

Evaluation of Biomass Dynamic Stock Assessment

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1. Introduction

In this study we use Management Strategy Evaluation (MSE) to test advice rules based on a biomass dynamic production model for category 3 and 4 stocks that are inline with both the Maximum Sustainable Yield (MSY) and Precautionary Approach (PA) frameworks adopted by ICES for category 1 stocks.

The specific aims of the study are to

- Establish whether performance of the advice rules is correlated with life-history characteristics
- If such correlations exist, develop guidelines for use of the advice rules dependent on life-history characteristics

2. Material and Methods

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3. Results

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4. Discussion and Conclusions

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5. Acknowledgements

This paper was written under the MyDas project funded by the Irish exchequer and EMFF 2014-2020. The overall aim of MyDas is to develop and test a range of assessment models and methods to establish Maximum Sustainable Yield (MSY) reference points (or proxy MSY reference points) across the spectrum of data-limited stocks.

6. Figures