GreenMAR publications

1. Paasche, Ø., **Österblom, H**., Neuenfeldt, S., Bonsdorff, E., Brander, K., Conley, D. J., ... & **Stenseth, N. C**. (2015). Connecting the seas of norden. Nature Climate Change, 5(2), 89-92.
2. Weigel, B., Andersson, H. C., Meier, H. M**., Blenckner, T.,** Snickars, M., & Bonsdorff, E. (2015). Long-term progression and drivers of coastal zoobenthos in a changing system. Mar Ecol Prog Ser, 528, 141-159.
3. **Blenckner T**, **Llope M**, Möllmann C, Voss R, Quaas MF, Casini M, Lindegren M, **Folke C**, **Stenseth NC** (2015). Climate and fishing steer ecosystem regeneration to uncertain economic futures. Proceedings of the Royal Society of London B: Biological Sciences, 282(1803), 20142809.
4. **Blenckner, T**., A. Kannen, A. Barausse, C. Fischer, J. J. Heymans, T. Luisetti,V. Todorova, **M. Valman** and L. Mee. (2015). Past and future challenges in managing European seas. Ecology and Society, 20(1), 40.
5. Lade, S. J., **Niiranen, S.,** & Schlüter, M. (2015). Generalized modeling of empirical social-ecological systems. arXiv preprint arXiv:1503.02846.
6. Lade SJ, **Niiranen S**, Hentati-Sundberg J, **Blenckner T, Boonstra WJ,** Orach K, Quaas MF, **Österblom H**, Schlüter M. (2015). An empirical model of the Baltic Sea reveals the importance of social dynamics for ecological regime shifts.Proceedings of the National Academy of Sciences, 112(35), 11120-11125.
7. Humborg, C., Andersen, H. E., **Blenckner, T.,** Gadegast, M., Giesler, R., Hartmann, J., ... & Weyhenmeyer, G. (2015). Environmental Impacts—Freshwater Biogeochemistry. In Second Assessment of Climate Change for the Baltic Sea Basin (pp. 307-336). Springer International Publishing.
8. Downing, A. S., Hajdu, S., Hjerne, O., Otto, S. A., **Blenckner, T.,** Larsson, U., & Winder, M. (2014). Zooming in on size distribution patterns underlying species coexistence in Baltic Sea phytoplankton. Ecology letters, 17(10), 1219-1227.
9. **Valman, M**., Duit, A., **& Blenckner, T.** (2014). HELCOM, we have a problem: gradually unfolding crises and problem detection in international organisations.Global Environmental Change.
10. Rocha, J., Yletyinen, J., Biggs, R., **Blenckner, T**., & Peterson, G. (2015). Marine regime shifts: drivers and impacts on ecosystems services. Philosophical Transactions of the Royal Society of London B: Biological Sciences, 370(1659), 20130273.
11. Möllmann, C., Lindegren, M., **Blenckner, T.,** Bergström, L., Casini, M., Diekmann, R., ... & Gårdmark, A. (2014). Implementing ecosystem-based fisheries management: from single-species to integrated ecosystem assessment and advice for Baltic Sea fish stocks. ICES Journal of Marine Science: Journal du Conseil, 71(5), 1187-1197.
12. Viitasalo, M., **Blenckner, T.,** Gårdmark, A., Kaartokallio, H., Kautsky, L., Kuosa, H., ... & Wikner, J. (2015). Environmental Impacts—Marine Ecosystems. InSecond Assessment of Climate Change for the Baltic Sea Basin (pp. 363-380). Springer International Publishing.
13. Elmgren, R., **Blenckner, T.,** & Andersson, A. (2015). Baltic Sea management: Successes and failures. AMBIO, 44(3), 335-344.
14. **Blenckner, T., Österblom, H.,** Larsson, P., Andersson, A., & Elmgren, R. (2015). Baltic Sea ecosystem-based management under climate change: Synthesis and future challenges. Ambio, 44(3), 507-515.
15. Selkoe, K. A., **Blenckner, T.,** Caldwell, M. R., Crowder, L. B., Erickson, A. L., Essington, T. E., ... & Zedler, J. (2015). Principles for managing marine ecosystems prone to tipping points. Ecosystem Health and Sustainability, 1(5), art17.
16. Burgess, M. G., **Diekert, F. K.,** Jacobsen, N. S., Andersen, K. H., & Gaines, S. D. (2015). Remaining questions in the case for balanced harvesting. Fish and Fisheries.
17. Kubisch, A., **Winter, A. M**., & Fronhofer, E. A. (2015). The downward spiral: eco‐evolutionary feedback loops lead to the emergence of ‘elastic’ranges.Ecography.
18. Nicolas, D., Rochette, S., **Llope, M.,** & Licandro, P. (2014). Spatio-temporal variability of the North Sea cod recruitment in relation to temperature and zooplankton. PloS one, 9(2), e88447.
19. Otto, S. A., Kornilovs, G., **Llope, M.**, & Möllmann, C. (2014). Interactions among density, climate, and food web effects determine long-term life cycle dynamics of a key copepod. Marine Ecology Progress Series, 498, 73-U408.
20. **Durant, J. M.,** Skern-Mauritzen, M., Krasnov, Y. V., Nikolaeva, N. G., Lindstrøm, U., & Dolgov, A. (2014). Temporal dynamics of top predators interactions in the Barents Sea.
21. **Romagnoni, G**., Mackinson, S., Hong, J., & **Eikeset, A. M.** (2015). The Ecospace model applied to the North Sea: Evaluating spatial predictions with fish biomass and fishing effort data. Ecological Modelling, 300, 50-60.
22. Dunlop, E. S., **Eikeset, A. M., & Stenseth, N. C.** (2015). From genes to populations: how fisheries-induced evolution alters stock productivity.Ecological Applications.
23. **Richter, A.,** & Dakos, V. (2015). Profit fluctuations signal eroding resilience of natural resources. Ecological Economics, 117, 12-21.
24. **Boonstra, W. J.,** & Hentati‐Sundberg, J. (2014). Classifying fishers' behaviour. An invitation to fishing styles. Fish and Fisheries.
25. **Boonstra, W. J.,** & **Österblom, H.** (2014). A chain of fools: or, why it is so hard to stop overfishing. Maritime Studies, 13(1), 1-20.
26. **Watson, J. R**., Stock, C. A., & Sarmiento, J. L. (2014). Exploring the role of movement in determining the global distribution of marine biomass using a coupled hydrodynamic–Size-based ecosystem model. Progress in Oceanography.
27. Varjopuro, R, E. Andrulewicz, **T. Blenckner**, T. Dolch , A-S. Heiskanen, M. Pihlajamäki, U. S. Brandt, **M. Valman**, K. Gee, T. Potts & I. Psuty. (2014). Coping with persistent environmental problems: systemic delays in Reducing eutrophication of the Baltic Sea.Ecology and Society, 19 (4), 48.
28. **Valman, M., Österblom, H**., & Olsson, P. (2015). Adaptive governance of the Baltic Sea-lessons from elsewhere. International Journal of the Commons, 9(1), 440-465.
29. **Valman, M.** (2014). Beliefs and behavior in international policymaking: longitudinal changes in the governance of the Baltic Sea. Environmental Policy and Governance.
30. Lade, S. J., **Niiranen, S.**, Hentati-Sundberg, J**., Blenckner, T., Boonstra, W. J.,** Orach, K., ... & **Schlüter, M.** (2015). An empirical model of the Baltic Sea reveals the importance of social dynamics for ecological regime shifts.Proceedings of the National Academy of Sciences, 112(35), 11120-11125.
31. Meier, H. M., Andersson, H. C., Arheimer, B., Donnelly, C., Eilola, K., Gustafsson, B. G., ... & Zorita, E. (2014). Ensemble modeling of the Baltic Sea ecosystem to provide scenarios for management. Ambio, 43(1), 37-48.
32. Daewel, U., Hjøllo, S. S., Huret, M., Ji, R., Maar, M., **Niiranen, S.**, ... & van de Wolfshaar, K. E. (2014). Predation control of zooplankton dynamics: a review of observations and models. ICES Journal of Marine Science: Journal du Conseil,71(2), 254-271.
33. Schultz, L., **Folke, C., Österblom, H.,** & Olsson, P. (2015). Adaptive governance, ecosystem management, and natural capital. Proceedings of the National Academy of Sciences, 112(24), 7369-7374.
34. **Österblom, H., & Folke, C.** (2015). Globalization, marine regime shifts and the Soviet Union. Philosophical Transactions of the Royal Society of London B: Biological Sciences, 370(1659), 20130278.
35. Eriksson, H., **Österblom, H.,** Crona, B., Troell, M., Andrew, N., Wilen, J., & **Folke, C.** (2015). Contagious exploitation of marine resources. Frontiers in Ecology and the Environment, 13(8), 435-440.
36. Crona, B. I., Daw, T. M., Swartz, W., **Norström, A. V.,** Nyström, M., Thyresson, M., ... & Troell, M. (2015). Masked, diluted and drowned out: How global seafood trade weakens signals from marine ecosystems. Fish and Fisheries.
37. Merrie, A., Dunn, D. C., Metian, M., Boustany, A. M., Takei, Y., Elferink, A. O., ... & **Österblom, H.** (2014). An ocean of surprises–Trends in human use, unexpected dynamics and governance challenges in areas beyond national jurisdiction. Global Environmental Change, 27, 19-31.
38. Troell, M., Naylor, R. L., Metian, M., Beveridge, M., Tyedmers, P. H., **Folke, C**., ... & de Zeeuw, A. (2014). Does aquaculture add resilience to the global food system?. Proceedings of the National Academy of Sciences, 111(37), 13257-13263.
39. Hentati-Sundberg, J., Hjelm, J., **Boonstra, W. J., & Österblom, H.** (2015). Management forcing increased specialization in a fishery system. Ecosystems,18(1), 45-61.
40. **Österblom, H.** (2014). Catching up on fisheries crime. Conservation Biology,28(3), 877-879.
41. Hentati-Sundberg, J., Hjelm, J., & **Österblom, H.** (2014). Does fisheries management incentivize non-compliance? Estimated misreporting in the Swedish Baltic Sea pelagic fishery based on commercial fishing effort. ICES Journal of Marine Science: Journal du Conseil, fsu036.
42. Norström, A. V., Dannenberg, A., McCarney, G., Milkoreit, M., **Diekert, F.,** Engström, G., ... & Sjöstedt, M. (2014). Three necessary conditions for establishing effective Sustainable Development Goals in the Anthropocene.Ecology and Society, 19(3), 8.
43. Hinkel, J., Cox, M. E., **Schlüter, M.,** Binder, C. R., & Falk, T. (2015). A diagnostic procedure for applying the social-ecological systems framework in diverse cases. Ecology and Society, 20(1).
44. Olafsson, S., Cook, D., **Davidsdottir, B.,** & Johannsdottir, L. (2014). Measuring countries׳ environmental sustainability performance–A review and case study of Iceland. Renewable and Sustainable Energy Reviews, 39, 934-948.
45. Lomas, M. W., **Bonachela, J. A.**, **Levin, S. A.,** & Martiny, A. C. (2014). Impact of ocean phytoplankton diversity on phosphate uptake. Proceedings of the National Academy of Sciences, 111(49), 17540-17545.
46. Arrow, K. J., Ehrlich, P. R., & **Levin, S. A.** (2014). Some Perspectives on Linked Ecosystems and Socio-Economic Systems. Environment and Development Economics: Essays in Honour of Sir Partha Dasgupta, 95.
47. Martın, P. V., **Bonachela, J. A., Levin, S. A**., & Munoz, M. A. (2015). Is it possible to elude catastrophic shifts?.
48. McCauley, D. J**., Pinsky, M. L.,** Palumbi, S. R., Estes, J. A., Joyce, F. H., & Warner, R. R. (2015). Marine defaunation: Animal loss in the global ocean.Science, 347(6219), 1255641.
49. **Pinsky, M. L.,** & Palumbi, S. R. (2014). Meta‐analysis reveals lower genetic diversity in overfished populations. Molecular ecology, 23(1), 29-39.
50. **Pinsky, M. L.,** & Byler, D. (2015, August). Fishing, fast growth and climate variability increase the risk of collapse. In Proc. R. Soc. B (Vol. 282, No. 1813, p. 20151053). The Royal Society.
51. Fuller, E., Brush, E., & **Pinsky, M. L.** (2015). The persistence of populations facing climate shifts and harvest. Ecosphere, 6(9), art153.
52. **Klinger, D. H.,** Dale, J. J., Machado, B. E., Incardona, J. P., Farwell, C. J., & Block, B. A. (2015). Exposure to Deepwater Horizon weathered crude oil increases routine metabolic demand in chub mackerel, Scomber japonicus.Marine pollution bulletin, 98(1), 259-266.
53. **Bonachela, J. A**., Klausmeier, C. A., Edwards, K. F., Litchman, E., & **Levin, S. A.** (2015). The role of phytoplankton diversity in the emergent oceanic stoichiometry. Journal of Plankton Research, fbv087.
54. **Boonstra, W. J.**, Ottosen, K. M., Ferreira, A. S. A., Richter, A., Rogers, L. A., Pedersen, M. W., ... & Whittington, J. D. (2015). What are the major global threats and impacts in marine environments? Investigating the contours of a shared perception among marine scientists from the bottom-up. *Marine Policy*,*60*, 197-201.
55. Uusitalo, L., Korpinen, S., Andersen, J. H., **Niiranen, S**., Valanko, S., Heiskanen, A. S., & Dickey-Collas, M. (2015). Exploring methods for predicting multiple pressures on ecosystem recovery: A case study on marine eutrophication and fisheries. *Continental Shelf Research*.
56. Conversi, A., V. Dakos, A. Gårdmark, S. Ling, **C. Folke**, P. Mumby, C. Greene, M. Edwards, **T. Blenckner**, M. Casini, A. Pershing & C. Möllmann. 2015. A Holistic View of Marine Regime Shifts that Spans Multiple Ecosystems and Stressors. Philosophical Transactions of the Royal Society of London, B: Biological SciencesDOI: 10.1098/rstb.2013.0279.
57. T. **Dunse**, T. Schellenberger, J. O. Hagen, A. Kääb, T. V. Schuler, and C. H. Reijmer. Glacier-surge mechanisms promoted by a hydro-thermodynamic feedback to summer melt. 2015. The Cryosphere, 9, 197-215, 2015
58. Olsson, P., Galaz, V., & **Boonstra, W. J.** 2014. Sustainability transformations: a resilience perspective. Ecology and Society, 19(4) 1.