# 

# JOURNAL papers

# (Note: Name Change from Raubenheimer to Dichmont)

1. **Dichmont, C.M.**, Deng, R.A., Dowling, N.A., Punt, A.E. **accepted.** Collating stock assessment packages to improve stock assessments. Fisheries Research.
2. Natalie A. Dowling, **Catherine M. Dichmont**, George M. Leigh, Sean Pascoe, Rachel Pears, Tom Roberts, Sian Breen, Toni Cannard, Cameron Speir, Aaron Mamula, Marc Mangel. **2020**. Optimizing triple bottom line harvest strategies over multiple objectives and stakeholder preferences. Ecological Modeling. 435: 109-243. https://doi.org/10.1016/j.ecolmodel.2020.109243.
3. **Dichmont, Catherine M.**; Dowling, Natalie A.; Pascoe, Sean; Cannard, Toni; Pears, Rachel J.; Breen, Sian; Roberts, Tom; Leigh, George M., Mangel, M. **2020**. Operationalizing triple bottom line harvest strategies. ICES Journal of Marine Research. fsaa033, https://doi.org/10.1093/icesjms/fsaa033
4. Brown, Stephen K.; Shivlani, Manoj; Koeneke, Roberto; Agnew, David; Byrd, Julia; Cryer, Martin; **Dichmont, Cathy**; Die, David; Michaels, William, Reid, Keith; Rice, Jake; Sparholt, Henrik; Weinberg, James. **2020.** Patterns and practices in fisheries assessment peer review systems. Marine Policy. 117: <https://doi.org/10.1016/j.marpol.2020.103880>.
5. Pascoe, S., Cannard, T., Dowling, N., **Dichmont, C.M.**, Breen, S., Roberts, T., Pears, R., Leigh, G. 2019. Developing harvest strategies to achieve ecological, economic and social sustainability in multi-sector fisheries. MDPI: Sustainability. 11(3), 644; <https://doi.org/10.3390/su11030644>
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7. Dowling NA, Smith ADM, Smith DC, Parma, A.M., **Dichmont, C.M.**, Sainsbury, K., Wilson, J.R., Dougherty, D.T., Cope, J.M. 2018. Generic solutions for data‐limited fishery assessments are not so simple. Fish Fish. 2018;00:1–15. https://doi.org/10.1111/faf.12329.
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9. Pascoe, S., **Dichmont, C.M.** 2017. Does membership matter? Individual influences in natural resource management decision making. Marine Policy. 83: 48-54 https://doi.org/10.1016/j.marpol.2017.05.024
10. Doyen L., Bene C., Bertignac M., Blanchard F., Cisse A., **Dichmont C.M.,** Gourguet S., Guyader O., Hardy P.-Y., Jennings S., Little L.R., Macher C., Mills D., Moussair A. , Pascoe S., Pereau, J.-C., **,** Sanz N., Schwarz A.M., Smith A., Thebaud O. 2017. Ecoviability for ecosystem‐based fisheries management. Fish and Fisheries. 18:1056–1072. https://doi.org/10.1111/faf.12224
11. Zhou, S., Punt, A.E., Ye, T., Ellis, N., **Dichmont, C.M.**, Haddon, M., Smith, D.C., Smith, A.D.M. 2017. Estimating stock depletion level from patterns of catch history. Fish and Fisheries. 00:1–10. doi: 10.1111/faf.12201
12. Robert L. Stephenson, Ashleen J. Benson, Kate Brooks, Anthony Charles, Poul Degnbol, Catherine M. Dichmont, Marloes Kraan, Sean Pascoe, Stacey D. Paul, Anna Rindorf, Melanie Wiber, Handling editor: Linwood Pendleton; Stephenson, R.L., Benson, A.J., Brooks, K., Charles, A., Degnbol, P., **Dichmont, C.M.**, Kraan, M., Pascoe, S., Paul, S.D., Rindorf, A., Wiber, M. 2017. Food for thought: Practical steps toward integrating economic, social and institutional elements in fisheries policy and management, ICES Journal of Marine Science, 74(7): 1981–1989, https://doi.org/10.1093/icesjms/fsx057
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18. **Dichmont, C.M.,** Deng, R.A., Punt, A.E., Brodziak, J., Chang, Y.-J., Cope, J.M., Ianelli, J.M., Legault, C.M., Methot Jr, R.D., Porch, C.E., Prager, M.H., Shertzer, K. 2016. A review of Stock Assessment Packages in the United States. Fisheries Research. 183: 447–460. <https://doi.org/10.1016/j.fishres.2016.07.001>
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24. **Dichmont, C.M.,** Dutra, L.X.C., Owens, R., Jebreen, E., Thompson, C., Deng, R.A., van Putten, E.I., Pascual, R., Dambacher. J.M, Warne, M.St.J., Quinn, R.H., Thébaud, O., Bennett, J., Read, M., Wachenfeld, D., Davies, J., Garland, A., Dunning, M., Collier, C., Waycott, M., Playford, J. **2016.**A generic method of engagement to elicit regional coastal management options. Oceans and Coastal Management. 124:22-32. <https://doi.org/10.1016/j.ocecoaman.2016.02.003>
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26. Pascoe, S., Kahui, V., Hutton, T., **Dichmont, C.M.** 2016. Experiences with the use of bioeconomic models in the management of Australian and New Zealand fisheries. Fisheries Research 183: 539 - 548. http://dx.doi.org/10.1016/j.fishres.2016.01.008
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39. Venables, W., **Dichmont, C.M.**, Toscas, P., Bishop, J., Ye, Y. and Deng, R. 2003. Report to NORMAC on Effort Trade-off Proposals for the NPF. MIRF 2003.
40. Deng, A. and **Dichmont, C.M.** 2003. Status of tiger prawn stocks at the end of 2002. ARF. 32pp.
41. Hunter, C., **Dichmont, C.M.** and Venables, W.V.. 2002. Ruby snapper stock assessment (western deepwater trawl fishery). ARF. 70pp.
42. Balber, S., **Dichmont, C.M.**, Loneragan, N. (not in order) et al. 2002. Scoping workshop on coastal fishery resources management of Goa. ACIAR, 50pp.
43. Taylor, B. and Dichmont, C.M (Eds). 2002. Fisheries Assessment Report 2000-2001. ARF. 102pp.
44. Blaber, S., **Dichmont, C.M.** *e al*. 2002. Stock assessment report of the Indonesian and Australian red-snapper shared stock workshop. ACIAR, 50pp.
45. **Dichmont, C.M.**, Burridge, C., Deng, A., Jones, P., Taranto, T., Toscas, P., Vance, D., Venables, W. 2002. Designing an integrated monitoring program for the NPF optimising costs and benefits. MIRF. 84pp.
46. Deng, A. and **Dichmont, C.M.** 2002. Status of tiger prawn stocks at the end of 2001. ARF. 6pp.
47. **Dichmont, C.M.**, Die, D., Punt, A.E., Venables, W., Bishop, J., Deng, A. and Dell, Q. 2001. Risk Analysis and Sustainability Indicators for Prawn Stocks in the Northern Prawn Fishery. FRDC 98/109. (Peer reviewed through an international review lasting 3 weeks)
48. **Dichmont, C.M.**, Deng, A. and Venables, W.N. 2001. Status of tiger prawn stocks at the end of 2000. ARF 71pp. (Peer reviewed through an international review lasting 3 weeks)
49. **Dichmont, C.M.** and Bishop, J. 2000. Status of tiger prawn stocks at the end of 1999. ARF. 8pp. (2)
50. **Dichmont, C.M.**, Dell, Q., Bishop J. and Deng, R. 2000. Alternative scenarios of changes in fishing power and the assessment of the status of tiger prawn stocks in the NPF. ARF. 5pp
51. Dichmont,C.M., Ellis,N. and Venables,W.V. 2000. Report to QFMA: A review of two models for effort allocation in Queensland’s trawl fishery. QFMA Confidential report.
52. **Dichmont, C.M.**, Haddon, M., Yeomans, K. and Kelly, K. 1999. Stock assessment Workshop FRDC 98/129
53. **Dichmont, C.M.**, Haddon, M., Yeomans, K. and Kelly, K. 1999. Proceedings of the south-east Queensland’s Stock Assessment Review Workshop. DPI Information Series. 200pp
54. Dredge, M.L. and **Dichmont, C.M.** 2000. Support for employment of stock assessment biologist: Queensland. FRDC 93/214.04 75pp.
55. Brown, I.W. Kirkwood, J., Gaddes, S., **Dichmont, C.M.** and Ovenden, J. 1999. Biology and stock assessment of the Queensland spanner crab, Ranina ranina. FRDC.
56. Hoyle, S., Brown, I.W., **Dichmont, C.M.** et. al. 2000. Integrated Stock Assessment and Monitoring Project. FRDC.
57. **Dichmont, C.M.** 1999. Assessment of the Queensland Stout whiting Resource – 1991-1999. TRAWL WHITING SAG May 1999.
58. **Dichmont, C.M.** 1998. Assessment of the Queensland Stout whiting Resource – 1991-1998. TRAWL WHITING SAG April 1998.
59. Dichmont,C.M. 1997. Assessment of the Queensland Stout whiting Resource – 1991-1996. TRAWL WHITING SAG 1997.
60. **Dichmont, C.M.** 1997. Research priorities for the Stock Assessment Program: Southern Fisheries Centre. QDPI and QFMA Managers.
61. **Dichmont, C.M.** 1996. Assessment of the Queensland Stout whiting Resource – 1991-1995. TRAWL WHITING SAG 1996.
62. **Dichmont, C.M.** 1996. A size-based model for the eastern Australian spanner crab (Ranina ranina) and subsequent harvest strategy analysis. CRAB SAG 1996
63. Stewart, T and Raubenheimer, C.M. 1995. Abalone survey design. WG/01/95/AB:1.
64. Raubenheimer, C.M. 1995. Zonal TAC Management Procedure. WG/07/95/AB:2.
65. Raubenheimer, C.M., Butterworth, D.S. & Cochrane, K. 1995. Setting future abalone catches and estimating current biomass. WG/06/95/AB:1
66. Raubenheimer, C.M. 1994. Evaluation of the South African South Coast Inshore trawl fishery. WG/03/94/D:3.
67. Raubenheimer, C.M. 1993. Comments on the assessment of Agulhas sole and inshore fishery. WG/10/93/D:S:24.
68. Raubenheimer, C.M. 1993. Growth estimates of abalone from tagging data. WG/04/93/AB:1.
69. Raubenheimer, C.M. 1993. Report on progress on the estimation of abalone natural survivorship. WG/03/93/AB:2.
70. Raubenheimer, C.M. 1993. Assessment of the Agulhas sole resource using an ad hoc tuned VPA. WG/10/93/D:S:24.
71. Raubenheimer, C.M. 1992. Assessment of the Agulhas sole resource using an ad hoc tuned VPA. WG/10/92/D:S:22.
72. Butterworth, D.S. & Raubenheimer, C.M. 1992. Evaluation of a precautionary Maximum Catch Limit for horse mackerel using the Beddington-Cooke approach. WG/10/92/D:HM:26.
73. Raubenheimer, C.M. & Punt, A.E. 1992. The relative biological merits of alternative minimum mesh-sizes for Agulhas sole. **WG/01/92/D:S:2**.

# Consultancies

1. **Dichmont, C.M**. 2019. Review of SEDAR 57 US Caribbean Spiny lobster review for the Center of Independent Experts. Cathy Dichmont Consulting, Brisbane. Australia. 44 pp.
2. **Dichmont, C.M.** 2018. Review of Qld spanner crab harvest strategy and Management Strategy Evaluation testing. Cathy Dichmont Consulting.
3. **Dichmont, C.M.** **2018**. Review of the 2017 Guam reef fish stock assessment for the center of independent experts. Cathy Dichmont Consulting, Brisbane. Australia. 60 pp.
4. **Dichmont, C.M.** 2017. Review for the Center of Independent Experts of length-based assessment methods of coral reef fish stocks in Hawaii and other U.S. Pacific territories. Honolulu, Hawaii, on Sept 8-11 2017.
5. **Dichmont, C.M.**, Review for the Center of Independent Experts of Bering Sea tanner crab stock assessment review. Seattle, 31 July to 3 August 2017
6. **Dichmont, C.M.** 2016. Review for the Center of Independent Experts of SEDAR 46 U.S. Caribbean data-limited species. Cathy Dichmont Consulting, Brisbane, Australia.
7. **Dichmont, C.M.** 2016. Review of the Victorian abalone stock assessment of 2015. Cathy Dichmont Consulting, Brisbane, 64 pp.
8. **Dichmont, C.M.** 2015. A review of length-based assessment methods of coral reef stocks in Hawaii and other U.S. Pacific Territories. Center of Independent Experts, Hawaii, 8-11 September 2015.
9. Buxton, C., **Dichmont, C.M.**, Mayfield, S., Plaganyi-Lloyd, E. 2015. A review of the abalone harvest strategies in Tasmania. 19-20 January 2015, Hobart, Australia.
10. **Dichmont, C.M.** 2015. Nylon Shrimp Review: Valparaiso, Chile 10-14 November, 2014. Consultancy report for Prepared for Dr Billy Ernst, Department of Oceanography, University of Concepción, 67 pp.
11. **Dichmont, C.M.** 2014. SARC 58 - Review of butterfish, tilefish and northern shrimp. Centre for Independent Experts, Woods Hole, 27-31 January 2014.
12. **Dichmont, C.M.** 2013. AFSC Rockfish Assessment Review in Juneau, Alaska 9-11 April, 2013. Centre of Independent Experts, Miami, USA. 49 pp.
13. Pascoe, S., Williams, L., Johnston, B., **Dichmont, CM.** 2011. Potential impacts of an effort unit reduction in the Queensland East Coast Trawl fishery. Commercial-in-confidence report to the Queensland Department of Employment, Economic Development and Innovation, CSIRO, 36 pp.
14. **Dichmont, C.M.** **2011**. SEDAR 26: Caribbean Queen snapper, silk snapper and redtail parrotfish Review 2011 *individual* report. Centre for Independent Experts, San Juan, Puerto Rico 17-21 October 2011.
15. Dichmont, C.M., Haist, J., Apostolaki, A., Garcia, R. 2011. SEDAR 26: Caribbean Queen snapper, silk snapper and redtail parrotfish Review 2011 panel report. Centre for Independent Experts, San Juan, Puerto Rico 17-21 October 2011.
16. Dichmont, C.M. 2011. Chesapeake Bay blue crab stock assessment review 2011. Centre for Independent Experts, Baltimore, Maryland, 29-31 March 2011.
17. Dichmont, C.M., Hall, N, Punt, AE. 2010. Report of the external reviewers to the 20-24 May 2010 western rock lobster workshop. Perth, Australia. 20-24 May 2010.
18. Dichmont, C.M. Western Pacific Fishery Management Council and Pacific Islands Fishery Science Centre external and independent review of the Hawaiian bottomfish stock assessment, Honolulu June 15-19 2009.
19. Knuckey, I., Dichmont C.M. 2009. Review of Baywide Annual Port Phillip Bay Trawl Program. Report to Fisheries Victoria. Fishwell Consulting and CSIRO.
20. Dichmont, C.M. Centre for Independent Experts, Review of Bering Sea Snow Crab NMFS, Seattle, January 2008.
21. Invited participant in abalone workshop on management options after catastrophic disease deaths. University of Melbourne, June 2007.
22. Invited participant in abalone workshop on management options 2 after catastrophic disease deaths. University of Melbourne, Dec 2008.
23. Venables, W., Dichmont, C.M., Toscas, P., Bishop, J., Ye, Y. and Deng, R. 2003. Report to NORMAC on Effort Trade-off Proposals for the NPF. MIRF 2003.
24. Dichmont, C.M., Ellis, N. and Venables, W.V. 2000. Report to QFMA: A review of two models for effort allocation in Queensland’s trawl fishery. QFMA Confidential report.

# CONFERENCES AND WORKSHOPS

*Within Australia workshops attended not listed; nor those within ACIAR projects in Indonesia, India and Papua New Guinea.*

* **Invited speaker** to American Fisheries Society Conference, Tampa, USA, 21-24 August 2017. Dichmont, C.M., Punt, A.E., Deng, R.A., Little, R. 2017. Improving Fisheries Science and Management Via Peer Review: An Australian Perspective.
* **Invited keynote to present** and assist with analyses at EU DRuMFISH Data limited Workshop, presented extended version of “From data rich to data-limited harvest strategies – does more data mean better management?”, 6-8 September, Barcelona, Spain.
* **Presented** at World Fisheries Congress, 23-27 May 2016, Busan, South Korea the paper “From data rich to data-limited harvest strategies – does more data mean better management?”.
* **Organising Committee and session chair** of ICES Symposium “Targets and Limits for Long Term Fisheries Management”, 27-30 October 2015, Athens, Greece.
* **Invited speaker** Tools and Strategies for Assessment and Management of Data-Limited Fish Stocks, 30th Lowell Wakefield Fisheries Symposium, Anchorage, May 12-May 15, 2015. Gave presentation entitled “Setting Management Measures Using Data-Limited Approaches­–Lessons Learnt”.
* Steering Committee Knowledge Based Bio-Economy second workshop on Knowledge Based Bio‐Economy (KBBE) workshop on MICE models, multispecies models, and harvest strategies for low information stocks. April 28th-May 1st, 2014, Wellington, New Zealand. Gave presentation entitled “Guidelines on developing and testing harvest strategies for data limited fisheries”.
* **Steering Committee and organised** Knowledge Based Bio-Economy first workshop on stock assessment and data poor harvest strategy methods, November 2013, Hobart, Tasmania, Australia. Gave presentation entitled “Using a length-based multiple-species bio-economic model to manage a fishery”.
* **Steering Committee** (also chaired session and attended) World Conference on Stock Assessment Methods for Sustainable Fisheries, 15th to 19th July 2013. Third author of poster entitled “Improving catch-prediction setting for tiger prawns in the Northern Prawn Fishery”.
* **Invited** to attend the workshop of “Implementation of an Ecosystem-based Approach to Fisheries Management – EAFM” - a collaborative initiative between the EU, Australia, Canada and New Zealand, 25-29 June 2012, Vigo, Spain. Gave 3 presentations.
* Presentation by Jenny Ovenden on “How genetics supports decision-making about the harvesting of wild fisheries” authors Jennifer R. Ovenden, Oliver Berry, David J. Welch, Rik C. Buckworth and **Cathy M. Dichmont** at the Australian Society of Fish Biology Conference, 15-18 July 2012, Adelaide, Australia.
* Presentation by David Welch on “Stakeholder views of the use of genetic tools in fisheries management” authors David J. Welch, Rik C. Buckworth, Jennifer R. Ovenden, Oliver Berry and **Cathy M. Dichmont** at the Australian Society of Fish Biology Conference, 15-18 July 2012, Adelaide, Australia.
* **Presented** on “Implementing Maximum Economic Yield in commercial fisheries using a prawn fishery as a case study” in the World Fisheries Congress, **7-11 May 2012**, Edinburgh, Scotland.
* **Invited to present** talk on “From Management Strategy Evaluation to evaluating management strategies” in a special session on MSEs in the World Fisheries Congress, **7-11 May 2012**, Edinburgh, Scotland.
* **Invited** to present to the International Conference on Conservation Biology 6-9 December 2011, Auckland entitled “Management Strategy Evaluation in Fisheries”
* **Invited** as expert to USA Crab PLAN workshop 13-14 May 2009 in Seattle on data weighting and diagnostics. Gave **presentation** on Australian examples.
* **Invited** to attend Managing Data-poor Fisheries: Case Studies, Models and Solutions Workshop in Berkeley 1-4 December 2008. Gave **presentation** on “A case study in successful management of a data-poor fishery using simple decision rules: the Queensland spanner crab fishery” and **submitted** paper (see above).
* **Invited** as part of Australian delegation to Taiwan on Fisheries and Aquaculture future possible collaboration in the Taiwan-Australia Aquaculture, Fisheries Resources and Management Forum IV 2008 17-21 November 2008. Gave **presentation** on “Fisheries Science in the Australian Commonwealth: progress towards ecosystem based fisheries management”.
* Pascoe, S, A. Punt and **C. Dichmont** 2008. Can fishers target individual species in Australia’s Northern Prawn Fishery? Implications for ITQs. Paper presented by Pascoe at ACE08, the 37th Australian Conference of Economists, Surfers Paradise, Queensland, 30 September to 3 October 2008.
* **Invited** to review the Bering Snow Crab Assessment, NMFS, January 2008 for the Centre of Independent Experts.
* Invited to consult for the abalone association in July and December 2007.
* **Invited** to attend a workshop between Canada and Australia entitled “CSIRO– DFO Maritimes Workshop on Comparative Approaches to Ecosystem Based Management” at the Hache Conference Centre, St. Andrews Biological Station, St. Andrew’s, New Brunswick, Canada from 3 to 5 October 2006. Gave **presentation** entitled: Incorporating economic objectives into MSE, assessments and harvest strategies
* **Presentation** at ICES conference on Fisheries Management Strategies in Galway, Ireland 27 to 30 July 2006 entitled: **Dichmont, C.M.**, Deng, A.R., Punt, A.E., Venables, W.N., Haddon, M. 2006. Management strategies of short-lived species: the case of Australia’s Northern Prawn Fishery
* **Invited** to give **presentation** at AIMS as well as GBMPA on my bio-economic and effects of trawling MSE.
* Invited to visit and give a **presentation** at RSMAS, University of Miami, May 2004.
* Invited to visit and give a **presentation** at NMFS, Miami, May 2004.
* Invited to visit and give a **presentation** at NMFS, Galveston, May 2004.
* Attended 3rd World Fish Congress. 2004. Vancouver May.
* Invited to attend Bevan Lecture Series, U. Washington, Seattle, 2004.
* Invited by FAO to attend and **present** talk at FAO Working Group on the Management of Deepwater Small-Scale Fisheries 27 – 29 November 2003 - University of Otago, Dunedin, New Zealand.
* **Presented** talk at EDFAM Conference “Life Histories, Assessment and Management of Crustacean Fisheries”, A Coruña, 8-12 October 2001. Published in refereed journal publication.
* Attended an ICES Symposium (1999) and ***presented*** a poster on *Confronting Uncertainty in the Evaluation and Implementation of Fisheries-Management Systems*.
* Visited stock assessment and management scientists at Food and Agriculture Organisation (FAO) in Rome, Italy; The Centre of Environment, Fisheries and Agriculture Science in Lowestoft, England and the Renewable Resources Assessment Group, Imperial College, London in 1999.
* Attended and **presented two** talks at the SFCA Stock Assessment Workshop at MAFRI in 1999.
* Attended the *Second World Fisheries Congress* between 28 July and 2 August 1996 in Brisbane. Also Workshop D on *Sustainability Indicators”* chaired by dr Joe Baker.
* Attended *Third Lobster Modelling Workshop* in Adelaide between 11 to 13 September.
* Also, the *Abalone Workshop* chaired by John and Laura Schnute between 16 and 17 September 1996 and presented work on South Africa abalone.
* Attended and ***presented*** talk on spanner crab models at the QDPI Biometry Workshop between 3 and 6 March 1997 in Hervey Bay.
* Attended and ***presented*** talk on spanner crab models and results at *1997 World Conference on Natural Resource Modelling* in Hobart between 15 and 18 December 1997.
* Participated in *TRAP Stock Assessment Workshop* in Cairns between 15 and 17 October 1997 in which available data on the gillnet fishery with special emphasis on barramundi was reviewed and models were developed.
* Participated in *Mathematics in Study Group Workshop* including work tabled on scallop management models between 2 and 6 February 1998.
* Attended workshop on *The Precautionary Principal* in South Africa in April 1998.
* Attended and **presented**talk at conference on "Modelling abalone in the new South Africa" at the *North Pacific Symposium on Invertebrate Stock Assessment and Management* between March 6-10, 1995 in Nanaimo, British Columbia, Canada.
* Visited Drs Pauly and Pitcher at the Fisheries centre in Vancouver, 1995 and **presented** a lengthened version of the symposium talk.
* Visited Dr R. Hilborn's Fisheries Research Centre section in Seattle, U.S.A. (1995) as well as NOAA and the Pacific Halibut Commission.
* Presented poster on the above seminar topic at the 8th South African Marine Science Symposium.
* Attended 3rd Benguela Ecology Program Conference in Cape Town, 1992 where my M.Sc. dissertation was presented as part of work done by S. Eekhout (see publications).
* Furthermore, work on the anchovy-cormorant model was presented by R. Crawford (see publications). The program was available at the conference, since it had a graphic hands-on user interface.

1. These 3 FAO publications are being externally reviewed. Some additional paid work to the Excel sheet has meant no Report number has been drawn [↑](#footnote-ref-1)