

NETCARE Workshop 2015

Day 1 - Monday November 16th



All talks are 12 minutes long, with 3 minutes for questions

Posters will be up both days

08:00 – 08:45	Breakfast	Posters will be setup during this time
08:45 – 09:00	Jon Abbatt	Welcome to the NETCARE 2015 Workshop
09:00 – 09:30	Kathy Law	Arctic air pollution: highlights, open issues and new directions
09:30 – 10:00	Poster Introductions	1 minute / 1 slide presentations
10:00 – 11:15	Coffee and Posters	Poster Session 1: the first half of the posters presenters will stand by their posters
11:15 – 12:15	Greg Wentworth	Ammonia in the summertime Arctic marine boundary layer
	Betty Croft	Processes controlling arctic aerosol number: seabird-climate connections
	Rashed Mahmood	Seasonality of global and Arctic black carbon processes in the AMAP multi-model ensemble
	Vickie Irish	Ice nucleation measurements of particles from the Arctic microlayer
12:15 – 01:30	Lunch	Hart House
01:30 – 02:30	Heiko Bozem	The tropospheric composition of the European and Canadian Arctic: Analysis of the chemical background and transport regimes of polluted air masses during NETCARE
	Richard Leitch	Observations of aerosol and liquid-cloud microphysics in the Canadian Arctic during summer
	Rachel Chang	Characterizing artificially-generated marine aerosols
	Sarah Hesarak	Climatological scale evaluation of GEOS-Chem model over the Arctic using sunphotometry retrievals
02:30 – 03:45	Coffee and Posters	Poster Session 2: the second half of the poster presenters will stand by their posters
03:45 – 04:45	Michel Gosselin	Phytoplankton dynamics at receding ice edges in the Canadian High Arctic
	Margaux Gourdal	Arctic melt ponds: an overlooked source of DMS?
	Quentin Libois	A far-infrared radiometer to study optically thin ice clouds in the Arctic
	Megan Willis	An aircraft-based case study of new particle formation and growth in the summertime Arctic
04:45 – 05:00	Martine Lizotte	NETCARE Campaign Video
06:30	Dinner	Scaddabush Italian Kitchen and Bar, Yonge and Gerrard www.scaddabush.com

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Day 2 - Tuesday November 17th



All talks are 12 minutes long, with 3 minutes for questions

Posters will be up both days

08:00 – 09:00 Breakfast

08:45 – 10:00 Ana Cirisan Investigation of the aerosol-cloud-radiation interactions using the coupled atmospheric chemistry model GEM-MACH
Chris Fletcher Probing the uncertainty in global aerosol radiative forcing
Franziska Köllner Airborne single particle composition measurements in Arctic summer
Ann-Lise Norman Sources of size segregated sulfate aerosols in the Arctic summer

10:00 – 10:30 Coffee

10:30 – 12:00 Breakout Sessions

Ocean-Atmosphere Interactions

Leads: Rachel Chang, Maurice Levasseur, Jennifer Murphy

Topic: Goals and plans for the upcoming Amundsen cruise and Alert campaigns

POLAR6 Campaigns

Leads: Heiko Bozem, Julia Burkart, Richard Leaitch

Topic: Status and plans for data analysis arising from the POLAR6 campaigns

Aerosol Processes and Radiative Forcing

Leads: Randall Martin, Jeff Pierce and Knut von Salzen

Topic: Goals of the modeling projects by the end of NETCARE

12:00 – 01:30 Lunch - Joint meeting of Executive Committee, Steering Committee, NSERC Rep

01:30 – 03:00 Reports from breakouts and discussion of research plans (roughly 30 minutes each)

03:00 – 03:30 NETCARE Workshop Wrap Up

- Comments on the network by the Steering Committee
- Discussion of Budget
- Knowledge Transfer Plans
- Additional items

03:30 Finish

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Poster Sessions



We have scheduled two dedicated poster sessions over the two-day workshop. On day one, prior to the first poster session, there will first be a 30 minute period for single-slide, one minute poster introductions.

Session 1

Amir Aliabadi	Ship emission measurements from plume intercepts of the Canadian Coast Guard Amundsen icebreaker from the Polar 6 aircraft
Allan Bertram	Size-resolved measurements of ice nucleating particles at eight North American and European sites
Matt Boyer	The hygroscopicity parameter of marine organics in sea spray aerosols
Julia Burkart	Observations of ultrafine particles and CCN from the boundary layer to the free troposphere in the Arctic summertime
Julia Burkart, M. Willis	Preliminary observations of aerosol characteristics and composition in the springtime Arctic
Joannie Charette	Spatial variability of microbial communities in Arctic melt ponds
Laurence Coursol	Data assimilation of far infrared radiation in polar regions
Roya Ghahremaninezhadgharelar	Atmospheric Dimethyl Sulfide (DMS) onboard the Amundson, above melt and aboard the POLAR 6
Michel Gosselin	Bloom dynamics and DMS production in waters diverging from a sharp ice edge in Nares Strait
Hakase Hayashida	Production and degradation of dimethylsulfide within lower-trophic level sympagic and pelagic polar marine ecosystems: A 1-D model study at Resolute Passage

Session 2

Rachel Hussherr	Impact of ocean acidification on DMS production by Arctic under-ice bloom
Setigui Keita	Importance of chemical composition of ice nuclei on the formation of arctic ice clouds
Luis Ladino	A marine biogenic source of atmospheric ice-nucleating particles
Katrina Macdonald	Temporally-refined sources of contaminants in Arctic snow
Lisa Miller	The relationship between sea-surface microlayer composition and air-sea pCO ₂ disequilibrium
Emma Mungall	Is the sea surface microlayer a source of oxygenated volatile organic compounds to the Arctic troposphere?
Emma Mungall	Summertime sources of dimethyl sulfide in the Canadian Arctic archipelago and Baffin Bay
Ludovick Pelletier	Analysis of ice clouds observed during the NETCARE Arctic field experiment
Sangeeta Sharma	Source influences on the aerosol size distribution and CCN activity at the Resolute Bay ground site
Meng Si	Possible sources of ice nucleating particles over Inuvik during springtime 2015
Junwei Xu	Developing the GEOS-Chem model to represent the seasonal and spatial variation of black carbon concentrations in the Arctic