A person smiling for the camera

Description automatically generated with low confidenceEllen L. R. Kenchington, PhD

Ellen.Kenchington@dfo-mpo.gc.ca

**Summary**

• International policy advice

• Marine biodiversity

• Benthic ecology of the continental shelf and slopes

• Impacts of fishing on benthic communities and vulnerable marine ecosystems

• Population genetics and connectivity of marine species

• Impacts of climate change on benthic species and habitats

Dr. Kenchington is a senior scientist (RES5) with Fisheries and Oceans, Canada and is based at the Bedford Institute of Oceanography in Nova Scotia. She is a national and international authority on marine biodiversity and the impacts of fishing, and has participated in numerous related expert panels and committees engaged in relaying scientific information to mangers and policy makers. Her interdisciplinary work in delineating deep-sea habitat has been an essential element of the successful international process to identify vulnerable marine ecosystems in response to international policy.

**Current Position**

Research Scientist, Bedford Institute of Oceanography 1988 – current Department of Fisheries & Oceans, Dartmouth, Canada

**Education**

PhD University of Tasmania, Hobart, Australia 1985 – 1987

MSc Distinction Dalhousie University, Halifax, Canada 1981 – 1983

BSc Honours Dalhousie University, Halifax, Canada 1981

**Relevant International Professional Experience (recent)**

International Council for the Exploration of the Sea (ICES), Copenhagen, Denmark 2017 – 2023

Canadian Member Scientific Committee (SCICOM)

UN Bureau for the World Ocean Assessment I and II, New York 2013 – 2020

Pool of Experts, Marine Genetic Resources, Chapter Author (WOAI), Co-Lead (WOAII)

FAO, Rome, Italy 2012 – 2019

Expert Advisor, Vulnerable Marine Ecosystems GEF Project

Northwest Atlantic Fisheries Organization, Halifax, Canada 2008 – current

Member of the Canadian Delegation, Member of the Working Group on Ecosystem

Science and Advice (WG-ESA)

**Relevant International Research Co-ordination Experience**

**iAtlantic**, EU H2020 Project, Edinburgh, UK 2019 – 2024

Steering Committee, NW Atlantic coordinator, Case Study Leader

**ATLAS**, EU H2020 Project 678760, Edinburgh, UK 2016 – 2021

ATLAS; A Trans-Atlantic assessment and deep-water ecosystem-based spatial

management plan for Europe <https://www.eu-atlas.org/>

Case Study Leader

Links to key papers: <https://doi.org//10.3389/fmars.2021.611358>; <https://doi.org/10.3389/fmars.2021.637078>; <https://doi.org/10.1016/j.ecolind.2020.106624>; <https://doi.org/10.1016/j.marpol.2020.104182>; <https://doi.org/10.3389/fmars.2020.00239>; <https://doi.org/10.1111/gcb.14996>; <https://doi.org/10.1111/conl.12634>

**SponGES**, EU Horizon 2020 Project 679849, Bergen, Norway 2016 – 2021

SponGES: Deep-sea Sponge Grounds Ecosystems of the North Atlantic: an integrated

approach towards their preservation and sustainable exploitation. <http://www.deepseasponges.org/>

Co-Project Co-ordinator (w. H.T. Rapp, Norway (lead); S. Pomponi, USA)

Links to key papers: <https://doi.org/10.1038/s41598-022-07292-3>; <https://doi.org/10.3389/fmars.2021.701218>; <https://doi.org/10.3389/fmars.2021.611539>; <https://doi.org/10.3389/fmars.2021.638505>; <https://doi.org/10.33389/fmars.2021.612857>; <https://doi.org/10.1038/s41598-020-76617-x>; <https://doi.org/10.3389/fmars.2020.597682>; <http://www.int-res.com/articles/feature/m657p001.pdf>; <https://www.nature.com/articles/s41598-020-74670-0>; <https://aslopubs.onlinelibrary.wiley.com/doi/10.1002/lno.11610>; <https://doi.org/10.1007/s10592-020-01305-2>; <https://doi.org/10.1128/mSystems.00473-20>; <http://advances.sciencemag.org/content/6/28/eaba9322>; <https://doi.org/10.1038/s41598-019-52250-1>; <https://doi.org/10.3354/meps12903>; <https://doi.org/10.1016/j.dsr.2018.11.007>

Northwest Atlantic Fisheries Organization (NAFO) Science and Assessment (WG-ESA) 2008-present

Scientific Organizing Committee, 4th World Conference on Marine Biodiversity 2018

**Invited Relevant Activities (2019-present)**

2022 Invited Participant. Improving Environmental Sustainability of Deep Sea Fisheries with Emphasis on the Conservation of Vulnerable Marine Ecosystems (VMES). Contract No. 01 Framework Contract EASME/EMFF/2019/014. Virtual Workshop. 28 February 2022.

2021 Invited Speaker and Panelist. European Bureau for Conservation and Development (EBCD) Secretariat of the European Parliament Intergroup on Climate Change, Biodiversity and Sustainable Development. Webinar: "Advancing progress towards the European Green Deal: OECMs’ implementation in the fisheries sector”; Outcomes of the ICES-FEG workshop- 19 October 2021.

2021 Co-Chair (w/Jake Rice, Canada). ICES/IUCN-CEM FEG Workshop on Testing OECM Practices and Strategies (WKTOPS), 15-24 March 2021, WebEx meeting.

2021 Steering Committee Member and Participant. DFO/OFI Workshop: Considering Climate Change in the Design, Monitoring and Management of Marine Conservation Area Networks in Canada. Feb 16-18, 2021. Virtual Meeting.

2021 Invited Participant. Canadian Science Advisory Secretariat (CSAS). National Workshop on Cumulative Effects (CEs) in Marine Protected Areas (MPAs). February 11, 2021. Virtual Meeting.

2021 Invited Participant. Canadian Science Advisory Secretariat (CSAS). Gully Marine Protected Area Monitoring: Review of Research Activities, Indicators, and Guidance on Next Steps. Regional Peer Review – Maritimes Region. January 18 to 22, 2021. Virtual Meeting.

2020 Invited Panelist. 3rd All-Atlantic Ocean Research Forum - From Pole to Pole, The Atlantic Ocean-A Space for Cooperation, Virtual Event, 3-4 December 2020.

2020 Steering Committee Member and Participant. Canadian Science Advisory Secretariat (CSAS). A national monitoring framework for coral and sponge areas identified as Other Effective Area-Based Conservation Measures. National Peer Review - National Capital Region. December 1 to 3, 2020. Virtual Meeting.

2020 Selected Member. International Seabed Authority Workshop on Deep Sea Taxonomic Standardization: Strategic Approaches for Collaboration. 15-16 September 2020. Teams meeting.

2020 Co-Chair (w/Peter Hopkins, Belgium). ICES Workshop on EU regulatory area options for VME protection (WKEUVME), 21-22 April, 18-20 May, 1-3 September 2020 WebEx.

2020 Invited Panelist. Fisheries and our Reefs: The Relationship between Fisheries and the Reefs. Televised panel celebrating the Coral Reefs of the Maldives. 25 February 2020 Thulusdhoo, Maldives.

2020 Invited Scientist. Maldives Coral Institute Workshop. 24 February 2020 Thulusdhoo, Maldives

2020 Invited Panelist. The All-Atlantic Ocean Research Forum, ‘A Living and Diverse Atlantic Ocean’ panel; 6-7 February 2020, Brussels, Belgium, EU.

2020 Invited Panelist. EU Horizon2020 project Blue-Cloud workshop "Improving the knowledge of our oceans and seas and bringing them closer to citizens”; 5 February, 2020, Brussels, Belgium, EU.

2020 Selected Participant, UN Decade of Ocean Science for Sustainable Development. North Atlantic Regional Workshop, Halifax, Nova Scotia, Canada, 7-10 January, 2020.

2019 Steering Committee and Invited Speaker, ABNJ Deep Sea Meeting 2019, Rome, Italy, May 7-9, 2019.

2019 Invited Speaker, BBNJ Side-event organized by FAO, United Nations, New York, 19-21 August 2019.

2019 Invited Expert, FAO Workshop on vulnerable marine ecosystems (VMEs) for the SIOFA region. First Meeting of the Protected Areas and Ecosystems Working Group (PAEWG1) at the National Research Institute of Fisheries Science in Yokohama, Japan. Yokohama, Japan, March 18-19, 2019.

**Relevant editorial experience**

Guest Associate Editor, Frontiers in Marine Science. Deep-Sea Environments and

Ecology. Topic Editor: Deep-sea Sponge Ecosystems: Knowledge-based Approach Towards Sustainable Management and Conservation, 2020-2022

Associate Editor, Aquatic Living Resources - Ecosystem Approach to Management; 2015-2020

Editorial Board, Journal of Shellfish Research, 2005-2007; 2008-2010

Co-Editor, Proceedings of the First International Deep Sea Coral Symposium, 2001

Editorial Board, Egyptian Journal of Aquatic Biology and Fisheries, 1997

**Publications**

Google Scholar h-index: 42; i10-index: 124

Researchgate RG Score: 41.03

**A. Scientific Articles in Refereed Journals, Book Chapters or Proceedings** *(including publications as E.L. Rice prior to 1996)***:**

STEFFEN, K., A. A. G. INDRANINGRAT, I. ERNGREN, J. HAGLÖF, L. E. BECKING, H. SMIDT, I. YASHAYAEV, E. KENCHINGTON, C. PETTERSSON, P. CÁRDENAS & D. SIPKEMA, 2022. Oceanographic setting influences the prokaryotic community and metabolome in deep-sea sponges. Nature Scientific Reports 12:3356. <https://doi.org/10.1038/s41598-022-07292-3>

VAN DENDEREN, P.D., H. HOLAH, L.M. ROBSON, J.G. HIDDINK, L. MENOT, D. PEDRESCHI, G. KAZANIDIS, M. LLOPE, P.J. TURNER, D. STIRLING, F.J. MURILLO, A. KENNY, N. CAMPBELL, A.L. ALLCOCK, A. BRAGA-HENRIQUES, J.M. GONZÁLEZ-IRUSTA, G. JOHNSTON, C. OREJAS, A. SERRANO, J.R. XAVIER, P. HOPKINS, E. KENCHINGTON, E. NIXON & S. VALANKO, 2021. A policy-based framework for the determination of management options to protect vulnerable marine ecosystems under the EU deep-sea access regulations. ICES Journal of Marine Science, fsab237, 1-16. <https://doi.org/10.1093/icesjms/fsab237>

TURNER, P.J., M. GIANNI, E. KENCHINGTON, S. VALANKO & D.E. JOHNSON, 2021. New scientific information can help to inform the evaluation of EU deep-sea fisheries regulations. The International Journal of Marine and Coastal Law 36:1-20. <https://doi.org/10.1163/15718085-bja10074>

WANG, S.W., E. KENCHINGTON, Z. WANG & A.J. DAVIES, 2021. Life in the fast lane: Modeling the fate of glass sponge larvae in the Gulf Stream. Frontiers in Marine Science 8:701218. <https://doi.org/10.3389/fmars.2021.701218>

COMBES, M., S. VAZ, A. GREHAN, T. MORATO, S. ARNAUD-HAOND, C. DOMINGUEZ-CARRIÓ, A. FOX, J. M. GONZÁLEZ-IRUSTA, D. E. JOHNSON, O. CALLERY, A. J. DAVIES, L. FAUCONNET, E. KENCHINGTON, C. OREJAS, J. M. ROBERTS, G. TARANTO, L. MENOT, 2021. Systematic conservation planning at an ocean basin scale: identifying a viable network of deep-sea protected areas in the North Atlantic and the Mediterranean. Frontiers in Marine Science 8:611358. <https://doi.org//10.3389/fmars.2021.611358>

WURZ, E., L. BEAZLEY, B. MACDONALD, E. KENCHINGTON, H.T. RAPP & R. OSINGA, 2021. The hexactinellid deep-water sponge *Vazella pourtalesii* (Schmidt, 1870) copes with temporarily elevated concentrations of suspended natural sediment. Frontiers in Marine Science 8:611539. <https://doi.org/10.3389/fmars.2021.611539>

MORATO, T., C. K. PHAM, L. FAUCONNET, G. H. TARANTO, G. CHIMIENTI, E. CORDES, C. DOMINGUEZ-CARRIO, P. DURAN MUÑOZ, H. EGILSDOTTIR, J. M. GONZÁLEZ-IRUSTA, A. GREHAN, D. HEBBELN, L.-A. HENRY, E. KENCHINGTON, L. MENOT, T. MOLODTSOVA, C. OREJAS, B. RAMIRO SANCHEZ, M. RAMOS, J M. ROBERTS, L. RODRIGUES, S. W. ROSS, J. L. RUEDA, M. DEL MAR SACAU CUADRADO, D. STIRLING & M. CARREIRO-SILVA, 2021. North Atlantic basin-scale multi-criteria assessment database to inform effective management and protection of Vulnerable Marine Ecosystems. Frontiers in Marine Science 8:637078. <https://doi.org/10.3389/fmars.2021.637078>

MALDONADO, M., M. LÓPEZ-ACOSTA, K. BUSCH, B. M. SLABY, K. BAYER, L. BEAZLEY, U. HENTSCHEL, E. KENCHINGTON & H.T. RAPP, 2021. A microbial nitrogen engine modulated by bacteriosyncytia in hexactinellid sponges: Ecological implications for deep-sea communities. Frontiers in Marine Science 8: 638505. <https://doi.org/10.3389/fmars.2021.638505>

BEAZLEY, L., E. KENCHINGTON, M. KORABIK, D. FENTON & M. KING, 2021. Other effective area-based conservation measure promotes recovery in a cold-water coral reef. Global Ecology and Conservation 26, e01485. <https://www.sciencedirect.com/science/article/pii/S2351989421000354>

RIOS, P., E. BAKER, L. BEAZLEY, T. CULWICK, J. CRISTOBO & E. KENCHINGTON, 2020. Increasing knowledge of biodiversity on the Orphan Knoll: a new species of *Tedania* (Tedaniopsis) Dendy, 1924. Frontiers in Marine Science 8: 612857. <https://doi.org/10.33389/fmars.2021.612857>

HANZ, U., L. BEAZLEY, E. KENCHINGTON, G. DUINEVELD, H.T. RAPP & F. MIENIS, 2020. Seasonal variability in near-bed environmental conditions in the *Vazella pourtalesii* glass sponge grounds of the Scotian Shelf. Frontiers in Marine Science 7:597682. <https://doi.org/10.3389/fmars.2020.597682>

BEAZLEY, L., E. KENCHINGTON, F.J. MURILLO, D. BRICKMAN, Z. WANG, A.J. DAVIES, E.M. ROBERTS & H.T. RAPP, 2020. Climate change winner in the deep sea: Predicting the impacts of climate change on the distribution of the glass sponge *Vazella pourtalesii*. Marine Ecology Progress Series 657: 1-23. Feature Article. <http://www.int-res.com/articles/feature/m657p001.pdf>

WANG, S., E.L. KENCHINGTON, Z. WANG, I. YASHAYAEV & A.J. DAVIES, 2020. 3-D Ocean particle tracking modeling reveals extensive vertical movement and downstream interdependence of closed areas in the northwest Atlantic. Nature Scientific Reports 10, 21421 (2020). <https://doi.org/10.1038/s41598-020-76617-x>

BART, M.C., A. DE KLUIJVER, S. HOETJES, S. ABSALAH, B. MUELLER, E. KENCHINGTON, H.T. RAPP, & J.M. DE GOEIJ, 2020. Differential processing of dissolved and particulate organic matter by deep-sea sponges and their microbial symbionts. Nature Scientific Reports 10: 17515. <https://www.nature.com/articles/s41598-020-74670-0>

MALDONADO, M., L. BEAZLEY, M. LOPEZ-ACOSTA, E. KENCHINGTON, B. CASAULT, U. HANZ, & F. MIENIS, 2020. Massive silicate utilization facilitated by a benthic-pelagic coupled feedback sustains deep-sea sponge aggregations. Limnology and Oceanography 66: 366-391. <https://aslopubs.onlinelibrary.wiley.com/doi/10.1002/lno.11610>

KAZANIDIS, G., C. OREJAS, A. BORJA, E. KENCHINGTON, L.-A. HENRY, O. CALLERY, M. CARREIRO-SILVA, H. EGILSDOTTIR, E. GIACOMELLO, A. GREHAN, L. MENOT, T. MORATO, S.A. RAGNARSSON, J. L. RUEDA, D. STIRLING, T. STRATMANN, D. VAN OEVELEN, A. PALIALEXIS, D. JOHNSON & J. M. ROBERTS, 2020. Assessing the environmental status of selected North Atlantic deep-sea ecosystems. Ecological Indicators <https://doi.org/10.1016/j.ecolind.2020.106624>

OREJAS, C., E. KENCHINGTON, J. RICE, G. KAZANIDIS, A. PALIALEXIS, D. JOHNSON, M. GIANNI, R. DANOVARO, & M. ROBERTS, 2020. Towards a common approach to the assessment of the environmental status of deep-sea ecosystems in areas beyond national jurisdiction. Marine Policy 121: 104182. <https://doi.org/10.1016/j.marpol.2020.104182>

BUSCH, K., L. BEAZLEY, E. KENCHINGTON, F. WHORISKEY, B. SLABY, & U. HENTSCHEL, 2020. Microbial diversity of the glass sponge *Vazella pourtalesii* in response to anthropogenic activities. Conservation Genetics 21: 1001–1010. <https://doi.org/10.1007/s10592-020-01305-2>

BAYER, K., K. BUSCH, E. KENCHINGTON, L. BEAZLEY, S. FRANZENBURG, J. MICHELS, U. HENTSCHEL & B.M. SLABY, 2020. Microbial strategies for survival in the glass sponge *Vazella pourtalesii*. mSystems 5(4): e00473-20. <https://doi.org/10.1128/mSystems.00473-20>

MALDONADO, M., M. LOPEZ-ACOSTA, L. BEAZLEY, E. KENCHINGTON, V. KOUTSOUVELI & A. RIESGO, 2020. Cooperation between passive and active silicon transporters clarifies the ecophysiology and evolution of biosilicification in sponges. Science Advances 6 (28): eaba9322. <http://advances.sciencemag.org/content/6/28/eaba9322>

STRATMANN, T., D. VAN OEVELEN, P. MARTINEZ ARBIZU, C.-L. WEI, J.-X. LIAO, M. CUSSON, R. SCROSATI, P. ARCHAMBAULT, P. SNELGROVE, P. RAMEY-BALCI, B. BURD, E. KENCHINGTON, K. GILKINSON, R. BELLEY & K. SOETAERT, 2020. The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. Nature Scientific Data 7, 206 (2020). <https://doi.org/10.1038/s41597-020-0551-2>

PUERTA, P., C. JOHNSON, M. CARREIRO-SILVA, L.-A. HENRY, E. KENCHINGTON, T. MORATO, G. KAZANIDIS, J.L. RUEDA, J. URRA, S. ROSS, J.M. GONZÁLEZ-IRUSTA, S. ARNAUD-HAOND, & C. OREJAS, 2020. Influence of water masses on the biodiversity and biogeography of deep-sea benthic ecosystems in the North Atlantic. Frontiers in Marine Science, 7. <https://doi.org/10.3389/fmars.2020.00239>

KENCHINGTON, T., D.E. THEMELIS, S.C. DEVANEY & E. KENCHINGTON, 2020. The meso- and bathypelagic fishes in a large submarine canyon: assemblage structure of the principal species in The Gully Marine Protected Area. Frontiers in Marine Science, 7. <https://doi.org/10.3389/fmars.2020.00181>

MORATO, T., J. M. GONZÁLEZ-IRUSTA, C. DOMINGUEZ-CARRIÓ, C.-L. WEI, A. DAVIES, A.K. SWEETMAN, G.H. TARANTO, L. BEAZLEY, A. GARCÍA-ALEGRE, A. GREHAN, P. LAFFARGUE, F.J. MURILLO, M. SACAU, S. VAZ, E. KENCHINGTON, S. ARNAUD-HAOND, O. CALLERY, G. CHIMIENTI, E. CORDES, H. EGILSDOTTIR, A. FREIWALD, R. GASBARRO, C. GUTIERREZ-ZÁRATE, M. GIANNI, K. GILKINSON, V.E. WAREHAM HAYES, D. HEBBELN, K. HEDGES, L.-A. HENRY, D. JOHNSON, M. KOEN-ALONSO, C. LIRETTE, F. MASTROTOTARO, L. MENOT, T. MOLODTSOVA, P. DURÁN MUÑOZ, C. OREJAS, M. GRAZIA PENNINO, P. PUERTA, S.A. RAGNARSSON, B. RAMIRO-SÁNCHEZ, J. RICE, J. RIVERA, M. ROBERTS, S.W. ROSS, J.L. RUEDA, I. SAMPAIO, P. SNELGROVE, D. STIRLING, M.A. TREBLE, J. URRA, J. VAD, D. VAN OEVELEN, L. WATLING, W. WALKUSZ, C. WIENBERG, M. WOILLEZ, L.A. LEVIN & M.CARREIRO-SILVA, 2020. Climate-induced changes in the suitable habitat of cold-water corals and commercially important deep-sea fishes in the North Atlantic. Global Change Biology 26 (4): 2181-2202 <https://doi.org/10.1111/gcb.14996>

MURILLO, F.J., B. WEIGEL, E. KENCHINGTON & M. BOUCHARD MARMEN, 2020. Marine epibenthic functional diversity on Flemish Cap (northwest Atlantic) – identifying trait responses to the environment and mapping ecosystem functions. Diversity and Distributions 26 (4): 460-478 <https://doi.org/10.1111/ddi.13026>

MURILLO, F.J., E. KENCHINGTON, M. KOEN-ALONSO, J. GUIJARRO, T.J. KENCHINGTON, M. SACAU, L. BEAZLEY & H.T. RAPP, 2020. Mapping benthic ecological diversity and interactions with bottom-contact fishing on the Flemish Cap (northwest Atlantic). Ecological Indicators 112: 106135. <https://doi.org/10.1016/j.ecolind.2020.106135>

WEI, C.-L., M. CUSSON, P. ARCHAMBAULT, R. BELLEY, T. BROWN, B.J. BURD, E. EDINGER, E. KENCHINGTON, K. GILKINSON, P. LAWTON, H. LINK, P.A. RAMEY-BALCI, R.A. SCROSATI & P.V.R. SNELGROVE, 2020. Seafloor Biodiversity of Canada’s Three Oceans: patterns, hotspots, and potential drivers. Diversity and Distributions 26(2):226-241. <https://doi.org/10.1111/ddi.13013>

PHAM, C.K., F. J. MURILLO, C. LIRETTE, M. MALDONADO, A. COLACO & E. KENCHINGTON, 2019. Removal of deep-sea sponges by bottom trawling in the Flemish Cap area: conservation, ecology and economic assessment. Nature Scientific Reports 9: 15843. <https://doi.org/10.1038/s41598-019-52250-1>

KENCHINGTON, E., B.W. MACDONALD, A. COGSWELL, L.C. HAMILTON & A.P. DIZ, 2019. Sex-specific effects of hybridization on reproductive fitness in *Mytilus*. Special Issue: Doubly Uniparental Inheritance. Journal of Zoological Systematics and Evolutionary Research 58 (2): 581-597. <https://doi.org/10.1111/jzs.12348>

HAWKES, N., M. KORABIK, L. BEAZLEY, H.T. RAPP, J.R. XAVIER & E. KENCHINGTON, 2019. Glass sponge grounds on the Scotian Shelf and their associated biodiversity. Marine Ecology Progress Series 614: 91-109. <https://doi.org/10.3354/meps12903>

JOHNSON, D. & E. KENCHINGTON, 2019. Should potential for climate change refugia be considered as an eighth criterion for describing EBSAs? Conservation Letters 12 (4): e12634. <https://doi.org/10.1111/conl.12634>

HAMEL, J.-F., J. SUN, B.L. GIANASI, E.M. MONTGOMERY, E.L.R. KENCHINGTON, B. BUREL, S. ROWE, P. WINGER & A. MERCIER, 2019. Active buoyancy adjustment increases dispersal potential in benthic marine animals. Journal of Animal Ecology 88 (6): 820-832. <https://doi.org/10.1111/1365-2656.12943>

KOEN-ALONSO, M., P. PEPIN, M.J. FOGARTY, A. KENNY & E. KENCHINGTON, 2019. The Northwest Atlantic Fisheries Organization Roadmap for the development and implementation of an Ecosystem Approach to Fisheries: structure, state of development, and challenges. Marine Policy 100: 342-352.

KENCHINGTON, E., Z. WANG, C. LIRETTE, F.J. MURILLO, J. GUIJARRO, I. YASHAYAEV & M. MALDONADO, 2019. Connectivity modelling of areas closed to protect Vulnerable Marine Ecosystems in the northwest Atlantic. Deep Sea Research Part I 143: 85-103. <https://doi.org/10.1016/j.dsr.2018.11.007>

BEAZLEY, L., Z. WANG, E. KENCHINGTON, I. YASHAYAEV, H.T. RAPP, J.R. XAVIER, F.J. MURILLO, D. FENTON & S. FULLER. 2018. Predicted distribution of the glass sponge *Vazella pourtalesi* on the Scotian Shelf and its persistence in the face of climatic variability. PLoS ONE 13(10): e0205505.

MURILLO, F.J., E. KENCHINGTON, G. TOMPKINS, L. BEAZLEY, E. BAKER, A. KNUDBY, & W. WALKUSZ. 2018. Sponge assemblages and predicted archetypes in the eastern Canadian Arctic. Marine Ecology Progress Series 597: 115-135.

MURILLO, F.J., B. MACDONALD, E. KENCHINGTON, S. CAMPANA, B. SAINTE-MARIE & M. SACAU. 2018. Morphometry and growth of sea pen species from dense habitats in the Gulf of St. Lawrence, eastern Canada. Marine Biology Research 14(4): 366-382. <https://doi.org/10.1080/17451000.2017.1417604>

JOHNSON, D., M.A. FERREIRA & E. KENCHINGTON. 2018. Climate change is likely to severely limit the effectiveness of deep-sea ABMTs in the North Atlantic. Marine Policy 87: 111-122.

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RINCÓN, B. & E. KENCHINGTON, 2016. Influence of benthic macrofauna as a spatial structuring agent for juvenile haddock (*Melanogrammus aeglefinus*) on the Eastern Scotian Shelf, Atlantic Canada. PLoS ONE 11(9): e0163374.

JORQUERA, E., E. KENCHINGTON & D.E. RUZZANTE, 2016. High prevalence of multiple paternity in the deep-sea shrimp *Acanthephyra pelagica*. Marine Biology 163(4): 89, 11p. published online. <https://doi.org/10.1007/s00227-016-2868-0>

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## B. Other Refereed Research Publications (2019 – Present; 113 earlier publications available upon request)

KORABIK, M., E. BAKER, L. BEAZLEY, S. THOMPSON, M. BOUCHARD MARMEN & E. KENCHINGTON, 2021. A Pictorial Guide to the Epibenthic Megafauna of the Lophelia Coral Conservation Area Identified from In Situ Benthic Images. Canadian Technical Report of Fisheries and Aquatic Sciences 3430: v + 142 p. <http://waves-vagues.dfo-mpo.gc.ca/Library/40961886.pdf>

BLASIAK, R., KENCHINGTON, E. (joint conveners), ARRIETA, J.M., BERMÚDEZ-MONSALVE, J.R., CALUMPONG. H. (co-lead member), CHANGWEI, S., CHIBA, S. (lead member), DIONISI, H., GARCIA-SOTO, C. (co-lead member), VIEIRA, H. & WAWRIK, B. Chapter 23. Developments in the exploration for and use of marine genetic resources. In: The Second World Ocean Assessment, World Ocean Assessment II. Volume II. United Nations (ed.), United Nations, New York, USA, pp. 363-380.

LIRETTE, C., E. KENCHINGTON, F.J. MURILLO, A.-L. DOWNIE, & A. KENNY, 2021. Biomass Estimates for Vulnerable Marine Ecosystems in the NAFO Regulatory Area. NAFO Scientific Council Research Documents 20/072, Serial No. N7150. 46 pp. DOI: 10.13140/RG.2.2.13684.88963 <https://www.nafo.int/Portals/0/PDFs/sc/2020/scr20-072.pdf>

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**C. Non-refereed Contributions (2019 – Present; 81 earlier publications available upon request)**

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