

Peer Reviewed Publications from the MEECE Consortium

- 1) Acuña JL, López-Urrutia A and Colin S, (2011). Faking Giants: The Evolution of High Prey Clearance Rates in Jellyfishes. *Science*, Vol. 333 no. 6049 pp. 1627-1629 DOI: 10.1126/science.1205134
- 2) Allen JI, Polimene L, (2011). Linking physiology to ecology: Towards a new generation of plankton models. *J. Plankton Res.* 33 (7): 989-997. doi: 10.1093/plankt/fbr032
- 3) Allen JI. *Marine Environment & Human Health: An Overview*; in *Marine Environment and Human Health* (Ed R Hester) Royal Society of Chemistry IEST Vol. 33. 2011
- 4) Andonegi E, Fernandes JA, Quincoces I, Irigoien X, Uriarte A, Pérez A, Howell D, and Stefánsson G, (2011). The potential use of a Gadget model to predict stock responses to climate change in combination with Bayesian networks: the case of Bay of Biscay anchovy. *ICES Journal of Marine Science*, 68: 1257–1269.
- 5) Årthun M, Ingvaldsen R, Smedsrud LH, Schrum C, (2011). Dense Water formation and circulation in the Barents Sea. *Deep Sea Research I* 58, 801-817
- 6) Årthun M, Schrum C, (2010). Ocean surface heat flux variability in the Barents Sea. *Journal of Marine Systems*, 83, 88-98. <http://www.sciencedirect.com/science/journal/09247963>
- 7) Årthun M, Bellerby RGJ, Omar AM, Schrum C, (2012). Air-sea CO₂ fluxes in the Barents Sea as determined from empirical relationships. *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2012.03.005.
- 8) Årthun M, Bellerby RGJ, Omar AM, Schrum C, (2012). Spatiotemporal variability of air-sea CO₂ fluxes in the Barents Sea, as determined from empirical relationships and modeled hydrography. *Journal of Marine Systems*. Volumes:98-99, 40-50
- 9) Banni M, Negri A, Mignone F, Boussetta H, Viarengo A, Dondero F, (2011). Gene Expression Rhythms in the Mussel *Mytilus galloprovincialis* (Lam.) across an Annual Cycle. *PLOS ONE* Volume: 6 Issue: 5 Article Number: e18904 DOI: 10.1371/journal.pone.0018904
- 10) Barthel K, Schrum C, Daewel U, Årthun M, Pushpadas D, (2011). Resolving frontal structures: On the computational costs and pay-off using a less diffusive but computational more expensive advection scheme. *Ocean Dynamics*, 62(10-12): 1457-1470. DOI 10.1007/s10236-012-0578-9. WP3 & WP4
- 11) Bernie D, Lowe J, Tyrrell T and Legge O, (2010). Influence of mitigation policy on ocean acidification. *Geophysical Research Letters*, VOL. 37, L15704, 5 PP. doi:10.1029/2010GL043181
- 12) Berx B, Dickey-Collar M, Skogen M, De Roeck Y-H, Klein H, Barciela R, Forster RM, Dombrowsky E, Huret M, Payne M, Sagarminaga Y, Schrum C, (2011). Does operational oceanography address the needs of fisheries and applied environmental scientists? *Oceanography*, 24, 166-171
- 13) Blackford JC, (2010). Predicting the impacts of ocean acidification: challenges from an ecosystem perspective. *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2009.12.016
- 14) Blanchard JL, Coll M, Trenkel VM, Vergnon R, Yemane D, Jouffre D, Link JS, Shin Y-J, (2010). Trend analysis of indicators: a comparison of recent changes in the status of marine ecosystems around the world. *ICES Journal of Marine Science*, 67: 732-744.
- 15) Borja A, Galparsoro I, Xabier I, Iriondo A, Menchaca I, Muxika I, Pascual M, Quincoces I, Revilla M, Rodríguez J.G, Santurtún M, Solaun O, Uriarte A, Valencia V and Zorita I, (2011). Implementation of the European Marine Strategy Framework Directive: a methodological approach for the assessment of environmental status, from the Basque Country (Bay of Biscay). *Marine Pollution*. 889–904

- 16) Bopp L, Resplandy L, Orr JC, Doney SC, Dunne JP, Gehlen M, Halloran P, Heinze C, Ilyina T, Séférian R, Tjiputra J, Vichi M, (2013). Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. *Biogeosciences Discussions* 10: 3627-3676.
- 17) Brunel T, Piet GJ, (2013). Is age structure a relevant criterion for the health of fish stocks? *ICES Journal of Marine Science. ICES J. Mar. Sci.* 70 (2): 270-283. doi: 10.1093/icesjms/fss184
- 18) Bueno J, Lopez-Urrutia A, (2012). The Offspring-Development-Time/Offspring-Number Trade-Off. *American Naturalist*, Volume: 179 Issue: 6, E196-E203 DOI: 10.1086/665652
- 19) Bundy A, Shannon LJ, Rochet MJ, Neira S, Shin YJ, Hill L, Aydin K, (2010). The Good(ish), the Bad and the Ugly: a tripartite classification of ecosystem trends. *ICES Journal of Marine Science*, 67: 745-768.
- 20) Bundy A, Coll M, Shannon LJ, Shin Y-J. (2012). Global assessments of the status of marine exploited ecosystems and their management: what more is needed? *Current Opinion in Environmental Sustainability*, 4: 292-299.
- 21) Butenschon M, Zavatarelli M, Vichi M, (2012). Sensitivity of a marine coupled physical biogeochemical model to time resolution, integration scheme and time splitting method. *Ocean Modelling*, Volume: 52-53, 36-53 DOI: 10.1016/j.ocemod.2012.04.008
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- 23) Chust G, Borja A, Caballero A, Liria P, Marcos M, Moncho R, Irigoien X, Saenz J, Hidalgo J, Valle M, Valencia V, (2011). Climate Change impacts on the coastal and pelagic environments in the southeastern Bay of Biscay. *Climate Research* 48 (CR Special 27). DOI: 10.3354/cr00914.
- 24) Coll M, Shannon LJ, Yemane D, Link JS, Ojaveer H, Neira S, Jouffre D, Labrosse P, Heymans JJ, Fulton EA, Shin YJ, (2010). Ranking the ecological relative status of exploited marine ecosystems. *ICES Journal of Marine Science*, 67: 769-786.
- 25) Daewel U, Temming A, Schrum C, (2011a). Towards a complex understanding of the life cycle of brown shrimp (*Crangon crangon*) in the German Bight: a modelling study, Accepted for publication, *Fisheries Oceanography*.
- 26) Daewel U, Myron P, Schrum C, (2011b). Life history strategy and impacts of environmental variability on early life stages of two marine fishes in the North Sea: an individual-based modelling approach. *Canadian Journal of Fisheries and Aquatic Sciences*, *Canadian Journal of Fisheries and Aquatic Sciences*, 68:426-443, 10.1139/F10-164.
- 27) Dagnino A, Sforzini S, Boatti L, Capri F, Oliveri C, Negri A, Dondero F, Viarengo A, (2010). Sub-lethal effects of copper combined with temperature stress in the marine mussel *Mytilus galloprovincialis*, *Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology*, Volume 157, Supplement 1, September 2010, Pages S38-S39, ISSN 1095-6433, 10.1016/j.cbpa.2010.06.111.
- 28) de Mora L, Butenschön M, Allen JI, (2012). How should sparse in situ measurements be compared to continuous model data? *Geosci. Model Dev. Discuss.*, 5, 2311-2345. doi:10.5194/gmdd-5-2311-2012
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- 30) Eero M, Köster FW, Vinther M, (2012). Why is the eastern Baltic cod recovering? *Marine Policy* 36, 235–240, doi:10.1016/j.marpol.2011.05.010
- 31) Eero M, Lindegren M, Köster FW, (2012). The state and relative importance of drivers of fish population dynamics: An indicator-based approach. *Ecological Indicators*, 15, 248 :252 [10.1016/j.ecolind.2011.09.035](https://doi.org/10.1016/j.ecolind.2011.09.035)

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- 35) Fiori E, Mazzotti M, Guerrini F, Pistocchi R, (2013). Combined effects of the herbicide terbuthylazine and temperature on different flagellates and a diatom from the Northern Adriatic Sea. *Aquatic Toxicology* (2013) 128-129: 79-90. DOI: 10.1016/j.aquatox.2012.12.001. ISSN: 0166-445X
- 36) Frigstad H, Andersen T, Hessen D O, Jeansson E, Skogen M, Naustvoll L J, Miles MW, Johannessen T, Bellerby RG (2013). Long-term trends in carbon, nutrients and stoichiometry in Norwegian coastal waters: evidence of a regime shift? *Prog. Ocean*, In Press. doi.org/10.1016/j.pocean.2013.01.006
- 37) Gomiero A, Sforzini S, Dagnino A, Nasci C, Viarengo A, (2012). The use of multiple endpoints to assess cellular responses to environmental contaminants in the interstitial marine ciliate *Euplotes crassus*. *Aquatic Toxicology*, 114-115:206-216. DOI [10.1016/j.aquatox.2012.02.030](https://doi.org/10.1016/j.aquatox.2012.02.030)
- 38) Gomiero A, Dagnino A, Nasci C, Viarengo A, (2013). The use of protozoa in ecotoxicology: application of multiple endpoint tests on the ciliate *E. crassus* for the evaluation of sediment quality in marine coastal ecosystems. *Science of the Total Environment*, 442:534-544.
- 39) Gutknecht E, Dadou I, Le Vu B, Cambon G, Sudre J, Garçon V, Machu E, Rixen T, Kock A, Flohr A, Paulmier A, Lavik G, (2010). Nitrogen transfer from the coast to the open ocean and with the atmosphere in the Namibian Upwelling System using a 3D coupled model. *Biogeosciences Discuss.*, 8, 3537-3618 doi:10.5194/bgd-8-3537-2011
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- 41) Henson SA, Sarmiento JL, Dunne JP, Bopp L, Lima I, Doney SC, John J, (2010). Detection of anthropogenic climate change in satellite records of ocean chlorophyll and productivity. *Biogeosciences* Volume: 7 Issue: 2 Pages: 621-640
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- 43) Holt J, Butenschön M, Wakelin SL, Artioli Y, Allen JI, (2011). Oceanic controls on the primary production of the northwest European continental shelf under recent past and potential future conditions. *Biogeosciences Discuss.*, 8, 8383-8422, 2011 www.biogeosciences-discuss.net/8/8383/2011/ doi:10.5194/bgd-8-8383-2011
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- 47) Jansen T, Kristensen K, Payne M, Edwards M, Schrum C, Pitois S, (2012). Long-term Retrospective Analysis of Mackerel Spawning in the North Sea: A New Time Series and Modeling Approach to CPR Data. *PLoSOne, Marine and Aquatic Sciences*, 7, DOI: 10.1371/journal.pone.0038758.
- 48) Kamel N, Attig H, Dagnino A, Boussetta H, Banni M, (2012). Increased Temperatures Affect Oxidative Stress Markers and Detoxification Response to Benzo[a]Pyrene Exposure in Mussel *Mytilus galloprovincialis*. *Archives of Environmental Contamination and Toxicology*, 63(4):534-543.
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- 50) Kownacka J, Edler L, Gromisz S, Łotocka M, Olenina I, Ostrowska M, Piwosz K, (2013). Non-indigenous species *Chaetoceros* cf. *lorenzianus* Grunow 1863 - A new, predominant component of autumn phytoplankton in the southern Baltic Sea. *Estuarine, Coastal and Shelf Science*, 1-11
- 51) Lindegren M, Möllmann C, Nielsen A, Brander K, MacKenzie BR, Stenseth NC, (2009). Ecological forecasting under climate change – the case of Baltic cod. *Proceedings of the Royal Society B - Biological Sciences*; doi:10.1098/rspb.2010.0353.
- 52) Link JS, Yemane D, Shannon LJ, Coll M, Shin YJ, Hill L, Borges MF, (2010). Relating Marine Ecosystem Indicators to Fishing and Environmental Drivers: An Elucidation of Contrasting Responses. *ICES Journal of Marine Science*, 67: 787-795.
- 53) Manno C, Morata N, Bellerby R, (2012). Effect of ocean acidification and temperature increase on the planktonic foraminifer *Neogloboquadrina pachyderma* (sinistral). *Polar Biology*, Volume: 35 Issue: 9, 1311-1319 DOI: 10.1007/s00300-012-1174-7
- 54) Moller KO, St John M, Temming A, Floeter J, Sell AF, Herrmann JP, Mollmann C, (2012). Marine snow, zooplankton and thin layers: indications of a trophic link from small-scale sampling with the Video Plankton Recorder. *Marine Ecology Progress Series*, Volume: 468, 57-69 DOI: 10.3354/meps09984
- 55) Moloney CL, St. John MA, Denman KL, Karl DM, Koster FW, Sundby S, Wilson RP, (2012). Weaving marine food webs from end-to-end under global change. *Journal of Marine Systems*, Volume 84, Issues 3–4, February 2011, Pages 106-116, ISSN 0924-7963, 10.1016/j.jmarsys.2010.06.012.
- 56) Morán XAG, López-Urrutia A, Calvo-Díaz A, Li W, (2010). Increasing importance of small phytoplankton in a warmer ocean. *Global Change Biology* 2010 Volume: 16, Issue: 3, Pages: 1137-1144
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At the time the MEECE project closed the following papers had been submitted for publications

1. Akoglu E, Salihoglu B, Libralato, S, Oguz, T, Solidoro C. An indicator-based evaluation of the Black Sea food web dynamics during 1960 - 2000. Submitted to *Journal of Marine Systems*, 2013.
2. Akoglu E, Salihoglu B, Libralato S, Oguz T, Solidoro C. A novel approach for coupling Ecopath with Ecosim in end-to-end ecosystem modelling frameworks. In Preparation
3. Artioli Y, Blackford JC, Nondal G, Bellerby RGJ, Wakelin SL, Holt J, Butenschön M, Allen JI. (submitted to *Biogeosciences*) Heterogeneity of impacts of high CO₂ on the North Western European Shelf
4. Artioli Y, Visentin E, Barausse A, Mazzoldi C. Which future for elasmobranch in the Northern Adriatic Sea? A perspective from historical data and predictive models. Submitted to *PlosONE*.
5. Artioli Y, Blackford JC, Butenschön M, Holt JT, Wakelin SL, Allen JI, (2011). The carbonate system of the NW European shelf: sensitivity and model validation. Submitted to *Journal of Marine Systems*
6. Banni M, Negri A, Oliveri C, Viarengo A. Transcriptomic changes in digestive gland of mussels exposed to nickel and heat stress. *Aquatic Toxicology* - In preparation
7. Banni M, Attig H, Negri A Viarengo A. Transcriptional expression levels and biochemical markers of oxidative stress in the Mediterranean mussel *Mytilus galloprovincialis* exposed to nickel and acute thermal stress. In preparation
8. Beecham J, Jorn Bruggeman, John Aldridge, Steven Mackinson An approach for coupling higher and lower levels in marine ecosystem models and its application to the North Sea. Submitted to *Ecological Modelling*.

9. Brunel T, Piet G, (2013). Is age-structure a relevant criterion for the health of fish stocks? Accepted ICES Journal of Marine Science.
10. Cannaby H, Korkmaz A, Salihoglu B. (2013) Inter-annual and multi annual variability in the water column structure of the Black Sea (1960-2001). In Preparation
11. Cannaby H. (2013) Statistical correction of ERA40 and CGM generated Black Sea wind fields using a Cumulative Distribution Transform method: Implications for model performance. In Preparation
12. Cannaby H, Fach B, Kubriyakov A, Dorofeev, V. and Salihoglu B. (2013) Physical controls on LTL dynamics of the Black Sea under present day conditions and a potential future climate scenario. In preparation
13. Chifflet M, Rubio A, Ferrer L. Modelling the hydrological seasonal cycle and mean circulation in the Bay of Biscay (North Atlantic): emphasis on the slope current variability in spring. (In preparation). WP3
14. Chust G, Allen JI, Bopp L, Schrum C, Holt J, Tsiaras K, Zavatarelli M, Chifflet M, Cannaby H, Dadou I, Skogen M (to confirm), Daewel U, Wakelin S, Shin Y-J, Machu E, Butenschon M, Artioli Y, Beecham J, Fach B, Salihoglu B, Neuenfeldt S, Akoglu E, Clementi E, Smith C, Petihakis G, Fraile I, Irigoien X. Comparison of ecosystem response to climate change projections at global and regional scales. (In preparation, to be submitted in a Special Issue in Progress in Oceanography). WP3
15. Daewel U, Myron P, Schrum C. Understanding species-specific impacts of climate variability on marine fish species: Individual-based modelling of early life stages of North Sea cod and sprat. Submitted to Canadian Journal of Fisheries and Aquatic Sciences.
16. Daewel, U., Hjøllø, S. Sætre, Huret, M., Ji, R., Maar, M., Niiranen, S Travers-Trolet, M., Peck, M. A., van de Wolfshaar, K. E. Trophic control of zooplankton dynamics: a review on observations and models. Submitted to ICES Journal of Marine Science
17. Daewel, U and Schrum, C. Simulating long-term dynamics of the coupled North and Baltic Sea ecosystem with ECOSMO II: model description and validation. Submitted to Journal of Marine Systems.
18. Dadou I, Machu E, Le Vu B, Goubanova K, Gutknecht E, Garçon V, Dewitte B, Cambon G, Veitch J. Potential impact of climate change in the Benguela upwelling system using model experiments under present conditions and a potential future scenario, in prep.
19. Dagnino A, Viarengo A. Development of a Decision Support System to manage contamination in marine ecosystems. Submitted to Science of the Total Environment.
20. Fach B, Cannaby H. (2013) Sensitivity of a LTL model of the Black Sea to physical forcing. In Preparation
21. Fach B, Cannaby C, Dorofeev V, Salihoglu B, Oguz T. Interannual and regional variability in ecosystem dynamics in the Black Sea. In Preparation
22. Findlay HS, Artioli Y, Moreno Navas J, Hennige S, Wicks L, Huvenne VAI, Woodward EMS, Roberts JM. (submitted to Global Change Biology) Tidal downwelling and implications of future ocean acidification and warming on cold-water coral reefs.
23. Gomiero A, Dagnino, Viarengo A. Heat stress effects on toxicity of copper and oxytetracycline on the marine biological model *Euplotes crassus* in a climate change perspective. Submitted to Chemosphere
24. Gutknecht E, Dadou I, Le Vu B, Cambon G, Sudre J, Garçon V, Machu E, Rixen T, Kock A, Flohr A, Paulmier A, Lavik G. Coupled physical-biogeochemical modelling including O₂-dependent processes in the Eastern Boundary Upwelling Systems: application in the Benguela. Submitted to Biogeosciences

25. Gutknecht E, Dadou I, Marchesiello P, Cambon G, Le Vu B, Sudre J, Garçon V, Machu E, Rixen T, Kock A, Flohr A, Paulmier A, Lavik G, (2012). Nitrogen transfers off Walvis Bay: a 3-D coupled physical/biogeochemical modeling approach in the Namibia Upwelling System. *Biogeosciences*, in revision.
26. Gutknecht E, Dadou I, Le Vu B, Marchesiello P, Cambon G, Sudre J, Garçon V, Machu E, Rixen T, Kock A, Flohr A, Paulmier A, Lavik G. Influence of key parameters on processes associated with the Oxygen Minimum Zone in the upwelling system off Namibia using a 3-D model, in prep.
27. Le Vu B, Gutknecht E, Machu E, Dadou I, Paulmier A, Garçon V, Sudre J, Veitch J. Physical and Biogeochemical processes maintaining the Oxygen Minimum Zone of the Benguela Upwelling System using an eddy resolving model. To be submitted, *JMR* by September 2011.
28. Llope M, Licandro P, Stige LC, Chanc K-S, John AWG, Lindley JA, Stenseth NC. Spatio-temporal dynamics of the North Sea plankton functional groups over the last 50 years. Submitted to *Limnology & Oceanography*.
29. Machu E, Le Vu B, Goubanova K, Gutknecht E, Garçon V. Regional simulation of an eastern boundary current in the framework of a climate change scenario, in prep.
30. Mackinson S. (2013). Combined analyses reveal strong support for environmental drivers of change in the North Sea ecosystem and questions what makes an ecosystem models' performance credible? *Canadian Journal of Fisheries and Aquatic Sciences (submitted)WP4*
31. Mackinson S. Empirical and model-based evidence explain long-term changes in the North Sea ecosystem linked to environmental change. In prep
32. Myksovoll MS, Sundby S, Ådlandsvik B, Vikebø FB, (2009). Physical mechanisms causing retention of cod eggs in a fjord system. *Fisheries Oceanography (Submitted)*
33. Negri A, Oliveri C, Sforzini S, Mignone F, Viarengo A, Banni M. Transcriptional response of the mussel *Mytilus galloprovincialis* (Lam.) following exposure to heat stress and copper. *PLOS One in Press*
34. Sánchez S, Ibaibarriaga L, Chifflet M, Uriarte A, Irigoien X, Chust G. Management of the Bay of Biscay anchovy under climate change (In prep. for *Fisheries Research*).
35. Saux-Picart S, Allen JI, Butenschön M, Artioli Y, de Mora L, Wakelin SL, Holt JT What can ecosystem models tell us about the risk of eutrophication in the North Sea? Submitted to *Climatic Change*
36. Skogen MD, Drinkwater K, Hjøllø S, Schrum C. Climate change and marine environment: North Sea sensitivity to atmospheric forcing. Submitted to *Journal of Marine Systems*.
37. Smith MD, Fulton EA, Day RW, Shannon LJ, Shin YJ. To be submitted March 2013. Ecosystem modelling in the southern Benguela: comparisons of Atlantis, Ecopath with Ecosim, and OSMOSE under fishing scenarios. *Journal of Marine Systems*.
38. Tsiaras K, Petihakis G, Kourafalou VH, Triantafyllou G, (2013). Impact of the river nutrient load variability on the N. Aegean ecosystem functioning over the last decades. Submitted to *Journal of Sea Research*.
39. Travers M, Shin YJ, Shannon LJ, Moloney C, Field J. To be submitted March 2013. Interaction of fishing and climate forcing in the Benguela upwelling foodweb: a coupled ecosystem modelling approach. *Progress in Oceanography*.
40. Utne KR, Hjøllø SS, Huse G, Skogen M. Submitted. Simulating interactions between fish and zooplankton in the Norwegian Sea using a fully coupled 3D model system. *Marine Biology Research*.
41. Utne KR. et al. Annual consumption of *Calanus finmarchicus* by planktivorous fish in the Norwegian Sea estimated from a coupled 3D model system. Accepted for publication in *Marine Biological research*.

42. Vazquez-Dominguez E, Morán XAG, Lopez-Urrutia A . Photoacclimation and primary production of picophytoplankton in the central Cantabrian Sea (under review) in Marine Ecology Progress Series
43. Yakushev, E, Daae, KL, Schrum, C, Daewel, U, Nizzetto, L, Borgå, K. Modelling of the role of organic matter in the PCB water column structure formation in the North Sea. Submitted to Journal of Marine Systems.

Additional reports of the Consortium

1. Augustyn J, Petersen S, Shannon LJ, Hamukuaya, H. Implementation of EAF in the Benguela Current LME area. Chapter 18, Governance for Fisheries and Marine Conservation: Interactions and co-evolution, Garcia, Rice and Charles (Eds). To be published in 2013.
2. Akoglu E. (2013) End-to-end analysis of the Black Sea ecosystem during 1960-2010. Ph.D. Thesis. Middle East Technical University, Institute of Marine Science.
3. Sharples J, Holt J, Dye S. 2012-13 MCCIP Report Card: Shelf Sea Stratification. www.mccip.org.uk/ukarc
4. Beecham JA, Bruggeman J, Aldridge JN, Mackinson S. (2010). Linking Biogeochemical and Upper Trophic Level Models using an Xml based Semantic Coupler. ICES CM 2010/ L02.
5. Cardoso AC, Cochrane S, Doerner H, Ferreira JG, Galgani F, Hagebro C, Hanke G, Hoepffner N, Keizer PD, Law R, Olenin S, Piet G J, Rice J, Rogers SI, Swartenbroux F, Tasker ML, van de Bund W, (2010). Scientific support to the European Commission on the marine strategy framework directive. Joint Report. EUR 24336. ISBN 978-92-79-15649-6. ISSN 1018-5593. DOI 10.2788/86430. Luxembourg: Office for Official Publications of the European Communities. 65 pp.
6. Cecchini LA. (2012). Robben Island Penguin Pressure Model: A Decision Support Tool for an Ecosystems Approach to Fisheries Management. Dissertation presented for the degree of Master of Science in the Department of Statistical Sciences University of Cape Town.128 pp.
7. Green NW, Heldal HE, Måge A, Aas W, Gåfvert T, Schrum C, Boitsov S, Breivik K, Iosjpe M, Yakushev E, Skogen M, Høgåsen T, Eckhardt, S, Bjørkenes Christiansen A, Daae KL, (2012). Tilførselsprogrammet 2011. Overvåking av tilførsler og miljøtilstand i Norskehavet. Klima- og forurensningsdirektoratet (Klif), Rapport TA 2935/2012. NIVA rapport 6360-2012. ISBN 978-82-577-6095-3. WP4 relevance
8. Green, NW, Heldal HE, Måge A, Aas W, Gafvert T, Schrum C, Boitsov S, Breivik K. Iosjpe M, Yakushev E, Skogen M, Høgåsen T, Eckhard A, Christiansen AB, Daae KL, Durand D, Debolskaya E, (2011). Tilførselsprogrammet 2010. Overvåking av tilførsler og miljøtilstand i Nordsjøen. Klima- og forurensningsdirektoratet (Klif), Rapport TA 2810/2011. NIVA rapport 6187-2011. ISBN 978-82-577-577-5992-3 IPCS 1992
9. Green NW, Molvær J, Kaste Ø, Schrum C, Yakushev E, Sørensen K, Allan I, Høgåsen T, Christiansen AB, Heldal HE, Klungøy J, Boitsov S, Børsheim KY, Måge A, Julshamn K, Aas W, Braathen OA, Breivik K, Eckhardt S, Rudjord AL, Iosjpe M, Brungot AL, (2010). Tilførselsprogrammet 2009. Overvåking av tilførsler og miljøtilstand i Barentshavet og Lofotenområdet. Klima- og forurensningsdirektoratet (Klif), Rapport TA 2660/2010. NIVA rapport 5980-2010. ISBN 978-82-577-5715-1. 245 sider.
10. Fiori E, (2013). Phytoplankton response to environmental variables and organic pollutants. Laboratory cultures and numerical simulations experiments. PhD Thesis, Alma Mater Studiorum, University of Bologna, Italy.
11. Korkmaz A. (2011) The impact of climate variability on the physical properties of the black sea for the period 1971 – 2001 M.Sc. thesis Middle East Technical University, Institute of Marine Science.
12. Mc Gregor ES. (a). Evaluating the implementation efficacy of an Ecosystems Approach to Fisheries management in the South African sardine fishery, Chapter 2: Indicator selection and time series,

44p. PhD thesis in prep for submission, August 2013. MA-RE Institute, University of Cape Town, South Africa.

13. Mc Gregor ES. (b). Evaluating the implementation efficacy of an Ecosystems Approach to Fisheries management in the South African sardine fishery, Chapter 3: Indicator thresholds and combining indicators into a decision support tool, 35 p. PhD thesis in prep for submission, August 2013. MA-RE Institute, University of Cape Town, South Africa.
14. Osman W, (2011). Trophic model-generated indicators of the southern Benguela ecosystem for communicating with fisheries managers. Masters thesis submitted for examination. 155 pp. including appendices.
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16. Schrum C, Daewel U, Pushpadas D. Modelling Marine Ecosystems in a Changing Climate (2012). META magazine from the Norwegian metacentre for computational science 2012-1.
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18. Olenin S, Zaiko A, Lehtiniemi M, (2012). Biopollution level index. HELCOM Core Indicator Report. Online. [2013-03-21], http://www.helcom.fi/BSAP_assessment/ifs/ifs2012/en_GB/Biopollution/
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21. Olenin S, Naršcius A, (2010). "Beaufort Scale" for bioinvasion impacts. Aliens: The Invasive Species Bulletin. Newsletter of the IUCN/SSC Invasive Species Specialist Group. ISSN 1173-5988, 29: 52-54
22. Olenin S, Minchin D, (2010). Introductions of non-indigenous species to coastal and estuarine systems: pathways and implications for environmental quality. In: Treatise on Estuarine and Coastal Science. Volume 8: Human-induced Changes in Coastal and Estuarine Regions. (Springer).