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ABS448	Spatial Distribution of Snowmelt Energy at Scotty Creek, NWT	3.1 Changements climatiques	Emily Haughton	Wilfrid Laurier University
ABS516	Measurement and modelling of the impact of climate-induced changes in snow physical properties on the ground thermal regime.	3.1 Changements climatiques	Florent Domine	Université Laval
ABS607	Warming of permafrost in the Chic-Chocs range, towards disappearance of sporadic mountain permafrost in south-eastern Quebec?	3.1 Changements climatiques	Gautier Davesne	Université de Montréal
ABS674	Comparaison régionale de la dynamique des avalanches de neige; des Chic-Chocs (Québec, Canada) au Mont Washington (New Hampshire, États-Unis)	3.1 Changements climatiques	Jean-Philippe Martin	Institut des Sciences de l'environnement, Université du Québec à Montréal
ABS613	ÉVOLUTION DES TOURBIÈRE À PERGÉLISOL DU LAC À L'EAU-CLAIRE (NORD DU QUÉBEC) EN RÉPONSE AUX CHANGEMENTS CLIMATIQUES	3.1 Changements climatiques	Karine Langlais	Unversité Laval
ABS450	Effects of galling herbivory on ground thaw through shrub-soil heat transfers in Canada's northern boreal forest	3.1 Climate Change	Allison McManus	Wilfrid Laurier University
ABS014	Natural Disasters Analyses based on Severe Storms in Brazil	3.1 Climate Change	Anna Peixoto	São Paulo State University
ABS599	Recent Variation of Daily Precipitation and Temperature of the Lower Liard River Basin	3.1 Climate Change	Bhaleka Persaud	Wilfrid Laurier University
ABS064	Changes of Soil Thermal and Hydraulic Regime in permafrost regions over Northern Hemisphere landmass in 21st Century	3.1 Climate Change	Chenghai Wang	Lanzhou university
ABS267	Observed and Predicted Thermal Regime under an Instrumented Highway Embankment on Degrading Permafrost	3.1 Climate Change	David Flynn	University of Manitoba
ABS123	Arctic cities, permafrost and changing climatic conditions	3.1 Climate Change	Dmitry Streletskiy	The George Washington University
ABS381	DEW Line Thermal Landfill Monitoring Data	3.1 Climate Change	Elizabeth Garven	Tetra Tech EBA Inc.
ABS669	U.S. Geological Survey: Climate and Permafrost Monitoring Networks - Arctic Alaska	3.1 Climate Change	Frank Urban	U.S. Geological Survey
ABS429	Spatial Analysis, Geospatial Technology, and the Evolution of the Circumpolar Active Layer Monitoring Program	3.1 Climate Change	Frederick Nelson	Northern Michigan University
ABS245	Interannual variability of climate characteristics and dynamics of permafrost on the Yamal Peninsula	3.1 Climate Change	GALINA MALKOVA	Earth Cryosphere Institute SB RAS, Tyumen state oil and gas University
ABS041	Climate Change Vulnerability Study – Dempster Highway, Yukon and Northwest Territories	3.1 Climate Change	J Richard Trimble	Tetra Tech EBA Inc.
ABS210	The permafrost outcrop Batagay in Arctic Siberia brings light to interglacial vegetation of Beringia	3.1 Climate Change	Kseniia Ashastina	Senckenberg Research Station of Quaternary Palaeontology
ABS214	Ice-wedge thermokarst leads to greater heterogeneity of Arctic ecosystems	3.1 Climate Change	Michael Becker	McGill University

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ABS237	Variability and Change in Permafrost Thermal State in Northern Canada	3.1 Climate Change	Sharon Smith	Geological survey of Canada, Natural Resources Canadad
ABS331	Characterization of Permafrost Thermal State in the Southern Yukon	3.1 Climate Change	Sharon Smith	Geological Survey of Canada, Natural Resources Canadad
ABS479	Changes in Permafrost and Active-layer Temperatures along an Alaskan Permafrost-Ecological Transect	3.1 Climate Change	Vladimir Romanovsky	University of Alaska Fairbanks
ABS058	Impacts of snow cover on the permafrostin on Qinghai-Tibet Plateau based on the field observation and simulation	3.1 Climate Change	Yao Xiao	Cold and Arid Regions Environmental and Engineering Research Institute,CAS
ABS117	Active Layer Variability and Change in the Mackenzie Valley, Northwest Territories	3.2 Dégradation du pergélisol	Caroline Duchesne	Geological Survey of Canada
ABS709	Using resistivity method to characterize water flow patterns in permafrost environment Ilulissat, Greenland	3.2 Dégradation du pergélisol	Julie Malenfant Lepage	Département de génie civil et de génie des eaux, Université Laval
ABS463	The effects of drainage channels on collapse scar bogs in discontinuous permafrost terrain	3.2 Dégradation du pergélisol	Ryan Connon	Wilfrid Laurier University
ABS199	How reliable is the mass variation in the Siberian permafrost region as observed by GRACE mission?	3.2 Permafrost Degradation	Akbar Shabanloui	Institute of Geodesy, Leibniz Universität Hannover
ABS097	Geotechnical problems of Chukchi settlements associated with permafrost degradation	3.2 Permafrost Degradation	Alexey Maslakov	Lomonosov Moscow State University
ABS191	Spatial variability of soil temperature and active-layer thickness in the permafrost regions of Russia during the last fifty years	3.2 Permafrost Degradation	Artem Sherstiukov	All-Russian Research Institute of Hydrometeorological Information - World Data Centre
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ABS602	Permafrost Stabilization Through Convection Pipe Cooling	3.2 Permafrost Degradation	Christian Nesrallah	University of Ottawa, Department of Transportation for the Government of the Northwest Territories
ABS266	Observed Deformations of an Existing Highway Embankment on Degrading Permafrost	3.2 Permafrost Degradation	David Flynn	University of Manitoba
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ABS176	The Inuvik Airport Runway – An evaluation of 50 years of performance	3.2 Permafrost Degradation	Ed Hoeve	Tetra Tech EBA Inc.
ABS361	Viruses in ancient ice wedges in Central Yakutia	3.2 Permafrost Degradation	Elina Karnysheva	Moscow State University
ABS527	Experimental modeling of conditions for dissociation relic gas hydrates in permafrost	3.2 Permafrost Degradation	Evgeny Chuvilin	Moscow State University, Skolkovo institute of science and technology
ABS557	Thermal conductivity of bottom sediments in the East Siberian Arctic seas: case study in the Buor-Khaya Bay	3.2 Permafrost Degradation	Evgeny Chuvilin	Moscow state university, SkolTech

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ABS318	Geophysical imaging of permafrost conditions along the northern Yukon Alaska Highway	3.2 Permafrost Degradation	Greg Oldenborger	Natural Resources Canada
ABS281	Reduced uncertainties in the interaction of permafrost warming and carbon dynamic by vertically resolved soil biogeochemical model	3.2 Permafrost Degradation	Hotaek Park	JAMSTEC
ABS106	Degrading permafrost in China and its environmental impacts	3.2 Permafrost Degradation	Huijun Jin	State Key Laboratory of Frozen Soils Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou 730000 China
ABS630	The deep-seated lowland relict permafrost from the Suwalki region (NE Poland) - analysis of conditions of its development and preservation	3.2 Permafrost Degradation	JAN SZEWCZYK	Polish Geological Institute
ABS367	InSAR Monitoring of Transportation Infrastructure in Permafrost Regions	3.2 Permafrost Degradation	Jayson Eppler	MDA Systems Ltd.
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ABS420	ENVIRONMENTAL DYNAMICS IN PERMAFROST REGIONS OF CENTRAL AND NORTHERN YAKUTIA: GEOLOGY AND HYDROLOGY EVIDENCE	3.2 Permafrost Degradation	Jiri Chlachula	1Laboratory for Palaeoecology, T. Bata University in Zlin; 2Institut of Geoecology and Geoinformation, A. Mickiewicz University, Poznan, Poland
ABS283	Characterizing relict late Pleistocene permafrost valley fills along the Alaska Highway, southwest Yukon	3.2 Permafrost Degradation	Joel Pumple	University of Alberta
ABS421	PERMAFROST DEGRADATION AND INFRASTRUCTURE – SETTLEMENT RISKS IN CENTRAL YAKUTIA	3.2 Permafrost Degradation	Jolanta Czerniawska	Institute of Geoecology and Geoinformation, A. Mickiewicz University, Poznan, Poland
ABS691	Agricultural adaptations to changing permafrost conditions in southern Yukon	3.2 Permafrost Degradation	Karen McKenna	CryoGeographic Consulting
ABS704	IMPACT OF LAND COVER DISTURBANCES ON PERMAFROST LANDSCAPES: CASE STUDIES FROM YUKON COMMUNITIES	3.2 Permafrost Degradation	Katerine Grandmont	Geocryolab, Département de géographie, Université de Montréal, QC, Canada
ABS183	Permafrost Thermal Regime at north and south slopes, Kunlun Mountain, Qinghai-Tibet Plateau	3.2 Permafrost Degradation	Lin Zhanju	State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS341	Considering Permafrost in the Design of Linear Infrastructure through Mountainous Terrain	3.2 Permafrost Degradation	Lukas Arenson	BGC Engineering Inc.
ABS720	Numerical simulation of coupled groundwater flow and heat transport in a continuous permafrost environment at the Iqaluit airport, Nunavut, Canada	3.2 Permafrost Degradation	masoumeh shojae ghias	Département de géologie et génie géologique – Université Laval, Québec, Québec, Canada
ABS544	Climate gets warmer-But why palsas do not thaw?	3.2 Permafrost Degradation	Matti Seppälä	University of Helsinki
ABS585	Recent Synthesis Research on the Permafrost Carbon Feedback	3.2 Permafrost Degradation	Merritt Turetsky	University of Guelph
ABS144	The effects of permafrost degradation on the hydrological regime of subarctic peatlands	3.2 Permafrost Degradation	Michael Braverman	Inspec Sol Inc
ABS132	Effect of Precipitation on Long-term Variability of Upper Permafrost Temperatures in Central Yakutia, NE Russia	3.2 Permafrost Degradation	Pavel Konstantinov	Melnikov Permafrost Institute of Siberian Branch of Russian Academy of Science
ABS140	Spatial variations and characterization of water isotopes in the Source Area of the Yellow River	3.2 Permafrost Degradation	Peng Yi	Hohai University

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ABS741	Spatial and temporal variability in the net primary production of alpine grassland on the Tibetan Plateau since 1982	3.2 Permafrost Degradation	Yili Zhang	Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS)
ABS182	Thermal uncertaintys and an evaluation of permafrost models in an area of Wudaoliang basin	3.2 Permafrost Degradation	yin guoan	State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS275	Vegetation is the dominated carbon source to support greenhouse gas emission changes in subarctic peatland with permafrost thaw	3.2 Permafrost Degradation	Zheng Wang	Department of Geography, McGill University, and Centre for northern studies (CEN)
ABS127	Liquefaction-induced damage to buried geotechnical structures during earthquake: a review	3.3 Earthquake	Ahmed Mahmoud	Département de génie civil – Université de Sherbrooke
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ABS484	A Suggested Procedure for Application of Probabilistic Seismic Hazard Assessment Results in Lateral Spreading Models	3.3 Earthquake	Hamid Karimian	BGC Engineering Inc.
ABS195	Evaluation of seismic performance of pile using dynamic analysis for near field earthquakes	3.3 Earthquake	Hassan Moniri	MSc Student
ABS686	Dynamic group pile effect under fully coupled non-linear soil-pile-structure interaction in soft clay	3.3 Earthquake	Hooman Torabi	PhD Candidate
ABS668	Numerical Analysis of Liquefaction Mechanism in Hydraulic fill dams	3.3 Earthquake	Mahya Hatambeigi	Kharazmi University
ABS437	Preliminary results of the investigation on the effect of permafrost on earthquake-induced ground motion amplification in the Mackenzie Delta, NWT.	3.3 Earthquake	Michelle Côté	Geological Survey of Canada, Natural Resources Canada
ABS701	Permanent seismic deformation of dry sand slopes	3.3 Earthquake	Mohamed Mansour	Ain Shams University
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ABS561	Liquefaction susceptibility mapping derived from terrain mapping, experience on long linear projects	3.3 Earthquake	Pete Quinn	BGC Engineering Inc.

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ABS671	INVESTIGATION OF PILE BEHAVIOR IN LIQUEFIABLE SOILS DURING EARTHQUAKES	3.3 Earthquake	S. Majdeddin Mir Mohammad Hosseini	Amirkabir University of Technology
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ABS616	Engineering geology, electrical resistivity tomography survey and displacement monitoring of the Dawson City landslide, Yukon	3.4 Landslides	Marc-Andre Brideau	BGC Engineering
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