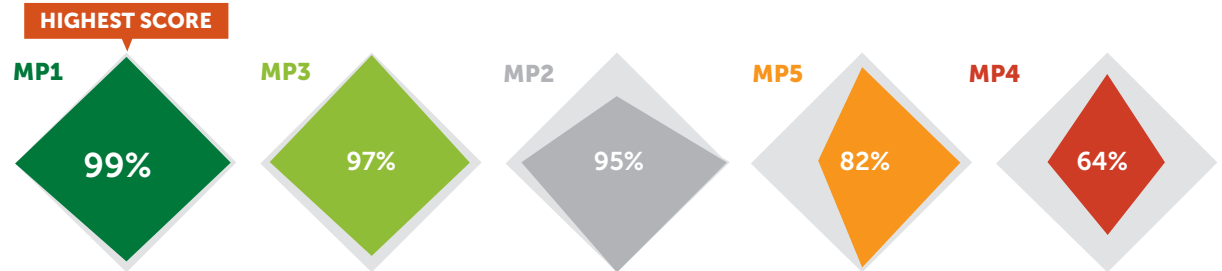Each value is a median for X operating models over 20 years in the projection period 2020-2040.

◆ The **filled diamonds on top** represent the **average score for all** performance metrics for each management procedure. It provides a quick comparison of overall MP performances. **Larger areas indicate better overall performance.**

◇ **The lines in the bottom spider plot** represent **individual scores** for performance metrics in each management procedure. Scores closer to the exterior edge indicate better performance.
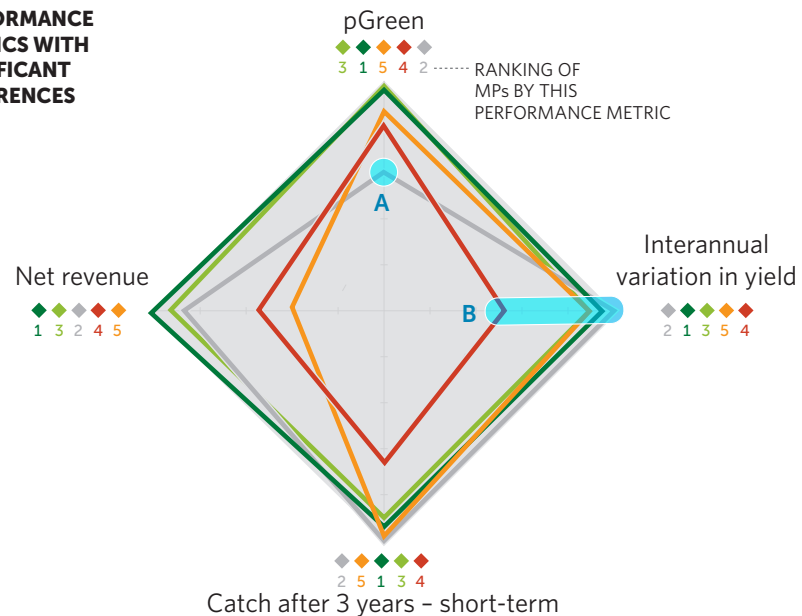
Glossary

Blim Biomass limit reference point

pGreen Probability that the population is not overfished and not subject to overfishing (i.e., in the green quadrant of the Kobe plot)

MANAGEMENT PROCEDURE Overall scores (average of 4 performance metrics)

HIGHEST SCORE

MP1	MP3	MP2	MP5	MP4
99%	97%	95%	82%	64%

PERFORMANCE METRICS WITH SIGNIFICANT DIFFERENCES

pGreen
3 1 5 4 2 ······· RANKING OF MPs BY THIS PERFORMANCE METRIC

A

Net revenue
1 3 2 4 5

Interannual variation in yield
2 1 3 5 4

B

Catch after 3 years – short-term
2 5 1 3 4

PERFORMANCE METRICS WITH NO SIGNIFICANT DIFFERENCES

• >Blim

• Catch after 30 years – long-term

Notes

A *Maximizing catch in the short-term has a tradeoff of decreasing the likelihood that the population is in the green quadrant of the Kobe plot.*

B *MP2 has the lowest interannual variation in catch, making it the most stable MP, while MP4 has the most variation and least stability.*

*The plot can also be used to show the results at the end of the projection period.