

2c. Literature references (extended)

A1

1. Barradas Berglind, J. D. J., Dijkstra, H. T., Wei, Y., van Rooij, M., Meijer, H., Prins, W., Vakis, A., Jayawardhana, B. (2018). Revenue maximisation and storage utilisation for the Ocean Grazer wave energy converter: A sensitivity analysis. *IET Renewable Power Generation*, 12(11), 1241-1248.
2. Wei, Y., Barradas Berglind, J. D. J., Yu, Z., van Rooij, M., Prins, W., Jayawardhana, B., & Vakis, A. I. (2018). Frequency-Domain Hydrodynamic Modelling of Dense and Sparse Arrays of Wave Energy Converters. *Renewable Energy*.
3. Tay, Z.Y., Y. Wei & A.I. Vakis, *Energy Extraction of Pontoon-Type Wave Energy Converter*, OMAE 2018, Madrid, Spain, 17-22 June 2018
4. Wang, R., Y. Wei, M. van Rooij, W.A. Prins, B. Jayawardhana & A.I. Vakis, *Influence of a taut cable on the performance of a point-absorber wave energy converter*, OMAE 2018, Madrid, Spain, 17-22 June 2018
5. Wei, Y., M.Z. Almuzakki, J.J. Barradas-Berglind, R. Wang, M. van Rooij, W.A. Prins, B. Jayawardhana & A.I. Vakis, *A Fourier approximation method for the Multi-Pump Multi-Piston Power Take-Off System*, OMAE 2018, Madrid, Spain, 17-22 June 2018
6. Almuzakki, M.Z., J.J. Barradas-Berglind, Y. Wei, M. Munoz-Arias, A.I. Vakis & B. Jayawardhana, *A port-Hamiltonian Approach to Cummins' Equation for Floater Arrays with Linear Power Take-Off Systems*, IFAC-PapersOnLine, 2018, 51(3)
7. Wei, Y., J.J. Barradas-Berglind, M. van Rooij, W.A. Prins, B. Jayawardhana & A.I. Vakis (2017), *Investigating the Adaptability of the Multi-Pump Multi-Piston Power Take-Off System for a Novel Wave Energy Converter*, *Renewable Energy*, 111
8. Wei, Y., J.J. Barradas-Berglind, M. van Rooij, W.A. Prins, B. Jayawardhana & A.I. Vakis, *A Frequency-Domain Model for a Novel Wave Energy Converter*, EWTEC 2017, Cork, Ireland, 27 August-2 September 2017
9. Barradas-Berglind, J.J., M. Munoz-Arias, Y. Wei, W.A. Prins, A.I. Vakis & B. Jayawardhana, *Towards Ocean Grazer's Modular Power Take-Off System Modelling: a Port-Hamiltonian Approach*, IFAC-PapersOnLine, 2017, 50(1) (Invited paper)
10. Vakis, A.I. & J.S. Anagnostopoulos (2016), *Mechanical design and modeling of a single-piston pump for the novel power take-off system of a wave energy converter*, *Renewable Energy*, 96(Part A)
11. Dijkstra, H.T., J.J. Barradas-Berglind, H. Meijer, M. van Rooij, W.A. Prins, A.I. Vakis & B. Jayawardhana, *Revenue Optimization for the Ocean Grazer Wave Energy Converter through Storage Utilization*, RENEW 2016 Conference, Lisbon, Portugal, 24-28 October 2016
12. Barradas-Berglind, J.J., H. Meijer, M. van Rooij, S. Clemente Piñol, B. Galván García, W.A. Prins, A.I. Vakis & B. Jayawardhana, *Energy Capture Optimization for an Adaptive Wave Energy Converter*, RENEW 2016 Conference, Lisbon, Portugal, 24-28 October 2016
13. Vakis, A.I., H. Meijer & W.A. Prins, *First steps in the design and construction of the Ocean Grazer*, ASME 2014 12th Biennial Conference on Engineering Systems Design and Analysis (ESDA), Copenhagen, Denmark, 25-27 June 2014, DOI:10.1115/ESDA2014-20108

A2

14. Sebastian Schreier. (2009). Development of a Sloshing Test Rig. Dissertation, University of Rostock, Faculty of Mechanical Engineering and Marine Technology, in Mathias Paschen (Ed.) Rostocker Meerestechnische Reihe, Bericht-Nr. 5-2009, Shaker Verlag, Aachen, ISBN 978-3-8322-8503-6.
15. Sebastian Schreier and Bernhard Mehl. (2012). Experimental Investigation of 3D Sloshing Effects in Thin Rectangular Tanks, in Proc. 22nd (2012) Int. Offshore and Polar Engineering Conference Rhodes, Greece, ISOPE Vol. 3.
16. Bernhard Mehl, Annika Püttmann, and Sebastian Schreier. (2014). Sensitivity Study on the Influence of the Filling Height on the Liquid Sloshing Behavior in a Rectangular Tank, in Proc. 24th (2014) Int. Offshore and Polar Engineering Conference Busan, Korea, ISOPE Vol. 3.
17. Sebastian Schreier and Christian Poelma. (2018). A new Generation of Sloshing Pressure Sensors, in Proc. 28th (2018) Int. Offshore and Polar Engineering Conference Sapporo, Japan, ISOPE Vol. 3.
18. Zou, T., and Kaminski, M.L. (2016). Applicability of WaveWatch-III wave model to fatigue assessment of offshore floating structures, *Journal of Ocean Dynamics*, 66 (9), 1099-1108.
19. Lieshout van, P.S., Besten den, J.H., Kaminski, M.L. (2016) Comparative study of multiaxial fatigue methods applied to welded joints in marine structures, *Frattura ed Integritá Strutturale*, 37, 173-192.
20. van Lieshout, P., den Besten, H., & Kaminski, M. (2016). Validation of the corrected Dang Van multiaxial fatigue criterion applied to turret bearings of FPSO offloading buoys. *Ships and Offshore Structures*, 12(4), 521 - 529. DOI: 10.1080/17445302.2016.1182461.

21. Zou, X. Jiang, and M.L. Kaminski. (2014). Possible solutions for climate change impact on fatigue assessment of floating structures. Proceedings of the 24th International Ocean and Polar Engineering Conference, p. 373-381.

A3 / A4

22. Goede, A P H., et. al., EPJ Web of Conferences 79, 01005 (2014), DOI: 10.1051/epjconf/20147901005
 23. Goede, A.P.H., pp. 357-380 (2015), Joint EPS-SIF Int. School on Energy, ISBN 978-88-7438-094-7, Ed. Cifarelli, L. and Wagner F.
 24. Goede, A.P.H., van de Sanden, M.C.M. EurPhysNews 47/3, (2016) 22-25: <http://dx.doi.org/10.1051/epn/2016304>

A5

25. A.V. Uluc, F.D. Tichelaar, H. Terryn , A.J. Böttger. The role of heat treatment and alloying elements on hydrogen uptake in Aermet 100 ultrahigh-strength steel. J. Electroanalytical Chemistry 739 (2015) 130–136.
 26. E. Martinez-Lombardia, Y. Gonzalez-Garcia, L. Lapeire, I. De Graeve, K. Verbeken, L. Kestens, J.M.C Mol, H. Terryn. Scanning Electrochemical Microscopy to study the effect of crystallographic orientation on the electrochemical activity of pure copper. Electrochimica Acta 116 (2014) 89-96.
 27. L.C. Abodi, Y. Gonzalez-Garcia, O. Dolgikh, C. Dan, D. Deconinck, J.M.C. Mol, H. Terryn, J. Deconinck "Simulated and measured response of oxygen SECM-measurements in presence of a corrosion process" Electrochimica Acta 146 (2014) 556-563.
 28. Uluc, J.M.C. Mol, H. Terryn, A.J. Böttger, Hydrogen sorption and desorption related properties of alloys determined by cyclic voltammetry. J. Electroanalytical Chemistry 734 (2014) 53–60

A6

29. Anne Boorsma, Kees Aalbers, Riaan van 't Veer, Rene Huijsmans. (2017). Experimental Determination of the Effect of Bow Shape on the Wave Drift Load. In Proceedings of ASME 2017 36th International Conference on Ocean, Offshore and Arctic Engineering.
 30. Sanne van Essen, Arne van der Hout, Rene Huijsmans, Olaf Waals. (2013). Evaluation of Directional Analysis Methods for Low-Frequency Waves to Predict LNGC Motion Response in Nearshore Areas. In Proceedings of ASME 2013 32nd International Conference on Ocean, Offshore and Arctic Engineering.

B1

31. Capuzzo E, Lynam CP, Barry J, Stephens D, Forster RM, Greenwood N, McQuatters-Gollop A, Silva T, van Leeuwen SM, Engelhard GH (2018) A decline in primary production in the North Sea over 25 years, associated with reductions in zooplankton abundance and fish stock recruitment. Glob Change Biol 24:E352-E364
 32. Kromkamp J, Capuzzo E, Philippart CJM (2017) Measuring phytoplankton primary production: review of existing methodologies and suggestions for a common approach. EcApRHA deliverable WP32
 33. Aardema, H. M., M. RIijkeboer, A. Lefebvre, A. Veen, and Kromkamp J. C. (2018). High resolution in situ measurements of photosynthesis and abundance in the Dutch North Sea. Ocean Sciences submitted. doi.org/10.5194/os-2018-21
 34. Hughes, D. J., D. A. Campbell, M. A. Doblin, J. C. Kromkamp, E. Lawrenz, C. M. Moore, K. Oxborough, O. Prášil, P. J. Ralph, M. F. Alvarez, and Suggett, D. J. (2018). Roadmaps and Detours: Active Chlorophyll-a Assessments of Primary Productivity Across Marine and Freshwater Systems. Environmental Science & Technology 52:12039-12054.
 35. Silsbe, G. M., K. Oxborough, D. J. Suggett, R. M. Forster, S. Ihnken, O. Komárek, E. Lawrenz, O. Prášil, R. Röttgers, M. Šicner, S. G. H. Simis, M. A. Van Dijk, and. Kromkamp, J.C. (2015). Toward autonomous measurements of photosynthetic electron transport rates: An evaluation of active fluorescence-based measurements of photochemistry. Limnology and Oceanography: Methods 13:138-155.
 36. Drewitt, A.L. & Langston, R.H. (2006). Assessing the impacts of wind farms on birds. Ibis, 148(s1): 29-42.
 37. Geelhoed, S., van Bemmelen, R., Keijl, G., Leopold M., & Verdaat, H. (2011). Nieuwe kolonie Drieteenmeeuwen Rissa tridactyla in de zuidelijke Noordzee. Sula, 24: 27-30.
 38. Ronconi, R.A., Allard, K.A. & Taylor, P.D. (2015). Bird interactions with offshore oil and gas platforms: review of impacts and monitoring techniques. Journal of environmental management, 147: 34-45.

B2

39. Fowler, A. M., Jørgensen, A., Svendsen, J. C., Macreadie, P. I., Jones, D. O., Boon, A. R., Booth, D. J., Coolen, J.W.P., Lindeboom, H.J. et al. 2011. Environmental benefits of leaving offshore infrastructure in the ocean. Frontiers in Ecology and the Environment. <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/fee.1827>.

40. Coolen, J. W. P., Bos, O. G., Glorius, S., Lengkeek, W., Cuperus, J., Van der Weide, B. E., and Agüera, A. 2015. Reefs, sand and reef-like sand: A comparison of the benthic biodiversity of habitats in the Dutch Borkum Reef Grounds. *Journal of Sea Research*, 103: 84–92.
41. Coolen, J. W. P., Lengkeek, W., Degraer, S., Kerckhof, F., Kirkwood, R. J., and Lindeboom, H. J. 2016. Distribution of the invasive Caprella mutica Schurin, 1935 and native Caprella linearis (Linnaeus, 1767) on artificial hard substrates in the North Sea: separation by habitat. *Aquatic Invasions*, 11: 437–449.
42. Coolen, J. W. P., van der Weide, B., Cuperus, J., Blomberg, M., Van Moorsel, G. W. N. M., Faasse, M. A., Bos, O. G., Degraer, S., and Lindeboom, H. J. (2017) Benthic biodiversity on old platforms, young wind farms, and rocky reefs. – *ICES Journal of Marine Science*, doi:10.1093/icesjms/fsy092.
43. Murray, F., Needham, K., Gormley, K., Rouse, S., Coolen, J. W. P., Billett, D., Dannheim, J., H.J.Lindeboom et al. 2018. Data challenges and opportunities for environmental management of North Sea oil and gas decommissioning in an era of blue growth. *Marine Policy*: 0–1. Elsevier Ltd. <https://doi.org/10.1016/j.marpol.2018.05.021>.
44. van der Stap, T., Coolen, J. W. P., and Lindeboom, H. J. 2016. Marine fouling assemblages on offshore gas platforms in the southern North Sea: Effects of depth and distance from shore on biodiversity. *PLOS ONE*, 11: 1–16.

B3

45. Balke T, Herman PMJ, Bouma TJ (2014) Critical transitions in disturbance-driven ecosystems: identifying Windows of Opportunity for recovery. *Journal of Ecology* 102: 700–708. doi: 10.1111/1365-2745.12241

B4

46. Camphuysen, C.J., Webb, A. 1999. Multi-species feeding associations in North Sea seabirds: jointly exploiting a patchy environment. *Ardea* 87(2):177–198.
47. Baptist, M.J., van Bemmelen, R.S.A., Leopold, M.F., de Haan, D., Flores, H., Couperus, B., Fassler, S. & Geelhoed, S.C.V. (2019 in txt 2018). Self-foraging vs facilitated foraging by Lesser Black-backed Gull (*Larus fuscus*) at the Frisian Front, the Netherlands. *Bulletin of Marine Science* 95. <https://doi.org/10.5343/bms.2017.1179>.
48. Drewitt, A.L. & Langston, R.H. (2006). Assessing the impacts of wind farms on birds. *Ibis*, 148(s1): 29–42

B5

49. GESAMP (2016). “Sources, fate and effects of microplastics in the marine environment: part two of a global assessment” (Kershaw, P.J., and Rochman, C.M., eds). (IMO/FAO/UNESCO-IOC/UNIDO/WMO/IAEA/UN/ UNEP/UNDP Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection). Rep. Stud. GESAMP No. 93, 220 p.
50. Zettler ER, Mincer TJ, and Amaral-Zettler LA. 2013. Life in the “Plastisphere”: microbial communities on plastic marine debris. *Environ Sci Technol* 47: 7137–46.
51. Hadfield, M. G. (2011). Biofilms and marine invertebrate larvae: what bacteria produce that larvae use to choose settlement sites. *Annual review of marine science*, 3, 453–470.
52. Masó M, Garces E, Pages F, and Camp J. 2003. Drifting plastic debris as a potential vector for dispersing Harmful Algal Bloom (HAB) species. *Sci Mar* 67: 107–11.

B6

53. Van der Molen, J., Smith, H.C.M., Lepper, P., Limpenny, S., Rees, J., 2014. Predicting the large-scale consequences of offshore wind array development on a North Sea ecosystem. *Continental Shelf Research* 85, 60-72I 10.1016/j.csr.2014.05.018
54. Van der Molen, J., Ruardij, P., Greenwood, N., 2016. Potential environmental impact of tidal energy extraction in the Pentland Firth at large spatial scales: results of a biogeochemical model. *Biogeosciences* 13, 2593–2609, doi:10.5194/bg-13-2593-2016.
55. Van der Molen, J., Ruardij, J., Mooney, K., Kerrison, P., O'Connor, N.E., Gorman, E., Timmermans, K., Wright, S., Kelly, M., Hughes, A.D., Capuzzo, E., 2018. Modelling potential production macroalgae farms UK and Dutch coastal waters. *Biogeosciences* 15, 1123–1147, DOI <https://doi.org/10.5194/bg-15-1123-2018>.
56. Zijl, F., Veenstra, J., and Groenenboon, J. (2018). "The 3D Dutch Continental Shelf Model - Flexible Mesh (3D DCSMFM): setup and validation," Rep. No. 1220339. Deltares, Delft.
57. Hummel H, Van Avesaath P, Wijnhoven S, Kleine-Schaars L, Degraer S, et al., 2017. Geographic patterns of biodiversity in European coastal marine benthos. *Journal of the Marine Biological Association of the United Kingdom* 97(3): 507–523. doi: U.K<https://dx.doi.org/10.1017/S0025315416001119>
58. Hummel, H., M. Frost, J.A. Juanes, J. Kochmann, C.F. Castellanos Perez Bolde, et al. 2015. A comparison on the degree of implementation of marine biodiversity indicators by European countries in relation to the Marine Strategy Framework Directive (MSFD). *JMBA* 95:1519–1531. (doi:10.1017/S0025315415000235)

59. Bergman, M.J.N., Ubels, S.M., Duineveld, G.C.A., and Meesters, E.W.G. 2015. Effects of a 5-year trawling ban on the local benthic community in a wind farm in the Dutch coastal zone. – ICES Journal of Marine Science, 72: 962–972.
60. Duineveld, G.C.A., Bergman, M.J.N., and Lavaleye, M.S.S. 2007. Effects of an area closed to fisheries on the composition of the benthic fauna in the southern North Sea. ICES Journal of Marine Science, 64: 1 –10.
61. Lindeboom H.J. 1995. Protected areas in the North Sea: an absolute need for future marine research. *Helgoländer Meeresunters.*, 49: 591-602.

C1

62. Albert G. J. Tacon , Marc Metian , Giovanni M. Turchini & Sena S. De Silva (2009) Responsible Aquaculture and Trophic Level Implications to Global Fish Supply, *Reviews in Fisheries Science*, 18:1, 94-105, DOI: 10.1080/10641260903325680
63. Olsen Y (2015) How can mariculture better help feed humanity? *Front. Mar. Sci.* 2:46. doi: 10.3389/fmars.2015.00046
64. UN. (2012a). United Nations - World Population Prospects: The 2012 Revision Population Database, 4th of May 2015. Available online at: http://esa.un.org/wpp/unpp/panel_population.htm
65. UN. (2012b). "The future we want," in Outcome document of the United Nations Conference on Sustainable Development, 20–22 June 2012 (Rio de Janeiro). Available online at: <http://www.un.org/en/sustainablefuture/>
66. Jansen HM, S Van Den Burg, B Bolman, RG Jak, P Kamermans, M Poelman, M Stuiver (2016) The feasibility of offshore aquaculture and its potential for multi-use in the North Sea. *Aquacult Int DOI 10.1007/s10499-016-9987-y*

C3

67. Lubsch A. and K.R. Timmermans. 2018. Uptake kinetics and storage capacity of dissolved inorganic phosphorus and corresponding N:P dynamics in *Ulva lactuca*. *J. Phycol.* 54: 215-223.(C3)
68. Lubsch A. and K.R. Timmermans. 2019. Uptake kinetics and storage capacity of dissolved inorganic phosphorus and corresponding N:P dynamics in *Saccharina latissima* and *Laminaria digitata* (Phaeophyceae). *J. Phycol.* In press (C3)
69. Fernand,F., A. Israel, J. Skjermo, T. Wichard, K. R. Timmermans, A. Golberg, (2016) Offshore macroalgae biomass for bioenergy production: Environmental aspects, technological achievements and challenges. *Renew. Sustain. Energy Reviews* <http://dx.doi.org/10.1016/j.rser.2016.10.046>
70. Lubsch A. & K.R. Timmermans. 2017. Texture analysis of *Laminaria digitata* (Phaeophyceae) thallus reveals trade-off between tissue tensile strength and toughness along lamina. *Botanica Marina*, 60: 229-237.

C4

71. Troost, T. A., Wijsman, J. W. M., Saraiva, S., and Freitas, V. (2010). Modelling shellfish growth with dynamic energy budget models: An application for cockles and mussels in the Oosterschelde (southwest Netherlands). *Philosophical Transactions of the Royal Society B: Biological Sciences* 365, 3567-3577.
72. Christianen M.J.A., W. Lengkeek, J.H. Bergsma, J.W.P. Coolen, K. Didderen, M. Dorenbosch, F.M.F. Driessen, P. Kamermans, E. Reuchlin-Hugenholtz, H. Sas, A. Smaal, K.A. van den Wijngaard, T.M. van der Have. Return of the native facilitated by the invasive? Population composition, substrate preferences, and epibenthic species richness of a recently discovered shellfish reef with native European flat oysters (*Ostrea edulis*) in the North Sea (2018) *Marine Biology Research*. DOI: 10.1080/17451000.2018.1498520
73. Van den Burg S.W.K., P. Kamermans, M. Blanch, D. Pletsas, M. Poelman, K. Soma, & G. Dalton (2017) Business case for mussel aquaculture in offshore wind farms in the North Sea. *Marine Policy*, 10.1016/j.marpol.2017.08.007

D1

74. Kees Bastmeijer, 'Ecosystem-based approach for the marine environment and the position of humans. Lessons from the EU natura 2000 regime', in: David Langlet and Rosemary Rayfuse (eds.) *The ecosystem approach in ocean planning and governance*, Brill 2018 (accepted and in press);
75. Mirjam Broekmeyer, Kees Bastmeijer and Dana Kamphorst, 'Towards an improved implementation of the Birds- and Habitats Directive. An inventory of experiences in Austria, England, Flanders and the Netherlands in relation to two dilemmas', *Wageningen Environmental Research*, September 2017;
76. Kees Bastmeijer, 'Natura 2000 and the Protection of Wilderness in Europe', in Kees Bastmeijer (ed.), *Wilderness Protection in Europe. The Role of International, European and National Law*, (Cambridge University Press 2016), pp. 177-198;
77. Kees Bastmeijer, 'Ecological Restoration in International Biodiversity Law: A Promising Strategy to Address Our Failure to Prevent?', in: M.J.S. Bowman, P. Davies and E.J Goodwin, *Research Handbook on Biodiversity and Law*, Edgar Elgar, 2016, pp. 387-413;

78. Hendrik Schoukens and Kees Bastmeijer, 'Species Protection in the European Union: How Strict is Strict?' In: Charles-Hubert Born and Hendrik Schoukens, *The Habitats Directive in its EU Environmental Law Context: European Nature's Best Hope?*, Routledge, 2014, pp. 121-146;
79. Dotinga, H. & Trouwborst, A., (2009). The Netherlands and the designation of marine protected areas in the North Sea. *Implementing international and European law*. Utrecht Law Review 5(1), pp. 21-43. DOI: <http://doi.org/10.18352/ulr.93>
80. M.J. Baptist, N. Dankers, C.J. Bastmeijer, A.G. Brinkman, J.E. Tamis, R. Jongbloed, F.E. Fey, W.E. van Duin, C.J. Smit, H.J. Lindeboom, 'User limits or natural limits: can we set limits to human use, based on a natural functioning of the Wadden Sea?', in: H. Marencic, K. Eskildsen, H. Farke and S. Hedtkamp (eds), *Science for Nature Conservation and Management: the Wadden Sea Ecosystem and EU Directives*, proceedings of the 12th International Scientific Wadden Sea Symposium in Wilhelmshaven, Germany, 30 March - 3 April 2009, Wadden Sea Ecosystem No. 26., pp. 193-198, Common Wadden Sea Secretariat, Wilhelmshaven, 2010.

D2

81. M.M. Roggenkamp et al (eds), *Energy Law in Europe – National, EU and International Regulation*, Oxford University Press, 2017, 3d edition, 1267 pp.
82. H.K. Müller, M.M. Roggenkamp,, 'Regulating Offshore Energy Sources in the North Sea—Reinventing the Wheel or a Need for More Coordination?', in: *The International Journal of Marine and Coastal Law*, 2014, vol. 29, issue 4, pp. 716 – 737
83. M.M. Roggenkamp, D.M. Hanema, 'Re-Use of Installations Offshore for CCS', in: C. Banet (ed), "The Law of the Seabed: Access, Uses, and Protection of Seabed Resources" (BRILL, forthcoming 2018)
84. M.M. Roggenkamp, H.K. Müller, 'De regulering van offshore windenergie sinds 2008. Een offshore processie van Echternach?', *Nederlands Tijdschrift voor Energierecht* 2013 nr. 2

D3

85. Marshak, A.R., Link, J.S., Shuford, R., Monaco, M.E., Johannessen, E., Bianchi, G., Anderson, M.R., Olsen, E., Smith, D.C., Schmidt, J.O., Dickey-Collas, M. and Handling editor: Raúl, P. (2017) International perceptions of an integrated, multi-sectoral, ecosystem approach to management. *ICES Journal of Marine Science* 74, 414-420.
86. Smith, D.C., Fulton, E.A., Apfel, P., Cresswell, I.D., Gillanders, B.M., Haward, M., Sainsbury, K.J., Smith, A.D.M., Vince, J. and Ward, T.M. (2017) Implementing marine ecosystem-based management: lessons from Australia. *ICES Journal of Marine Science* 74, 1990-2003
87. Bartelings, H. and Z. Smeets-Kristkova (2018) Impact of hard Brexit on European fisheries Scenario analysis using the MAGNET model. Deliverable 5.2 of the European SUCCESS project. https://www.wur.nl/upload_mm/6/3/7/f745b912-2409-4184-ac19-dbd71d019edd_Brexit%20MAGNET.pdf
88. Meijl, H. van, Tsipopoulos, I., Bartelings, H. ,Hoefnagels, R., Smeets, E.,Tabeau, A., Faaij, A. (2018) On the macro-economic impact of bioenergy and biochemicals – Introducing advanced bioeconomy sectors into an economic modelling framework with a case study for the Netherlands. *Biomass and Bioenergy* 108 . p. 381 - 397.
89. Röckmann, C., van Leeuwen, J., Goldsborough, D., Kraan, M., & Piet, G. (2015). The interaction triangle as a tool for understanding stakeholder interactions in marine ecosystem based management. *Marine Policy*, 52, 155–162. <http://doi.org/10.1016/j.marpol.2014.10.019>

D4

90. Link, J.S. and Browman, H.I. (2014) Integrating what? Levels of marine ecosystem-based assessment and management. *ICES Journal of Marine Science* 71, 1170-1173.
91. Röckmann, C., van Leeuwen, J., Goldsborough, D., Kraan, M. and Piet, G. (2015) The in-teraction triangle as a tool for understanding stakeholder interactions in marine ecosystem based management. *Marine Policy* 52, 155-162
92. Levin PS, Fogarty MJ, Murawski SA, Fluharty D (2009) Integrated Ecosystem Assessments: Developing the Scientific Basis for Ecosystem-Based Management of the Ocean. *PLoS Biol* 7(1): e1000014. <https://doi.org/10.1371/journal.pbio.1000014>
93. Samhouri, J.F., Haupt, A.J., Levin, P.S., Link, J.S. and Shuford, R. (2014) Lessons learned from developing integrated ecosystem assessments to inform marine ecosystem-based management in the USA. *ICES Journal of Marine Science* 71, 1205-1215.
94. DePiper, G.S., Gaichas, S.K., Lucey, S.M., Pinto da Silva, P., Anderson, M.R., Breeze, H., Bundy, A., Clay, P.M., Fay, G., Gamble, R.J. and Gregory, R.S., 2017. Operationalizing integrated ecosystem assessments within a multidisciplinary team: lessons learned from a worked example. *ICES Journal of Marine Science*, <https://doi.org/10.1093/icesjms/fsx038>
95. Melbourne-Thomas, J., Constable, A.J., Fulton, E.A., Corney, S.P., Trebilco, R., Hobday, A.J., Blanchard, J.L., Boschetti, F., Bustamante, R.H., Cropp, R., Everett, J.D., Fleming, A., Galton-Fenzi, B., Goldsworthy, S.D., Lenton, A., Lara-Lopez, A., Little, R., Marzloff, M.P., Matear, R., Mongin, M., Plagányi, E., Proctor, R., Risbey, J.S., Robson, B.J., Smith, D.C., Sumner, M.D. and

- van Putten, E.I. (2017) Integrated modelling to support decision-making for marine social-ecological systems in Australia. *ICES Journal of Marine Science* 74, 2298-2308.
96. Martinez-Harms, M.J., Bryan, B.A., Balvanera, P., Law, E.A., Rhodes, J.R., Possingham, H.P. and Wilson, K.A. (2015) Making decisions for managing ecosystem services. *Biological Conservation* 184, 229-238.
 97. Dick, J., Turkelboom, F., Woods, H., Iniesta-Arandia, I., Primmer, E., Saarela, S.-R., et al. (2017) Stakeholders' perspectives on the operationalisation of the ecosystem service concept: Results from 27 case studies. *Ecosystem Services*.
 98. Turkelboom, F., Leone, M., Jacobs, S., Kelemen, E., García-Llorente, M., Baró, F., Termansen, M., Barton, D.N., Berry, P., Stange, E., Thoonen, M., Kalóczkai, Á., Vadineanu, A., Castro, A.J., Czúcz, B., Röckmann, C., Wurbs, D., Odee, D., Preda, E., Gómez-Baggethun, E., Rusch, G.M., Pastur, G.M., Palomo, I., Dick, J., Casaer, J., van Dijk, J., Priess, J.A., Langemeyer, J., Mustajoki, J., Koppenonen, L., Baptist, M.J., Peri, P.L., Mukhopadhyay, R., Aszalós, R., Roy, S.B., Luque, S. and Rusch, V. (2017) When we cannot have it all: Ecosystem services trade-offs in the context of spatial planning. *Ecosystem Services*.
 99. Strietman, W.J., A.J. Reinhard, A.T. De Blaeij, B.W. Zaalmink, 2017. The cost of degradation of the Dutch North Sea environment; A study into the costs of avoiding degradation and the applicability of the Ecosystem Services approach. Wageningen, Wageningen Economic Research, Report 2018-015. <http://edepot.wur.nl/432050>
 100. Soma K, van den Burg S, Selnes T, van der Heide M. 2019. Assessing social innovation across offshore sectors in the Dutch North Sea. *Ocean & Coastal Management*, 167: 42-51
 101. Soma, K., van Tatenhove, J., & van Leeuwen, J. (2015). Marine Governance in a European context: Regionalization, integration and cooperation for ecosystem-based management. *Ocean & Coastal Management*, 117, 4–13. <http://doi.org/10.1016/j.ocecoaman.2015.03.010>
 102. Van der Valk F, Soma K. 2002. Towards synergy of strategies and measures for UNFCCC and CBD - Assessment of (ecosystem service-) impacts in coastal zone, - to the Convention on Biological Diversity (CBD, CoP6, the Hague, April 2002). AIDEnvironment. The Netherlands.
 103. Kamermans, P., Soma, K., & van den Burg, S. (2016). Haalbaarheid mosselteelt binnen offshore windparken in de Nederlandse kustzone. Imares rapport C075/16. The Hague. Retrieved from <http://library.wur.nl/WebQuery/wurpubs/fulltext/388889>
 104. Holm, P., & Soma, K. (2016). Fishers' information in governance — a matter of trust. *Current Opinion in Environmental Sustainability*, 18, 115–121. <http://doi.org/10.1016/j.cosust.2015.12.005>
 105. Soma, K., & Haggett, C. (2015). Enhancing social acceptance in marine governance in Europe. *Ocean and Coastal Management*, 117, 61–69. <http://doi.org/10.1016/j.ocecoaman.2015.11.001>
 106. Soma, K., Nielsen, J. R., Papadopoulou, N., Polet, H., Zengin, M., Smith, C. J., ... Gümüş, A. (2018). Stakeholder perceptions in fisheries management - Sectors with benthic impacts. *Marine Policy*. <http://doi.org/10.1016/j.marpol.2018.02.019>
 107. Soma, K., van der Burg, S. W. K., Hoefnagel, E. W. J., Stuiver, M., & van der Heide, C. M. (2018). Social innovation - A future pathway for Blue growth? *Marine Policy*, 87, 363–370. <http://doi.org/10.1016/j.marpol.2017.10.008>
 108. Stuiver, M., Soma, K., Koundouri, P., van den Burg, S., Gerritsen, A., Harkamp, T., ... Møhlenberg, F. (2016). The governance of multi-use platforms at sea for energy production and aquaculture: Challenges for policy makers in European Seas. *Sustainability* (Switzerland), 8(4). <http://doi.org/10.3390/su8040333>
 109. van den Burg, S. W. K., Kamermans, P., Blanch, M., Pletsas, D., Poelman, M., Soma, K., & Dalton, G. (2017). Business case for mussel aquaculture in offshore wind farms in the North Sea. *Marine Policy*, 85(March), 1–7. <http://doi.org/10.1016/j.marpol.2017.08.007>
- D5**
110. Lindeboom, H.J., J Geurts van Kessel & L. Berkenbosch (2005). Areas with special ecological values on the Dutch Continental Shelf. Report RIKZ/2005.008; Alterra Report nr. 1203. Pp 103
 111. Lindeboom H.J., H J Kouwenhoven, M J N Bergman, S Bouma, S Brasseur, R Daan, R C Fijn, D de Haan, S Dirksen, R van Hal, R Hille Ris Lambers, R ter Hofstede, K L Krijgsveld, M Leopold and M Scheidat (2011). Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation. *Environ. Res. Lett.* 6(3).
 112. Toonen H.M.; Lindeboom, H.J. (2015.) Dark green electricity comes from the sea: Capitalizing on ecological merits of offshore wind power. *Renewable and Sustainable Energy Reviews* 42: 1023-1033.
 113. Vriend, H.J. de, Van Koningsveld, M., Aarninkhof, S.G.J., De Vries, M.B. and Baptist, M.J. (2014). Sustainable hydraulic engineering through building with nature. *Journal of Hydro-environment Research* 9 (2015), pp 159-171