**Documents for the MARAM/DAFF International Fisheries Stock Assessment Review Workshop, 2018**

**General:**

**General 1**: Announcement.

**General 2**: Schedule.

**General 3**: Document list.

## HAKE

## *Primary Documents*

**P1**: Rademeyer, R.A., Butterworth, D.S. and Ross-Gillespie, A. 2018. Specifications of the South African Hake 2018 Reference Case Assessment.

**P2**: Ross-Gillespie, A., Butterworth, D.S. and Durholtz, D. 2018. Bridge-building between the 2017 and 2018 hake RC assessment models.

**P3**: Ross-Gillespie, A. and Butterworth, D.S. 2018. Specification and conditioning of the hake OMP2018 Reference Set models.

**P4**: Ross-Gillespie, A. and Butterworth, D.S. 2018. Projection results for OMP2018, as well as other CMPs tested

**P5**: Ross-Gillespie, A. and Butterworth, D.S. 2018. List of possible robustness tests for the 2018 OMP review.

**P6a**: Ross-Gillespie, A. and Butterworth, D.S. 2018. First set of robustness tests conducted for OMP2018.

**P6b**: Ross-Gillespie, A. and Butterworth, D.S. 2018. Second set of robustness tests conducted for OMP2018.

**P7**: Ross-Gillespie, A. and Butterworth, D.S. 2018. Exploration of a safe-guard metarule for OMP2018 in the eventuality that the *M. capensis* CPUE and survey indices drop too low.

**P8**: OLRAC. 2018. Background to the species splitting model adopted for the development of OMP-18.

**P9**: Hake: Questions to the Panel

## *Background Documents*

## BG1: Hake document list for IWS 2018, with additional comments linking the documents to the key questions addressed to the Panel.

**BG2**: Responses to 2017 Panel recommendations.

**BG3**: Durholtz, M.D. 2018. An overview of the SA hake fishery

**BG4**: Ross-Gillespie, A., Butterworth, D.S., Glazer, J.P. and Fairweather, T.P. 2018. The 2018 Operational Management Procedure for the South African *Merluccious paradoxus* and *M. capensis.* DAFF Fisheries Branch document FISHERIES/2018/OCT/SWG-DEM/73.

**BG5**: Winker, H. 2018. A state-space approach to approximate changes in trawl survey catchability for *Merluccius paradoxus* and *M. capensis.* DAFF Fisheries Branch document FISHERIES/2018/SEP/SWG-DEM/45.

**BG6**: Glazer, J.P. 2018. Updated hake standardized CPUE indices of abundance (1978-2917). DAFF Fisheries Branch document FISHERIES/2018/OCT/SWG-DEM/57.

**BG7**: Ross-Gillespie, A. and Butterworth, D.S. 2018. Update on the MARAM hake predation model, focusing on the natural mortality-at-age vectors to be used for the Reference Set of Operating Models for the 2018 Hake OMP review. DAFF Fisheries Branch document FISHERIES/2018/MAR/SWG-DEM/11.

# **BG8:** A. Ross-Gillespie and D.S. Butterworth. Testing an alternative CMP approach where the 2019 and 2020 TACs are fixed at 10% above the 2018 value.

**WEST COAST ROCK LOBSTER**

***Primary Documents***

**P1**: Brandão, A., Butterworth, D.S. and Johnston, S.J. 2018. Refined trends in poaching for West Coast rock lobster based upon information from the DAFF compliance “new” database for the period 2012 to 2017, and final poaching trends used for updated assessments and projections.

**P2**: Johnston S.J. and Butterworth, D.S 2018. The size-structured (length based) stock assessment methodology applied to west coast rock lobster.

**P3**: Johnston S.J. and Butterworth, D.S 2018. 2018 updated west coast rock lobster assessments.

**P4**: Johnston S.J. and Butterworth, D.S 2018. Projections of the west coast rock lobster resource under different poaching and future catch scenarios.

**P5**: Butterworth, D.S 2018. On options for the basis for future west coast rock lobster TAC advice.

**P6**: West Coast Rock Lobster: Questions to the panel

***Background Documents***

**BG1**: Johnston S.J. and Butterworth, D.S 2018. A summary of the west coast rock lobster fishery.

**BG2**: Johnston S.J. 2018. West Coast Rock Lobster: Responses to previous Panel Recommendations.

**BG3**: Johnston S.J. and Butterworth, D.S 2018. The Consequences of Different Inshore/Offshore splits of the WCRL TAC.

**BG4**: Johnston, S.J. and Butterworth, D.S. 2018. West Coast Rock Lobster document list for IWS 2018, with additional comments linking the documents to the key questions addressed to the Panel.

**LINE FISH**

***Primary documents***

**P1**: Questions to the panel

**P2**: Winker, H., Carvalho, FC, Thorson, J.T., Parker, D., Kerwath. S.E., Booth, A.J., Kell, L. 2018. JABBA-Select: an alternative surplus production model to account for changes in selectivity and relative mortality from multiple fisheries

**P3**: Winker, H. 2018. Investigation into the process error in biomass dynamics of fishes.

## *Background documents*

**BG1**: Parker, D., Winker, H., Kerwath, S.E., Attwood, C.G. 2018. An Overview of the South African Linefish fishery.

**BG2**: Linefish document list for IWS 2018, with additional comments and background linking the documents to the key questions addressed to the Panel.

**SARDINE**

***Primary documents***

**P1**: List of Key Questions for the Panel Regarding Sardine.

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

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

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

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

***Background documents***

**BG1**: J.C. Coetzee, C.L. de Moor and D.S. Butterworth. A summary of the South African sardine (and anchovy) fishery.

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

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