

## Meeting of the CMOS Ottawa Centre Executive

Tuesday, 29 June 2021

Approved Minutes

**Venue:** Zoom videoconference hosted by the Ottawa Centre

**Call to Order:** 3:00 PM

**Meeting Chair:** Barry Goodison

**Present:** Len Barrie, Yvon Bernier, Denis Bourque, Sheila Bourque, Dawn Conway, Barry Goodison, Bob Jones, Helen Joseph, Leslie Malone, Ann McMillan, Michael Steeves, John Stone

**Not present:** Ray Desjardins; Abby Dalton (student representative, U. Ottawa); Ada Loewen (student representative Carleton U.).

**Members of the Ottawa Centre Executive for 2021-22 and web links:** see **ANNEX 1**

1. The Chair welcomed the Executive to the meeting. It was moved by Bob Jones and seconded by Sheila Bourque to adopt the agenda. All were in favour.
2. It was moved by Denis Bourque and seconded by Yvon Bernier to approve the minutes of the meeting of 4 May 2021. All were in favour.
3. **Update on actions from the last meeting**

**Table 1:** Action items from the January/February/March meetings with status

Assigned To	Action	Status
DB	Identify how many CMOS Ottawa members from the Kingston area are participating in the luncheon talks	<b>Closed.</b>
LB	Develop a documented procedure for the Ottawa Science Fair	Completed. <b>Closed.</b>
AD	Contact Laura Thomson to promote participation at Queens U.	<b>Closed.</b>
AD	Contact Jackie Dawson's group for a talk for the 2021-22 season.	<b>Unknown.</b>
AL	Contact Stefan Gruber and Chris Burn for a talk for the 2021-22 season.	<b>In progress,</b> Ada is awaiting a response.
BG	At the next Centre Chairs meeting, discuss decline in CMOS-relevant projects at local science fairs	<b>Completed.</b> Other centres have seen the same thing and also note that the curriculum does not include weather/climate. <b>Closed.</b>
JS	Pass on contact information for and correspondence with the CMOS Scientific Committee to Len Barrie	<b>Moot.</b> At the AGM it was made clear that the Scientific Committee is being overhauled.
LB	Contact CMOS to find out the status of the Scientific Committee	<b>Moot.</b> As above.

**Table 2:** Action items from the 4 May meeting with status:

Agenda item	Assigned To	To do	Status
5c	DB	Review/analyze the 2020-21 talk series	To discuss, item 6
6	LM	Assemble/disseminate list of speaker suggestions for the 2021-22 season	<b>Completed</b>
8.2	All	Propose amendments/additions to the speaker list for 2021-22	To discuss, item 7
7	DC&BJ	Inform Members re Ottawa Centre election	<b>Completed</b>
8	YB	Prepare report on the 2021 Outaouais Science Fair	To discuss, item 5
8	DB	Send LB the SKU for a certificate frame	<b>Completed</b>
8	LB	Purchase 2 frames, send the framed certificates to the winners	<b>Completed</b>
9.1	JS	Write to John Smol (Queens U.)	<b>In progress.</b> JS is awaiting further discussion.
9.2	SB	Contact Jim Abraham regarding revising the old pamphlets	<b>Completed.</b> JA plans to speak with ECCC and SPEC to see if anything can be done with the materials. <b>Closed.</b>
9.3	BG	Discuss the status of the CMOS Scientific Committee at the upcoming Centre Chairs meeting	<b>Completed. Closed.</b>

#### 4. Financial Report

The Treasurer reported that there were no issues or any new developments to report for the finances. The Financial statement for the period 30 June 2020 through 30 June 2021 (an interim statement for the use of the Centre only) is attached as **ANNEX 2**. Of note:

- the Zoom licence for 9 months cost \$203.40;
- no transfers were made by CMOS National for the 2021 science fairs (the Centre used the funds that had been sent for the 2020 Science Fairs which had to be cancelled due to the pandemic);
- there is presently only one GIC (worth \$3204.64 as of 30 June 2021);
- Len will be reimbursed for the two certificate frames and the engraving of the plaque for the Ottawa Science fair.

#### 5. Science Fairs 2021

The 2021 Outaouais and Ottawa science fairs have both been held as virtual events. The judges were Yvon Bernier and Serge Nadon for the Outaouais event, and Len Barrie, Abby Dalton and Ada Loewen for the Ottawa event. The judges' reports are posted with the Centre's archives at: [https://cmosarchives.ca/Ottawa/ScienceFairs/ottawa\\_centre.html](https://cmosarchives.ca/Ottawa/ScienceFairs/ottawa_centre.html)

It was noted that the Ottawa fairs are not organized by the school boards – it is done by a separate entity (<https://youthscience.ca/science-fairs/>). As well, work by the students on, and mentoring by the teachers for, the science fair projects are both extra-curricular activities.

The Centre expressed an interest in seeing the original list of all projects for the 2021 Ottawa Regional Science Fair, from which the judges selected the most CMOS-relevant.

**ACTION:** Len Barrie will send the full list. As well, the Project Board from the Ottawa event, with descriptions of the full set of projects, including those that were awarded the CMOS prizes, can be seen at: <https://projectboard.world/ysc/regional> under Ottawa.

## 6. Summary report of the 2020-21 talks

Denis Bourque developed an analysis of the attendance at the 2020-21 talks hosted by the CMOS Ottawa Centre by Zoom (See **ANNEX 3**). The talk by David Phillips in Nov 2020 was joint with the Toronto Centre and the talk by Andrea Neimi in April 2021 was joint with the Winnipeg Centre. This model of co-hosting with other centres is popular and serves to broaden the audience, potentially to all regions of the country. The Ottawa Centre is seen to be actively promoting CMOS through these activities.

In discussion, the Executive agreed that:

- this analysis was very useful, and quite informative (i.e. on the numbers of participants that are CMOS Members, or that represent the private sector).
- March and April have lower participation rates. Perhaps this is in part due to it being a busy time, but as well it was a period in which there were two talks per month. The Executive agreed that for next year the target should be no more than one talk per month to avoid 'meeting fatigue'.
- This analysis covers the participation in the live events – there have been many more views of the talks once they have been posted on the CMOS YouTube channel (e.g. the YouTube video of the Derksen talk on 'Key Findings from Canada's Changing Climate Report' has been viewed 176 times to date). All CMOS videos can be seen at: <https://www.youtube.com/channel/UC4t43xJOADPdsUVPwkGtq-Q/videos> )

Denis is working with CMOS national to make finding the talks easier. As well, it is planned to create the links to all talks organized by the Ottawa Centre on the centre's archive page.

## 7. Schedule of Speakers 2021-2022

For the 2021-22 season, the suggestions made to date have been captured in a table that is circulating separately to these minutes. Some suggestions are quite tentative at this point, but some are likely, with an agreement in place with several speakers to offer a talk and details such as final topic and date under discussion. The Executive may, of course, continue to propose topics and speakers for either 2021-22, or for 2022-23. The primary objective over this next two months is to firm up and schedule at least the talks for the Sept-Dec period of 2021.

As to past Actions, those to connect with U. Ottawa and Carleton U. are in progress (Abby and Ada are following up) and Ray Desjardins is seeking to firm up the Mer Bleu talk by Elyn Humphries.

## 8. Other business

### 8.1 Future Science Fairs

The Executive considered whether it would be possible to support the participation of disadvantaged children in the Science Fair Process. It was noted that there might be potential through STEM activities (noting that Ada Loewen is involved in STEM projects and might later provide input on this).

## 8.2 Anti-bias statements

The Executive noted that groups across the country are tackling bias and discrimination and are aiming to improve inclusiveness, diversity and equity in their areas of concern, in part through specific statements in their public domains. It was agreed to explore this further.

In addition, it was noted that the City of Ottawa honours the peoples and the land of the Algonquin Anishinabe Nation and that many public events in the Ottawa area begin with this recognition. The Executive will discuss this further at its September meeting.

## 8.3 CMOS Congress 2021

All agreed that the virtual event went very well. The ice-breaker event was well done, as was the programme. Two weeks felt long, but the talks were engaging and diverse.

It is recognized that it has been a real challenge getting strong participation from ECCC and DFO scientists in CMOS Congresses. For the 2021 event, ECCC paid \$25K to cover bulk registration of its employees, and 400 ECCC staff did participate in the Congress (noting that ECCC is much bigger than MSC and that there are only about 300 meteorologists at ECCC now, not all of whom are CMOS Members). DFO, on the other hand, had not agreed to the bulk registration concept, and only 31 DFO staff attended.

The 2022 Congress will be joint with CGU and the Eastern Snow Conference, and so far it is planned as a largely in-person event.

## 8.4 CMOS AGM 2021

Highlights of the AGM were that there is a restructuring taking place in which the roles for a recording and corresponding Secretary are eliminated. The Executive Director's contract will now cover three days per week of work and will include Awards. The Scientific Committee is being revamped. Both Sheila and Denis Bourque have stepped down from CMOS National activities. A fee increase was approved for Members.

## 8.5 Future Ottawa Centre events

With the expectation that meetings of the Executive will remain virtual and that few, if any, talks will be offered this next year as in-person events, the Centre is unlikely to need the venue at the Mess. **ACTION:** Bob Jones will clear out the locker at the Mess where some materials have been stored, as soon as this is feasible.

## 8.6 Arctic Circle

Dawn Conway has been the Centre's focal point with the Arctic Circle this past year. John Stone will take on this role for the next season.

## 9. Date of Next Meeting of the Ottawa Centre Executive

The next meeting for the Centre will take place, by Zoom, in September (date/time TBD in coordination with the first talk of the upcoming season).

## 10. Adjournment

The Chair noted that the 2020-21 season had gone very well, attendance at Executive meetings has been excellent, the series of talks was very well received in the Ottawa region and well beyond. He thanked all for their contributions, and thanked Dawn Conway for having managed the election process. The Executive warmly appreciated the leadership of the Chair during this challenging period.

The meeting adjourned at 16:47.

**ANNEX 1: Ottawa Centre Executive 2021-22** (<https://cmosarchives.ca/Ottawa/ottawaexecs.html> )

<b>Position</b>	<b>Name</b>	<b>e-mail</b>
Chair	Barry Goodison	barrygo@rogers.com
Vice-chair	Len Barrie	leonardbarrie@gmail.com
Treasurer	Yvon Bernier	ycbernier@videotron.ca
Recording Secretary	Leslie Malone	lesliemalone@rogers.com
Membership and Archives	Bob Jones	jonesb@ncf.ca
Education Co-ordinator	Sheila Bourque	sbbourque@rogers.com
Past Chair	Dawn Conway	DMConway1@gmail.com
Member-at-large	Denis Bourque	denisabourque@gmail.com
Member-at-large	Ray Desjardins	Ray.Desjardins@canada.ca
Member-at-large	Helen Joseph	macdonaldjoseph@hotmail.com
Member-at-large	Ann McMillan	mcmillan@storm.ca
Member-at-large	Michael Steeves	meridian848@gmail.com
Member-at-large	John Stone	john.stone@rogers.com
Student rep., U. Ottawa	Abigail Dalton	adalt043@uottawa.ca
Student rep., Carleton U.	Ada Loewen	ada.loewen@gmail.com

**Links:**

The Canadian Meteorological and Oceanographic Society: <https://www.cmos.ca/>

CMOS Ottawa Centre: <https://www.cmos.ca/site/ottawa>

Archived materials: [https://cmosarchives.ca/Ottawa/index\\_ottawa\\_archives.html](https://cmosarchives.ca/Ottawa/index_ottawa_archives.html)

## ANNEX 2

**CMOS OTTAWA CENTRE  
FINANCIAL STATEMENT FOR 2020/2021  
(JUNE 30, 2020 TO JUNE 30, 2021)**

<b>Balance as of June 30, 2020</b>	<b>\$9951.25</b>
 <u>Plus Income</u>	
CMOS Annual Subvention	873.00
Interest Earned on GICs during the period	<u>125.84</u>
<b>Total Income</b>	<b>\$998.84</b>
 <u>Minus Expenses</u>	
Ottawa Regional Science Fair	300.00
Reimbursement for prepaid March 2020 luncheon (cancelled)	210.00
Service charge for 9 months of Zoom software	203.40
Stamps and Envelopes	1.25
Bank Service Charge	<u>0.20</u>
<b>Total Expenses</b>	<b>\$714.85</b>
 <b>Balance as of June 30, 2021</b>	 <b>\$10235.24</b>
 Balance made up of:	
Cash and bank deposit:	7030.60
GIC #15 (matures in Nov. 2022) worth on June 30, 2021	<u>3204.64</u>
	<b>\$10235.24</b>

Yvon Bernier  
Treasurer

## ANNEX 3

### Year-end Report Summary Attendance at CMOS Ottawa Centre Zoom 2020-2021 Talks

Denis Bourque  
25 May 2021

#### Summary

There were 10 talks this year (see last page of this report), but we have no attendance data for #1.

As shown in **Table 1**, our nine *other* talks attracted the attention of 695 different persons<sup>1</sup> who registered for at least one talk. 210 registrants never attended. Therefore, 485 persons did attend one or more talks. We have the locations for 303 of these (Table 3).

Of the 485, 36% were CMOS members. Therefore, 64% of these persons were not CMOS members, which shows that we reached far beyond our membership base (the latter being typical of our traditional luncheon talks).

Given that some persons attended more than one talk, we had a cumulative attendance of 744 persons (average attendance: 83/meeting). CMOS members accounted for 374 (50%) of this attendance.

**Table 1**

		Of those on the left, this many were CMOS Members	% CMOS Members of those who attended
691	Persons Registered for at least 1 session		
7	Persons attended all 9 meetings	7	1.5%
4	Persons attended 8 meetings	4	0.8%
1	Persons attended 7 meetings	1	0.2%
4	Persons attended 6 meetings	4	0.8%
6	Persons attended 5 meetings	5	1.0%
9	Persons attended 4 meetings	8	1.7%
23	Persons attended 3 meetings	8	1.7%
56	Persons attended 2 meetings	30	6.2%
371	Persons attended 1 meetings	107	22.2%
210	Persons registered but attended 0 meetings	58	
			36.2%
744	Total screens (Total attendance)	374	

The details by meeting are shown in **Table 2**.

The relative ratio of participants by sector<sup>2</sup> listed at the bottom of Table 2 are shown in **Fig 1**.

Note the large “government” contingent in David Phillips’ talk and the large “Private Sector” interest in Laura Twidle’s talk. It is unclear why there are so many “Other” in certain talks. All of this data is in a single Excel spreadsheet, should anyone be interested.

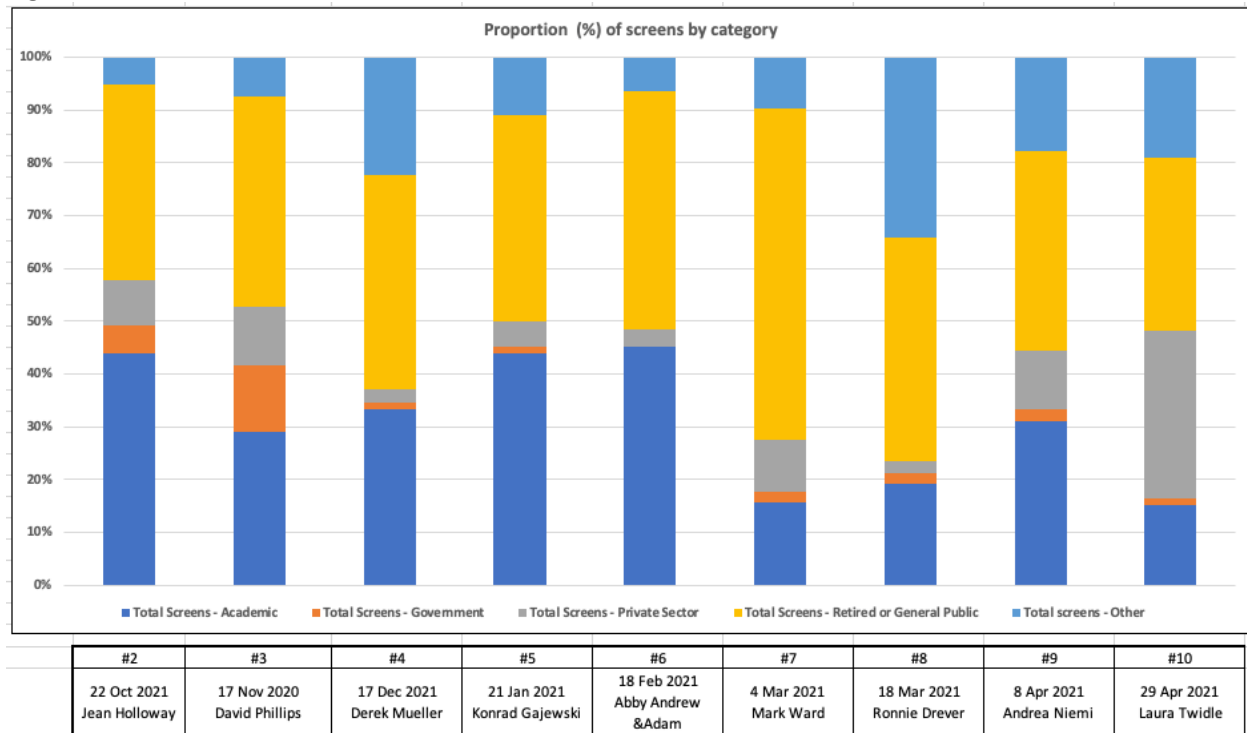
<sup>1</sup> Each email account that registered is counted as one person.

<sup>2</sup> Registrants self-identified by “sector”. “Academics” includes anyone in that sector, including both students and professors

Table 2

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
	24 Sept2020 Kris Derksen	22 Oct 2021 Jean Holloway	17 Nov 2020 David Phillips	17 Dec 2021 Derek Mueller	21 Jan 2021 Konrad Gajewski	18 Feb 2021 Abby Andrew &Adam	4 Mar 2021 Mark Ward	18 Mar 2021 Ronnie Drever	8 Apr 2021 Andrea Niemi	29 Apr 2021 Laura Twidle
Total Screens Participating		57	231	81	82	62	51	47	45	79
Total Screens - CMOS Members		27	100	40	40	32	29	23	26	48
Total Screens - Students		18	49	14	26	15	4	6	7	6
Total Screens CMOS Students		3	11	4	6	6	2	1	1	4
	No Data									
Total Screens - Academic		25	67	27	36	28	8	9	14	12
Total Screens - Government		3	29	1	1	0	1	1	1	1
Total Screens - Private Sector		5	26	2	4	2	5	1	5	25
Total Screens - Retired or General Public		21	92	33	32	28	32	20	17	26
Total screens - Other		3	17	18	9	4	5	16	8	15
<b>Percentages</b>										
Total Screens Participating		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total Screens - CMOS Members		47.4%	43.3%	49.4%	48.8%	51.6%	56.9%	48.9%	57.8%	60.8%
Total Screens - Students		31.6%	21.2%	17.3%	31.7%	24.2%	7.8%	12.8%	15.6%	7.6%
Total Screens CMOS Students		5.3%	4.8%	4.9%	7.3%	9.7%	3.9%	2.1%	2.2%	5.1%
	No Data									
Total Screens - Academic		43.9%	29.0%	33.3%	43.9%	45.2%	15.7%	19.1%	31.1%	15.2%
Total Screens - Government		5.3%	12.6%	1.2%	1.2%	0.0%	2.0%	2.1%	2.2%	1.3%
Total Screens - Private Sector		8.8%	11.3%	2.5%	4.9%	3.2%	9.8%	2.1%	11.1%	31.6%
Total Screens - Retired or General Public		36.8%	39.8%	40.7%	39.0%	45.2%	62.7%	42.6%	37.8%	32.9%
Total screens - Other		5.3%	7.4%	22.2%	11.0%	6.5%	9.8%	34.0%	17.8%	19.0%
Total Registered	No Data	84	353	113	117	81	66	79	45	107
% who attended		68%	64%	73%	73%	78%	80%	62%	78%	76%

Fig. 1





**Table 3** - Locales of the 303 persons for whom we have the information (out of the 485 attendees)

**Locations of Attendees on CMOS Ottawa 2020-2021 Zoom Talks**

Canada			
<b>AB</b>	Calgary		7
	Devon		1
	Edmonton		1
	Lac des Arcs		1
	Red Deer		2
<b>AB Total</b>			12
<b>BC</b>	Campbell River		1
	Ladysmith		1
	Port Moody		1
	Qualicum		1
	Smithers		1
	Summerland		1
	Vancouver		1
	Victoria		6
West Vancouver		1	
<b>BC Total</b>			14
<b>MB</b>	Ste Anne		1
	Wiinipeg		15
<b>MB Total</b>			16
<b>NL</b>	St. John's		3
<b>NL Total</b>			3
<b>NS</b>	Halifax		1
<b>NS Total</b>			1
<b>QC</b>	Dorval		1
	Gatineau		17
	Luskville		2
	Montreal		3
	Québec		2
	Wakefield		1
<b>QC Total</b>			26
<b>SK</b>	Moose Jaw		1
	Regina		5
	Saskatoon		3
<b>SK Total</b>			9
<b>YT</b>	Whitehorse		1
<b>YT Total</b>			1

Canada			
<b>ON</b>	Aurora		1
	Barrie		1
	Brampton		1
	Burlington		2
	Concord		1
	Ghelph		1
	Hamilton		2
	Innisville		1
	Kingston		3
	Kitchener		4
	London		1
	Maberly		1
	Markham		1
	Mississauga		1
	Ottawa Area		162
	Port Sydney		1
	Sharbot Lake		1
	St Catherine		1
	Stouffville		1
	Strathroy		1
Temagami		1	
Toronto		11	
Vaughn		1	
Waterloo		4	
Welland		1	
<b>ON Total</b>			206
<b>CANADA Total</b>			288

<b>China</b>		Wenzhou	1
<b>Germany</b>		Berlin	1
<b>UK</b>		Brough	1
		Dollar	1
<b>US</b>	MA	Boston	5
		Mansfield	1
	MD	Gaithersburg	1
	ME	Damariscott	2
	WA	Seattle	1
	NY	New York Cit	1
<b>INTERNATIONAL Total</b>			15

<b>TOTAL</b>			303
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## Summary of Talks

As of the date of this report, the 10 YouTube videos have drawn 656 views.

#1 - 24 September 2020 - Kris Derksen (Climate Change ) **Key Findings from Canada's Changing Climate Report**

#2 - 22 Oct 2021- Jean Holloway (Climate Change / Forestry ) **Impacts of wildfire on permafrost in the boreal forest of northwestern Canada**

#3 - 17 Nov 2020 - David Phillips (Meteorology/Climate) (Joint with Toronto Centre) **Weather and Climate - Not what your Grandparents knew.**

#4 - 17 December 2020 - Derek Mueller (Arctic / Climate Change) **Cryospheric and ecological changes along Canada's northernmost coast: The Milne Ice Shelf break-up of 2020**

#5 - 21 January 2021 - Konrad Gajewski (Paleoclimatology) **Holocene Climate variability of the North American Arctic and impacts on terrestrial ecosystems & human populations**

#6 - 18 February 2021 - Abby Dalton, Andrew Hamilton, Adam Garbo (Cryosphere / Arctic) **Glacier-ocean-iceberg interaction in the Canadian Arctic Archipelago**

#7 - 4 March 2021 - Mark Ward (Oceanography / Ocean exploration) **Exploring the deeps with M.V. Alucia**

#8 - 18 March 2021 - Ronnie Drever (Climate / Climate change mitigation) **Natural Climate Solutions for Canada**

#9 - 8 April 2021 - Andrea Neimi (Oceans / Arctic) (Joint with Winnipeg Centre) **Exploring drivers of forage species variability in the Beaufort Sea and Amundsen Gulf**

#10 - 29 April 2021 - Laura Twidle (Meteorology) **The Impacts of Extreme Events on the Canadian Insurance Industry**

All the talks were recorded and published on the CMOS YouTube Channel with the exception of the Ronnie Drever talk which will be published when permission is granted.