



Wednesday, May 03

Time	Title	Presenter
08:15 - 09:00	Registration & breakfast	
09:00 - 09:15	Welcome remarks	Luc-Alain Giraldeau Dean of Faculty of Sciences, UQÀM
09:15 - 09:40	CNRCWP update and research highlights	Laxmi Sushama UQÀM
	Theme A: Specific weather and climate phenomena permitted by high-resolution	
09:40 - 09:55	Environmental conditions that facilitate extreme precipitation events	John Gyakum McGill University
09:55 - 10:10	The importance of wave break events for synoptic-scale buildups of zonal available potential energy	Kevin Bowley McGill University
10:10 - 10:25	A surface dynamic and thermodynamic analysis of long-duration freezing rain events	Christopher McCray McGill University
10:25 - 10:45	Coffee break	
10:45 - 11:05	Some tools and results from our research into Temperature Extremes	Richard Grotjahn UCDavis
11:05 - 11:20	Simulations of an ice storm using a predicted bulk liquid fraction	Melissa Cholette UQÀM
11:20 - 11:35	Investigating added value of regional climate modelling in North American winter storm track simulations	Emmanuel Poan UQÀM
11:35 - 12:00	Open discussion on theme A	
12:00 - 13:30	Lunch & Posters	
	Theme B: Statistical extremes allowed by fine mesh and land-atmosphere feedbacks	
13:30 - 13:45	North American extreme rainfall events under climate change	Andreas Prein NCAR
13:45 - 14:00	Probable maximum precipitation (PMP)	Mohamed Ali Ben Alaya University of Victoria
14:00 - 14:20	Challenges associated with projecting changes in sub-daily precipitation extremes	Xuebin Zhang CDAS, ECCC Francis Zwiers PCIC
14:20 - 14:40	Extreme weather in a changing climate	Michael Wehner Lawrence Berkeley National Lab

Time	Title	Presenter
14:40 - 14:55	Dynamical downscaling of CanCM4 seasonal forecasts over North America	Gulilat Diro UQÀM
14:55 - 15:15	Coffee break	
15:15 - 15:35	Tropical cyclone activity enhanced by Sahara greening and reduced dust emissions during the African Humid Period	Francesco Pausata Stockholm University
15:35 - 15:55	Targeted analysis of extremes for the impact and adaptation community	Dae Il Jeong UQÀM
15:55 - 16:10	Budget studies of transient-eddy and internal variability in Global and Regional Climate Model simulations	Oumarou Nikiéma UQÀM
16:10 - 16:35	Open discussion on theme B	
16:45 - 17:45	Special meeting: Network HQP meeting, PK-1140	
16:45 - 17:45	Informal discussions/meetings; Arctic Terrestrial Modeling workshop committee meeting	
18:00 - 20:00	Dinner (for all participants)	

Thursday, May 04

Time	Title	Presenter
08:30 - 09:15	Registration (for people joining on day two) & breakfast	
	Theme C: Land-surface processes enhanced by improved representation of surface heterogeneity	
09:15 - 09:35	Overview of the ECCC's Ice-Atmosphere-Ocean short-term prediction system for the Arctic	Jason Milbrandt RPN, ECCC
09:35 - 09:50	Regime Transitions of Stratification and Turbulence-Convection Interaction Based on Observations and a New Diagnostic Turbulence Scheme in CanAm4 Climate Models	Yanping He University of Victoria
09:50 - 10:10	Changing Arctic terrestrial snow cover: an update of current understanding	Ross Brown CPS, ECCC
10:10 - 10:30	The importance of the 3-D structure of the surface to the land-atmosphere exchanges	Eleanor Blyth NERC, UK
10:30 - 10:50	Coffee break	
10:50 - 11:05	A strategy to represent impacts of subgrid-scale topography on snow evolution in the Canadian Land Surface Scheme	Rachel Hay University of Northern British Columbia
11:05 - 11:20	Subgrid snow parameterization in CRCM5/CLASS	Arman Ganji UQÀM
11:20 - 11:35	Similarities and dissimilarities in the evolution of the Canadian Arctic and Western Canadian Glaciers in a future warmer climate	Caio Ruman UQÀM

Time	Title	Presenter
11:35 - 11:55	Canadian Land data assimilation system	Stéphane Bélair ECCC
11:55 - 12:10	Distributed modelling of glacier mass balance and meltwater runoff in Western and Arctic Canada	Shawn Marshall University of Calgary
12:10 - 13:30	Lunch & Posters	
13:30 - 13:50	The Coordinated Regional Downscaling Program (CORDEX): Research and support for climate services	William Gutowski Iowa State University
13:50 - 14:05	Temperature extremes modulated by migrating tree-line	Bernardo Stephan Teufel UQÀM
14:05 - 14:25	Recent development and application of CLASS-CTEM	Joe Melton ECCC
14:25 - 14:40	Lake effect snow in current and future climate for the Great Lakes region	Oleksandr Huziy UQÀM
14:40 - 14:55	Climatological assessment of spatiotemporal trends in monthly snowfall totals and extremes over the Laurentian Great Lakes Basin	Janine Bajinath University of Waterloo
14:55 - 15:15	Coffee break	
15:15 - 15:35	CLASS-related developments, specifically the regional testing of a new lake model	Diana Versegny ECCC
15:35 - 15:50	Application of new urban roughness parameterization in single-layer Urban Canopy Model for WRF and its application for future urban climate projection	Nisrina Setyo/ Alvin Varquez Tokyo Institute of Technology
15:50 - 16:05	Accounting for pothole associated non-contributing areas in the land surface scheme	Arman Ganji UQÀM
16:05 - 16:20	The role of snow trend and variability on the future snow-atmosphere coupling	Gulilat Diro UQÀM
16:20 - 16:45	Open discussion on theme C	
16:50 - 17:50	Special meetings: Scientific Advisory Board (SAB) meeting with HQP and network partners, Agora; Meeting of co-investigators, PK-1140	
17:00 - 18:00	Cocktail provided by CMOS	
18:00 - 20:00	Dinner (for all participants)	

Friday, May 05

Time	Title	Presenter
08:30 - 09:15	Breakfast	
09:15 - 09:30	NSERC evaluation of NSERC-CCAR program - Case study of CNRCWP and overall evaluation findings	Elyse McCall Thomas NSERC

09:30 - 09:45	Future of high performance computing in Canada	Suzanne Talon Compute Canada
09:45 - 11:15	NEI enhanced technology transfer: status and plans (15 min talks by network partners and discussion)	<ul style="list-style-type: none"> • Anne Walker ECCC • Michael Vieira Manitoba Hydro • Anne Frigon Ouranos • Arelia Schoeneberg PCIC • Ram Yerubandi WSTD • Laxmi Sushama CNRCWP
11:15 - 11:35	Coffee break	
11:35 - 12:35	Discussion: Accomplishments, knowledge gaps, emerging topics, end-user feedback	SAB, Theme Leaders, CORE
12:35 - 12:50	Closing remarks	Laxmi Sushama UQÀM
12:50 - 14:00	Lunch	
14:00 - 16:00	Special meeting: Joint SAB-SSC meeting, PK-1140	

May 03 – May 04, Posters

Title	Presenter
Simulations of the Montreal urban heat island	Francois Roberge UQÀM
Quantifying the role of urban surfaces in regional climate prediction systems	Gemechu Fanta UQÀM
Sub-grid representation of snow in Land Surface Models	Arman Ganji UQÀM
Projected changes to surface wind characteristics and extremes over North America in CRCM5	Dae Il Jeong UQÀM
The projected impact of dynamic vegetation on climate change over the pan-Arctic	Bernardo Stephan Teufel UQÀM
Added value of dynamical downscaling of winter seasonal forecasts over North America	Gulilat Tefera Diro UQÀM
Retreating Canadian glaciers and their implications for regional climate and hydrology in future climate	Caio Ruman UQÀM
On the representation of heavy lake-effect snow events for the Laurentian Great Lakes region in a Regional Climate Model	Oleksandr Huziy UQÀM
Characteristics of high-impact long-duration freezing rain events over North America	Christopher McCray McGill University
Probabilistic description of probable maximum precipitation	Mohamed Ali Ben Alaya CCCma, PCIC

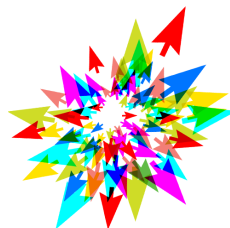
Title	Presenter
Synoptic-scale zona available potential energy increases in the Northern Hemisphere	Kevin Bowley McGill University
Understanding and representing stable boundary layer over cold regions based on observations and a new diagnostic turbulence scheme in CanAm4 Climate Models	Yanping He University of Victoria
Climatological assessment of spatiotemporal trends in observational monthly snowfall totals and extremes over the Canadian Great Lakes Basin	Janine Bajinath University of Waterloo
Detection and attribution of Spring Snow Equivalent (SWE) changes over the Northern Hemisphere	Dae Il Jeong UQÀM
Impact of urban regions on the surface energy and water partitioning over east North America	Gemechu Fanta UQÀM
Accounting for pothole associated non-contributing area in the Canadian Land Surface Scheme	Arman Ganji UQÀM
Simulations of ice pellets and freezing rain using an explicit parameterization of the bulk liquid fraction of ice particles	Melissa Cholette UQÀM
On the study of a major ice pellet storm in the Toronto area in a climate change context	Sébastien Marinier UQÀM
Evaluation of the added value of high resolution in the Canadian Regional Climate Model for freezing rain	Médéric St-Pierre UQÀM
Climate change study of mixed precipitation over southern Quebec using a Regional Climate Model	Dominic Matte UQÀM

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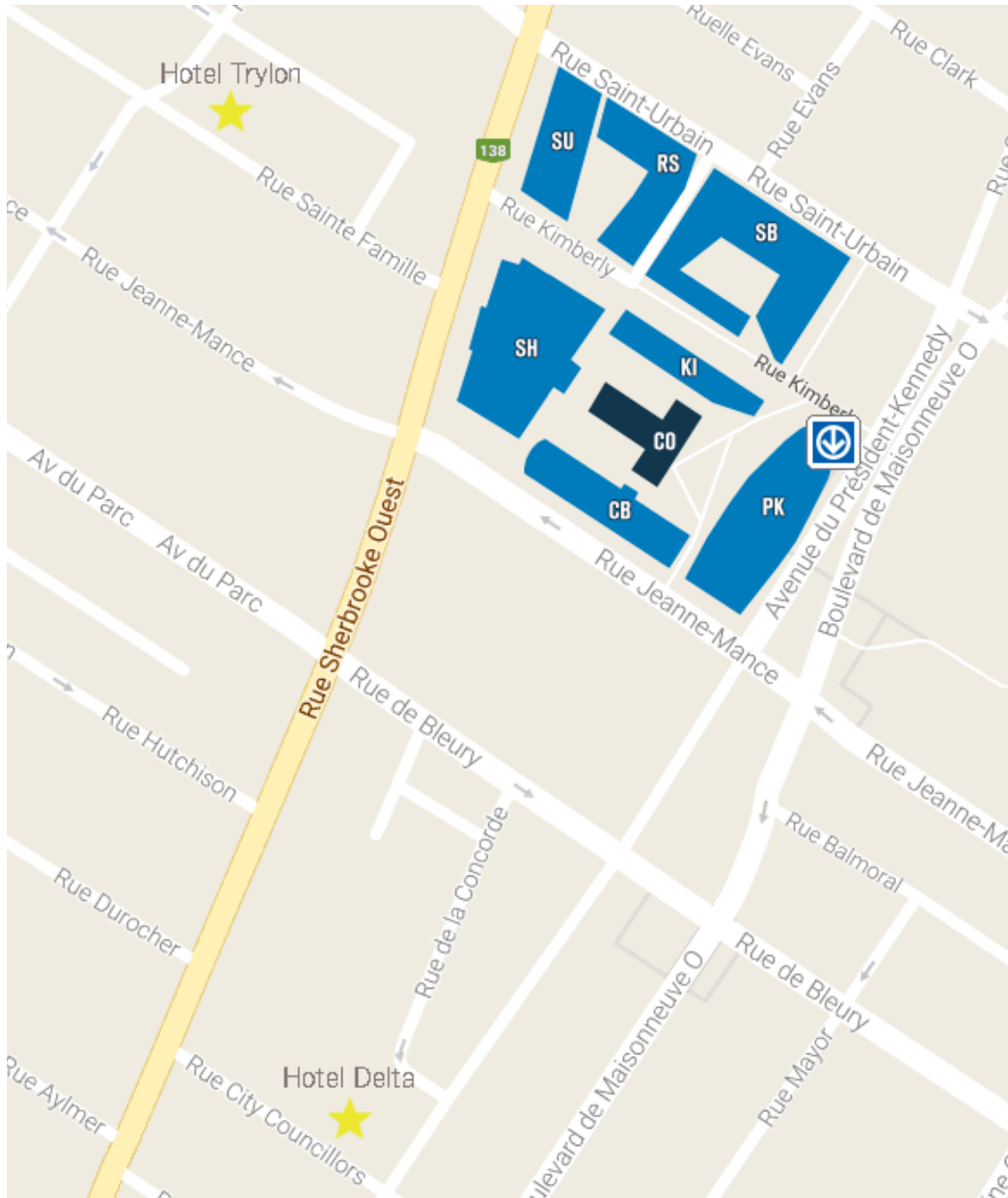
Environment and
Climate Change Canada

List of participants

	Name	Affiliation
1	Alexandru, Adelina	UQÀM, ESCER
2	Baijnath, Janine	University of Waterloo
3	Bélair, Stéphane	ECCC - RPN
4	Ben Alaya, Mohammed Ali	CCCma, PCIC
6	Biner, Sebastien	Ouranos
7	Blanchet, Jean-Pierre	UQÀM, ESCER
8	Blyth, Eleanor	NERC, UK
9	Bourque, Alain	Ouranos
10	Bowley, Kevin	McGill University
11	Brown, Ross	Ouranos
12	Brunet, Gilbert	ECCC - RPN
13	Casati, Barbara	ECCC - RPN
14	Charron, Martin	ECCC - RPN
15	Chaumont, Diane	Ouranos
16	Cholette, Mélissa	UQÀM, ESCER
17	Côté, Hélène	Ouranos
18	Coursol, Laurence	UQÀM, ESCER
19	Couture, Gilles	UQÀM
20	DeBeer, Chris	CCRN
21	de Elía, Ramón	Servicio Meteorológico Nacional, Argentina, ESCER
22	Déry, Stephen	University of Northern British Columbia
23	Desroches-Lapointe, Aurélie	UQÀM
24	Diaconescu, Emilia Paula	Ouranos
25	Diro, Gulilat Tefera	UQÀM, ESCER
26	Duarte, Luis	UQÀM, ESCER
27	Dugas, Bernard	UQÀM, ESCER
28	Duguay, Claude	University of Waterloo
29	Fanta, Gemechu	UQÀM, ESCER
30	Fournier, Élyse	Ouranos
31	Frigon, Anne	Ouranos
32	Gachon, Philippe	UQÀM, ESCER
33	Ganji, Arman	UQÀM, ESCER
34	Garnaud, Camille	ECCC - RPN
35	Gauthier, Pierre	UQÀM, ESCER
36	González Linares, Mónica	UQÀM, ESCER
37	Grotjahn, Richard	University of California Davis
38	Giguère, Michel	Ouranos
39	Graillon, Lucas	UQÀM, ESCER
40	Gutowski, William	Iowa State University
41	Gyakum, John	McGill University
42	Hamzaoui, Cherif	UQÀM
43	Harvey, Richard	Ouranos
44	Hay, Rachel	University of Northern British Columbia
45	He, Yanping	University of Victoria
46	Hesaraki, Sareh	UQÀM, ESCER
47	Huard, Georges	UQÀM, ESCER
48	Huziy, Oleksandr	UQÀM, ESCER
49	Jeong, Dae Il	UQÀM, ESCER
50	Keita, Setigui Aboubacar	UQÀM, ESCER
51	Laprise, René	UQÀM, ESCER
52	Leduc, Martin	UQÀM, ESCER
53	León, Luis	ECCC - WSTD
54	Leroyer, Sylvie	ECCC - RPN

	Name	Affiliation
55	Lin, Hai	ECCC - RPN
56	Logan, Travis	Ouranos
57	Madan, Gaurav	UQÀM, ESCER
58	Marinier, Sébastien	UQÀM, ESCER
59	Marshall, Shawn	University of Calgary
60	Martineu, Pascale	UQÀM
61	Matte, Dominic	UQÀM, ESCER
62	McCall Thomas, Elyse	NSERC
63	McCray, Christopher	McGill University
64	McFadden, Vanessa	UQÀM, ESCER
65	Melton, Joe	ECCC - CPS
66	Milbrandt, Jason	ECCC - RPN
67	Monteiro, Diego	UQÀM, ESCER
68	Monteiro, Eva Rosa	UQÀM, ESCER
69	Moreno Ibáñez, Marta	UQÀM, ESCER
70	Music, Biljana	Ouranos
71	Nikiéma, Oumarou	UQÀM, ESCER
72	Ngueto, Yves Franklin	UQÀM, ESCER
73	Paquin, Dominique	Ouranos
74	Pausata, Francesco	University Stockholm
75	Pelletier, Ludovick S.	UQÀM, ESCER
76	Pierre, Adrien	Ouranos
77	Poan, Emmanuel	UQÀM, ESCER
78	Prein, Andreas	NCAR
79	Purcell, Karl	UQÀM, ESCER
80	Roberge, François	UQÀM, ESCER
81	Rondeau-Genesse, Gabriel	Ouranos
82	Roy, René	Ouranos
83	Roy, Sylvie	NSERC
84	Ruman, Caio	UQÀM, ESCER
85	Sankare, Housseyni	UQÀM, ESCER
86	Scinocca, John	ECCC - CCCma, University of Victoria
87	Schoeneberg (Werner), Arelia	PCIC
88	Serrano Damha, Camilo Ismael	UQÀM
89	Setyo, Nisrina	Tokyo Institute of Technology
90	Sharp, Rawni	NSERC
91	St-Pierre, Médéric	UQÀM, ESCER
92	Sushama, Laxmi	UQÀM, ESCER
93	Talon, Suzanne	Compute Canada
94	Teufel, Bernardo Stephan	UQÀM, ESCER
95	Thériault, Julie	UQÀM, ESCER
96	Valin, Michel	UQÀM, ESCER
97	Versegny, Diana	ECCC - CPS, UQÀM
98	Vieira, Michael	Manitoba Hydro
99	Walker, Anne	ECCC - CPS
100	Wehner, Michael	Lawerence Berkeley National Lab
101	Winger, Katja	UQÀM, ESCER
102	Yerubandi, Ram	ECCC - WSTD
103	Zhang, Xuebin	ECCC - CDAS

UQAM Science campus map



The Agora conference room is located in the CO building.