

Sardine document list for IWS 2018, with additional comments linking the documents to the key questions addressed to the Panel

A brief description of each document is provided in red italics, with the particular aim of linking the documents to the key questions to the Panel.

Primary

P1: List of key questions for the panel regarding sardine.

P2: de Moor, C.L. 2018. Recruitment variability estimated by the sardine assessment model.

Background to key question 1, showing the difference in σ_R^S when the stock-recruitment relationship was estimated during versus after conditioning.

P3: Bergh, M.O. 2018. A simulation schema for projections of West Coast sardine recruitment.

Describes a method for simulating sardine recruitments for management procedure evaluations based on stock assessment results. Outlines the approach taken to validate and decide on the preferred method and relates to key question 1.

P4: Bergh, M.O. 2018. Factors influencing the relationship between β and p at a constant value of leftward shift.

Quantifies the relationship between β (intensity of harvesting) and p (contribution of South Coast spawning biomass to West Coast effective spawning biomass) at a constant value of leftward shift across a progression of ever complicating factors in the operating model. Identifies the step which causes the β and p relationship to become strongly increasing. Proposes and uses samples from a multivariate normal distribution to reflect stock assessment uncertainty.

P5: Butterworth, D.S. 2018. On difficulties in interpreting measures of risk in trade-off situations

An example is provided to illustrate a case where even for a large and consequential change in a management measure, there is very little change in a linked risk probability. This leads into question(s) (4) of how such measures of risk are best interpreted in making trade-off decisions, and whether alternative measures might better be pursued.

Background documents

BG1: A summary of the sardine (and anchovy) fishery.

A summary document providing an overview of the sardine resource and fishery, and a brief description of the data available, assessments and management of the fishery.

BG2: Progress on recommendations from the 2017 review panel report.

The sardine section of the 2017 Panel report is duplicated with responses in red italics to each recommendation.

BG3: Sardine document list for IWS 2018, with additional comments linking the documents to the key questions addressed to the Panel

This document.

