

List of papers produced by the MARAM group

2009 Research

1. Research Papers and Refereed Articles

1. Branch, T.A., Mikhalev, Y.A. & Kato, H. 2009. Separating pygmy and Antarctic blue whales using long-forgotten ovarian data. *Marine Mammal Science* 25(4): 833 – 854.
2. Brandão, A. and Butterworth, D.S. 2009. A proposed Management Procedure for the toothfish (*Dissostichus eleginoides*) resource in the Prince Edward Islands vicinity. *CCAMLR Science*: 16: 33-69.
3. Edwards, C.T.T., Rademeyer, R.A., Butterworth, D.S. and É.E. Plagányi. 2009. Investigating the consequences of Marine Protected Areas for the South African deep-water hake (*Merluccius paradoxus*) resource. *ICES J. Mar. Sci.* 66: 72–81.
4. de Moor, C.L. and Butterworth, D.S. The 2004 re-assessment of the South African sardine and anchovy populations to take account of revisions to earlier data and recent record abundances. *African Journal of Marine Science* 31(3):333-348.

In press

1. Branch, T.A. Humpback whale abundance south of 60°S from three complete circumpolar sets of surveys. *Journal of Cetacean Research and Management (Special Issue)*.
2. Brandão, A. and Butterworth, D.S. Concerning demographic limitations on the population growth rate of West Australian (breeding stock D) humpback whales. *J. Cetacean Res. Manage (Special Issue)*.
3. Johnston, S.J., Zerbini, A.N. and Butterworth, D.S. A Bayesian approach to assess the status of Southern Hemisphere humpback whales (*Megaptera novaengliae*) with an application to breeding stock G. *J. Cetacean Res. Manage (Special Issue)*.
4. Butterworth, D.S., Johnston, S.J. and Brandão, A. On pre-testing the likely efficacy of suggested management approaches for data-poor fisheries. *Marine and Coastal Fisheries (American Fisheries Society) Spec. Edition*. 1–42.

Submitted

2 Peer reviewed Published Conference Proceedings

In press

3. Non-Peer reviewed Published Conference Proceedings

1. Plagányi, É.E., Brandão, A., Butterworth, D.S., de Moor, C.L., Glazer, J., Johnston, S. and Rademeyer, R.A. 2009. Stock assessment in South Africa – building on a consistent yet flexible approach. Proceedings of the Fifth World Fisheries Congress, Yokohama, 20–24 Oct 2008.

4. Conference abstracts [posters]

8. University Publications and Works of a Popular Nature

- 1 de Moor, C.L. and Butterworth, D.S. 2009. Setting the TAC for sardine and anchovy. *Martime Southern Africa* Nov/Dec 2009: 29-31.

9. Unpublished Research/Technical/Policy Documents

1. Best, P.B., Meyer, M.A., de Decker, M., Muller, A. and Sekiguchi, K. 2009. Estimating the abundance of common dolphins on the southern coast of South Africa. *International Whaling Commission document: SC/61/SM33: 1–17.*
2. Brandão, A. and Butterworth, D.S. 2009. Further results for lower confidence limits for the abundance of West Greenland minke whales. *International Whaling Commission document: SC/M09/AWMP04: 1–14.*
3. Brandão, A. and Butterworth, D.S. 2009. Yet further results for lower confidence limits for the abundance of West Greenland minke whales. *International Whaling Commission document: SC/61/AWMP07: 1–28.*
4. Butterworth, D.S. and Johnston, S.J. 2009. Report on discussions on modelling studies of possible interchange between the C1 and C3 breeding Substocks of Southern Hemisphere humpback whales, Cape Town. *International Whaling Commission document: SC/F09/SH1: 1–12.*
5. Butterworth, D.S. 2009. A note on disaggregating population models by sex. *International Whaling Commission document: SC/F09/SH6: 1–2.*
6. de Moor, C.L. and Butterworth, D.S. 2009. Updated assessments of the central stock of minke whales in the North East Atlantic. *North Atlantic Marine Mammal Commission document: NAMMCO/SC/16/AS/05: 1–21.*
7. Johnston, S.J. and Butterworth, D.S. 2009. Bayesian assessments of Southern Hemisphere humpback whale breeding Sub-stocks C1 and C3, including allowance for interchange on the breeding grounds. *International Whaling Commission document: SC/F09/SH3: 1–22.*
8. Johnston, S.J. and Butterworth, D.S. 2009. Addendum to: Bayesian assessments of Southern Hemisphere humpback whale breeding Sub-stocks C1 and C3, including allowance for interchange on the breeding grounds. *International Whaling Commission document: SC/F09/SH3Addendum: 1–8.*
9. Johnston, S.J., Butterworth, D.S. and Muller, A. 2009. Simulation testing of two estimators for the assessment of Southern Hemisphere humpback whale breeding Stock C and its component Sub-stocks. *International Whaling Commission document: SC/F09/SH5: 1–12.*
10. Johnston, S.J. and Butterworth, D.S. 2009. Bayesian assessments using models which allow for interchange on the breeding grounds of Southern Hemisphere humpback whale breeding Sub stocks C1 and C3. *International Whaling Commission document: SC/61/SH27: 1–39.*
11. Johnston, S.J., Butterworth, D.S. and Muller, A. 2009. Simulation testing of the sabbatical model estimator for the assessment of Southern Hemisphere humpback whale breeding Stock C and its component Sub-stocks. *International Whaling Commission document: SC/61/SH28: 1–11.*
12. Kurota, H., Sakai, O., Takahashi, N. and Butterworth, D.S. 2009. Further examinations of the SBT operating model to explore new tagging model and grid specifications. *Commission for the Conservation of the Southern Bluefin Tuna document: CCSBT-OMMP/0907/05: 1–24.*
13. Muller, A., Butterworth, D.S. and Johnston, S.J. 2009. Is the length distribution of C1 and C3 humpback whale catches consistent with an age-structured version of the resident model? *International Whaling Commission document: SC/61/SH29: 1–34.*
- 14.

13. Consultancy and Other Activities Based on Expertise Developed in Research

1. Brandão, A., Rademeyer, R.A. and Butterworth, D.S. 2009. GLM standardisation of recent commercial CPUE data for Greenland halibut for Canada, Portugal and Spain which allows for finer spatial stratification. Document to co-operative industry/government project meeting on Greenland halibut assessment. Vigo 22-24 April: 1-9.
2. Brandão, A. and Butterworth, D.S. 2009. Preliminary re-analysis of the Fisheries Independent Monitoring Survey of the rock lobster resource of South Africa. Marine and Coastal Management document: MCM/2009/JUL/SWG-WCRL/11a: 1-7.
3. Brandão, A. and Butterworth, D.S. 2009. Re-analysis of the Fisheries Independent Monitoring Survey of the rock lobster resource of South Africa. Marine and Coastal Management document: MCM/2009/JUL/SWG-WCRL/11b: 1-7.
4. Brandão, A. and Butterworth, D.S. 2009. New and updated data available for the abalone assessment for Zones A, B, C and D. Marine and Coastal Management document: MCM/2009/SEP/SWG-AB/03: 1-2.
5. Brandão, A. and D.S. Butterworth. 2007. 2007 assessment of the toothfish (*Dissostichus eleginoides*) resource in the Prince Edward Islands vicinity. Marine and Coastal Management document: MCM/2009/SEP/SWG/TOOTHFISH-03: 1-10.
6. Brandão, A. and D.S. Butterworth. 2007. A proposed Management Procedure for the thoothfish (*Dissostichus eleginoides*) resource in the Prince Edward Islands vicinity. Marine and Coastal Management document: MCM/2009/SEP/SWG-TOOTHFISH/02: 1-54.
7. Brandão, A. and Butterworth, D.S. 2009. A summary of the General Linear Model analyses applied to commercial abalone CPUE data for Zones A-D over the period 1980-2008. Marine and Coastal Management document: MCM/2009/OCT/SWG-AB/06: 1-12.
8. Brandão, A.. 2009. Abalone poaching confiscation numbers and trends for Zones A-D updated to include data until 2009. Marine and Coastal Management document: MCM/2009/OCT/SWG-AB/07: 1-7.
9. Brandão, A. and Butterworth, D.S. 2009. Results for the Reference-case abalone spatial- and age-structured assessment model for Zones A, B, C and D in 2009. Marine and Coastal Management document: MCM/2009/OCT/SWG-AB/08: 1-41.
10. Brandão, A. and Butterworth, D.S. 2009. Further results and sensitivity tests for the Reference-case abalone spatial- and age-structured assessment model for Zones A, B, C and D. Marine and Coastal Management document: MCM/2009/OCT/SWG-AB/10: 1-14.
11. Brandão, Anabela and Plagányi, Éva. 2009. Results of a sensitivity test of the abalone assessment for Zones A-D and some other results: MARAM IWS/DEC09/AP/WP/3: 1-4.
12. Butterworth, D.S. and Rademeyer, R.A. 2009. Summary information on Greenland halibut distribution in NAFO Subarea 2 and Divisions 3KLMNO. Document to co-operative industry/government project meeting on Greenland halibut assessment. Toronto 10-12 February: 1-7.
13. Butterworth, D.S. and Rademeyer, R.A. 2009. Summary of actual and potential stock assessment inputs for Greenland halibut in NAFO Subarea 2 and Divisions 3KLMNO, and current assessment results. Document to co-operative industry/government project meeting on Greenland halibut assessment. Toronto 10-12 February: 1-13.
14. Butterworth, D.S. and Rademeyer, R.A. 2009. Initial applications of statistical catch-at-age assessment methodology to the Greenland halibut resource. Document to co-operative industry/government project meeting on Greenland halibut assessment. Vigo 22-24 April: 1-22.
15. Butterworth, D.S. and Rademeyer, R.A. 2009. Further applications of statistical catch-at-age assessment methodology to the 2J3K-O Greenland halibut resource. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Vigo 22-24 April. 1-11.
16. Butterworth, D.S. and Rademeyer, R.A. 2009. CPUE-based assessments of the Greenland halibut resource using SCAA. Document to co-operative industry/government project meeting on Greenland halibut assessment. Vigo 22-24 April. 1-11.
17. Butterworth, D.S. and Rademeyer, R.A. 2009. Extensions to SCAA applications reported in: Further applications of statistical catch-at-age assessment methodology to the 2J3K-O Greenland halibut resource. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Dartmouth, 1-3 June: 1-27.

18. Butterworth, D.S. 2009. Some responses to the comments below. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Dartmouth, 1-3 June: 1-7.
19. Butterworth, D.S. and Rademeyer, R.A. 2009. Further CPUE-based assessments of the Greenland halibut resource using SCAA. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Dartmouth, 1-3 June: 1-7.
20. Butterworth, D.S. and Rademeyer, R.A. 2009. On the precision of absolute abundance as estimated by VPA. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Dartmouth, 1-3 June: 1-12.
21. Butterworth, D.S. and Rademeyer, R.A. 2009. 2+3KLMNO Greenland halibut – bridging the gap Document for co-operative industry/government project on Greenland halibut assessment, July: 1-6.
22. Butterworth, D.S. and Rademeyer, R.A. 2009. 2+3KLMNO Greenland halibut – bridging the gap. Technical Annex. Document for co-operative industry/government project on Greenland halibut assessment, July: 1–5.
23. Butterworth, D.S., de Moor, C.L. and Plagányi, É.E. 2009. Pelagic research projects – stock assessment related proposals. Marine and Coastal Management document: MCM/2009/SWG-PEL/07(Feb): 1–3.
24. Butterworth, D.S. and Rademeyer, R.A. 2009. Suggested timetable for assessment-related analyses for the South African hake resource. Marine and Coastal Management document: MCM/2009/JAN/SWG-DEM/05: 1–Butterworth, D.S. 2009. Implications of a new survey estimate of the size of the west coast rock lobster recreational catch: MCM/2008/JUL/SWG-WCRL/08: 1-3.
25. D.S. Butterworth. Comments regarding the Allee effect and the South African abalone resource: MARAM IWS/DEC09/AP/12: 1
26. de Moor, C.L. and Butterworth, D.S. 2009. The relationship between pelagic acoustic survey CV and pelagic abundance and survey effort. Marine and Coastal Management document: MCM/2009/SWG-PEL/04(Feb): 1–4.
27. de Moor, C.L. and Butterworth, D.S. 2009. A two-stock hypothesis for the South African sardine resource. Marine and Coastal Management document: MCM/2009/SWG-PEL/05(Feb): 1–3.
28. de Moor, C.L. and Butterworth, D.S. 2009. Did high directed sardine TACs cause the rapid decline in sardine abundance? Marine and Coastal Management document: MCM/2009/SWG-PEL/10(May): 1–2.
29. de Moor, C.L. and Butterworth, D.S. 2009. How should the sardine length frequencies be weighted?. Marine and Coastal Management document: MCM/2009/SWG-PEL/12(May): 1–12.
30. de Moor, C.L. 2009. Progress on the sardine 2-stock hypothesis. Marine and Coastal Management document: MCM/2009/SWG-PEL/13(May): 1–2.
31. de Moor, C.L. and Butterworth, D.S. 2009. A 2-stock hypothesis for South African sardine: two discrete stocks. Marine and Coastal Management document: MCM/2009/SWG-PEL/23(Jun): 1–16.
32. de Moor, C.L. and Butterworth, D.S. 2009. Final anchovy TAC and sardine TAB for 2009, using OMP-08. Marine and Coastal Management document: MCM/2009/SWG-PEL/26(Jun): 1–5.
33. de Moor, C.L. and Butterworth, D.S. 2009. When would a survey estimate be considered “appreciably outside the bounds predicted in the OMP testing”? Marine and Coastal Management document: MCM/2009/SWG-PEL/30(Oct): 1–4.
34. de Moor, C.L. and Butterworth, D.S. 2009. Updated anchovy assessment. Marine and Coastal Management document: MCM/2009/SWG-PEL/31(Oct): 1–10.
35. de Moor, C.L. and Butterworth, D.S. 2009. Addendum to updated anchovy assessment: MCM/2009/SWG-PEL/31b: 1-2.
36. de Moor, C.L. and Butterworth, D.S. 2009. Updated sardine assessment: MCM/2009/SWG-PEL/32: 1-15.

37. de Moor, C.L. and Butterworth, D.S. 2009. How should the sardine length frequencies be weighted? Exploring alternative methods. Marine and Coastal Management document: MCM/2009/SWG-PEL/42(Oct): 1–23.
38. de Moor, C.L. and Butterworth, D.S. 2009. A two discrete stock hypothesis for South African sardine resource: MCM/2009/SWG-PEL/47: 1-14.
39. de Moor, C.L. 2009. Directed sardine and initial anchovy TACs and sardine TAB for 2010, using OMP-08: MCM/2009/SWG-PEL/52: 1-3.
40. C.L.de Moor (Compiler), Progress on summary remarks made by the external panel at the MARAM international stock assessment workshop – 8-12 December 2008, UCT: MARAM IWS/DEC09/ALL/1: 1-6.
41. C.de Moor and D.S.Butterworth. Some extracts from the MSC review of the hake assessment, with some associated comments: MARAM IWS/DEC09/HP/18: 1-8.
42. C.L. de Moor and D.S. Butterworth. Some initial attempts at fitting a two mixing stock hypothesis for South African sardine resource: MARAM IWS/DEC09/SP/2: 1-5.
43. Fairweather, T., Glazer, J., Leslie, R., de Decker, M., Johnston, S. and Butterworth, D. 2009. Hake data: problems, solutions and GLM CPUE sensitivity to alternate scenarios. Marine and Coastal Management document: MCM/2009/OCT/SWG-DEM/72: 1–26.
44. Fairweather, T., Butterworth, D., Rademeyer, R. and Leslie, R. 2009. Computing proportions at length (and by sex) from catches in a stratum. Marine and Coastal Management document: MCM/2009/OCT/SWG-DEM/75: 1–2.
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46. Glazer, J.P. and Butterworth, D.S. 2009. Required data inputs for an update of the current squid stock assessment model. Marine and Coastal Management document: MCM/2009/JUL/SWG-SQ/06: 1–6.
47. Glazer, J.P. and Butterworth, D.S. 2009. Results from sensitivity tests related to the models used to standardize the offshore commercial trawl CPUE data of *M.capensis* and *M.paradoxus* respectively: MCM/2009/NOVEMBER/SWG-DEM/95: 1-19.
48. Johnston, S.J. and de Decker, M. 2009. The catch and effort data to be used in GLM analyses to produce CPUE indices for the four islands of the Tristan da Cunha group. Document MARAM/TRISTAN/09/May/01: 1–16.
49. Johnston, S.J. 2009. Catch data for the stock assessment of lobster at the Tristan da Cunha group of islands. Document MARAM/TRISTAN/09/May/02: 1–3.
50. Johnston, S.J., Brandão, A. and Butterworth, D.S. 2009. GLM and GLM-standardised lobster CPUE from the Tristan da Cunha group of islands for the 1997-2007 period. Document MARAM/TRISTAN/09/June/03: 1–15.
51. Johnston, S.J. and Butterworth, D.S. 2009. Estimates of sustainable rock lobster yield for the four islands of the Tristan da Cunha group. Document MARAM/TRISTAN/09/June/04: 1–13.
52. Johnston, S.J. 2009. Summary of the west coast rock lobster recreational fishery estimates. Marine and Coastal Management document: MCM/2009/MAY/SWG-WCRL/01: 1–8.
53. Johnston, S.J. and Butterworth, D.S. 2009. Summary of deliberations by a Task Group on west coast rock lobster recreational telephone survey catch estimates, and implications of those results. Marine and Coastal Management document: MCM/2009/AUG/SWG-WCRL/13: 1–16.
54. Johnston, S.J., Butterworth, D.S. and Glazer, J.P. 2009. TAC 2009 for west coast rock lobster using OMP 2007 re-cast. Marine and Coastal Management document: MCM/2009/AUG/SWG-WCRL/17: 1–15.
55. Johnston, S.J. and Butterworth, D.S. 2009. Updated south coast rock lobster stock assessments for 2009. Marine and Coastal Management document: MCM/2009/AUG/SWG-SCRL/06: 1–20.
56. Johnston, S.J. and Butterworth, D.S. 2009. Implications of adding an extra annual 170 MT interim relief catch for the output of the west coast rock lobster OMP 2007 re-cast. Marine and Coastal Management document: MCM/2009/OCT/SWG-WCRL/20: 1–4.
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58. Johnston, S.J. and Butterworth, D.S. 2009. Recommended TAC 2009 for the south coast rock lobster resource using OMP 2008: MCM/2009/AUG/SWG-SCRL/07: 1-8.

59. É.E. Plagányi and D.S. Butterworth. 2009. A spatial- and age-structured assessment model to estimate the impact of illegal fishing and ecosystem change on the South African abalone (*Haliotis midae*) resource MARAM IWS/DEC09/AP/1: 1-73.
60. É.E. Plagányi and D.S. Butterworth. 2009. Illegal and unreported fishing on abalone – quantifying the extent using a fully integrated assessment model: MARAM IWS/DEC09/AP/2: 1-41.
61. Plagányi, Éva and Brandão, Anabela. 2009. Brief analysis of projection results using the abalone assessment model: MARAM IWS/DEC09/AP/WP/2: 1-2.
62. Rademeyer, R.A. and Butterworth, D.S. 2009. A note on the plausibility of the new baseline estimate of halibut abundance. Document for NAFO Working Group to evaluate alternative assessment models to for the assessment of Greenland halibut. Dartmouth, 1-3 June: 1-2.
63. Rademeyer, R.A. and Butterworth, D.S. 2009. Update regarding the calibration factors for the two hake species between the two gear types used on the *Africana*. Marine and Coastal Management document: MCM/2009/JAN/SWG-DEM/04: 1–3.
64. Rademeyer, R.A. and Butterworth, D.S. 2009. Comparison of the last two years' input to the hake OMP-2006 to model projections. Marine and Coastal Management document: MCM/2009/FEB/SWG-DEM/16: 1–4.
65. Rademeyer, R.A. and Butterworth, D.S. 2009. Output and alternatives from the South African hake OMP-2006 for the 2009 TAC recommendation. Marine and Coastal Management document: MCM/2009/MAR/SWG-DEM/19: 1–4.
66. Rademeyer, R.A. and Butterworth, D.S. 2009. Why does the current hake assessment indicate the extent of depletion of the *M. paradoxus* population to be high, but that of *M. capensis* to be much less? Marine and Coastal Management document: MCM/2009/APR/SWG-DEM/24: 1–9.
67. Rademeyer, R.A. and Butterworth, D.S. 2009. Addendum to: Why does the current hake assessment indicate the extent of depletion of the *M. paradoxus* population to be high, but that of *M. capensis* to be much less? Marine and Coastal Management document: MCM/2009/MAY/SWG-DEM/24Add: 1–3.
68. Rademeyer, R.A. and Butterworth, D.S. 2009. Data to be used in conditioning the next reference Set of Operating Models for the South African hake resource. Marine and Coastal Management document: MCM/2009/MAY/SWG-DEM/32: 1–11.
69. Rademeyer, R.A. and Butterworth, D.S. 2009. Update on data to be used in conditioning the next reference Set of Operating Models for the South African hake resource. Marine and Coastal Management document: MCM/2009/JUN/SWG-DEM/47: 1–2.
70. Rademeyer, R.A. 2009. Some comments on “Illustration of the role of the pre-1978 species splitting assumptions in hake assessments”. Marine and Coastal Management document: MCM/2009/JUL/SWG-DEM/66: 1–2.
71. Rademeyer, R.A. 2009. Age-reading error matrices for *Merluccius paradoxus* and *M. capensis*. Marine and Coastal Management document: MCM/2009/OCT/SWG-DEM/73: 1–7.
72. Rademeyer, R.A. and Butterworth, D.S. 2009. Report on progress with refined hake assessment. Marine and Coastal Management document: MCM/2009/OCT/SWG-DEM/74: 1–41.
73. Rademeyer, R.A. and Butterworth, D.S. A gender-disaggregated assessment of the South African hake resource, fitting directly to age-length keys: a new reference case: MCM/2009/NOVEMBER/SWG-DEM/91: 1-7.
74. Rademeyer, R.A. and Butterworth, D.S. Routine update of the 2008 baseline assessment for the South African hake resource: MCM/2009/NOVEMBER/SWG-DEM/92: 1-9.
75. Rademeyer, R.A. and Butterworth, D.S. Conditioning of some robustness tests for the new reference case hake assessment: MCM/2009/NOVEMBER/SWG-DEM/93: 1-19.
76. Rademeyer, R.A. and Butterworth, D.S. 2009. List of suggested robustness tests for the “New Reference Case” (RC) hake assessment: MCM/2009/NOVEMBER/SWG-DEM/94: 1-3.
77. R.A. Rademeyer and D.S. Butterworth. Addendum: Conditioning of some robustness tests for the New Reference Case hake assessment: MARAM IWS/DEC09/HP/7Add: 1-8.
78. Robinson, W. and Butterworth, D.S. 2009. Update to the African Penguin population model taking account of new moult count information. Marine and Coastal Management document: MCM/2009/SWG-PEL/14: 1–6.

79. W. Robinson and D.S. Butterworth. Fitting both moult counts and tagging data to a population model for Robben Island penguins: MCM/2009/SWG-PEL/33: 1-11.
80. Robinson, W. and Butterworth, D.S. 2009. Simulation model for evaluating the power of tagging data coupled to a forage area fishing closure experiment to determine the extent to which closure might impact penguin survival: MCM/2009/SWG-PEL/44: 1-4.
81. W. Robinson. Results of the penguin tag-resighting experiment power evaluation simulations: MARAM IWS/DEC09/PP/3: 1-4.

Chapter in book

Published

- 1 Plagányi, É.E. and Butterworth, D.S. 2008. Competition with fisheries. Pages 269–275. *In Encyclopedia of Marine Mammals*, 2nd edition. Perrin, W.F., Würsig, B. and Thewissen, H.G.M. (eds), Academic Press, ISBN-10: 012373553X; ISBN-13:978-0123735539.
- 2 Barange, M., Bernal, M., Cercole, M.C., Cubillos, L.A. de Moor (formerly Cunningham), C.L., De Oliveira, J.A.A., Dickey-Collas, M., Gaughan, J., Hill, K., Jacobson, L.D., Köster, F.W., Massé, J., Ñiquen, M., Nishida, H., Oozeki, Y., Palomera, I., Saccardo, S.A., Santojanni, A., Serra, R., Somarakis, S., Stratoudakis, Y., Uriarte, A., van der Lingen, C.D., and Yatsu, A. 2009. Current trends in the assessment and management of stocks. Chapter 9 In: Checkley, D, Alheit, J., Oozeki, Y., and Roy, C. (Eds) *Climate Change and Small Pelagic Fish*. Cambridge University Press. pp 191-255

In press

Barange, M., O'Boyle, R., Cochrane, K.L., Fogarty, M.J., Jarre, A., Kell, L.T., King, J.R., de Moor, C.L., Reid, K., Sinclair, M. and Yatsu, A. Marine resources management in the face of change: from ecosystem science to ecosystem-based management. Chapter 9 In: Barange, M., Field, J.G., Harris, R.P., Hofmann, E.E., Perry, R.I., and Werner, F. (Eds). *Marine ecosystems and Climate Change*. Oxford University Press. Oxford, U.K.

Submitted