

Curriculum Vitae Martin Emil Blicher

Senior scientist, Greenland Climate Research Centre, Greenland Institute of Natural Resources, Greenland

Email: mabl@natur.gl, Tel. +299361249

Born: October 12, 1977 in Aarhus, Denmark. Married, three children

EMPLOYMENTS:

- 2012-present Senior scientist, Greenland Climate Research Centre, Greenland Institute of Natural Resources, Nuuk, Greenland
- 2010-12 Research scientist (Post Doc), Greenland Climate Research Centre, Greenland Institute of Natural Resources, Nuuk, Greenland
- 2007-2010 PhD stipendiate, Department of Marine Ecology and Climate Impacts, Greenland Institute of Natural Resources, Nuuk, Greenland
- 2006 Research assistant, Greenland Institute of Natural Resources, Nuuk, Greenland

EDUCATION:

- 2010 PhD, University of Copenhagen
- 2006 Cand. Scient. in Biology, Aarhus University
- 2004 Bachelor of Science in Biology, Aarhus University

RESEARCH AREAS:

Marine ecosystem structure and function
Intertidal Ecology
Marine carbon cycling in the Arctic
Population dynamics, energetic and diversity of macrozoobenthos
Impacts of climate and human activities on marine ecosystems

REFEREE ACTIVITIES:

Deep Sea Research II, Marine Ecology-Progress Series, Marine Biology, Journal of Experimental Marine Biology and Ecology, Marine Biology Research, Polar Biology, Frontiers in Marine Science, Arctic

MEMBERSHIPS:

The Benthos Expert Group of the Circumpolar Biodiversity Monitoring Programme (CBMP) under the Arctic Council (CAFF) – network lead 2015

PARTICIPATION IN SCIENTIFIC CRUISES:

20+ Arctic field campaigns on ships or research stations

BIBLIOGRAPHIC DATA:

September 2015: 24 published peer review publications, 176 citations, H-factor 8. 29 scientific reports or report contributions (non-reviewed). 6 outreach products. 21 contributions to scientific meetings and workshops.

PUBLICATIONS

Peer review publications:

26. Thyrring J, Juhl BK, Holmstrup M, Blicher ME, Sejr MK (2015) Does acute lead (Pb) contamination influence membrane fatty acid composition and freeze tolerance in intertidal blue mussels in arctic Greenland? *Ecotoxicology*, DOI: 10.1007/s10646-015-1539-0
25. Krawczyk DW, Arendt KE, Juul-Pedersen T, Sejr MK, Stedmon C, Jakobsen HH (2015) Spatial and temporal distribution of planktonic protists (>20µm) in the East Greenland fjord and offshore waters. *Marine Ecology Progress Series*, DOI: 10.3354/meps11439
24. Yesson C, Simon P, Chemshirova I, Gorham T, Turner CJ, Hammeken Arboe N, Blicher ME & Kemp KM (2015) Community composition of epibenthic megafauna on the West Greenland Shelf. *Polar Biology* DOI 10.1007/s00300-015-1768-y

23. Juul-Pedersen T, Arendt KE, Mortensen J, Blicher M, Schrøder DS, Rysgaard S (2015) Seasonal and interannual phytoplankton production in a sub-Arctic tidewater outlet glacier fjord, SW Greenland. *Marine Ecology Progress Series*, Vol. 524: p. 27-38
22. Krause-Jensen D, Duarte CM, Hendriks IE, Meire L, Blicher ME, Marbà N, Sejr MK (2015) Macroalgae contribute to nested mosaics of pH variability in a sub-Arctic fjord, *Biogeosciences* 12:4895-4911, DOI: 10.5194/bg-12-4895-2015
21. Krause-Jensen D, Duarte CM, Hendriks IE, Meire L, Blicher ME, Marbà N, Sejr MK (2015) Nested scales of pH variability in sub-Arctic Kobbefjord, SW Greenland", *DIGITAL.CSIC*, <http://hdl.handle.net/10261/112946>
20. Thyrring J, Rysgaard S, Blicher ME, Sejr MK (2015) Metabolic cold adaptation and aerobic performance of blue mussels (*Mytilus edulis*) along a temperature gradient into the High Arctic region. *Marine Biology* 162(1):235-243, DOI 10.1007/s00227-014-2575-7
19. Høgslund S, Sejr MK, Wiktor Jr J, Blicher ME, Wegeberg S (2014) Intertidal community composition along rocky shores in South-west Greenland: a quantitative approach. *Polar Biology* DOI 10.1007/s00300-014-1541-7
18. Hedeholm R, Blicher ME, Grønkjær P (2014) First estimates of age and production of lumpsucker (*Cyclopterus lumpus*) in Greenland. *Fisheries Research* 149:1-4
17. Blicher ME, Sejr MK, Høgslund S (2013) Population structure of *Mytilus edulis* in the intertidal zone in a sub-Arctic fjord, SW Greenland. *Marine Ecology-Progress Series* 487:89-100
16. Josefson AB, Mokievsky V, Bergmann M, Blicher ME, Bluhm B, Cochrane S, Denisenko NV, Hasemann C, Jørgensen LL, Klages M, Schewe I, Sejr MK, Soltwedel T, Wesławski JM and Włodarska-Kowalczyk M (2013) Marine Invertebrates in CAFF 2013. Arctic Biodiversity Assessment. Status and trends in Arctic biodiversity. Conservation of Arctic Flora and Fauna, Akureyri, pp 557.
15. Arendt KE, Juul-Pedersen T, Mortensen J, Blicher ME, Rysgaard S (2013) A 5-year study of seasonal patterns in mesozooplankton community structure in a sub-Arctic fjord reveals dominance of *Microsetella norvegica* (Crustacea, Copepoda). *Journal of Plankton Research* 35(1):105-120, doi: 10.1093/plankt/fbs087
14. Bluhm BA, Grebmeier JM, Archambault P, Blicher ME, Guðmundsson G, Iken K, Lindal Jørgensen L, Mokievsky V (2012) Benthos In Arctic Report Card 2012 – tracking recent environmental changes (<http://www.arctic.noaa.gov/reportcard/benthos.html>)
13. Versteegh EAA, Blicher ME, Mortensen J, Rysgaard S, Als TD, Wanamaker Jr. D (2012) Oxygen isotope ratios in the shell of *Mytilus edulis*: archives of glacier meltwater in Greenland? *Biogeosciences* 9: 5231-5241
12. Rysgaard S, Mortensen J, Juul-Pedersen T, Sørensen LL, Lennert K, Søgaard D, Arendt KE, Sejr MK and Blicher ME (2012) High air-sea CO₂ uptake rates in near shore areas and shelf areas of Southern Greenland: Temporal and spatial variability. *Marine Chemistry* doi:10.1016/j.marchem.2011.11.002
11. Blicher ME, Rasmussen LM, Sejr MK, Merkel FR, Rysgaard S (2011) Abundance and energy requirements of eiders (*Somateria* spp.) suggest high predation pressure on macrobenthic fauna in a key wintering habitat in SW Greenland. *Polar Biology* 34(8):1105-1116, DOI: 10.1007/s00300-011-0968-3
10. Blicher M.E., Sejr M.K. (2011) Abundance, oxygen consumption and carbon demand of brittle stars in Young Sound and the NE Greenland shelf. *Marine Ecology Progress Series* 422:139-144, doi 10.3354/meps08915
9. Glud R.N., Berg P., Hume A., Batty P., Blicher M.E., Lennert K., Rysgaard S. (2010) Benthic O₂ exchange rates across hard bottom substrates quantified by eddy correlation in a sub-Arctic fjord system. *Marine Ecology Progress Series* 417:1-12
8. Blicher M.E., Clemmesen C., Rysgaard S., Sejr M.K. (2010) Seasonal and spatial variation in the RNA:DNA ratio and its relation to growth for sub-Arctic scallops. *Marine Ecology Progress Series* 407:87-98
7. Blicher M.E., Rysgaard S., Sejr M.K. (2010) Seasonal growth variation of *Chlamys islandica* (Bivalvia) in sub-Arctic Greenland is linked to food availability and temperature. *Marine Ecology Progress Series* 407:71-86
6. Sejr M.K., Włodarska-Kowalczyk M., Legeżyńska J., Blicher, M.E. (2010) Macrobenthic species composition and diversity in the Godthaabsfjord system, SW Greenland. *Polar Biology* 33:421-431
5. Sejr M.K., Blicher M.E., Rysgaard S. (2009) Sea ice cover affects inter-annual and geographic variation in growth of the Arctic cockle *Clinocardium ciliatum* (Bivalvia) in Greenland. *Marine Ecology Progress Series* 89:149-158
4. Blicher M.E., Sejr M.K., Rysgaard S. (2009) High carbon demand of dominant macrozoobenthic species indicates their central role in ecosystem carbon flow in a sub-Arctic fjord. *Marine Ecology Progress Series* 383:127-140

3. Rysgaard S., Glud R.N., Sejr M.K., Blicher M.E. and Stahl H.J. (2008) Denitrification activity and oxygen dynamics in Arctic sea ice. *Polar Biology* 31:527-537
2. Sejr M.K., Nielsen T.G., Rysgaard S., Risgaard-Petersen N., Sturluson M. and Blicher M.E. (2007) The fate of pelagic organic carbon and importance of the pelagic-benthic coupling in a shallow cove in Disko Bay, West Greenland. *Marine Ecology Progress Series* 341:75-88
1. Blicher M.E., Rysgaard S. and Sejr M.K. (2007) Growth and production of sea urchin, *Strongylocentrotus droebachiensis*, in a High-Arctic fjord, and growth along a climatic gradient (64 to 77°N). *Marine Ecology Progress Series* 341:89-102

Reports:

29. Blicher ME, Hammeken Arboe N, Jørgensen LL, Burmeister A, Gudmundson G, Olafsdottir SH, Sørensen J, Kenchington E and Archambault P (2015) Development of minimum standards for long-term monitoring of marine bottom-living fauna communities in the Arctic-Atlantic: Pilot study in Greenland. Technical Report nr. 94, Greenland Institute of Natural Resources, Greenland. ISBN 87-91214-71-8, ISSN 1397-3657. 39 pp.
28. Juul-Pedersen T, Arendt KE, Mortensen J, Krawczyk D, Rysgaard S, Retzel A, Nygaard R, Burmeister A, Krause-Jensen D, Marbà N, Olesen B, Sejr MK, Blicher ME, Meire L, Geertz-Hansen O, Labansen AL, Boye T and Simon M (2014) The MarineBasis programme *In* Jensen, LM and Rasch M (eds.) 2014. Nuuk Ecological Research Operations, 7th Annual Report, 2013. Aarhus University, DCE – Danish Centre for Environment and Energy. 94 pp.
27. Rasmussen I, Blicher ME, Juul-Pedersen T, Sejr MK, Middelboe M (2013) Role of bacteria in pelagic carbon turnover in low Arctic Godthåbsfjord, Greenland *In* Jensen, LM and Rasch M (eds.) 2013. Nuuk Ecological Research Operations, 6th Annual Report, 2012. Aarhus University, DCE – Danish Centre for Environment and Energy. 92 pp
26. Juul-Pedersen T, Arendt KE, Mortensen J, Rysgaard S, Søgaard DH, Retzel A, Nygaard R, Burmeister A, Sejr MK, Blicher ME, Krause-Jensen D, Marbà N, Merzouk A, Labansen AL, Geertz-Hansen O, Boye T, Simon M (2013) Nuuk Basic: The MarineBasis programme *In* Jensen, LM and Rasch M (eds.) 2013. Nuuk Ecological Research Operations, 6th Annual Report, 2012. Aarhus University, DCE – Danish Centre for Environment and Energy. 92 pp
24. Sejr MK, Juul-Pedersen T, Bruhn A, Stedmon C, Blicher ME, Dalsgaard T, Petersen NF, McGinnis DF, Krawczyk D (2012) Pelagic carbon cycling under influence of a melting ice cap *In* Jensen, L.M. (ed.) 2012. Zackenberg Ecological Research Operations, 17 th Annual Report, 2011. Aarhus University, DCE – Danish Centre for Environment and Energy. 120 pp.
23. Sejr MK, Juul-Pedersen T, Frandsen E, Blicher ME and Lennert I (2012) Zackenberg Basic: The MarineBasis programme *In* Jensen, L.M. (ed.) 2012. Zackenberg Ecological Research Operations, 17 th Annual Report, 2011. Aarhus University, DCE – Danish Centre for Environment and Energy. 120 pp.
22. Juul-Pedersen T, Arendt KE, Mortensen J, Retzel A, Nygaard R, Burmeister A, Sejr MK, Blicher ME, Krause-Jensen D, Olesen B, Labansen AL, Rasmussen LM, Witting L, Boye T, Simon M and Rysgaard S (2012) NUUK BASIC: The MarineBasis programme *In* Jensen, L.M. (ed.) 2012. Nuuk Ecological Research Operations, 5 th Annual Report, 2011. Aarhus University, DCE – Danish Centre for Environment and Energy. 84 pp.
21. Schiedek D, Frederiksen M, Dünweber M & Blicher ME (2012) Impacts of climate change *in* Frederiksen, M., Boertmann, D., Ugarte, F. & Mosbech, A. (eds) 2012. South Greenland. A preliminary Strategic Environmental Impact Assessment of hydrocarbon activities in the Greenland sector of the Labrador Sea and the southeast Davis Strait. Aarhus University, DCE – Danish Centre for Environment and Energy, 220 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 23 <http://www.dmu.dk/Pub/SR23.pdf>
20. Blicher ME and Sejr MK (2012) Benthos *in* Frederiksen, M., Boertmann, D., Ugarte, F. & Mosbech, A. (eds) 2012. South Greenland. A preliminary Strategic Environmental Impact Assessment of hydrocarbon activities in the Greenland sector of the Labrador Sea and the southeast Davis Strait. Aarhus University, DCE – Danish Centre for Environment and Energy, 220 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 23 <http://www.dmu.dk/Pub/SR23.pdf>
19. Schiedek D, Frederiksen M, Dünweber M & Blicher ME (2012) Impacts of climate change *in* Merkel, F., Boertmann, D., Mosbech, A. & Ugarte, F (eds). 2012. The Davis Strait. A preliminary strategic environmental impact assessment of hydrocarbon activities in the eastern Davis Strait. Aarhus University, DCE – Danish Centre

for Environment and Energy, 280 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 15. <http://www.dmu.dk/Pub/SR15.pdf>.

18. Blicher ME and Sejr MK (2012) Benthos *in* Merkel, F., Boertmann, D., Mosbech, A. & Ugarte, F (eds). 2012. The Davis Strait. A preliminary strategic environmental impact assessment of hydrocarbon activities in the eastern Davis Strait. Aarhus University, DCE – Danish Centre for Environment and Energy, 280 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 15. <http://www.dmu.dk/Pub/SR15.pdf>.

17. Sejr MK, Batty P, Josefson A, Blicher ME, Hansen J, Rysgaard S (2011) Benthic fauna *in* Boertmann D & Mosbech A (eds.) 2011. Eastern Baffin Bay - A strategic environmental impact assessment of hydrocarbon activities. Aarhus University, DCE – Danish Centre for Environment and Energy, 270 pp. - Scientific Report from DCE – Danish Centre for Environment and Energy no. 9.

16. Juul-Pedersen T, Rysgaard S, Batty P, Mortensen J, Arendt KE, Retzel A, Nygaard R, Burmeister A, Martinsen W, Sejr MK, Blicher ME, Krause-Jensen D, Christensen PB, Marbà N, Olesen B, Labansen AL, Rasmussen LM, Witting L, Boye T and Simon M (2011) Nuuk Basic: The MarineBasis programme in Jensen, L. M. & Rasch, M. (eds.) 2011. NERO - Nuuk Ecological Research Operations. 4rd Annual Report 2010. Aarhus University, DCE – Danish Centre for Environment and Energy. 84 pp

15. Rasmussen LM, Blicher ME, Sejr MK, Merkel FR, Rysgaard S (2010) Evidence for strong trophic coupling between macrobenthos and wintering eiders in Nipisat Sound, SW Greenland. In: Jensen LM and Rasch M (eds.) Nuuk Ecological Research Operations, 3rd. Annual Report, 2009. National Environmental Research Institute, Aarhus University, Denmark. 80 pp.

14. Glud RN, Batty P, Berg P, Blicher ME, Møller EF, Glud A, Hume A, Lennert K, Nielsen TG, Tang K, Rysgaard S (2010) Oxygen turn-over; from pelagic micropellets to complex benthic surfaces In Jensen, L. M. & Rasch, M. (eds.) 2010. NERO - Nuuk Ecological Research Operations. 3rd Annual Report 2009. Roskilde, National Environmental Research Institute, Aarhus University.

13. Juul-Pedersen T, Rysgaard S, Batty P, Mortensen J, Retzel A, Nygaard R, Burmeister A, Sjøgaard D, Martinsen W, Sejr MK, Blicher ME, Krause-Jensen D, Christensen PB, Marba N, Olesen B, Labansen A, Rasmussen LM, Witting L, Simon M, Ugarte F (2010) Nuuk Basic: The MarineBasis programme in Jensen, L. M. & Rasch, M. (eds.) 2010. NERO - Nuuk Ecological Research Operations. 3rd Annual Report 2009. Roskilde, National Environmental Research Institute, Aarhus University.

12. Sejr MK, Batty P, Josefson A, Blicher ME, Hansen J, Rysgaard S (2010) Survey of macrobenthic invertebrates in the eastern Baffin Bay including estimates of biogeochemical activity and PAH levels of the sediment. Report to the Bureau of Minerals and Petroleum, Greenland Home Rule. 22 pp.

11. Sejr M.K., Rysgaard S., Juul-Petersen T., Frandsen E., Lennert K., Batty P. , Blicher M.E. (2010) Zackenberg Basic: The MarineBasic Programme *in* Jensen L.M. and Rasch M. (eds.) Zackenberg Ecological Research Operations, 15th Annual Report 2009. National Environmental Research Institute, Aarhus University, Denmark, 134 pp.

10. Boertmann, D., Mosbech, A., Schiedek, D. & Johansen, K. (eds) 2009. The eastern Baffin Bay. A preliminary strategic environmental impact assessment of hydrocarbon activities in the KANUMAS West area. National Environmental Research Institute, Aarhus University, Denmark. 238 pp. – NERI Technical report no. 720. <http://www.dmu.dk/Pub/FR720.pdf>. With contributions of Sejr M.K. & Blicher M.E

9. Boertmann, D., Mosbech, A., Schiedek, D. & Johansen, K. (eds) 2009. The western Greenland Sea. A preliminary strategic environmental impact assessment of hydrocarbon activities in the KANUMAS East area. National Environmental Research Institute, Aarhus University, Denmark. 246 pp. – NERI Technical report no. 719. <http://www.dmu.dk/Pub/FR719.pdf>. With contributions of Sejr M.K. & Blicher M.E

8. Blicher ME, Rasmussen LM, Sejr MK (2009) The trophic coupling between overwintering eider ducks and macrobenthos in Nipisat Sund in Godthåbsfjord, Greenland *In*: Nuuk Ecological Research Operations: 2nd Annual Report 2008. eds. Lilian Magelund Jensen LM, Rasch M. National Environmental Research Institute, Aarhus University, 2009.

7. Juul-Pedersen T., Rysgaard S., Batty P., Mortensen J., Retzel A., Nygaard R., Burmeister A., Mikkelsen D., Sejr M.K., Blicher M.E., Krause-Jensen D., Christensen P.B., Labansen A.L., Rasmussen L.M., Simon M., Boye T.K., Madsen P.T. and Ugarte F. (2009): Nuuk Basic: The MarineBasic Programme 2008. In: Jensen, L.M. and Rasch, M. (Eds.) 2009. Nuuk Ecological Research Operations, 2nd Annual Report, 2008. – Department of Arctic Environment, National Environmental Research Institute, Aarhus University, Denmark, 80 pp.

6. Blicher, M., Josefson A, Batty P, Schiedek D, Sejr MK, Hansen J & Rysgaard S (2008) Benthic fauna in ecological key areas along the coast of Northwest Greenland. Greenland Institute of Natural Resources, National Environmental Research Institute. Cruise Report, pp 12
5. Blicher ME, Sejr MK, Rysgaard S (2008) Faster growth and higher production of benthic fauna in sub-arctic compared to high-arctic Greenland *In*: Jensen, L. M. and Rasch, M. (Eds.) 2008. Nuuk Ecological Research Operations, 1st Annual Report, 2007. - Copenhagen, Danish Polar Centre, Danish Agency for Science, Technology and Innovation, Ministry of Science, Technology and Innovation, 2008.
4. Blicher ME (2008) Population dynamics of marine macrobenthos in Greenland – ecological role and effects of climate variation *In*: Jensen, L. M. and Rasch, M. (Eds.) 2008. Nuuk Ecological Research Operations, 1st Annual Report, 2007. - Copenhagen, Danish Polar Centre, Danish Agency for Science, Technology and Innovation, Ministry of Science, Technology and Innovation, 2008.
3. Sejr MK and Blicher ME (2008) Diversity, abundance and biomass of the macrobenthic community in Godthåbsfjord *In*: Jensen, L. M. and Rasch, M. (Eds.) 2008. Nuuk Ecological Research Operations, 1st Annual Report, 2007. - Copenhagen, Danish Polar Centre, Danish Agency for Science, Technology and Innovation, Ministry of Science, Technology and Innovation, 2008.
2. Mikkelsen D.M., Rysgaard S., Mortensen J., Retzel A., Nygaard R., Juul-Pedersen T., Sejr M.K., Blicher M.E., Krause-Jensen D., Christensen P.B., Labansen A., Egevang C., Witting L., Boye T.K., Simon M. and Frederiksen M. (2008): Nuuk Basic: The MarineBasic Programme 2007. *In*: Jensen, L. M. and Rasch, M. (Eds.) 2008. Nuuk Ecological Research Operations, 1st Annual Report, 2007. - Copenhagen, Danish Polar Centre, Danish Agency for Science, Technology and Innovation, Ministry of Science, Technology and Innovation, 2008.
1. Rysgaard S., Frandsen E., Sejr M.K., Dalsgaard T., Blicher M.E. and Christensen P.B. (2005) Zackenberg Basic: The MarineBasic Programme. *in* Rasch M. & Caning K. "Zackenberg Ecological Research Operations, 10th Annual Report 2004." Danish Polar Center, Ministry of Science, Technology and Innovation. 100 pp

Theses:

[Blicher M.E. \(2010\)](#) Structure and dynamics of marine macrozoobenthos in Greenland – and the link to environmental drivers. PhD thesis. Greenland Institute of Natural Resources & Department for Biology, University of Copenhagen. Greenland Institute of Natural Resources, 162 pp (Supervisor: Prof. Ronnie N. Glud, rnglud@biology.sdu.dk)

Blicher M.E. (2006) Growth and production of benthic macrofauna in the Arctic – effects of future climate changes. M.Sc. thesis. Dept. for Marine Ecology, Aarhus University (Supervisor: Lecturer, Lic Scient K. Thomas Jensen kthomas@biology.au.dk)

MEMBERSHIPS:

The Benthos Expert Network of the Circumpolar Biodiversity Monitoring Programme (CBMP) since 2012. Network lead 2015

PARTICIPATION IN SCIENTIFIC CRUISES:

20+ Arctic field campaigns on ships or research stations

CONTRIBUTIONS TO SCIENTIFIC MEETINGS AND WORKSHOPS:

22. Golikov A, Sabirov RM, Lubin PA, Zakharov DV, Jørgensen LL and Blicher ME (2015) Recent cephalopod fauna of the western part of the Arctic under the pressure of ongoing climate changes. Cephalopod International Advisory Council. Nov. 2015, Hakodate, Japan

21. Sejr MK, Bruhn A, Dalsgaard T, Pedersen TJ, Blicher ME, Stedmon C., Petersen NF, Richardson K. & Meire L. (2015) Glacial meltwater as an important driver for carbon cycling and air-sea exchange of CO₂ in a Greenland fjord (Poster). Gordon Research Conference: Polar Shelves and Shelf Break Exchange in Times of Rapid Climate Warming. March 15-20, 2015. Renaissance Tuscany Il Ciocco, Lucca (Barga), Italy

20. Thyrring J, Blicher ME, Sørensen JG, Wegeberg S & Sejr MK (2015) In a mussel-shell – physiology affects ecology in a changing Arctic (Poster). Gordon Research Conference: Polar Shelves and Shelf Break Exchange in Times of Rapid Climate Warming. March 15-20, 2015. Renaissance Tuscany Il Ciocco, Lucca (Barga), Italy
19. Blicher ME (2015) Mapping and monitoring of benthic fauna in the Arctic-Atlantic – presentation of presidency project in Nordic Council of Ministers. Nordic Seminar, February 11, 2015, Nuuk, Greenland.
18. Ramajo L., Pérez-León E., Hendriks IE, Marbà N., Krause-Jensen D., Sejr M., Blicher M., Lagos N.A., Olsen Y. and Duarte CM (2015) Drivers of Mollusc Performance: Food supply vs. Carbonate Saturation State. Aquatic Sciences Meeting Aquatic Sciences: Global And Regional Perspectives – North Meets South, 22-27 February 2015, Granada, Spain
17. Jørgensen L.L, Ljubin P. Guðmundsson G., Ólafsdóttir, S.H., Blicher M., Hammeken, N. Archambault P., Iken K., Bluhm, B., Sørensen J., Denisenko N. Denisenko S. (2014) MONITORING ARCTIC BENTHIC LIFE. The Circumpolar Biodiversity Monitoring Program's Benthos Expert Network. *ABA Conference 2014. Trondheim 2-4 Dec* (Poster)
16. Gaillard B., Meziane T., Tremblay R., Archambault P., Blicher M., Rysgaard S., Chauvaud L. and Olivier F. (2014) Determining the diet of bivalve *Astarte* spp. in a subarctic fjord. *Physiomar 2014*, 3-9 novembre 2014, La Coruna, Chile
15. Blicher ME & Hammeken N (2014) Initiating North Atlantic Benthos Monitoring. Annual meeting in Circumpolar Biodiversity Monitoring Program (CBMP), September 2014, Nuuk, Greenland
14. Olivier F, Gaillard B, de Cesare S, Richard J, Tremblay R, Meziane T, Thébaud J, Chauvaud L, Archambault P, Bélanger S, Blicher M, Dumont D, Gosselin M, Martel A, Rysgaard S (2014) Coupling multi-trophic markers and sclero-chronology/-chemistry methods on arctic bivalves to assess climate changes effects on the pelagic-benthic coupling. Ocean Sciences Meeting (ASLO) February 23-28 2014, Honolulu, HI
13. Krause-Jensen D, Duarte C, Hendriks I, Sejr M, Blicher ME, Marbà N, Geertz-Hansen O, Meire L, Linding Gerlich K (2013) pH-variability and marine vegetation as a possible refuge from ocean acidification for vulnerable marine life. Arctic Research Centre Meeting, 18.-19. December 2013, Aarhus University, Denmark
12. Blicher ME, Sejr MK, Wegeberg S, Krause-Jensen D, Marba N, Givskov J, Mouritzen K, Olesen B, Wiktor Jr J, Thyrring J, Høgslund J (2013) Intertidal ecology in West Greenland – studies of the coupling between physiology and northern distribution limits. 4th Greenland Climate Research Centre meeting, Nov 11-12, Nuuk Greenland
11. Blicher ME (2012) Marine benthos in the Arctic – geographical variation as an indicator of climate effects. Arctic Science Partnership meeting, 12-16. November 2012, Gimli, Canada
10. Krause-Jensen D, Sejr MK, Marbà N, Olesen B, Rysgaard S, Christensen PB, Rodrigues J, Blicher ME, Lund H, Stæhr P, Carstensen J, Balsby T (2012) Flora and fauna along latitude gradients in climate - potential for predicting effects of climate change on coastal Arctic biota. ATP Final Event, 24-26 January 2012, Tromsø, Norway.
9. Wegeberg S, Blicher ME, Høgslund S, Krause-Jensen D, Sejr M, Wiktor J (2012) Coastal zone studies. Greenland Environmental Impact Assessment Meeting. Copenhagen January 19, 2012
8. Sejr MK, Blicher ME, Hansen JLS, Josefson A and Schiedek D (2012) Status on benthos surveys in West Greenland. Greenland Environmental Impact Assessment Meeting. Copenhagen January 19, 2012
7. Blicher ME (2010) Benthic ecology in Greenland. November 10, National Environmental Research Institute, Aarhus University, Denmark
6. Rasmussen L.M., Blicher M.E., Sejr M.K., Merkel F.R., Rysgaard S. (2010) Evidence for strong trophic coupling between macrozoobenthos and wintering eiders (*Somateria* spp.) in a shallow sub-Arctic sound. Poster at 1st World Seabird Conference September 7-11, 2010, Victoria, British Columbia, Canada.
5. Versteegh E.A.A., Blicher M.E., Troelstra S.R., Dehairs F. (2010) Bivalve sclerochemistry as a proxy for past Greenland meltwater runoff. 2nd International Sclerochronology Conference 24th - 28th July, 2010, Mainz, Germany
4. Blicher ME, Sejr MK, Rysgaard S (2009) Does sea ice cover affect the annual production of macrobenthos in Greenland? Nuuk Climate Days, 25-27 August, Nuuk, Greenland.
3. Blicher ME, Sejr MK, Rysgaard S (2009) Does sea ice cover affect the annual production of macrobenthos in Greenland? Arctic Science Summit Week, March, Bergen, Norway.
2. Sejr, M.K. & Blicher M.E. (2009) Evidence for coupling between sea ice cover and annual production in shallow water benthos. ASLO January, Nice, France.
1. Sejr, M.K. & Blicher M.E. (2007) Does sea ice cover affects the annual production of marine benthos through bottom-up processes? 14. Danske Havforskermøde, 23.-25. January, Syddansk Universitet, Denmark.

Public outreach:

6. *Fiskeriets troværdighed øges*, TV interview, Nuuk TV, January 12, 2015
5. *Havets bund omkring de nordiske lande skal kortlægges*, newspaper interview, Sermitsiaq, January 11, 2015
4. *Muslinger gemmer på klimahistorie*, newspaper article, Sermitsiaq 03, January 2013
3. *Blåmuslinger afslører klimahistorie*, website article, www.Videnskab.dk, January 10, 2013
2. Sejr, M.K., Christensen, P.B., Rysgaard, S., Glud, R.N., Blicher, M.E. (2009) Livet på den arktiske havbund, *Aktuel Naturvidenskab* 1:13-17
1. Blicher, M.E. (2007) Ongoing investigations on the effect of climate change on marine ecosystem dynamics in general and benthic production in the Arctic in particular. Radio interview in Kalaallit Nunaat Radioa, Grønlands Radio, May, Nuuk, Greenland.

TEACHING EXPERIENCE**Co-supervisor of M.Sc. students:**

- Isak Rasmussen (2012) Role of bacteria in pelagic carbon turn-over in sub-arctic Godthaabsfjord, Greenland. Enrolled at Copenhagen University
- Michael Magee (2013-14): N₂O production by Intertidal organisms in the sub-Arctic. Enrolled at University of Southern Denmark

Co-supervisor of PhD students

- Helle Jørgensby (2012-2014): Towards Sustainable Management of Marine Benthic Ecosystems in Greenland - in relation to national and international standards. Enrolled at Danish Technical University
- Jakob Thyrring (2013-16): Identifying key drivers of ecosystem and population structure in a changing Arctic climate. Enrolled at Aarhus University

Teaching Programs

- Lectures in *Arctic Marine Ecosystems*, a Master's course organized by Aarhus Univ., Univ. Manitoba and Greenland Institute of Natural Resources, Nuuk, May 2015

FUNDING RECEIVED:

19. Blicher ME, Arendt KE, Juul-Pedersen T, Ugarte F, Merkel F (2015) Grønlandsk/dansk deltagelse i udarbejdelse af 'State of the Arctic Marine Biodiversity Report' i CBMP-Marin i 2015-16. Funded by the Danish Ministry of the Environment, Dancea - 718.302 DKK
18. Blicher ME, Jørgensen LL, Sørensen J, Gudmundsson G et al. (2015) Mapping of seabed biodiversity and vulnerability in the Arctic and North Atlantic. Presidency project in Nordic Council of Ministers - 500.000 DKK
17. Blicher ME, Jørgensen LL, Sørensen J, Gudmundsson G et al. (2014) Initiating North Atlantic Benthos Monitoring. Supported by Nordisk Atlantsamarbejde (NORA) – 1.000.000 DKK
16. Blicher ME, Arendt KE, Juul-Pedersen T (2013) Deltagelse i workshop omkring tværfagligt- og institutionelt forskningssamarbejde i Nordøstgrønland. Funded by the Government of Greenland (IIKNN) – 36,000 DKK
15. Krause-Jensen D, Duarte C, Marba N, Hendriks I, Sejr MK, Geertz-Hansen, Blicher ME (2013) pH and the possible buffering role of the expanding marine vegetation against ocean acidification in coastal waters of Greenland. Funded by the Danish Ministry of the Environment – Dancea. 1,676,000 DKK
14. Grønkjær P, Blicher ME, Simon M, Hedeholm R (2013) Linking primary producers to top-predators: The role of capelin and sandeel in the Godthåbsfjord area. Supported by Arctic Science Partnership. 259.000 DKK
13. Blicher ME, Simon M, Grønkjær P, Hedeholm R (2013) Linking primary producers to top-predators: The role of capelin and sandeel in the Godthåbsfjord area. Supported by the Greenland Ministry of Education, Church, Culture & Gender Equality (IIN). 30.000 DKK
12. Blicher ME, Sejr MK, Krause-Jensen D, Givskov J et al. (2012-14) Intertidal ecology in West Greenland– studies of the coupling between physiology and northern distribution limits. Supported by Greenland Climate Research Centre. 377.000 DKK

11. Nielsen T., Mikkelsen et al. (2012) Impact on permafrost, gashydrates and periglacial processes following climate changes in Greenland (Permagas). Supported by the Danish Centre for Marine Research (Dansk Center for Havforskning). 892.800 DKK
10. Sejr MK, Krause-Jensen D, Mouritsen K, Olesen B, Susse Wegeberg, Jesper Givskov, Blicher ME (2011-13) Biodiversitet og klimaeffekter i tidevandszonen i Grønland. Funded by the Danish Ministry of the Environment – Dancea. 911.000 DKK
9. Sejr MK, Blicher ME, Batty P, Hansen J, Josefson A (2011-2013) Bunddyrenes artssammensætning og biodiversitet på 100-1000 m dybde i Baffin Bugten. Funded by The Bureau of Minerals and Petroleum, Greenland. 1,620,000 DKK
8. Blicher ME, Juul-Petersen T, Sejr MK, Attard K (2011) Sedimentation og stofomsætning i havbunden i Young Sound, NØ Grønland. Supported by The Ministry of Culture, Research, Education and Churches (KIIN). 51,700 DKK
7. Rasmussen LM, Blicher ME, Merkel FR (2010) Fødeøkologi for overvintrene vandfugle i Vestgrønland Supported by The Ministry of Culture, Research, Education and Churches (KIIN). 60,000 DKK
6. Blicher ME, Sejr MK, Krause-Jensen D, Mouritsen K, Olesen B (2010-2013) Ecotide – ecology of the intertidal zone (logistics). Supported by The Ministry of Culture, Research, Education and Churches (KIIN). 60,000 DKK
5. Sejr MK, Krause-Jensen D, Mouritsen K, Olesen B, Blicher ME (2010-11) ECO-TIDE (Ecology of the intertidal zone in Greenland) funded by Aarhus University. 570,000 DKK
4. Blicher ME (2010-12) The combined effect of climatic variation and petroleum activities in Greenland. Post Doc position funded by The Aage V. Jensen Charity Foundation. 900,000 DKK
3. Glud R, Stahl H, Larsen M, Blicher M, Turner G, Søggaard D, Batty P, Glud A, Reynolds A (2010-12). The Marine Arctic Carbon Cycle: Consequences of changes in climate and sea-ice cover. Funded by the Greenland Climate Research Centre. 3,853,000 DKK
2. Blicher ME (2007-10) Study of the functional role of macrobenthos in an important wintering area for eiders in SW Greenland. Supported by The Ministry of Culture, Research, Education and Churches. 58,000 DKK
1. Blicher ME (2007-10) PhD-project: 'Population dynamics of marine macrobenthos in Greenland – ecological role and potential effects of global warming.' Funded by The Commission for Scientific Research in Greenland. 1,900,000 DKK

OTHER QUALIFICATIONS:

2014	Commercial Scuba Diving License (IDSA Level 1), Esbjerg, Denmark
2014	CMAS*** diving certificate, Esbjerg, Denmark
2009	Certificate of Proficiency in Yachting (Power boats), Danish Maritime Authority
2008	SRC radio operator certificate
2003	CMAS** diving certificate, Aarhus, Denmark