

## LIST OF PUBLICATIONS FROM ARCTIC WOLVES (2007-2016)

### PEER-REVIEWED PUBLICATIONS

#### CANADA

- Perreault, N., E. Lévesque, D. Fortier & L.J. Lamarque. 2016. Thermo-erosion gullies boost the transition from wet to mesic vegetation. *Biogeosciences* 13: 1237-1253. doi: [10.5194/bg-13-1237-2016](https://doi.org/10.5194/bg-13-1237-2016).
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- Doiron, M., G. Gauthier & E. Lévesque. 2015. Trophic mismatch and its effects on the growth of young in an Arctic herbivore. *Global Change Biology* 21:4364-4376. doi: [10.1111/gcb.13057](https://doi.org/10.1111/gcb.13057).
- Gauthier, G., P. Legagneux, M.A. Valiquette, M.C. Cadieux & J.F. Therrien. 2015. Diet and reproductive success of an Arctic generalist predator: Interplay between variations in prey abundance, nest site location and intraguild predation. *The Auk* 32:735-747. doi: [10.1642/AUK-14-273.1](https://doi.org/10.1642/AUK-14-273.1).
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- Therrien, J.F., G. Gauthier, A. Robillard, N. Lecomte & J. Bêty. 2015. Écologie de la reproduction du harfang des neiges dans l'Arctique canadien. *Le Naturaliste Canadien* 139:17-23. doi : [10.7202/1027666ar](https://doi.org/10.7202/1027666ar).
- Gallant, D., D.G. Reid, B.G. Slough & D. Berteaux. 2014. Natal den selection by sympatric arctic and red foxes on Herschel Island, Yukon, Canada. *Polar Biology* 37:333-345.
- Therrien, J.-F., G. Gauthier, E. Korpimäki & J. Bêty. 2014. Predation pressure imposed by avian predators suggests summer limitation of small mammal populations in the Canadian Arctic. *Ecology* 95:56-67.
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## USA

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## PRESENTATIONS AND \*POSTERS AT CONFERENCES

### CANADA

- Giroux, M.-A., N. Lecomte, D. Gravel, J. Bêty, G. Gauthier & D. Berteaux. 2015. Can animal migration explain the dominance of top-down forces in many Arctic food webs? Insights from empirical and theoretical approaches. Meeting of the Ecological Society of America, Baltimore, MD, 9-14 Aug.
- Giroux, M.-A., N. Lecomte, D. Berteaux, J. Bêty, G. Gauthier & D. Gravel. 2015. Est-ce que la migration animale peut expliquer la dominance des interactions prédateur-proie dans plusieurs réseaux trophiques arctiques? 83ième congrès de l'Association francophone pour le savoir, Rimouski, QC, 25-29 May.
- Fauteux, D., G. G., and D. Berteaux. 2015b. Socio-economic relationships between Inuit and lemmings and the scientific methods employed to monitor lemmings. *in* International

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- \*Chevallier, C., G. Gauthier & D. Berteaux. 2014. Non-invasive method for estimating age of carnivores. Arctic Change 2014 conference, Ottawa, ON, 8-12 Dec.
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- Robillard, A., J.-F. Therrien, G. Gauthier, and J. Bêty. 2014a. Fall migration and winter habitat use of an arctic top predator: the snowy owl.*in* Conférence internationale Arctic Change 2014, 7-12 décembre 2014. Orale, Ottawa.
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- Gauthier, G., J.F. Therrien & J. Bêty. 2014. Movements and breeding dispersal of Snowy Owls in eastern North America: a specialized predator exploiting a pulsed resource. 3<sup>rd</sup> meeting of the International Snowy Owl Working Group, Salekhard, Russia, 2-6 March.
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- Lai, S., J. Bêty & D. Berteaux. 2013. Intra-population variation in movement patterns of overwintering arctic foxes. 38e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Montreal, QC, 8-10 Nov.
- \*Rioux, M.-J., S. Lai, J. Bêty & D. Berteaux. 2013. Spatial winter dynamics in arctic fox pairs at Bylot Island. Fourth International Conference in Arctic Fox Biology, Westfjords, Iceland, 11-13 Oct.
- Lai, S., J. Bêty & D. Berteaux. 2013. Where do arctic foxes go in winter? A 6-year study using satellite telemetry on Bylot Island, Canada. Fourth International Conference in Arctic Fox Biology, Westfjords, Iceland, 11-13 Oct.

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- Lai, S., J. Bêty & D. Berteaux 2012. Festin sur la banquise: la télémétrie satellitaire révèle les capacités de détection des renards arctiques. 37e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Montréal, QC, 2-4 Nov.
- Therrien, J.-F. 2012. Long-distance movements of satellite tracked avian predators breeding in the high Arctic. NASA-sponsored Movebank Workshop, Denali National Park, AK, June.
- \*Lefebvre, J, A. Reed, K. Colhoun & G. Gudmundsson. 2012 Breeding distribution of Eastern High Arctic Brant near the Schei Peninsula (Axel Heiberg Island) and Eureka (Ellesmere Island), Nunavut. International Polar Year: from Knowledge to Action. Montréal, QC, 22-27 April.
- \*Lefebvre, J. 2012. Ellesmere and Axel Heiberg Islands, Nunavut: an important molting site for Greater Snow Goose. International Polar Year: from knowledge to action. Montréal, QC, 22-27 April.
- \*Perreault, N., E. Lévesque & D. Fortier. 2012. Remote sensing estimation of wetland depletion surrounding thermo-erosion gullies, Bylot Island, Nunavut, Canada. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- Gauthier, G., D. Berteaux, P. Legagneux, D.G. Reid, C.J. Krebs & J. Bêty. 2012. The role of predators in controlling the tundra food web: new evidence from the ArcticWOLVES project. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- \*Robus, J., K. Abraham, C. Furgal, E. Sager. 2012. Linking two ways of knowing to understand climate change impacts on geese and First Nations in the Hudson Bay Lowland. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- Fast, P.L.F., M. Doiron, G. Gauthier, J.A. Schmutz, D.C. Douglas, J. Madsen, J.Y. Takekawa, J. Yee & J. Bêty. 2012. Linking animal migration, spring weather and timing of breeding in an arctic herbivore. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.

- \*Lamarre, J.-F., J. Bêty & G. Gauthier. 2012. Shorebird predation risk in the high-arctic, do geese have a role to play? International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- \*Berteaux, D., G. Gauthier, J. Bêty, A. Franke & G. Gilchrist. 2012. Effects of climate change on the canadian arctic wildlife. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- McKinnon, L., C.A. Corkery, E. Bolduc, C. Juillet, J. Bêty & E. Nol. 2012. Assessing the vulnerability of Arctic-nesting shorebirds to climate induced changes in food resource peaks. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- Juillet, C., R. Choquet, G. Gauthier, R. Pradel & J. Lefebvre. 2012. Carry-over effects of spring hunt and climate on recruitment to the natal colony in a migratory species. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- \*Lai, S., D. Berteaux & J. Bêty 2012. Movement tactics and habitat selection of overwintering arctic foxes in the Canadian high Arctic. International Polar Year Conference: from knowledge to action. Montréal, QC, 22-27 April.
- Legagneux, P., N. Lecomte, D. Gravel, D. Berteaux, N.M. Schmidt, D. Reid, C.J. Krebs, R.I.G. Morrisson, J.-R. Julien, M.-C. Cadieux & G. Gauthier. 2011. Importance de la taille corporelle sur le fonctionnement de l'écosystème arctique : une approche par réseau trophique. 36e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Sherbrooke, QC, 4-6 Nov.
- Lamarre, J.-F., J. Bêty & G. Gauthier 2011. Risque de prédation des limicoles dans le Haut-arctique : Quand les oies s'en mêlent. 36e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Sherbrooke, QC, 4-6 Nov.
- \*Lai, S., D. Berteaux & J. Bêty 2011. Winter ranging behavior of arctic foxes in the Canadian High Arctic. 36e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Sherbrooke, QC, 4-6 Nov.
- Bêty, J. 2011. Sensitive Arctic birds under the spotlights: global change and recent discoveries. Society of Canadian Ornithologists Annual Meeting, Moncton, NB, Nov.
- Therrien, J.-F., G. Gauthier & J. Bêty. 2011. Avian predators play a key role in population regulation and energy flux of the Arctic tundra food web. Annual Meeting of the Raptor Research Foundation, Duluth, MN, 5-9 Oct.
- \*Pollock L., K.F. Abraham & E. Nol. 2011. The importance of Akimiski Island, Nunavut, as a stopover site for migratory shorebirds. 4th Annual Meeting of the Western Hemisphere Shorebird Group, Burnaby, BC, 12-15 Aug.
- Bêty, J. 2011. Ecology and evolution of arctic migrants: fundamental questions and recent results. Royal Swedish Academy of Sciences and Wenner-Gren Foundations, Sweden June.
- Morris, D.W. & A. Dupuch. 2011. Global warming and competition for habitat by Arctic lemmings. Canadian Society of Zoologists Annual Meeting, Ottawa, ON, 18 May.
- Gauthier, G. 2011. Lemmings: a keystone species of the tundra food web vulnerable to climate change. 6th Annual Meeting of the Canadian Society of Ecology and Evolution, Banff, AB, 12-15 May.
- Morris, D.W., A. Dupuch & W.D. Halliday. 2011. Climate change alters habitat selection and coexistence of Arctic lemmings. 6th Annual Meeting of the Canadian Society of Ecology and Evolution, Banff, AB, 12-15 May.
- Therrien, J.-F., G. Gauthier & J. Bêty 2011. Les oiseaux prédateurs, des acteurs principaux dans la dynamique des populations et les flux d'énergie d'un écosystème : l'exemple de la toundra.

- 79e Congrès de l'association francophone pour le savoir (ACFAS), Sherbrooke, QC, 9-13 May.
- Gallant, D., B. Slough, D. Berteaux & D. Reid. 2011. Arctic fox versus red fox in the Canadian Arctic: is there a clear winner in the past four decades in the warming northern Yukon? Northern Furbearer Conference, Whitehorse, YT, April.
- Tarroux, A., D. Berteaux & J. Bêty. 2011. The marine side of a terrestrial mammal: trophic niche and diet specialization of arctic foxes. Estación Biológica de Doñana – CSIC, Sevilla, Spain, March.
- Perreault, N., E. Lévesque & D. Fortier. 2011. Impact of permafrost gullying on wetland habitat, Bylot Island, Nunavut, Canada. ArcticWorkshop Annual Scientific Meeting, Montréal, QC, 2-4 March.
- Abraham, K.F. 2011. Understanding plant-geese interactions on Akimiski Island: a La Pérouse Bay legacy. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Robus, J., K.F. Abraham & C. Furgal. 2011. Linking science and traditional knowledge to understand impacts of climate change on geese in the Hudson Bay Lowland. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- \*Edwards, K. & R.L. Jefferies. 2011. Bottom-up controls on *Carex aquatilis* growth in low-arctic sedge meadows: the role of winter and spring seasonal events. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Gauthier, G. & M.C. Cadieux. 2011. Goose-plant interactions on Bylot Island in the context of global warming. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Doiron, M., G. Gauthier & E. Lévesque. 2011. Climate change and the ecological mismatch between Greater Snow Goose breeding and plant phenology. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Horrigan, E., R.L. Jefferies & G. Gauthier. 2011. Vegetation responses to simulated snow goose herbivory in two arctic ecosystems. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Legagneux, P., P. Fast, G. Gauthier & J. Bêty. 2011. Migratory connectivity in Greater Snow Geese: carry-over effects of a manipulation of spring body condition. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
- Leung, M.C-Y. 2011. Butterflies of Herchel Island and Komakuk, Yukon. IPY NWT Results Workshop, Inuvik, NWT, 19 Jan.
- Gauthier, G. & D. Berteaux. 2010. Is the tundra food web controlled by top predators? New evidence from the ArcticWOLVES project. ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- Bilodeau, F., G. Gauthier & D. Berteaux. 2010. Life under the snow: the effect of the snow cover on lemming population dynamics. ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- Robus, J., K.F. Abraham, C. Furgal & E. Sager. 2010. Linking science and traditional knowledge to understand impacts of climate change on geese in the Hudson Bay Lowland. ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- Pollock, L., K. Abraham & E. Nol. 2010. Importance of Akimiski Island, Nunavut, as a stopover site for migrant shorebirds. ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- Tarroux, A., D. Berteaux & J. Bêty. 2010. Surviving the arctic winter: insights into the foraging tactics of an arctic terrestrial predator. ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- \*Tarroux, A., N. Lecomte, D. Ehrich, M.-A. Giroux, S.T. Killengreen, A. Sokolov, E. Fuglei, J. Bêty, D. Berteaux, N.G. Yoccoz & R.A. Ims. 2010. Metamorphosis of the Arctic terrestrial



- food webs: Between collapse of native species and explosion of exotic predators? ArcticNet Annual Scientific Meeting, Ottawa, ON, 14-17 Dec.
- Berteaux, D. 2010. Behavioural ecology of Arctic fox in the Canadian High Arctic. 35e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Montréal, QC, 5-7 Nov.
- Bilodeau, F., G. Gauthier & D. Berteaux. 2010. Effets du couvert nival sur la dynamique des populations de lemmings à l'île Bylot, Nunavut. 35e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Montréal, QC, 5-7 Nov.
- Therrien, J.F., G. Gauthier & J. Bêty. 2010. Subsidies allochtones en milieu extrême: un support pour les populations de prédateurs terrestres de l'arctique. 35e colloque annuel de la Société québécoise pour l'étude biologique du comportement, Montréal, QC, 5-7 Nov.
- Berteaux, D. 2010. Zoos, aquariums and the biodiversity crisis: contemplations of a conservation biologist and father of three. Congrès de l'Association des zoos et aquariums du Canada, Montreal, QC, 7 Oct.
- Gauthier, G., J.-F. Therrien, J. Bêty, F. Doyle & D. Reid. 2010. Surprising migratory movements and site fidelity unraveled by satellite-tracking of snowy owls. International Ornithological Congress, Sao Paulo, Brazil, 22-28 Aug.
- Edwards, K.A. & R.L. Jefferies. 2010. Seasonal patterns of soil microbial and nutrient dynamics: four years of observations from wet and dry low-Arctic sedge meadows. Ecological Society of America 95<sup>th</sup> Annual Meeting, Pittsburgh, PA, 2-6 Aug.
- Berteaux, D. 2010. The Arctic ecozone: some fascinating paradoxes for conservation biologists. 24th International Congress for Conservation Biology, Edmonton, AB, 3-7 Jul.
- \*Morris, D.W., A. Dupuch, S.B. Ale & D.E. Moore. 2010. Can density-dependent habitat selection predict evolutionary adjustments to habitat change? 24th International Congress for Conservation Biology, Edmonton, AB, 3-7 Jul.
- Gallant, D., B. Slough, D. Berteaux & D. Reid. 2010. Arctic fox versus red fox in the Canadian Arctic: Is there a clear winner in the past four decades in the warming northern Yukon? 24th International Congress of Conservation Biology, Edmonton, AB, 3-7 Jul.
- Legagneux, P., G. Gauthier, D. Berteaux, J. Bêty, M-C. Cadieux, G. Szor, F. Bilodeau, E. Bolduc, L. McKinnon, A. Tarroux, J-F. Therrien, M-A. Valiquette, L. Morissette & C.J. Krebs. 2010. Modeling temporal trophic dynamics of a terrestrial arctic ecosystem. International Polar Year Conference, Oslo, Norway, 8-12 June.
- Doiron, M., G. Gauthier & E. Lévesque. 2010. Plant-herbivore interactions and climate change: The case of the Greater Snow Goose. International Polar Year Conference, Oslo, Norway, Oslo, Norway, 8-12 June.
- \*Julien, J.-R., G. Gauthier, J. Bêty & R.I.G. Morrison. 2010. Junk food in the Arctic: Feeding ecology of the Long-tailed Jaeger at Alert, Ellesmere Island, Canada. International Polar Year Conference, Oslo, Norway, 8-12 June.
- Robus, J., K.F. Abraham, C. Furgal & E. Sager. 2010. Linking science and traditional knowledge to understand impacts of climate change on geese in the Hudson Bay Lowland. International Polar Year Conference, Oslo, Norway, 8-12 June.
- Pollock, L., K.F. Abraham & E. Nol. 2010. Importance of Akimiski Island, Nunavut, as a stopover site for migrant shorebirds. International Polar Year Conference, Oslo, Norway, 8-12 June.
- Julien, J.-R., G. Gauthier, J. Bêty & G. Morrison, 2010. Junk food in the Arctic: feeding ecology of the long-tailed jaeger at Alert, Ellesmere Island, Canada. Canadian Society of Ecology and Evolution Annual Meeting, Quebec, QC, 9-12 May.

- Therrien, J.F., G. Gauthier & J. Bêty. 2010. The lemming buffet: is there anything left after owls and jaegers have eaten? Canadian Society of Ecology and Evolution Annual Meeting, Quebec, QC, 9-12 May.
- Berteaux, D. 2010. Impacts of climate change on northern carnivores. Canadian Society of Ecology and Evolution Annual Meeting, Quebec, QC, 9-12 May.
- Dupuch, A., D.W. Morris, S.B. Ale & D.E. Moore. 2010. Can competition explain habitat selection by three species of arctic rodents? Canadian Society of Ecology and Evolution Annual Meeting, Québec, QC, 9-12 May.
- Morris, D.W. 2010. Adaptation for a changing planet. Canadian Society of Ecology and Evolution Annual Meeting, Québec, QC, 9-12 May.
- Reid, D.G., F. Bilodeau, C.J. Krebs, G. Gauthier, A.J. Kenney, B.S. Gilbert, M.C.-Y. Leung & D. Duchesne. 2011. Lemming winter habitat choice: a snow-fencing experiment. Yukon Biodiversity Forum, Whitehorse, YT, April.
- Leung, M.C.-Y. 2010. Butterflies of Herchel Island and Komakuk, Yukon. Yukon Biodiversity Forum, Whitehorse, YT, April.
- Kenney, A.J. 2010. Snow depth and lemming population dynamics in the western Canadian Arctic. International Conference of Rodent Biology and Management, Bloemfontein, South Africa, 12-16 March.
- Godin, E. & D. Fortier. 2010. Rapid permafrost degradation by thermo-erosion and gullying of ice-wedge polygons during the 1999-2009 decade on Bylot Island, Nunavut, Canada. 40<sup>th</sup> International Arctic Workshop, Institute of Arctic and Alpine Research (INSTAAR), University of Colorado, Boulder, CO, 10-12 March.
- Berteaux, D. 2010. Les recherches sur le renard arctique à l'Île Bylot. Symposium Nordique, Québec, QC, 25-26 Feb.
- Morris, D.W., A. Moenting-Edwards, A. Dupuch, S.B. Ale & D.E. Moore. 2010. Predicting changes in arctic small mammal communities from global warming. Research and Innovation Week Exhibition (Lakehead University), Thunder Bay, ON, 24 Feb.
- Therrien, J.-F. 2010. Studies on Eastern Canadian Snowy Owls. International Snowy Owl Working Group Meeting, Saskatoon, SK, 17-19 Feb.
- Doyle, F.I. 2010. Yukon's nomadic Snowy Owls: What is their story and how might they be impacted by climate change? International Snowy Owl Working Group Meeting, Saskatoon, SK, 17-19 Feb.
- \*Gallant, D., B.G. Slough, D. Berteaux & D.G. Reid. 2010. Arctic fox versus red fox in the Canadian Arctic: Is there a clear winner after 39 years of monitoring in the warming Northern Yukon? IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.
- Gauthier, G., D. Berteaux, J. Bêty, P. Legagneux, L. McKinnon, J.-F. Therrien, A. Tarroux, M.-C. Cadieux, C.J. Krebs, D. Reid, & D. Morris. 2010. The role of predators in structuring the arctic terrestrial food web: preliminary results from the ArcticWOLVES project. IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.
- \*Tarroux, A., J. Bêty & D. Berteaux. 2010. The marine side of a terrestrial mammal: trophic niche and diet specialization of arctic foxes. IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.
- \*Doiron, M., G. Gauthier, & E. Lévesque. 2010. Impacts of climate change on a High Arctic herbivore: The case of the Greater Snow Goose. IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.

- \*Therrien, J.-F., G. Gauthier, J. Bêty D. Reid and F. Doyle. 2010. Long-distance movements of two avian predators, the Snowy Owl and Long-tailed Jaeger, tracked via satellite. IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.
- Reid, D., C. Krebs, G. Gauthier, A. Kenney, S. Gilbert, E. Hofer, D. Duchesne, M. Leung & F. Bilodeau. 2010. Snow depth and small mammal winter habitat choice: a tundra fencing experiment. IPY Canada Early Results Workshop, Ottawa, ON, 16-18 Feb.
- \*Robus, J., K.F. Abraham, C. Furgal & E. Sager. 2009. Linking traditional ecological knowledge and science: an assessment of the impacts of climate change on the use of waterfowl by First Nations in the Hudson Bay Lowland. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- McKinnon, L, P.A. Smith, E. Nol, L.P. Nguyen, J.L. Martin, F.I. Doyle, K.F. Abraham, H.G. Gilchrist, R.I.G. Morrison & J. Bêty. 2009. The benefits of getting high: latitudinal trends in nest predation risk for Arctic-nesting shorebirds. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- Edwards, K. 2009. The fate of soil microbes and nutrients during winter and spring in low-arctic sedge meadows: will warmer winters decrease plant productivity? ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- Horrigan, E.J. 2009. Linking above and belowground processes: the impact of snow goose herbivory on soil microbes and plant re-growth in Churchill, Manitoba. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- \*Lai, S., D. Berteaux & J. Bêty. 2009. From land to sea ice with the Arctic Fox, Following the movements of a terrestrial mammal in the Canadian high Arctic. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- Tarroux, A., J. Bêty & D. Berteaux. 2009. Northern nomads: extensive year-round movements of Arctic Foxes. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- \*Tarroux, A., J. Bêty & D. Berteaux. 2009. The marine side of a terrestrial mammal: trophic niche and diet specialization of Arctic Foxes. ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- \*Therrien, J.-F., G. Gauthier & J. Bêty. 2009. The lemming buffet: is there anything left after owls and jaegers have eaten? ArcticNet Annual Scientific Meeting, December 8-11, Victoria, BC.
- Legagneux P., G. Gauthier, D. Berteaux, J. Béty, M.-C. Cadieux, G. Szor, F. Bilodeau, E. Bolduc, L. McKinnon, A. Tarroux, J.-F. Therrien, M.-A. Valiquette, L. Morissette & C. J. Krebs. 2009. Modélisation des relations trophiques d'un écosystème arctique. 34<sup>e</sup> colloque annuel de la Société québécoise pour l'étude biologique du comportement, Trois-Rivières, QC, 13-15 Nov.
- Julien J.-R., G. Gauthier, J. Bêty & R. I. G. Morrison. 2009. La malbouffe dans l'Arctique : écologie alimentaire du labbe à longue queue (*Stercorarius longicaudus*) à Alert, Île d'Ellesmere, Nunavut. 34<sup>e</sup> colloque annuel de la Société québécoise pour l'étude biologique du comportement, Trois-Rivières, QC, 13-15 Nov.
- Tarroux A., D. Berteaux, J. Bêty. 2009. Nomades de l'arctique : capacité de déplacements à grande échelle chez le renard polaire. 34<sup>e</sup> colloque annuel de la Société québécoise pour l'étude biologique du comportement, Trois-Rivières, QC, 13-15 Nov.
- Morris, D. W., Moenting-Edwards, A., Dupuch, A., Ale, S. B., & Moore, D. E. 2009. Predicting changes in arctic small mammal communities from global warming. 2009 Sudbury Restoration Workshop – science for a changing north, Sudbury, ON, 27-29 Oct.
- Edwards, K.A. 2009. Soil microbial declines in Arctic sedge meadows during thaw: Death by starvation, or death by drowning? 9<sup>th</sup> student conference of the Association of Canadian Universities for Northern Studies Student, Whitehorse, YT, 2-5 Oct.

- Robus, J., & K.F. Abraham, 2009. The impact of climate change on the use and dependence of waterfowl by First Nations in the Hudson Bay Lowland. 9<sup>th</sup> student conference of the Association of Canadian Universities for Northern Studies Student, Whitehorse, YT, 2-5 Oct.
- Therrien, J.-F., G. Gauthier & J. Bêty. 2009. Reproductive success and long-distance movements of Snowy Owls: is this top arctic predator vulnerable to climate change? 9<sup>th</sup> student conference of the Association of Canadian Universities for Northern Studies Student, Whitehorse, YT, 2-5 Oct.
- Doyle, F.I. & D.G. Reid. 2009. Short-eared Owls in the Arctic food web. Wildlife Management Advisory Council (North Slope) Annual Research Workshop. Whitehorse, YT. Sept.
- \*Legagneux, P., G. Gauthier & C.J. Krebs. 2009. Spatial and temporal trophic dynamics of terrestrial arctic ecosystems. In: Palomares, M.L.D., Morissette, L., Cisneros-Montemayor, A., Varkey, D., Coll, M., Piroddi, C. (eds.), *Ecopath 25 Years Conference Proceedings: Extended Abstracts*, pp. 105-106. Fisheries Centre Research Reports 17(3). Fisheries Centre, University of British Columbia [ISSN 1198-6727]. 165 p.
- \*Krebs, C.J., A.J. Kenney, & G. Gauthier. 2009. Why not Ecopath for terrestrial ecosystems? In: Palomares, M.L.D., Morissette, L., Cisneros-Montemayor, A., Varkey, D., Coll, M., Piroddi, C. (eds.), *Ecopath 25 Years Conference Proceedings: Extended Abstracts*, pp. 154-155. Fisheries Centre Research Reports 17(3). Fisheries Centre, University of British Columbia [ISSN 1198-6727]. 165 p.
- Horrigan, E.J. & R.L. Jefferies. 2009. The impact of snow goose herbivory on soil microbial biomass and plant re-growth. Ecological Society of America Annual Meeting, Albuquerque, NM, 3-7 Aug.
- Krebs, C.J. 2009. Of lemmings and snowshoe hares: the ecology of Northern Canada. Canadian Society of Ecology and Evolution Annual Meeting, *invited presidential address*. Halifax, NS, 14-17 May.
- Gauthier, G. 2009. Impact of climate change on arctic terrestrial food webs: examples from the Bylot Island long term study. Canadian Society of Ecology and Evolution Annual Meeting, Halifax, NS, 14-17 May.
- Krebs, C.J. 2009. The struggle for existence in a world of climate change. Symposium on Charles Darwin's Publication of the Origin of Species, *invited lecture*, Carleton University, Ottawa, ON, Feb.
- \*Pollock, L., E. Nol & K.F. Abraham. 2009. Migrant shorebird use of a sub-arctic stopover site. Third Annual Meeting of the Western Hemisphere Shorebird Group, Mazatlan, Mexico, 9-13 March.
- \*Bolduc, E., L. McKinnon & J. Bêty. 2009. Terrestrial arthropod abundance in the Canadian Arctic: investigating spatial and temporal variation in resource availability for Arctic-nesting insectivores. Third Annual Meeting of the Western Hemisphere Shorebird Group, Mazatlan, Mexico, 9-13 March.
- McKinnon, L., E. Bolduc & J. Bêty. 2009. Potential effects of climate change on arctic nesting shorebirds via direct and indirect trophic interactions. Third Annual Meeting of the Western Hemisphere Shorebird Group, Mazatlan, Mexico, 9-13 March.
- Berteaux, D. 2008. The Northern biodiversity paradox: global crisis yet local enrichment. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Bolduc, E., L. McKinnon, & J. Bêty. 2008. Terrestrial arthropod abundance and phenology in the Canadian Arctic; modeling the variation in resources available to arctic-nesting insectivores. Arctic Change Conference, Quebec City, QC, 9-12 Dec.

- \*Cameron, C., D. Berteaux & F. Dufresne. 2008. Free love in the far north: Reproductive strategies used by arctic foxes on Bylot Island, Nunavut. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Doiron, M., G. Gauthier & E. Lévesque. 2008. Plant-herbivore interactions and climate change: The Case of the Greater Snow Goose. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- \*Edwards, K.A. 2008. Nitrogen uptake by *Carex aquatilis* during spring thaw in a sub-Arctic wet sedge meadow. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- \*Gagnon, C & D. Berteaux. 2008. Aspects of Knowledge Acquisition and Transfer to Assess the Vulnerability and Resilience of Two Arctic Communities to Environmental Changes. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Gallant, D., B.G. Slough, D. Berteaux & D.G. Reid. 2008. Arctic fox versus red fox in the Canadian arctic: Is there a clear winner after 38 years of monitoring in the warming northern Yukon? Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Gauthier, G. & M.C. Cadieux. 2008. Impact of climate change on arctic terrestrial food webs: examples from the Bylot Island long term study. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Gauthier, G. & D. Berteaux. 2008. Arctic Wildlife Observatories Linking Vulnerable EcoSystems (ArcticWOLVES): A study of the impact of climate change on tundra food webs. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Horrigan, E. 2008. The influence of simulated herbivory on soil microbial carbon in a freshwater sedge meadow in Churchill, MB. Arctic Change Conference, Quebec City, QC 9-12 Dec.
- \*Juillet, C., M. Doiron, G. Gauthier & M.C. Cadieux. 2008. Importance of local and regional climatic effects on the reproduction of a migratory species, the Greater Snow Goose. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- McKinnon, L, P.A. Smith, F. Doyle, J.L. Martin, J. Bêty, K. Abraham, H.G. Gilchrist, E. Nol & R.I.G. Morrison. 2008. Latitudinal trends in predation pressure: investigating the vulnerability of shorebirds to climate induced shifts in predator composition. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- \*Tarroux, A., D. Berteaux & J. Bêty. 2008. Satellite tracking of arctic foxes reveals their dependence on sea ice in the high Canadian Arctic. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Therrien, J.F., G. Gauthier & J. Bêty. 2008. Reproductive success and long-distance movements of Snowy Owls: is this top arctic predator vulnerable to climate change? Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- \*Valiquette, M.A. & G. Gauthier. 2008. Numerical and functional responses of a generalist avian predator, the glaucous gull, to variations in lemming abundance in the Arctic. Arctic Change Conference, Quebec City, QC, 9-12 Dec.
- Gauthier, G. 2008. How can we communicate effectively with northern communities: examples from wildlife research conducted on Bylot Island for the IPY project ArcticWOLVES. Government of Canada International Polar Year researcher workshop, Quebec City, QC, 9 Dec.
- Berteaux, D. 2008. La protection des écosystèmes nordiques contre les changements climatiques. 33e congrès annuel de l'Association des Biologistes du Québec, Montréal, 12-13 Nov.
- Gauthier, G. 2008. Les changements climatiques dans le Nord Canadien et ses impacts sur la faune : les bénéfices des études à long-terme. 33e congrès annuel de l'Association des Biologistes du Québec, Montréal, 12-13 Nov.

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- \*Witte, C.R., R.L. Jefferies, R.F. Rockwell & D. Walker. 2011. Habitat degradation on the Cape Churchill Peninsula has expanded south along the coast and into inland marshes. Twelfth North American Arctic Goose Conference, Portland, OR, 11-14 Jan.
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