



Scaling Up Camera Trap Surveys to Inform Regional Wildlife Conservation

Presenter List, as of April 1, 2020

See [HERE](#) for event web page

*Unfortunately, speakers listed in grey are like unable to accommodate the event date change from May 2020 to Oct 2020 in response to the COVID19 crisis. In most cases this is due to conflicts with scheduled fieldwork or financial uncertainty following the global pandemic.

ORAL PRESENTATIONS

Ian Adams, Larix Ecological Consulting. *Use of 3G motion camera to monitor an active Flammulated Owl nest near a mineral exploration drilling site*

Co-Authors: Jeff Berdusco, Moose Mountain Technical Services; Richard Klafki, Klafki Consulting

Jorje Ahumada, Wildlife Insights, Moore Centre for Science and Conservation International. *Opening keynote, talk title TBD*

Meghan Beale, Golder Associates Ltd. *Using remote cameras to assess spatial patterns of mammalian habitat use in the elk valley*

Co-Authors: Kyle Knopff, Golder Associates Ltd.; Alliah Adams Knopff, Talus Environmental Consulting Inc.; Lanny Amos, Teck Coal Limited

Stephan Boraks, 2151068 Alberta Ltd. *Integrating monitoring tools to plan for human-wildlife coexistence near Canmore, Alberta*

Stan Boutin, University of Alberta, Alberta Biomonitoring Institute (ABMI). *Estimating Animal Density from Camera Trap Data Through Large-Scale Regional Monitoring*

Co-Authors: S. White, ABMI, InnoTech Alberta; D. Huggard, ABMI; R. Serrouya, ABMI; M. Becker, ABMI

Cole Burton, Canada Research Chair in Terrestrial Mammal Conservation, University of British Columbia. *Scaling up insights from camera trapping in western Canada with the WildCAM network*

Wendel Challenger, LGL Limited Environmental Research Associates. *Models and monitoring: using camera trap data to assess long-term trends in wildlife populations*

Co-Authors: Virgil Hawkes, LGL Limited Environmental Research Associates

Devin Chen, University of Calgary. *A new viewpoint: investigating the use of arboreal camera traps in Madagascar to assess lemur occupancy*

Co-Authors: Pamela Narváez-Torres, University of Calgary; Olivia Tiafinjaka, University of Mahajanga, Ed Louis, Jr., Madagascar Biodiversity Partnership, Omaha's Henry Doorly Zoo & Aquarium; Steig Johnson, University of Calgary

Emily Chow, Ministry of Forests Lands and Natural Resource Operations and Rural Development. *Kootenay remote camera wildlife monitoring project*

Corinna Copp, Alberta Biomonitoring Institute. *WildTrax, a Tool to Standardize and Maximize the Utility of Environmental Sensor Monitoring Data*

Co-Authors: Monica Kohler, Alberta Biodiversity Monitoring Institute (ABMI); Alex MacPhail, ABMI; Erin Bayne, University of Alberta, ABMI; Tara Narwani, ABMI

Alexia Constantinou, University of British Columbia (UBC). *Mammal Responses to a Gradient of Forest Harvesting Treatments Across Interior BC*

Co-Authors: Cole Burton, UBC; Suzanne Simard, Belowground Ecology Group, UBC; Dexter Hodder, John Prince Research Forest, c/o Chuzghun Resources Corporation

Kim Dawe, Quest University Canada. *Monitoring dynamics of mammal intensity of use in outdoor recreation hot spots in the Sea to Sky Corridor*

Melanie Dickie, University of British Columbia – Okanagan (UBCO), Alberta Biomonitoring Institute. *Disentangling the relative influence of climate and landscape alteration in facilitating deer expansion in the boreal*

Co-Authors: Rob Serroya, ABMI; Craig DeMars, ABMI; Stan Boutin, University of Alberta; Adam Ford, UBCO

Jason Fisher, University of Victoria. *The Changing Face of Mammal Communities on the East Slopes of the Rocky Mountains*

Virgil Hawkes, LGL Limited. *Using camera traps to assess wildlife occurrence and distribution in Alberta's oil sands region*

Pamela Hengeveld, Synergy Applied Ecology. *Statistical analysis of site use patterns derived from camera trap detections and traffic counter data in a 10-year Before-After-Impact-Control study design*

Co-Authors: J. Clint Cubberley, Synergy Applied Ecology

Nicole Kahal, Miistakis Institute & **Lynette Hiebert**, City of Calgary Parks. *Urban wildlife monitoring: Calgary Captured challenges Calgaryans to better understand their wild Neighbors*

Roland Kays, North Carolina State University, North Carolina Museum of Natural Sciences. *Evening Keynote title tbd*

Amanda MacDonald, Alberta Conservation Association. *Evaluating the effectiveness of fence modifications to create permeable fences for pronghorn*

Co-Authors: Paul Jones, Alberta Conservation Association; Andrew Jakes, National Wildlife Federation; Daniel Eacker, University of Montana; Brian Martin, The Nature Conservancy; Mark Hebblewhite, University of Montana

Solene Marion, University of St Andrews. *Impacts of outdoor recreation on deer space-use and behaviour in a Scottish upland landscape*

Robin Naidoo, World Wildlife Foundation – US, University of British Columbia (UBC). *Relative effects of recreational and environmental factors on wildlife in the South Chilcotin mountains*

Co-Authors: Cole Burton, UBC

Pamela Narváez-Torres, University of Calgary. *Are arboreal camera traps better than line-transects for documenting lemur diversity?*

Co-Authors: Devin Chen, University of Calgary; Sheila Holmes, Swedish University of Agricultural Sciences; Olivia Tiafinjaka, Université de Mahajanga; Ed Louis Jr., Omaha's Henry Doorly Zoo & Aquarium; Steig Johnson, University of Calgary

Jesse Patterson, Ministry of Environment and Climate Change Strategy. *Wildlife camera data standards and access in the Province of BC – integrating data across projects and jurisdictions*

Lucy Perera-Romero, Washington State University. *The use of multispecies occupancy approaches to assess human disturbance impacts on wildlife communities in the Maya Biosphere Reserve Guatemala*

Co-Authors: D. Thornton, Washington State University; R. McNab, Wildlife Conservation Society: Guatemala Program; García-Anleu, Wildlife Conservation Society – Guatemala Program

Keerthikrutha Seetharaman, University of British Columbia. *Understanding effects of forest fragmentation on vertebrates of Area de Conservación, Guanacaste Province, Costa Rica*

Caroline Seip, Government of Alberta, University of British Columbia. *Mammalian responses to caribou recovery activities in west-central Alberta*

Co-Authors: Robin Steenweg, Canadian Wildlife Service/ECCC; Cole Burton, University of British Columbia; Dave Hervieux, Government of Alberta; Jason Fisher, University of Victoria

Daniel Thornton, Washington State University. *Regional camera-trapping data to inform species status: declining white-lipped peccary populations in Mesoamerica*

Co-Authors: Rafael Reyna², Lucy Perera-Romero¹, Jeremy Radachowsky³, Mircea G. Hidalgo-Mihart⁴, Rony Garcia³, Roan McNab³, Lee McLoughlin³, Rebecca Foster⁵, Bart Harmsen^{5,6}, José F. Moreira-Ramírez³, Fabricio Diaz-Santos³, Christopher Jordan^{5,7}, Roberto Salom-Pérez⁵, Ninon Meyer^{2,8}, Franklin Castaneda⁵, Fausto Antonio Elvir Valle⁹, Gabriela Ponce Santizo³, Ronit Amit^{10,11}, Stephanny Arroyo-Arce¹², Ian Thomson¹², Ricardo Moreno^{8,13}, Cody Schank^{7,14}, Paulina Arroyo-Gerala¹⁵, Horacio V. Bárcenas¹⁶, Esteben Brenes-Mora^{7,17}, Ana Patricia Calderón⁵, Michael V. Cove¹⁸, Diego Gomez-Hoyos¹⁹, José González-Maya¹⁹, Danny Guy¹², Gerobuam Hernández Jiménez²⁰, Maarten Hofman²¹, Roland Kays^{13,22}, Travis King¹, Marcio Arnoldo Martínez Menjivar²³, Javier de la Maza¹⁵, Rodrigo León-Pérez¹⁵, Victor Hugo Ramos², Marina Rivero²⁴, Sergio Romo-Asunción²⁴, Rugieri Juárez-López⁴, Alejandro Jesús-de la Cruz^{4,5}, J. Antonio de la Torre²⁴, Valeria Towns¹⁵, Jan Schipper²⁵, Hector Orlando Portillo Reyes⁹, Adolfo Artavia⁸, Edwin Hernández-Perez²⁶, Wilber Martínez², Gerald R. Urquhart²⁷, Howard Quigley⁵, Lain E. Pardo²⁸, Joel C. Sáenz²⁹, Khiavett Sanchez², John Polisar³.

¹ School of the Environment, Washington State University, Pullman, WA, 99163, USA.

² El Colegio de la Frontera Sur (ECOSUR), Department of Biodiversity Conservation, Lerma, México

³ Wildlife Conservation Society, 2300 Southern Blvd, The Bronx, NY 10460, USA

⁴ División Académica de Ciencias Biológicas, Universidad Juárez Autónoma de Tabasco. Villahermosa, Tabasco 86039, México

⁵ Panthera, 8 West 40th Street, 18th Floor, New York, NY, USA

⁶ Environmental Research Institute, University of Belize, Price Centre Road, Belmopan, Belize

⁷ Global Wildlife Conservation, P.O. Box 129, Austin, TX, 78767, USA

⁸ Fundación Yaguará Panamá, Ciudad de Panamá, Panamá

⁹ Fundación en Ciencias para el Estudio y Conservación de la Biodiversidad, Tegucigalpa, Honduras

¹⁰ School of Biology, University of Costa Rica, 11501-2060 San José, Costa Rica

¹¹ People & Fauna Program, Confraternidad Guanacasteca, 50503 Guanacaste, Costa Rica

¹² Coastal Jaguar Conservation, 126-3100 Santo Domingo, Heredia, Costa Rica

¹³ Smithsonian Tropical Research Institute, Balboa, Panama

¹⁴ University of Texas, Department of Geography and the Environment, Austin, Texas, USA

¹⁵ Natura y Ecosistemas Mexicanos, A. C. Plaza San Jacinto, Ciudad de México, México

- ¹⁶ Facultad de Ciencias, Universidad Nacional Autónoma de México. Av. Universidad 3000, Circuito exterior S/N. Ciudad Universitaria, Mexico City, 04510, Mexico
- ¹⁷ Costa Rica Wildlife Foundation, Barrio Escalante, 10101 San José, Costa Rica
- ¹⁸ Department of Applied Ecology, North Carolina State University, Raleigh, North Carolina, USA
- ¹⁹ ProCAT Colombia/Internacional, Las Alturas, Coto Brus, Puntarenas, Costa Rica
- ²⁰ CONANP, Calle Misael Nuñez Acosta #61, Fraccionamiento Magisterio Democrático, Oaxaca 70014, Mexico
- ²¹ Wildlife Sciences, University of Goettingen, Goettingen, Germany, School of Environment, Natural Resources and Geography, Bangor University, Bangor, United Kingdom
- ²² Department of Forestry and Environmental Resources, NC State University, Raleigh, NC, USA
- ²³ Instituto Nacional de conservación y Desarrollo forestal, áreas protegidas y vida silvestres, Tegucigalpa, Honduras
- ²⁴ Bioconciencia A.C., Mexico City, Mexico
- ²⁵ Arizona Center for Nature Conservation/Phoenix Zoo, Phoenix, AZ 85008
- ²⁶ Dirección de Reservas Estatales Balam-Kú y Balam-Kin, Secretaría de Medio Ambiente, Biodiversidad y Cambio Climático, Fracciorama 2000, San Francisco de Campeche, Campeche, México
- ²⁷ Lyman Briggs College and the Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI 48825 USA
- ²⁸ School of Natural Resource Management, Nelson Mandela University, George, South Africa
- ²⁹ Instituto Internacional en Conservación y Manejo de Vida, Universidad Nacional, Heredia, Costa Rica

Jesse Whittington, Parks Canada. *Bison to bears: monitoring wildlife trends along the Canadian Rocky Mountains using remote cameras*

Co-Authors: Mark Hebblewhite, University of Montana; Barb Johnston, Banff National Park; Brenda Shepherd, Jasper National Park; Karsten Heuer, Banff National Park; Sara Williams, University of Montana

POSTER PRESENTATIONS

Joanna Burgar, MFLNRORD. *How many deer in your backyard? Using camera traps and location data to estimate the density of an urban ungulate population*

Co-Authors: Alina Fisher, University of Victoria (UVIC); Sandra Frey, UVIC; Wylie Fuller, UVIC; Jason Fisher, UVIC

Katherine Baillie-David, University of Victoria. *Evaluating the effects of a woodland caribou recovery strategy on grey wolf resource selection using camera traps*

Co-Authors: Andrew Ladle, University of Victoria; John Volpe, University of Victoria; Jason Fisher, University of Victoria

Sam Foster, University of Idaho. *Disentangling the effects of landscape disturbance and community interactions on mule deer behaviour and habitat selection in Southern B.C.*

Lisa Dahlseide, Weaselhead/Glenmore Park Preservation Society. *Calgary Captured: Using citizen science to teach about wildlife coexistence K-Grade 9*

Co-Authors: Matthew Wallace and Andie Antal

Laura Eliuk, University of Victoria. *The impacts of human activity and landscape change on a mammal community*

Co-Authors: Jason Fisher, University of Victoria

Mitch Fennell, University of British Columbia (UBC). *Multi-species Mammal Monitoring in Cathedral Provincial Park*

Co-Authors: Cole Burton, UBC

Nicola K. Guthrie, University of Calgary. *A comparison of different methods in determining the presence of an endangered mouse lemur throughout a human-modified landscape in South-Eastern Madagascar*

Co-Authors: Vero Ramananjato, University of Antananarivo; Nancia N. Raoelinjanakolona, University of Antananarivo ; Ed Louis Jr., Omaha's Henry Doorly Zoo & Aquarium; Steig Johnson, University of Calgary

Paul F. Jones and **Amanda M. MacDonald**, Alberta Conservation Association. *Changing the way we see fences: camera traps document the true impacts of fences on wildlife*

Heather Klassen, MFLNRORD and **Jessica Pyett**, Mount Arrowsmith Biosphere Region Research Institute. *Plant Phenology and Productivity: Detecting and Understanding Climate Change*