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## EDUCATION

- **Ph.D., MARINE SCIENCE AND CONSERVATION**, 2014  
Nicholas School of the Environment and Earth Sciences, Duke University, Durham, NC  
Title: On the dynamic management of marine resources
- **MASTER OF ENVIRONMENTAL MANAGEMENT**, 2005  
Nicholas School of the Environment and Earth Sciences, Duke University, Durham, NC
- **MASTER OF FINE ARTS, PHOTOGRAPHY**, 2001  
Savannah College of Art & Design, Savannah, GA
- **BACHELOR OF ARTS**, Philosophy, Human & Natural Ecology, 1995  
Emory University, Atlanta, GA

## PROFESSIONAL EXPERIENCE

- 2019 – Senior Lecturer**  
University of Queensland, Brisbane, QLD, Australia
- 2017 – 2019 Assistant Research Professor**  
Duke University, Beaufort, NC, USA
- 2015 – 2016 Research Scientist**  
Duke University, Beaufort, NC, USA
- 2015 – 2016 Nippon Foundation Senior Fellow**, NF-UBC Nereus Program
- 2005 – 2011 Doctoral Scholar**, Nicholas School of the Environment, Duke University, NC, USA
- 2005 – 2011 Associate in Research**, Marine Geospatial Ecology Lab, Duke University, NC, USA
- 2004 – 2006 Staff Scientist**  
Wider Caribbean Sea Turtle (WIDECAS) Conservation Network, Beaufort, NC, USA

## GRANTS RECEIVED

*As Principal Investigator (>USD\$950,000)*

- Modelling migratory connectivity to support management of protected areas (2020), *Global Fishing Watch*, \$70,000
- Gap analysis of protection of U.S. marine biodiversity: Scoping a framework for marine stewardship (2020), *Lenfest Ocean Program*, \$188,387
- Delivering usable knowledge on migratory connectivity for sustainable development (2020), *University of Queensland & the UN Environment Programme – World Conservation Monitoring Centre*, \$33,000
- Designing the observing system for the world's ocean – from microbes to whales (2019), *NCEAS PEGASuS*, \$111,490

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- An Atlantic Regional Environmental Management Plan for Deep-sea Mining (2019), *EASME – European Commission (via Seascope Consulting)*, \$167,000
- Sustainable Fisheries Management and Biodiversity Conservation of Deep Sea Living Resources in Areas Beyond National Jurisdiction Project (2018), *UN Food & Agriculture Organization (via CSIRO)*, \$80,000
- Bioregionalization of ocean ridges and data development in support of environmental management of deep-sea mining for cobalt-rich ferromanganese crusts (2018), *Pew Charitable Trusts*, \$93,000
- Sustainable Fisheries Management and Biodiversity Conservation of Deep Sea Living Marine Resources and Ecosystems in the Areas Beyond National Jurisdiction (2017), *UN Environment World Conservation Monitoring Centre*, \$125,000
- Strategic Environmental Management Planning in the Indian Ocean (2017), *Pew Charitable Trusts*, \$36,000
- Building blocks for an environmental management plan for the Mid-Atlantic Ridge (2015), *Pew Charitable Trusts*, \$58,000

### *As Co-Investigator (>\$2,400,000)*

- Identification of the range of priority areas for a future Marine Protected Area in Kong Hakons VII Hav - WSMPA Phase 2 (2020)
- iAtlantic: Integrated Assessment of Atlantic Marine Ecosystems in Space and Time (2019), *European Commission Horizon 2020 (via the University of Edinburgh)*
- Nippon Foundation/University of British Columbia Nereus Program (2011 – 2020), *Nippon Foundation*
- Next Steps in Area-based Planning for Areas Beyond National Jurisdiction (2016), *International Climate Initiative (German Government via Seascope Consulting)*
- SEMPiA: A Strategic Environmental Management Plan in the Atlantic (2016), *Pew Charitable Trusts*

**PEER-REVIEWED PUBLICATIONS & BOOK CHAPTERS** (\* = student or research staff)  
(h-index: 31 (Google); citations: >3500; 53 publications, 5 in review, 15 first authored or co-authored)

### ***In review***

1. Roberson, L., C. O'Hara, J. Watson, B. Halpern, C. Klein, D.C. Dunn, M. Frazier, H. Beyer, C. Keumpel, B. Williams, H. Grantham, J. Montgomery, S. Kark, R. Runting. (in review) Multinational coordination required for conservation of over 90% of marine species. **Science Advances**.
2. Satterthwaite, E., N. Bax, P. Miloslavich, D.C. Dunn, and the PEGASuS workshop participants. (submitted) Establishing the foundation for the global observing system for marine life. **Global Change Biology**.
3. Fader, J.E.\*, R.W. Baird, A. Bradford, D.C. Dunn, K. Forney, A. J. Read. (in review) Patterns of depredation in the Hawai'i deep-set longline fishery informed by fishery and false killer whale behavior. **Ecological Applications**.
4. Sequeira, A.M.M., C. Blight, S. Bograd, C. Braun, D. Costa, C. Duarte, D.C. Dunn, V. Eguiluz, M. Fedak, N. Hammerschlag, R. Harcourt, G. Hays, E.L. Hazen, M. Heupel, M. Hindell, X. Hoenner, K. Holland, M. Holland, F.R.A. Jaine, I. Jonsen, T. Keates, L. McDonnell, C. McMahan, M. McKinzie, M. Muelbert, P. Newman, M. O'Toole, J. Pye, D. Sims, S. Simmons, B. Townsend, M.

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Weise, F. Whoriskey, B. Woodward. (*submitted*) Standardisation of tracking data to maximise advances in conservation management. **Methods in Ecology and Evolution**.

### 2020

1. Levin, L., C-L Wei, D.C. Dunn, D.J. Amon, O.S. Ashford, W.W. Cheung, A. Colaço, C. Dominguez-Carrió, E. Escobar, H. Harden-Davies, J.C. Drazen, K. Ismail\*, D.O.B. Jones, D. Johnson, J.T. Le, F. Lejzerowicz, S. Mitarai, T. Morato, S. Mulsow, P. Snelgrove, A. Sweetman, M. Yasuhara. (2020) Climate Change Considerations are Fundamental to Management of the Deep Sea. **Global Change Biology**. 26(9):4664-4678.
2. Dellmuth, L.M., M.T. Petersson, D.C. Dunn, A. Boustany, P.N. Halpin. (*in press*) The limits of civil society: Ecological factors, politics, and participation in regional fisheries management organizations. **Global Environmental Change**.
3. Ortuño Crespo, G.\* , D.C. Dunn, K.M. Gjerde, P.N. Halpin, J. Mossop, G. Reygondeau, D. Tittensor, R. Warner. (*in press*) Beyond static spatial management: scientific and legal considerations for dynamic management in the high seas. **Marine Policy**.
4. Vierros, M., A.-L. Harrison, M. Sloat, G. Ortuño Crespo\*, J. Moore, D.C. Dunn, Y. Ota, A. Cisneros-Montemayor, G. Shillinger, T.K. Watson, H. Govan. (2020) Considering Indigenous Peoples and local communities in governance of the global ocean commons. **Marine Policy**. 119:104039.
5. Woolley, S.N.C., S.D. Foster, N.J. Bax, J. Currie, D.C. Dunn, C. Hansen, N. Hill, T.D. O'Hara, O. Ovaskainen, R. Sayre, J.P. Vanhatalo, P.K. Dunstan. (2020) Bioregions: Combining Biological and Environmental Data for Management and Scientific Understanding. **Bioscience** 70 (1), 48-59.

### 2019

6. Dunn, D.C.<sup>†</sup>, A-L Harrison<sup>†</sup>, C. Curtice, S. DeLand\*, B. Donnelly, E. Fujioka, E. Heywood\*, C.Y. Kot, S. Poulin\*, M. Whitten\*, S. Åkesson, A. Alberini\*, W. Appeltans, J. M. Arcos, H. Bailey, L.T. Ballance, B. Block, H. Blondin\*, A.M. Boustany, J. Brenner, P. Catry, D. Cejudo, J. Cleary, P. Corkeron, D.P. Costa, M. Coyne, G. Ortuño Crespo\*, T.E. Davies, M.P. Dias, F. Douvère, F. Ferretti, A. Formia, D. Freestone, A.S. Friedlaender, H. Frisch-Nwakanma, C. Barrio Froján, K.M. Gjerde, L. Glowka, B.J. Godley, J. Gonzalez-Solis, J.P. Granadeiro, V. Gunn, Y. Hashimoto, L. Hawkes, G.C. Hays, C. Hazin, J. Jimenez, D.E. Johnson, P. Luschi, S.M. Maxwell, C. McClellan, M. Modest, G. Notarbartolo di Sciara, A. Herrero Palacio\*, D.M. Palacios, A. Pauly, M. Rayner, A.F. Rees, E. Ross Salazar, D. Secor, A.M.M. Sequeira, M. Spalding, F. Spina, S. Van Parijs, B. Wallace, N. Varo-Cruz, M. Virtue, H. Weimerskirch, L. Wilson, B. Woodward, P.N. Halpin (2019). The importance of migratory connectivity for global ocean policy. **Proceedings of the Royal Society B: Biological Sciences** 286:20191472.
7. Dunn, D.C., G. Ortuño Crespo\*, R. Caddell. (2019) Area-based fisheries management *in* Caddell, R & E.J. Molenaar (eds.) *Strengthening International Fisheries Law in an Era of Changing Oceans*. London: Hart Publishing.
8. Dunn, D.C., G. Ortuño Crespo\*, P. N. Halpin. (2019) Incorporating the dynamic and connected nature of the open ocean into governance of marine biodiversity beyond national jurisdiction (BBNJ) *in* Predicting Future Oceans. Cisneros-Montemayor, A., W.W. Cheung, Y. Ota. Elsevier
9. Ortuño Crespo, G.\* , D.C. Dunn, M. Gianni, K.M. Gjerde, G. Wright, P.N. Halpin. (2019) High seas fish biodiversity is slipping through the governance net. **Nature Ecology & Evolution**. 3:1273-1276.
10. Hays, G.C. H. Bailey, S.J. Bograd, W.D. Bowen, C. Campagna, R.H. Carmichael, P. Casale, A. Chiaradia, D.P. Costa, E. Cuevas, P.J.N. de Bruyn, M.P. Dias, C.M. Duarte, D.C. Dunn, P.H. Dutton, N. Esteban, A.S. Friedlaender, K.T. Goetz, B.J. Godley, P.N. Halpin, M. Hamann, N.

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- Hammerschlag, R. Harcourt, A.-L. Harrison, E.L. Hazen, M.R. Heupel, E. Hoyt, N.E. Humphries, C.Y. Kot\*, J.S.E. Lea, H. Marsh, S.M. Maxwell, C.R. McMahon, G. Notarbartolo di Sciarra, D.M. Palacios, R.A. Phillips, D. Righton, G. Schofield, J.A. Seminoff, C.A. Simpfendorfer, D.W. Sims, A. Takahashi, M.J. Tetley, M. Thums, P.N. Trathan, S. Villegas-Amtmann, R.S. Wells, S.D. Whiting, N.E. Wildermann, A.M.M. Sequeira. (2019) Translating marine animal tracking data into conservation policy and management. **Trends in Ecology & Evolution** 34(5):459-473.
11. Tittensor, D.P., M. Beger, K. Böerder, D. Boyce, R. Cavanagh, A. Cosandey-Godin, G. Ortuño Crespo\*, D.C. Dunn, W. Ghiffary, S.M. Grant, L. Hannah, P. Halpin, M. Harfoot, S.G. Heaslip, N.W. Jeffery, N. Kingston, H.K. Lotze, E. McLeod, J. McGowan, C.J. McOwen, B.C. O'Leary, L. Schiller, R.R.E. Stanley, M. Westhead, K.L. Wilson, B. Worm. (*in press*) Integrating climate adaptation and biodiversity conservation in the global 3 protected ocean. **Science Advances** 5 (11), eaay9969.
  12. Bax, N.J., P. Miloslavich, F. Muller-Karger, V. Allain, W. Appeltans, S. Batten, L. Benedetti Cecchi, P.L. Buttigieg, S. Chiba, D.P. Costa, J.E. Duffy, D.C. Dunn, C.R. Johnson, R.M. Kudela, D. Obura, L. Rebelo, Y. Shin, S.E. Simmons, P.L. Tyack. (2019) A response to scientific and societal capacity needs for marine biological observations. **Frontiers in Marine Science** 6:395.
  13. Johnson, D.E., C. Barrio Froján, N.J. Bax, P.K. Dunstan, S. Wooley, P.N. Halpin, D.C. Dunn, C. Hazin, M. Dias, T. Davies, J. Jimenez, E. Ross, C.L. Van Dover, G. Notarbartolo di Sciarra, E. Hoyt, V. Gunn, H. Von Nordheim (2019) The Global Ocean Biodiversity Initiative: promoting scientific support for global ocean governance. **Aquatic Conservation: Marine and Freshwater Ecosystems** 29:162-169.
  14. Tanhua, T., W. Appeltans, N. J Bax, K. Currie, B. DeYoung, D.C. Dunn, E. Heslop, A. Fischer, L. Glover, J.S. Gunn, K.L. Hill, M. Ishii, D. Legler, E. Lindstrom, A. McCurdy, P. Miloslavich, T. Moltmann, G. Nolan, A. Palacz, S.E. Simmons, B.M. Sloyan, L.M. Smith, N. Smith, M. Telszewski, M. Visbeck, J. Wilkin. (*in press*) What have we learned from the Framework for Ocean Observing: evolution of the Global Ocean Observing System. **Frontiers in Marine Science** 6, 471.
  15. Wright, G., K.M. Gjerde, D.E. Johnson, A. Finkelstein, M.A. Ferreira, D.C. Dunn, M.R. Chaves (2019) Marine Spatial Planning in Areas Beyond National Jurisdiction. **Marine Policy**.

### 2018

16. Dunn, D.C., C.L. Van Dover, R.J. Etter, C.R. Smith, L.A. Levin, T. Morato, A. Colaço, A.C. Dale, A.V. Gebruk, K.M. Gjerde, P.N. Halpin, K.L. Howell, D. Johnson, J.A.A. Perez, M.C. Ribeiro, H. Stuckas, P. Weaver and the SEMPIA Workshop Participants. (2018) A strategy for the conservation of biodiversity on mid-ocean ridges from deep-sea mining. **Science Advances**. 4 (7), eaar4313.
17. Dunn, D.C., C. Jablonicky, G. Ortuño Crespo\*, D.J. McCauley, D. Kroodsma, K. Boerder, K.M. Gjerde, P.N. Halpin. (2018) Empowering High Seas Governance with Satellite Vessel Tracking Data. **Fish & Fisheries** 19 (4):729-739.
18. Reygondeau, G. and D.C. Dunn. (2018) Pelagic Biogeography in Cochran, J.K., H.J. Bokuniewicz, P.L. Yager, (eds.) **Encyclopedia of Ocean Sciences**. Elsevier.
19. Ortuño Crespo, G. \*, D.C. Dunn, G. Reygondeau, K. Boerder, B. Worm, W. Cheung, D. Tittensor, P.N. Halpin. (2018) The environmental niche of the global high-seas pelagic longline fleet. **Science Advances** 4 (8), eaat3681.
20. Miloslavich, P., N. Bax, S. Simmons, E. Klein, W. Appeltans, O. Aburto-Oropeza, M. Anderson-García, S. Batten, L. Benedetti-Cecchi, D. Checkley, S. Chiba, E. Duffy, D.C. Dunn, A. Fischer, J. Gunn, R. Kudela, F. Marsac, F. Muller-Karger, D. Obura, Y-J Shin. (*in press*) Essential Ocean

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Variables for sustained observations of marine biodiversity and ecosystems. **Global Change Biology** 24(6):2416-2433.

21. Johnson, D.E., C. Barrio Froján, P.J. Turner, P. Weaver, V. Gunn, D.C. Dunn, P.N. Halpin, N.J. Bax, P.K. Dunstan (2018). Reviewing the EBSA process: Improving on success. **Marine Policy** 88, 75–85.
22. Muller-Karger, F.E., P. Miloslavich, N. Bax, S. Simmons, M.J. Costello, I.S. Pinto, G. Canonico, W. Turner, G. Geller, M. Gill, E. Montes, B. Best, J. Pearlman, P.N. Halpin, D.C. Dunn, A. Benson, C.S. Martin, L.V. Weatherdon, W. Appeltans, P. Provoost, E. Klein, C. Kelble, R.J. Miller, F. Chavez, K. Iken, S. Chiba, D. Obura, L.M. Navarro, H.M. Pereira. (*in press*) Advancing Marine Biological Observations linking the Essential Ocean Variables (EOVs) and Essential Biodiversity Variables (EBVs) Frameworks. **Frontiers in Marine Science** 5:211.

### 2017

23. Ortuño Crespo, G.\* and D. C. Dunn (2017) A review of the impacts of fisheries on open-ocean ecosystems. **ICES Journal of Marine Science** 74(9): 2283–2297.
24. Sutton, T.T., M.R. Clark, D.C. Dunn, P.N. Halpin, A.D. Rogers, J. Guinotte, S. Bograd et al. (2017) A new biogeographic classification of the mesopelagic zone. **Deep Sea Research: Part I**. 126:85-102.
25. Mannocci, L., A.M. Boustany, J.J. Roberts, D.C. Dunn, H. Bailey, S. Bograd, E. Becker, J. Cleary, B. Gardner, J. Hartog, E. Hazen, M. Ferguson, K. Forney, B. Kinlan, J. Moxley, M. Olliver, D. Palacios, C. Peretti, V. Ridoux, S. Teo, S. Viehman, A. Winship, P.N. Halpin (2017) Temporal resolutions in species distribution models of highly mobile marine animals: recommendations for ecologists and managers. **Diversity & Distributions**. 23 (10), 1098-1109.

### 2016

26. Dunn, D.C., S.M. Maxwell, A.M. Boustany, P.N. Halpin (2016) Dynamic ocean management increases efficiency and efficacy in fishery management. **Proceedings of the National Academy of Sciences** 113 (3):668-673.
27. Dunn, D.C., J. H. Moxley, P.N. Halpin. (2016) Temperature-based targeting in a multispecies fishery under climate change. **Fisheries Oceanography** 25(2): 105–118.
28. Wedding, L. M., S.M. Maxwell, D. Hyrenbach, D. C. Dunn, J.J. Roberts, D. Briscoe, E. Hines, P.N. Halpin. (2016) Geospatial approaches to support pelagic conservation planning and adaptive management. **Endangered Species Research** 30:1-9.
29. Bax, N.J., J. Cleary, B. Donnelly, D.C. Dunn, P.K. Dunstan, M. Fuller, P.N. Halpin. (2016) Building blocks for global marine planning: Results and implications of the first global effort to identify Ecologically or Biologically Significant Areas. **Conservation Biology**. 30(3):571-581.

### <2016

30. Morato, T., P.I. Miller, D.C. Dunn, S. Nicol, J. Bowcott, P.N. Halpin. (2015) A perspective on the importance of oceanic fronts in promoting aggregation of visitors to seamounts. **Fish & Fisheries**. 17:1227–1233.
31. Bjorkland, R., D.C. Dunn, M. McClure, M. Bellman, J. Jannot, K. Schiffers, J. McVeigh, M. Gleason. (2015) Spatiotemporal patterns of rockfish bycatch in US west coast groundfish fisheries: opportunities for reducing incidental catch of depleted species. **Canadian Journal of Fisheries and Aquatic Sciences** 72(12):1835–1846.
32. Maxwell, S.M., R. Lewison, H. Bailey, M. Bennett, S. Benson, S. Bograd, D.K. Briscoe, M. Caldwell, D.P. Costa, H. Dewar, D.C. Dunn, T. Eguchi, S. Fossette, E.L. Hazen, L. Hazen, A.J.

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- Hobday, S. Kohin, T. Sippell, L. Crowder. (2015) Dynamic ocean management: Defining and conceptualizing real-time management of the ocean. **Marine Policy** 58:42-50.
33. Lewison, R., A.J. Hobday, S. Maxwell, E. Hazen, J.R. Hartog, D.C. Dunn, D. Briscoe, S. Fossette, C.E. O'Keefe, M. Barnes, M. Abecassi, S. Bograd, N.D. Bethoney, H. Bailey, D. Wiley, S. Andrews, E. Howell, L. Hazen, L.B. Crowder. (2015) Dynamic Ocean Management: Identifying the critical ingredients of dynamic approaches to ocean resource management. **Bioscience** 65(5):486-498.
34. Dunn, D.C., A.M. Boustany, J.J. Roberts, P.N. Halpin (2014) Empirical move-on rules to inform fishing strategies: a New England case study. **Fish & Fisheries** 15(3):359-375.
35. Dunn, D.C., J. Ardron, N. Bax, P. Bernal, J. Cleary, I. Cresswell, B. Donnelly, P. Dunstan, K.M. Gjerde, D. Johnson, K. Kaschner, B. Lascelles, J. Rice, H. von Nordheim, L. Wood, P. N. Halpin. (2014) The Convention on Biological Diversity's Ecologically or Biologically Significant Areas: origins, development, and current status. **Marine Policy** 49:137-145.
36. Merrie, A., D.C. Dunn, M. Metian, A.M. Boustany, Y. Takei, Y. Ota, V. Christensen, P.N. Halpin, H. Österblom. (2014) Human use trends and potential surprise in the global marine common. **Global Environmental Change** 27:19-31.
37. Lewison, R., L.B. Crowder, B. Wallace, J. Moore, T. Cox, R. Zydalis, S. McDonald, A. DiMatteo, D.C. Dunn, K. Stewart, C. Soykan, M. Sims, R. Bjorkland, C. Kot, S. Kelez, A. Boustany, A. Read, P.N. Halpin, W.J. Nichols, C. Safina. (2014) Global patterns of marine megafauna bycatch. **Proceedings of the National Academy of Sciences** 111(14):5271-5276.
38. Hobday, A.J., S.M. Maxwell, H. Bailey, D. Costa, L. Crowder, D.C. Dunn, K.M. Gjerde, B. Lascelles, G. Poulos, H. Possingham, P.N. Halpin, J. Hartog, E.L. Hazen, R. Lewison, A. Powers, J. McDonald, K. Seto, M. Hall, K. Gordon. (2014) Dynamic marine management: Integrating scientific and technological capacity with law, policy and management. **Stanford Environmental Law Journal** 33(2):125-168.
39. Ban, N.C., S.M. Maxwell, D.C. Dunn, N.J. Bax, K.M. Gjerde, R. Devillers, P.K. Dunstan, A.J. Hobday, D., Kaplan, R.L. Pressey, J.A. Ardron, E.T. Game, P.N. Halpin. (2014) Better integration of sectoral planning and management approaches for the interlinked ecology of the open oceans. **Marine Policy** 49: 127-136.
40. Ban, N.C., N.J. Bax, K.M. Gjerde, R. Devillers, D.C. Dunn, P.K. Dunstan, A.J. Hobday, S.M. Maxwell, D. Kaplan, R.L. Pressey, J.A. Ardron, E.T. Game, P.N. Halpin. (2014) Systematic Conservation Planning: A new recipe for managing the High Seas. **Conservation Letters** 7(1):41-54.
41. Curtice, C., D.C. Dunn, J.J. Roberts, P.N. Halpin. (2012) Ecosystem-Based Management May Fail Without Changes to Tool Development Financing. **Bioscience** 62(5):508-515.
42. Garcia, S.M., J. Kolding, J. Rice, M-J Rochet, S. Zhou, T. Arimoto, J.E. Beyer, L. Borges, A. Bundy, D.C. Dunn, N. Graham, M. Hall, M. Heino, R. Law, M. Makino, A.D. Rijnsdorp, F. Simard, and A.D.M Smith (2012) Balanced harvesting: reconsidering the consequences of selective fisheries. **Science** 335:1045-1047.
43. Van Dover C.L., C. Smith, J. Ardron, D.C. Dunn, K. Gjerde, L. Levin *et al.* (2012) Designating networks of chemosynthetic ecosystem reserves in the deep sea. **Marine Policy** 36:378-381
44. Dunn, D.C., A. Boustany, P.N. Halpin. (2011) Spatio-temporal management of fisheries to reduce bycatch and increase fishing selectivity. **Fish and Fisheries** 12:110-119.
45. Curtice, C., R.S. Schick, D.C. Dunn, and P.N. Halpin. (2011) Home range analysis of Hawaiian Monk Seals (*Monachus schauinslandi*) based on colony, age and gender. **Aquatic Mammals** 37(3):360-371.

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46. Gilman, E., D.C. Dunn, A. Read, R. Warner, K.D. Hyrenbach. (2011) Designing criteria suites to identify sites and networks of high value across manifestations of biodiversity. **Biodiversity and Conservation** 20(14):3363-3383.
47. Žydelis, R., D.P., Costa, B.D. Best, A.M. Boustany, L.B. Crowder, D.C. Dunn, M.A. Kappes, R.L. Lewison, J.E. Moore, J.J. Roberts, S.A. Shaffer, M. Sims, Y. Tremblay (2011) Dynamic habitat models: a new perspective in analyzing fisheries bycatch. **Proceedings of the Royal Society B** 278:3191-3200.
48. Dunn, D.C., K. Stewart, R. Bjorkland, M. Haughton, S. Singh-Renton, R. Lewison, L. Thorne, P.N. Halpin. (2010) A regional analysis of coastal and domestic fishing effort in the wider Caribbean. **Fisheries Research** 102:60–68
49. Stewart, K., R. Lewison, D.C. Dunn, R. Bjorkland, S. Kelez, P.N. Halpin, L.B. Crowder (2010) Characterizing fishing effort and spatial extent for coastal fisheries. **PLoS One** 5(12): e14451.
50. Roberts, J.J., B.D. Best, D.C. Dunn, E.A. Treml, P.N. Halpin (2010) Marine Geospatial Ecology Tools: an integrated framework for ecological geoprocessing with ArcGIS, Python, R, MATLAB, and C++. **Ecosystem Modeling & Software** 25(10):1197-1207
51. Dunn, D.C., P.N. Halpin (2009) Rugosity-based regional modeling of hard-bottom habitat. **Marine Ecology Progress Series** 377:1–11. *Feature Article*.
52. Dunn, D.C., C.Y. Kot, P.N. Halpin (2008) A comparison of methods to spatially represent pelagic longline fishing effort in catch and bycatch studies. **Fisheries Research** 92:268-276
53. Eckert, S., J.E. Moore., D.C. Dunn, R. Sagarminaga, K. Eckert, P.N. Halpin (2008) Hierarchical state-space models of loggerhead sea turtle movement in relation to size and oceanographic features in the western Mediterranean Sea. **Ecological Applications** 18(2):290-308.
54. Koch, V., J.M.M. Suástegui, F. Sinsel, M.R. Mungaray, D.C. Dunn (2005) Lion's paw scallop (*Nodipecten subnodosus*, Sowerby 1835) aquaculture in Bahía Magdalena, Mexico: effects of population density and season on juvenile growth and mortality. **Aquaculture Research** 36 (5), 505–512.

### GREY LITERATURE PUBLICATIONS (Total: 33 published, 7 first authored or co-authored)

#### 2020

1. Metaxas, A., P. Snelgrove, D.C. Dunn, M. Baker, H. Sharman, H. Harden-Davies, A.R. Finkelstein, S. Gollner, D. Amon (2020) Ecological Connectivity: Implications for Ocean Governance. **Deep-Ocean Stewardship Initiative**.

#### 2019

2. The Global Ocean Biodiversity Initiative. (2019) The Migratory Connectivity in the Ocean (MiCO) System: Delivering actionable knowledge of how migratory species use and connect the ocean. UNEP/CMS/ScC-SC4/Inf.5 **4th Meeting of the Sessional Committee of the CMS Scientific Council (ScC-SC4)**.
3. Wright, G., K. Cremers, J. Rochette, N. Clark, D.C. Dunn, K.M. Gjerde, H. Harden-Davies, E. Mohammed, G. Ortuño Crespo\* (2019) High Hopes for the High Seas: beyond the package deal towards an ambitious treaty. IDDRI.
4. Levin, L.A., C-L Wei, D.C. Dunn, D. Amon, O. Ashford, W.W. Cheung, A. Colaço, E. Escobar, B. Guilloux, H. Harden-Davies, J.C. Drazen, K.M. Gjerde, K. Ismail\*, D. Jones, D. Johnson, J. Le, F. Lejzerowicz, S. Mitarai, T. Morato, S. Mulsow, P. Snelgrove, A.K. Sweetman, M. Yasuhara (2019)

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Climate change considerations are fundamental to sustainable management of deep-seabed mining. Deep-Ocean Stewardship Initiative.

5. Billett, D., M. Bourrel-McKinnon, A. Cobley, D.C. Dunn, S. Mulsow, C. Nugent, S. Smith, C. Van Dover, X.-W. Xu (2019) Workplan to implement ISA's remp programme: Recommendations of the REMP Advisory Committee for the period 2019-2020. Kingstown, Jamaica: **International Seabed Authority**.

### 2018

6. Miloslavich, P., N. Bax, S. Simmons, D.C. Dunn, A. Fischer (2018) Improving the Global Ocean Observing System: challenges and ways forward. ECO (Environment Coastal & Offshore) Nov/Dec 2018. pp 31-33. Available at <https://www.ecomagazine.com/magazine>.
7. Dunn, D.C., G. Ortuño Crespo\*, W. Appletans, P.N. Halpin (2018) What do we know about taxonomic biodiversity beyond national jurisdiction? Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series.
8. Warner, R., G. Wright, P. Turner, G. Ortuño Crespo\*, D.C. Dunn, G. Singh (2018) Strategic Environmental Assessment (SEA): Envisioning its Application to Marine Areas beyond National Jurisdiction (ABNJ). Deep Ocean Stewardship Initiative.

### 2017

9. Dunn, D.C., G.O. Crespo\*, F. Bulger, C. Christian, K.M. Gjerde, J.A. Jimenez, H. Muraki Gottlieb, H. Rodriguez, E. Ross, M. Spalding, D. Freestone, P.N. Halpin. (2017) Deep, distant and dynamic: critical considerations for incorporating the open-ocean into a new BBNJ treaty. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-deep-distant-and-dynamic-critical-considerations-for-incorporating-the-open-ocean-into-a-new-bbnj-treaty>.
10. Dunn, D.C., G.O. Crespo\*, M. Vierros, D. Freestone, E. Rosenthal, S. Roady, A. Alberini\*, A.-L. Harrison, A. Cisneros, J.W. Moore, M. R. Sloat, Y. Ota, R. Caddell, P.N. Halpin. (2017) Adjacency: How legal precedent, ecological connectivity, and Traditional Knowledge inform our understanding of proximity. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-adjacency-how-legal-precedent-ecological-connectivity-and-traditional-knowledge-inform-our-understanding-of-proximity>.

### 2016

11. Crespo, G. O.\* & D.C. Dunn. (2016) A review of the impacts of fisheries on open-ocean ecosystems. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-bbnj-impacts-of-fisheries>.
12. Vierros, M., Dunn, D.C., O'Hara, T., Grorud-Colvert, K., Morgan, L., Halpin, P.N. (2016) Space for conservation and sustainable use: area-based management in areas beyond national jurisdiction. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-bbnj-area-based-management>.
13. Bax, N., Harden-Davies, H., Thiele, T., Halpin, P.N., D.C. Dunn (2016) Open Data: enabling conservation and sustainable use of biodiversity in areas beyond national jurisdiction. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-bbnj-open-data>.
14. Jablonicky, C., McCauley, D., Kroodsma, D., Boerder, K., D.C. Dunn (2016) Satellite tracking to monitor area-based management tools & identify governance gaps in fisheries beyond national



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jurisdiction. Nereus Scientific & Technical Briefs on Marine Areas Beyond National Jurisdiction (ABNJ) series. <http://www.nereusprogram.org/policy-brief-bbnj-global-fishing-watch>.

15. FAO, SCBD and IUCN-CEM-FEG (2016) Report of the Expert Meeting on Improving Progress Reporting and Working Towards Implementation of Aichi Biodiversity Target 6. Rome, Italy, 9-11 February 2016. **FAO (Rome), SCBD (Montreal), IUCN-CEM-FEG (Brussels)**: 42 p.
16. SCBD (2016) Report of the expert meeting to share experiences and lessons learned on the scientific methodologies and approaches for the description of EBSAs. Berlin, Germany, 22-24 February 2016. **Convention on Biological Diversity**.

### 2015

17. Dunn, D.C. (2015) 16 Starting Points to Help Understand Dynamic Ocean Management. **OpenChannels.org**. <https://www.openchannels.org/literature-library-top-lists/top-15-dynamic-ocean-management>.
18. Dunn, D.C. (2015) The EBM Toolbox: The tools behind Dynamic Ocean Management. **Marine Ecosystems and Management**. November 2015 issue. 1 page.
19. Morato, T., J. Cleary, G.H. Taranto, F. Vandeperre, C.K. Pham, D.C. Dunn, A. Colaço, P.N. Halpin (2015) Data report: Towards development of a strategic Environmental Management Plan for deep seabed mineral exploitation in the Atlantic basin. IMAR & MGEL, Horta, Portugal. 103 pp.

### 2014

20. Garcia, S.M. (Ed.), G. Bianchi, A. Charles, J. Kolding, J. Rice, M-J Rochet; S. Zhou, G. Delius, D. Reid, P.A. van Zwieten, M. Atcheson, D. Bartley, L. Borges, A. Bundy, L. Dagorn, D.C. Dunn, M. Hall, M. Heino, B. Jacobsen, N.S. Jacobsen, R. Law, M. Makino, F. Martin, M. Skern-Mauritzen, P. Suuronen and D. Symons. Balanced Harvest in the Real World. Scientific, Policy and Operational Issues in an Ecosystem Approach to Fisheries. Report of an international scientific workshop of the **IUCN Fisheries Expert Group** (IUCN/CEM/FEG) organized in close cooperation with the **Food and Agriculture Organization of the United Nations (FAO)**, Rome, 29/09-02/10/2014. Gland (Switzerland), Brussels (Belgium) and Rome (Italy): IUCN, EBCD, FAO: 94 pages.
21. Kot, C.Y., P. Halpin, J. Cleary, D.C. Dunn. (2014) "A Review Of Marine Migratory Species and the Information Used to Describe Ecologically or Biologically Significant Areas (EBSAs)". Information document prepared by Global Ocean Biodiversity Initiative (GOBI) for the **Convention on Migratory Species**. Assessment conducted by Marine Geospatial Ecology Lab, Duke University.
22. Convention on Biological Diversity. (2014) Report of the Mediterranean regional workshop to facilitate the description of ecologically or biologically significant marine areas UNEP/CBD/EBSA/WS/2014/3/3. Secretariat of the **Convention on Biological Diversity**. Montreal, Canada. 212 pp. <http://www.cbd.int/doc/meetings/sbstta/sbstta-18/information/sbstta-18-inf-epsaws-2014-03-04-en.pdf>
23. Halpin P.N., J. Cleary, C. Curtice, B. Donnelly, D.C. Dunn, J.J. Roberts. (2014) Data to inform the CBD Mediterranean Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (EBSAs) 7 April – 11 April 2014. Prepared for the Secretariat of the **Convention on Biological Diversity** (SCBD) UNEP/CBD/EBSA/WS/2014/3/3. Montreal, Canada. 86 pp. <http://www.cbd.int/doc/meetings/mar/epsaws-2014-03/official/epsaws-2014-03-03-en.pdf>
24. Halpin P.N., J. Cleary, C. Curtice, B. Donnelly, D.C. Dunn, J.J. Roberts. (2014) Data to Inform the North-West Atlantic Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas 24 March – 28 March 2014. UNEP/CBD/EBSA/WS/2014/2/2. Prepared for the Secretariat of the **Convention on**

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**Biological Diversity.** Montreal, Canada. 86pp.

<http://www.cbd.int/doc/meetings/mar/ebsaws-2014-02/official/ebsaws-2014-02-02-en.pdf>

### <2014

25. Halpin P.N., J. Cleary, C. Curtice, B. Donnelly, D.C. Dunn, J.J. Roberts. (2013) Data to Inform the CBD North Pacific Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas 25February – 1 March 2013. UNEP/CBD/RW/EBSA/NP/1/3. Prepared for the Secretariat of the **Convention on Biological Diversity**. Montreal, Canada. 86pp. <https://www.cbd.int/doc/meetings/mar/ebsa-np-01/official/ebsa-np-01-03-en.pdf>
26. Convention on Biological Diversity. (2013) Report of the Eastern Tropical and Temperate Pacific regional workshop to facilitate the description of ecologically or biologically significant marine areas. UNEP/CBD/EBSA/WS/2014/3/3. Secretariat of the **Convention on Biological Diversity**. Montreal, Canada. 247 pp. <http://www.cbd.int/doc/meetings/mar/ebsa-ettp-01/official/ebsa-ettp-01-04-en.pdf>
27. Halpin P.N., J. Cleary, C. Curtice, B. Donnelly, D.C. Dunn, E. Klein, J.J. Roberts. (2012) Data to Inform the CBD Eastern Tropical and Temperate Pacific Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas 27-31 August 2012. UNEP/CBD/RW/EBSA/ETTP/1/3. Prepared for the Secretariat of the **Convention on Biological Diversity**. Montreal, Canada. 86 pp. <http://www.cbd.int/doc/meetings/mar/ebsa-ettp-01/official/ebsa-ettp-01-03-en.pdf>
28. Dunn, D.C. (Ed.), J. Ardron, N.Ban, N.Bax, P. Bernal, S. Bograd, C. Corrigan, P. Dunstan, E. Game, K. Gjerde, H. Grantham, P. N. Halpin, A-L. Harrison, E. Hazen, E. Lagabrielle, B. Lascelles, S. Maxwell, S. McKenna, S. Nicol, E. Norse, D. Palacios, L. Reeve, G. Shillinger, F. Simard, K. Sink, F. Smith, A. Spadone, M. Würtz. (2011) Ecologically or Biologically Significant Areas in the Open Ocean: Examples & Guidelines – Workshop Report. Gland, Switzerland: **IUCN**. 44pp. <https://portals.iucn.org/library/efiles/documents/2011-055.pdf>
29. International Seabed Authority. (2011) Environmental Management of Deep-Sea Chemosynthetic Ecosystems: Justification of and Considerations for a Spatially-Based Approach. ISA Technical Study No. 9. Kingstown, Jamaica: **International Seabed Authority**. 90pp. <http://www.isa.org.jm/sites/default/files/files/documents/tstudy9.pdf>
30. Garcia, S.M. (Ed.), J. Kolding, J. Rice, M-J Rochet, S. Zhou, T. Arimoto, J. Beyer, L. Borges, A. Bundy, D.C. Dunn et al. (2011) Selective fishing and balanced harvest in relation to fisheries and ecosystem sustainability. Report of a scientific workshop organized by the IUCN-CEM Fisheries Expert Group (FEG) and the European Bureau for Conservation and Development (EBCD) in Nagoya (Japan), 14–16 October 2010. Gland, Switzerland and Brussels, Belgium: **IUCN and EBCD**. iv + 33pp. <https://portals.iucn.org/library/efiles/documents/2011-001.pdf>
31. Curtice, C., D.C. Dunn, J.J. Roberts, P.N. Halpin. (2010) A Study on Sustainable Financing for the Development and Maintenance of Ecosystem Based Management Tools: Final Report by the Marine Geospatial Ecology Lab at Duke University for the **David and Lucille Packard Foundation**.
32. Pendleton, L., L. Crowder, D.C. Dunn, C. Fieseler, M. Gopnik, C. Latanich, M. Orbach, S. Roady, M. Turnipseed, C. van Dover (2010) Marine Protection in the Gulf of Mexico: Current policy, future options, and ecosystem outcomes. Nicholas Institute Policy Brief, pp.10-04. <https://nicholasinstitute.duke.edu/oceans/management/marine-protection-in-the-gulf-of-mexico-current-policy-future-options-and-ecosystem-outcomes>
33. Ardron, J., D.C. Dunn, C. Corrigan, K. Gjerde, P.N. Halpin, J. Rice, E. Vanden Berghe, M. Vierros (2009) Defining ecologically or biologically significant areas in the open oceans and deep seas: Analysis, tools, resources and illustrations. Report to the CBD Expert Workshop on scientific and technical guidance on the use of biogeographic classification systems and identification of marine

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areas beyond national jurisdiction in need of protection. **Global Ocean Biodiversity Initiative**; Gland Switzerland. <https://www.cbd.int/doc/meetings/mar/ewbcsima-01/other/ewbcsima-01-multiorgs-en.pdf>

### **SELECT POLICY OUTREACH** (see also grey literature publications for CBD, CMS, ISA, BBNJ)

- Generating Actionable Knowledge for the Effective Protection of Marine Migratory Species. Side event at the 13<sup>th</sup> Conference of the Parties to the Convention on Migratory Species (Global Ocean Biodiversity Initiative; 2020)
- A Global Animal Migration Atlas. Side event at the 13<sup>th</sup> Conference of the Parties to the Convention on Migratory Species (CMS Secretariat; 2020)
- Intervention on behalf of GOBI and MiCO during the 4th Meeting of the Sessional Committee of the CMS Scientific Council (ScC-SC4; 2019).
- Second Informal Meeting on Connectivity. CMS Workshop during the 4th Meeting of the Sessional Committee of the CMS Scientific Council (CMS; 2019).
- Twenty-five years of ISA's contribution to deep-sea marine scientific research and the UN Decade of Ocean Science for Sustainable Development (2021-2030). Side event at the UN Intergovernmental Conference on Marine Biodiversity Beyond Areas of National Jurisdiction 2 (International Seabed Authority and UNESCO IOC, 2019)
- Connectivity: a critical consideration in global ocean governance. Side event at the UN Intergovernmental Conference on Marine Biodiversity Beyond Areas of National Jurisdiction 2 (*Organizer*; Comisión Permanente del Pacífico Sur (CPPS), UNEP WCMC, GEF, Duke University, 2019)
- High Stakes on the High Seas. *Presenter*. Facebook Live Event. (AAAS/Science Advances, 2018)
- Facilitating global and regional cooperation in ocean science, observation, and capacity development in support of biodiversity conservation and ecosystem-based management in ABNJ. *Presenter*. Side event at the UN Intergovernmental Conference on Marine Biodiversity Beyond Areas of National Jurisdiction 1 (UNESCO IOC; 2018)
- How high seas fisheries management could be treated/bolstered by a new international legally binding instrument? *Moderator*. Side event at the UN Intergovernmental Conference on Marine Biodiversity Beyond Areas of National Jurisdiction 1 (Nereus & Bloom, 2018)
- Webinar: Marine Biodiversity Beyond National Jurisdiction in the Southeast Pacific and Southeast Atlantic (IASS, 2018)
- Information session regarding issues related to the upcoming first United Nations Intergovernmental Conference on marine biodiversity in areas beyond national jurisdiction (U.S. Department of State, 2018)
- Workshop for developing a framework for regional environmental management plans (REMPs) for polymetallic sulphide deposits on midocean ridges. *Facilitator*. (International Seabed Authority, 2018)
- The second meeting of the Sustainable Ocean Initiative (SOI) Global Dialogue with Regional Seas Organizations and Regional Fisheries Bodies on accelerating the progress towards the Aichi Biodiversity Targets (Convention on Biological Diversity, 2018)
- Expert workshop on marine protected areas and other effective areabased conservation measures for achieving aichi biodiversity target 11 in marine and coastal areas (Convention on Biological Diversity, 2018)

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- Development of a New System to Describe Migratory Connectivity in the Ocean (MiCO). *Organizer & Moderator*. Side Event at the Convention on Migratory Species 12<sup>th</sup> Conference of Parties (Global Ocean Biodiversity Initiative & Duke University, 2017)
- Workshop on the Design of Impact Reference Zones and Preservation Reference Zones (International Seabed Authority, 2017)
- Deep, distant and dynamic: critical considerations for incorporating the open-ocean into a new BBNJ treaty. *Organizer & Moderator*. Side Event at the UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 4 (Costa Rica, IUCN & NF Nereus Program, 2017)
- 2<sup>nd</sup> Scientific Council workshop on connectivity (Convention on Migratory Species, 2017)
- Making connections: social, ecological and legal connectivity between national jurisdictions and areas beyond national jurisdiction. *Organizer & Moderator*. Side Event UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 3 (Federated States of Micronesia & NF Nereus Program, 2017)
- Global Dialogue with Regional Seas Organization and Regional Fisheries Bodies on Accelerating Progress towards the Aichi Biodiversity targets (Sustainable Ocean Initiative; 2016)
- COMPASS Capitol Hill Briefing, “Our Changing Oceans: Fisheries” <http://compassblogs.org/blog/2016/06/23/tides-of-change-briefing/> (COMPASS, 2016)
- CBD Expert meeting on a draft workplan for biodiversity and acidification in cold-water areas (Convention on Biological Diversity; 2016)
- Capacity Building and Transfer of Marine Technology. Side Event at the UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 2 (Kingdom of Belgium, Republic of Fiji & IOC UNESCO, 2016)
- The Global Ocean Biodiversity Initiative: Science to inform area-based planning and management. Side Event at the UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 2 (GOBI, 2016)
- Creating integration and synergies for conservation and sustainable use of marine diversity of areas beyond national jurisdiction: case study on sustainable fisheries management. Side Event at the UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 2 (The Ocean Policy Research Institute, Sasakawa Peace Foundation & IUCN, 2016)
- Enhancing Scientific Understanding of Biodiversity Beyond National Jurisdiction through the Convention on Biological Diversity: EBSAs and Beyond. Side Event at the UN Preparatory Committee on Marine Biodiversity in Areas Beyond National Jurisdiction 1 (Convention on Biological Diversity, 2016)
- CBD Expert meeting to share experiences and lessons learned on the scientific methodologies and approaches on the description of Ecologically or Biologically Significant Areas (Convention on Biological Diversity; 2016)
- CBD Expert meeting to share experiences and lessons learned on achieving Aichi Target 11 in marine and coastal areas (Convention on Biological Diversity; 2016)
- Aichi Biodiversity Target 6: Improving Progress Reporting and Facilitating Implementation (FAO, the CBD Secretariat and the IUCN-CEM-FEG; 2016)
- UN Division of Ocean Affairs and the Law of the Sea (DOALOS; 2015)
- Global Ocean Biodiversity Initiative side event at the 10<sup>th</sup> Conference of Parties to the Convention on Biological Diversity on the description of ecologically or biologically significant areas. (2010)

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- Global Ocean Biodiversity Initiative side event. (Subsidiary Body on Science Technical and Technological Advice to the Convention on Biological Diversity on the description of ecological or biologically significant areas (2009)

### **SELECT INVITED ORAL PRESENTATIONS**

- World Conference on Marine Biodiversity (2011, 2018)
- California Environmental Associates Distant Fishing Fleets Webinar (2018)
- Scripps Institution of Oceanography, University of California San Diego, Ecology Seminar (2017)
- East Carolina University Department of Biology Seminar (2017)
- International Marine Protected Areas Congress IV (2017)
- International Marine Conservation Congress I, II, III & IV (2009, 2011, 2014, 2016)
- World Fisheries Congress (2016)
- OpenChannels.org/Marine Ecosystems and Management Webinar (2016)
- UNEP WCMC Proteus Partnership (2013)
- MPA News – High Seas Conservation webinar (2012)
- North American Congress for Conservation Biology (2012)
- United Nations Environmental Program – World Conservation Monitoring Center Weekly Seminar (2011)
- 5<sup>th</sup> International Fishers Forum: Bycatch & Marine Spatial Planning (2010)
- Technical & Policy Meetings of the Caribbean Regional Fisheries Mechanism (2008)
- International Sea Turtle Symposium (2005, 2006, 2007)
- Society for Conservation GIS (2006)
- Coastal GeoTools (2005, 2007)

### **INVITED WORKSHOPS**

- Designing the observing system for the world's ocean – from microbes to whales. 2<sup>nd</sup> Workshop. (*Organizer*; NCEAS-Future Earth PEGASuS Program, December, 2019)
- Marine Conservation @ UQ (*Organizer*; University of Queensland, December, 2019)
- Towards a standardised approach to Regional Environmental Management Plans in the Area (Germany, the Netherlands and Pew Charitable Trusts; November 2019)
- Deep Ocean Climate Considerations (*Organizer*; Scripps Institute of Oceanography & J.M. Kaplan Fund, June 2019)
- Designing the observing system for the world's ocean – from microbes to whales. 1<sup>st</sup> Workshop. (*Organizer*; NCEAS-Future Earth PEGASuS Program, March, 2019)
- High Seas Marine Protected Area Summit (UC Santa Barbara & Pew Charitable Trusts, Oct. 2018)
- Technological tools for Monitoring Control & Surveillance in Areas Beyond National Jurisdiction (IDDRI, July 2018)
- Global Ocean Observing System Plankton Essential Ocean Variable Implementation Workshop (UNESCO/IOC, June 2018)

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- Global Fishing Watch Research Workshop (Google/Global Fishing Watch, May 2018)
- High seas governance and fisheries management (Nereus + Bloom + IDDRI, May 2018)
- Towards a New International Instrument for the Conservation and Sustainable Use of Marine Biodiversity beyond National Jurisdiction (MarViva, March 2017)
- Conserving the other 50% of the world: status and opportunities in area-based management beyond national jurisdiction (*Organizer*; IMCC 4; July 2016)
- Designing a network of Areas of Particular Environmental Interest on the Mid-Atlantic Ridge (*Co-organizer*; Duke University; July 2016)
- A Conservation Agenda for Biodiversity Beyond National Jurisdiction (Cambridge Conservation Initiative; May 2016)
- Adaptation to Climate Change (Princeton & NF-UBC Nereus Program, December 2015)
- Global Marine Protected Areas Partner Summit (Marine Conservation Institute & ESRI; November 2015)
- Towards the development of a strategic environmental management plan for deep seabed mineral exploration and exploitation in the Atlantic basin (University of the Azores; June 2015)
- Future Earth Symposium on Global Biodiversity Monitoring (Future Earth; May 2015)
- Climatological vs. Contemporaneous Variables Use in Habitat Modeling (*Co-organizer*; MGEL; December 2014)
- Workshop on Balanced Harvest in the real world – Scientific, policy and operational issues in an ecosystem approach to fisheries (IUCN Fisheries Expert Group; Sept. 2014)
- Criteria for a Global Ocean Refuge System (Marine Conservation Institute; Aug. 2014)
- Mediterranean Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (Convention on Biological Diversity; Apr. 2014)
- Dynamic Ocean Management Forensics Workshop (Stanford Center for Ocean Solutions; Dec. 2013)
- Deep Pelagic Biogeography and Conservation (*Co-organizer*; MGEL/GOBI/INDEEP; July 2013)
- Emerging Perspectives on the Law, Science, and Policy of Dynamic Marine Conservation (Stanford Center for Ocean Solutions, May 2013)
- Eastern Tropical and Temperate Pacific Regional Workshop to Facilitate the Description of Ecologically or Biologically Significant Marine Areas (Convention on Biological Diversity; Aug. 2012)
- Conservation Planning in the Open Ocean (James Cook University; 2012)
- Spatial Management of Pelagic Ecosystems: Visions for the Future (*co-organizer*; IRD; 2012)
- Fisheries Leadership & Sustainability Forum: Marine Spatial Planning (Western and Central Pacific Fisheries Commission; 2011)
- Identification of Ecologically or Biologically Significant Areas in the Pelagic Realm (*Organizer*; MGEL; 2011)
- IUCN Fisheries Expert Group Workshop: Selective Fishing and Balanced Exploitation in Relation to Fisheries and Ecosystem Sustainability (IUCN Fisheries Expert Group; 2010)
- Environmental Management of Deep-Sea Chemosynthetic Ecosystems: Justification of and Considerations for a Spatially Based Approach (Duke University & INDEEP; 2010)

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- Southwest Atlantic Workshop on Bycatch of Megavertebrates (Project GloBAL; 2006)

### TEACHING EXPERIENCE

#### Classes

- Coordinator, Coastal and Marine Environmental Protection, University of Queensland (Semester 2, 2020)
- Instructor, Fisheries Biogeography & Ecology, Duke University (Spring 2019)
- Instructor, Marine Science & Conservation Leadership Capstone Seminar, Duke University (Spring 2019)
- Instructor, Fisheries Biogeography & Ecology, Duke University (Spring 2018)
- Instructor, Marine Science & Conservation Leadership Capstone Seminar, Duke University (Spring 2018)
- Instructor, International governance of areas beyond national jurisdiction, Duke University (Spring 2018; Independent study with 4 students)
- Instructor, Marine Science & Conservation Leadership Capstone Seminar, Duke University (Spring 2017)

#### Lectures

- Guest Lecturer, Ph.D. 1<sup>st</sup> Year Seminar: “Academic engagement in policy arenas”, Fall 2018
- Guest Lecturer, Marine Megavertebrates, Duke University, Spring 2018
- Guest Lecturer, Marine Policy, Duke University, Fall 2017
- Guest Lecturer, Spatial Planning for the Deep Sea in International Waters, University of Western Brittany, Fall 2016
- Guest Lecturer, Current Topics in Marine Science and Conservation, Duke University, Spring 2016
- Guest Lecturer, International Marine Law, Monterey Institute of International Studies, Spring 2016
- Guest Lecturer, Current Topics in Marine Science and Conservation, Duke University, Spring 2015
- Guest Lecturer, International Marine Law, Monterey Institute of International Studies, Spring 2015
- Teaching Assistant & Guest Lecturer, Marine Conservation Summer Institute, Duke University, Summer 2014
- Guest Lecturer, Marine Ecology, Duke University, Spring 2012
- Guest Lecturer, Miyako High School, Miyako, Iwate Prefecture, Tohoku, Japan, 2012
- Guest Lecturer, Onagawa Daiichi Junior High School, Onagawa, Miyagi Prefecture, Tohoku, Japan, 2012

### MENTORSHIPS (\* = recruitment from an underrepresented community, <sup>i</sup> = international recruitment)

- Post-Doctoral Scholars:

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- Past: Dr. Khaira Ismail<sup>i\*</sup>
- Ph.D. Students (indicates supervisory role, *p* = principal advisor):
  - Current:
    - Mercedes McLean<sup>pi\*</sup>,
  - Past:
    - Joseph Fader (Knauss Fellow @ US Dept of International Affairs)
    - Guillermo Ortuño Crespo<sup>i</sup> (Post-doc @ Stockholm Resilience Centre)
- Master's Students (master's project advisor):
  - Current: Tin Buenafe<sup>\*i</sup>, Maya Boueiz<sup>\*i</sup>
  - Past: Amalia Alberini<sup>i\*</sup> (WWF), Hannah Blondin<sup>\*</sup> (PhD student @ Stanford), Patrick McCabe, Lily Muller<sup>\*</sup>, Sarah Poulin<sup>\*</sup>, Meredith Whitten<sup>\*</sup> (PhD student at Stony Brook University), Rosa Mar Dominguez Martinez<sup>\*i</sup>
- Honours Students:
  - Past: Ella-Maree Watkins<sup>\*</sup>
- Research staff:
  - Current: Dina Nisthar<sup>\*i</sup>
  - Past: Corrie Curtice<sup>\*</sup>, Ellie Heywood<sup>\*</sup>, Sarah DeLand<sup>\*</sup>, Sarah Poulin<sup>\*</sup>, Katie O'Donnell<sup>\*</sup>, Alejandro Herrero Palacio<sup>i</sup>, Elizabeth Mason<sup>\*</sup>, Colyer Woolston, Margaret Chory<sup>\*</sup>, Claire Atkins-Davis<sup>\*</sup>

### OTHER PROFESSIONAL ACTIVITIES

- 2020-** Biology and Ecosystems Panel member, **Global Ocean Observing System (GOOS)**
- 2019 -** Connectivity Conservation Specialist Group, **IUCN World Commission on Protected Areas**
- 2019 –** Science Council, **iAtlantic** (H2020 program)
- 2018 – 2019** Informal Advisory Committee on the development of Regional Environmental Management Plans (**International Seabed Authority**)
- 2017 – 2020** Co-Chair, Biology & Ecosystems (BioEco) Panel, **Global Ocean Observing System (GOOS)**
- 2017 –** ABNJ Working Group, **Deep Ocean Stewardship Initiative (DOSI)**
- 2017 –** Science Council, **Global Ocean Refuge System (GLORES)**
- 2016 –** High Seas Specialist Group, **IUCN World Commission on Protected Areas**
- 2014** Guest Editor, ***Endangered Species Research***
- 2010 –** **Tool Development,**
  - [The Migratory Connectivity in the Ocean \(MiCO\) System](#)
  - [Marine Geospatial Ecology Tools](#)
    - Fishing Effort Envelope Tool



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- Temporal Periodicity Tools
- Spatiotemporal Autocorrelation Tools

**2009 –** Steering Committee Board Member, **Global Ocean Biodiversity Initiative**

**2007 –** **Reviewer**

- Science Advances
- Global Change Biology
- Conservation Letters
- Fish & Fisheries
- Global Ecology & Biogeography
- Global Environmental Change
- Science of the Total Environment
- Journal of Applied Ecology
- Ecological Applications
- Methods in Ecology & Evolution
- Conservation Biology
- Biological Conservation
- Scientific Reports
- Marine Ecology
- Oceanography
- Frontiers in Marine Science
- PLoS One
- ICES Journal Of Marine Science
- Animal Conservation
- Endangered Species Research
- Aquatic Conservation: Marine and Freshwater Ecosystems
- Continental Shelf Research
- Fisheries Research
- Aquatic Living Resources
- Marine Ecology Progress Series
- Deep-Sea Research Part II
- Journal of Environmental Planning & Management

### **Grant Proposal Reviews**

- sDiv
- Saltonstall-Kennedy Grant
- NASA ROSES

### **Conference Abstract Reviews**

- GeoHab Conference Proceedings
- International Marine Conservation Congress 2, 3 & 4
- Conference of the Society of Marine Mammology

## **AWARDS**

**2020** **Winner, Ocean Award, Innovation Category**, Boat International & Blue Marine Foundation

**2018** **“Highly rated” Instructor** based on course evaluations, Duke University

**2015** **Nippon Foundation Fellowship**, Nippon Foundation

**2012** **SETWG Award**, The Wildlife Society  
(awarded to MGEL for the [MGET](#) tool package)

## Daniel C. Dunn

- 2012**            **Special Achievement in GIS**, ESRI  
(awarded to MGEL for the [MGET](#) tool package)
- 2011**            **Nippon Foundation Doctoral Fellowship**, Nippon Foundation
- 2011**            **James B. Duke Fellowship**, Duke University

### UNIVERSITY SERVICE

- UQ SEES Research Committee Member (2020)
- UQ SEES Environmental Management Seminar Coordinator (2020)
- External Examiner, Isaac Brito-Morales (2019)
- Centre for Biodiversity and Conservation Science Leadership Group (2019-)
- Ph.D. Professional Development Seminar panel discussion (2018)
- Coastal Environmental Management program - Fisheries curriculum development (2016-2017)
- Coastal Environmental Management program seminar speaker (2015)
- Coastal Environmental Management program graduate admissions review (2015)
- DUML Seminar Series Coordinator (2014)
- Work/Life Balance Panel (Professional Development Series, DUML; 2014)
- NicTAC committee member (2012-2013)
- Presentation to the Mostly Marine Informal Seminar Series (2013)
- Presentation to the Society for Duke Fellows (2013)

### PROFESSIONAL AFFILIATIONS

- IUCN World Commission on Protected Areas
- Global Ocean Biodiversity Initiative
- Society for Conservation Biology
- American Geophysical Union
- The Oceanography Society
- American Association for the Advancement of Science
- American Fisheries Society
- EBM Tools Network

### WEB PRESENCE

- Applied Marine Biogeography Lab website: [marinebiogeo.org](http://marinebiogeo.org)
- Twitter: [@danielcdunn](https://twitter.com/danielcdunn) (> 1100 followers); [@Explore\\_MiCO](https://twitter.com/Explore_MiCO) (>350 followers)
- Google Scholar:
  - <http://scholar.google.com/citations?user=W1fQoOoAAAAJ&hl=en>

## Daniel C. Dunn

- h-index: 31
- >3300 citations (>2500 citations since 2015)
- Researchgate:
  - [https://www.researchgate.net/profile/Daniel\\_Dunn2](https://www.researchgate.net/profile/Daniel_Dunn2)
  - >32,500 publication reads
- LinkedIn:
  - [www.linkedin.com/in/danielcdunn](http://www.linkedin.com/in/danielcdunn)