Document List

**General:**

**General 1:** Announcement. 1pp.

**General 2:** Schedule. 1pp.

**General 3:** Document list. 3pp.

**General 4:** Announcement: Defining the scope of EAF – discussion session during the International Stock Assessment workshop. 2pp.

**General 5:** Key questions for the Panel to address. 2pp

**Hake:**

**Primary Documents:**


**Background Documents:**

**BG1:** Ross-Gillespie A, Butterworth D.S, Fairweather T.P. and Rademeyer R.A. 2015. Investigating different methods for obtaining hake survey probability distributions for length, and an inspection the sub-sample for which biologicals were measured. 26pp.


**Sardine:**

**Primary Documents:**

**P1:** de Moor CL, Butterworth DS. 2015. The stock assessment model for South African sardine. 18pp.

**P2:** van der Lingen CD, Mushanganyisi KS. 2015. Preliminary analyses of infection of western and southern sardine by a “tetracotyle” type digenean parasite from samples collected during the November pelagic biomass surveys and May pelagic recruit surveys, 2010-2014. 12pp

**P3:** de Moor CL, Butterworth DS. 2015. Initial results from fitting the revised sardine two-mixing-stock model to data from 1984-2014, including parasite prevalence-by-length sampled from November surveys 2010-2014. 18pp.

**Background Documents:**

**BG1:** de Moor CL, Butterworth DS, van der Lingen CD. 2015. Overview of Sardine Documents. 2pp


**BG7**: van der Lingen CD, Weston LF, Ssempa NN, Reed CC. 2015. Incorporating parasite data in population structure studies of South African sardine *Sardinops sagax*. Parasitology 142: 156-167. 12pp (link to journal on MARAM site)


**Penguins - Detection of closure effect on birds:**

**Primary documents:**


**P2**: Penguin Island Closure Task Team. 2015. Consolidated analyses produced in implementation of the approaches described in document MARAM/IWS/DEC15/PengD/P1. 40pp.


**P5**: Cochrane, K. 2015. Chair’s overview of progress in the simulation testing of penguin closure effect response estimators as reported in MARAM/IWS/DEC15/PengD/P1-4. 6pp.

**Background documents:**

**BG1**: Coetzee, J. 2015. The current set of available data for evaluation of the Island Closure Feasibility study. 2015. 14pp

**BG3**: Butterworth, D.S. 2015. On plans for penguin analyses arising from some of the IWS panel: recommendations. FISHERIES/2015/MAY/SWG-PEL/17. 6pp

**BG4**: Butterworth, D.S. 2015. Suggestions re further penguin power analysis and estimator simulation tests in response to panel recommendations. FISHERIES/2015/AUG/SWG-PEL/PENG/D1. 6pp


**BG6**: Workshop report: meeting on the future of the Island Closures study. 4pp

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**Penguins - Impact of closure on industry:**

**Primary documents:**

**P1**: OLRAC: Final Report: The economic impact of penguin island closures on the pelagic fishing industry:

  Extract for the Panel. 24pp.