

## 2016-2017 Refereed Publications / Articles publiés avec comité de lecture

- Achouba, A., Ouellet, N., Dumas, P., Lemire, M., Ayotte, P., 2016, Plasma levels of selenium-containing proteins in Inuit adults from Nunavik, *Environment International* 96: 8-15, Published
- Amiriaux, R., Belt, S., Vaultier, F., Galindo, V., Gosselin, M., Bonin, P., Mundy, C.J., Rontani, J.F., 2017, Monitoring photo-oxidative and salinity bacterial stress in the Canadian Arctic using specific lipid tracers, *Marine Chemistry*, Submitted
- Andrews, J., Babb, D.G., Barber, D.G., 2017, Climate change and sea ice: Shipping accessibility on the marine transportation corridor through Hudson Bay and Hudson Strait (1980–2014), *Elementa Science of the Anthropocene* 5: 15, Published
- Archer, L., Ford, J.D., Pearce, T., Kowal, S., Gough, W.A., Allurut, M., 2017, Longitudinal assessment of climate vulnerability: A case study from the Canadian Arctic, *Sustainability Science* 12 (1): 15-29, Published
- Arruda, S., Henry, G.H.R., Scott, N., 2017, Impacts of enhanced warming and snow deposition on vegetation cover and plant phenology in a Canadian High Arctic mesic ecosystem, *Global Change Biology*, Submitted
- Auger-Méthé, M., Albertsen, C.M., Jonsen, I.D., Derocher, A.E., Lidgard, D.C., Studholme, K.R., Bowen, W.D., Crossin, G.T., Flemming, J.M., 2017, Spatiotemporal modelling of marine movement data using Template Model Builder (TMB), *Marine Ecology Progress Series* 565: 237-249, Published
- Auger-Méthé, M., Derocher, A.E., DeMars, C.A., Plank, M.J., Codling, E.A., Lewis, M.A., 2016, Evaluating random search strategies in three mammals from distinct feeding guilds, *Journal of Animal Ecology* 85 (5): 1411-1421, Published
- Auger-Méthé, M., Field, C., Albertsen, C.M., Derocher, A.E., Lewis, M.A., Jonsen, I.D., Mills Flemming, J., 2016, State-space models' dirty little secrets: Even simple linear gaussian models can have estimation problems, *Scientific Reports* 6: 26677, Published
- Barrand, N.E., Way, R.G., Bell, T., Sharp, M.J., 2017, Recent changes in area and thickness of Torngat Mountain glaciers (northern Labrador, Canada), *The Cryosphere* 11: 157-168, Published
- Barrand, N.E., Way, R.G., Bell, T., Sharp, M.J., 2017, Recent changes in area and thickness of Torngat Mountain glaciers (northern Labrador, Canada), *The Cryosphere* 11: 157-168, Published
- Beamish, A.L., Nijland, W., Edwards, M., Coops, N.C., Henry, G.H.R., 2016, Phenology and vegetation change measurements from true colour digital photography in High Arctic tundra, *Arctic Science* 2 (2): 33-49, Published
- Beardsell, A., Gauthier, G., Therrien, J.-F., Bêty, J., 2016, Nest site characteristics, patterns of nest reuse, and reproductive output in an Arctic-nesting raptor, the Rough-legged Hawk, *The Auk* 133 (4): 718-732, Published

- Beaudoin, A., Pienitz, R., Zdanowicz, C., Francus, P., St-Onge, G., 2016, Palaeoenvironmental history of the last six centuries in the Nettilling Lake area (Baffin Island, Canada): A multi-proxy analysis, *The Holocene* 26 (11): 1835-1846, Published
- Bechshoft, T., Derocher, A.E., Richardson, E., Lunn, N.J., St. Louis, V.L., 2016, Hair mercury concentrations in western Hudson Bay polar bear family groups, *Environmental Science and Technology* 50 (10): 5313-5319, Published
- Ben Mustapha, S., Larouche, P., Dubois, J.-M.M., 2016, Spatial and temporal variability of sea-surface temperature fronts in the coastal Beaufort Sea, *Continental Shelf Research* 124: 134-141, Published
- Bennett, M.M., Greaves, W., Riedlsperger, R., Botella, A., 2016, Articulating the Arctic: Contrasting state and Inuit maps of the Canadian North, *Polar Record* 52 (6): 630-644, Published
- Berteaux, D., Gauthier, G., Domine, F., Ims, R.A., Lamoureux, S.F., Lévesque, E., Yoccoz, N.G., 2016, Effects of changing permafrost and snow conditions on tundra wildlife: Critical places and times, *Arctic Science*, Accepted
- Berteaux, D., Thierry, A.-M., Alisauskas, R., Angerbjörn, A., Buchel, E., Doronina, L., Ehrich, D., Eide, N.E., Erlandsson, R., Flagstad, Ø., Fuglei, E., Gilg, O., Goltsman, M., Henttonen, H., Ims, R.A., Killengreen, S., Kondratyev, A., Kruchenkova, E., Kruckenberg, H., Kulikova, O., Landa, A., Lang, J., Menyushina, I., Mikhnevich, J., Niemimaa, J., Norén, K., Ollila, T., Ovsyanikov, N., Pokrovskaya, L., Pokrovsky, I., Rodnikova, A., Roth, J.D., Sabard, B., Samelius, G., Schmidt, N.M., Sittler, B., Sokolov, A.A., Sokolova, N.A., Stickney, A., Unnsteinsdóttir, E.R., White, P.A., 2017, Harmonizing circumpolar monitoring of Arctic fox: benefits, opportunities, challenges, and recommendations, *Polar Research*, Accepted
- Berteaux, D., Thierry, A.-M., Alisauskas, R., Angerbjörn, A., Buchel, E., Doronina, L., Ehrich, D., Eide, N.E., Erlandsson, R., Flagstad, Ø., Fuglei, E., Gilg, O., Goltsman, M., Henttonen, H., Ims, R.A., Killengreen, S.T., Kondratyev, A., Kruchenkova, E., Kruckenberg, H., Kulikova, O., Landa, A., Lang, J., Irina, M., Mikhnevich, J., Niemimaa, J., Norén, K., Ollila, T., Ovsyanikov, N., Pokrovskaya, L., Pokrovsky, I., Rodnikova, A., Roth, J.D., Sabard, B., Samelius, G., Schmidt, N.M., Sittler, B., Sokolov, A.A., Sokolova, N.A., Stickney, A., Unnsteinsdóttir, E.R., White, P.A., 2016, Harmonizing circumpolar monitoring of Arctic fox: Benefits, opportunities, challenges, and recommendations, *Polar Research*, Accepted
- Bjorkman, A.D., Vellend, M., Frei, E.R., Henry, G.H.R., 2016, Climate adaptation is not enough: Warming does not facilitate success of southern tundra plant populations in the high Arctic, *Global Change Biology* 23 (4): 1540–1551, Published
- Blais, M., Ardyna, M., Gosselin, M., Dumont, D., Bélanger, S., Tremblay, J.-É., Gratton, Y., Marchese, C., Poulin, M., 2016, Contrasting interannual changes in phytoplankton productivity and community structure in the coastal Canadian Arctic Ocean, *Limnology and Oceanography*, Accepted
- Blangy, S., Bernier, M., Aenishaenslin, C., Bastian, S., Bhiry, N., Chanteloup, L., Coxam, V.,

- Dedieu, J.P., Gérin-Lajoie, J., Gibout, S., Haillet, D., Hébert-Houle, E., Herrmann, T.M., Joliet, F., Lamalice, A., Le Merre, E., Levesque, E., Ravel A., 2016, Adaptation measures for improving the wellbeing of Inuit communities facing the cumulative effects of climate and socio-economic changes in Nunavik, *Regional Environmental Change*, Accepted
- Bolduc, C., Lamoureux, S.F., Franssen, J., 2017, Thermal evidence for surface and subsurface water contributions to baseflow in a High Arctic river, *Hydrological Processes*, Submitted
- Bonnaventure, P.P., Lamoureux, S.F., Favaro, E.A., 2016, Over winter channel bed temperature regimes generated by contrasting snow accumulation in a High Arctic river, *Permafrost and Periglacial Processes* 28 (1): 339-346, Published
- Boone, W., Rysgaard, S., Kirillov, S.A., Dmitrenko, I.A., Bendtsen, J., Mortensen, J., Meire, L., Petrusevich, V., Barber, D.G., 2016, Circulation and fjord-shelf exchange during the ice covered period in Young Sound-Tyrolerfjord, NE-Greenland (74°N), *Estuarine, Coastal and Shelf Science*, Submitted
- Bouchard Marmen, M., Kenchington, E., Ardyna, M., Archambault, P., 2017, Influence of seabird colonies and other environmental variables on benthic community structure, Lancaster Sound region, Canadian Arctic, *Journal of Marine Systems* 167: 105-117, Published
- Bouchard, C., Mollard, S., Suzuki, K., Robert, D., Fortier, L., 2016, Contrasting the early life histories of sympatric Arctic gadids *Boreogadus saida* and *Arctogadus glacialis* in the Canadian Beaufort Sea, *Polar biology* 39 (6): 1005-1022, Published
- Boulanger-Lapointe, N., Järvinen, A., Partanen, R., Herrmann, T.M., 2017, Climate and herbivore influence on *Vaccinium myrtillus* over the last 40 years in northwest Lapland, Finland, *Ecosphere* 8 (1): e01654, Published
- Boulanger-Lapointe, N., Lévesque, E., Baittinger, C., Schmidt, N.M., 2016, Local variability in growth and reproduction of *Salix arctica* in the High Arctic, *Polar Research* 35: 24126, Published
- Bourgeois, S., Archambault, P., Witte, U., 2017, Organic matter remineralization in marine sediments: A pan-Arctic synthesis, *Global Biogeochemical Cycles* 31 (1): 190-213, Published
- Brammer, J.R., Brunet, N.D., Burton, A.C., Cuerrier, A., Danielsen, F., Dewan, K., Herrmann, T.M., Jackson, M.V., Kennett, R., Larocque, G., Mulrennan, M., Pratihast, A.K., Ste-Arnaud, M., Scott, C., Humphries, M.M., 2016, The role of digital data entry in participatory environmental monitoring, *Conservation Biology* 36 (6): 1277-1287, Published
- Breed, G.A., Matthews, C.J.D., Marcoux, M., Higdon, J.W., LeBlanc, B., Petersen, S.D., Orr, J., Reinhart, N.R., Ferguson, S.H., 2017, Sustained disruption of habitat use and behavior of narwhals in the presence of Arctic killer whales, *Proceedings of the National Academy of Sciences of the United States of America* 114 (10): 2628-2633, Published
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- Brewster, J.D., Giraldo, C., Swanson, H., Walkusz, W., Loewen, T.N., Reist, J.D., Stern, G.A., Loseto, L.L., 2016, Ecological niche of coastal Beaufort Sea fishes defined by stable isotopes and fatty acids, *Marine Ecology Progress Series 559*: 159-173, Published
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- Brown, T.A., Chrystal, E., Ferguson, S.H., Yurkowski, D.J., Watt, C.A., Hussey, N.E., Kelley, T.C., Belt, S.T., 2017, Coupled changes between the H-Print biomarker and d15N indicates a variable sea ice carbon contribution to the diet of Cumberland Sound beluga whales, *Limnology and Oceanography*, Accepted
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- Burt, W.J., Thomas, H., Miller, L.A., Granskog, M.A., Papakyriakou, T., Pengelly, L., 2016, Inorganic carbon cycling and biogeochemical processes in an Arctic inland sea (Hudson Bay), *Biogeosciences 13*: 4659-4671, Published
- Byers, M., Østhagen, A., 2017, Why does Canada have so many unresolved maritime boundary disputes?, *Canadian Yearbook of International Law*, Submitted
- Campbell, K., Mundy, C.J., Belize, C., Delaforge, A., Rysgaard, S., 2016, Seasonal dynamics of algal and bacterial communities in Arctic sea ice under variable snow cover, *Polar Biology*, Submitted
- Campbell, K., Mundy, C.J., Gosselin, M., Landy, J.C., Delaforge, A., Rysgaard, S., 2017, Net community production in the bottom of Arctic sea ice over the spring bloom, *Geophysical*

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- Campbell, K., Mundy, C.J., Landy, J.C., Delaforge, A., Michel, C., Rysgaard, S., 2016, Community dynamics of bottom-ice algae in Dease Strait of the Canadian Arctic, *Progress in Oceanography* 149: 27-39, Published
- Cao, Y., Xu, L., Clausi, D.A., 2016, Exploring the Potential of Active Learning for Automatic Identification of Marine Oil Spills Using 10-year (2004-2013) RADARSAT Data, *Remote Sensing of Environment*, Submitted
- Cassidy, A.E., Christen, A., Henry, G.H.R., 2017, Impacts of active retrogressive thaw slumps on vegetation, soil, and net ecosystem exchange of carbon dioxide in the Canadian High Arctic, *Arctic Science*, Accepted
- Cassidy, A.E., Christen, A., Henry, G.H.R., 2016, The effect of a permafrost disturbance on growing-season carbon-dioxide fluxes in a High Arctic tundra ecosystem, *Biogeosciences* 13 (8): 2291-2303, Published
- Castro de la Guardia, L., Myers, P.G., Derocher, A.E., Lunn, N.J., Terwisscha van Scheltinga, A.D., 2017, Sea ice cycle in western Hudson Bay, Canada, from a polar bear perspective, *Marine Ecology Progress Series* 564: 225-233, Published
- Charette, M.A., Lam, P.J., Lohan, M.C., Kwon, E.Y., Hatje, V., Jeandel, C., Shiller, A.M., Cutter, G.A., Thomas, A., Boyd, P.W., Homoky, W.B., Milne, A., Thomas, H., Andersson, P.S., Porcelli, D., Tanaka, T., Geibert, W., Dehairs, F., Garcia-Orellana, J., 2016, Coastal ocean and shelf-sea biogeochemical cycling of trace elements and isotopes: Lessons learned from GEOTRACES, *Philosophical Transactions of the Royal Society A* 374, Published
- Cherry, S.G., Derocher, A.E., Lunn, N.J., 2016, Habitat-mediated timing of migration in polar bears: An individual perspective, *Ecology and Evolution* 6 (14): 5032-5042, Published
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- Chevallier, C., Lai, S., Berteaux, D., 2016, Predation of arctic fox (*Vulpes lagopus*) pups by common ravens (*Corvus corax*), *Polar Biology* 39 (7): 1335-1341, Published
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- Clark, D.G., Ford, J.D., Pearce, T., Berrang-Ford, L., 2016, Vulnerability to unintentional

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- Comte, J., Monier, A., Crevecoeur, S., Lovejoy, C., Vincent, W.F., 2016, Microbial biogeography of permafrost thaw ponds across the changing northern landscape, *Ecography* 39 (7): 609-618, Published
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- Curren, M., Ayotte, P., Chan, L., Laird, B., Lemire, M., Muckle, G., Wania, F., 2017, Canadian Arctic contaminants assessment report IV: Human health, *Science of the Total Environment*, Submitted

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