**Trade-off: catch/biomass**

Six management procedures (MP1-MP6). Median in final year of 2020-2040 projection.

**SUMMARY OF RESULTS**

Management procedure 2 (MP2) and MP3 perform best, maintaining the stock around \( B_{MSY} \) while fishing around the target reference point. While MP4 and MP6 also project a sustainable stock, fishing effort is lower than necessary. The failure of MP5 stems from severe overfishing, resulting in an overfished stock.

**READING THIS CHART**

The chart compares trade-offs in six management procedures (MPs) for \( X \) operating models by measuring two co-dependent performance metrics: fishing mortality (vertical axis) and biomass (horizontal axis).

Index (1 = target)

The dots represent the median value for the final year of the projected period 2020-2040. Dotted lines around dots are error bars representing 90th percentiles.

**Performance metrics measured**

- \( F/F_{MSY} \) Fishing mortality relative to fishing at maximum sustainable yield.
- \( SB/SB_{MSY} \) Spawning biomass relative to the spawning biomass that enables a fish stock to deliver the maximum sustainable yield.