CATCH Workshop Program		
Wednesday - 19 April 2017		
8:00 Coffee and Registration		
Session 1: Welcome and intorduction to CATCH 9:00 What is CATCH? 9:10 The International Global Atmospheric Chemistry (IGAC) Project (1.008) 9:20 CATCH in the context of SOLAS (1.033) 9:30 Science Community Input for CATCH (1.055)	Jennie Thomas Megan Melamed Alfonso Saiz-López Markus Frey	
Session 2 - Aerosols and clouds, Chair: Jen Murphy, Notes: James France		
 9:45 Overview - Aerosols and clouds in the cold regions 10:00 What are the sources of ice nucleating particles in the high latitudes? (1.068) 10:15 Arctic aerosol measurements and transport in the frame of the Ice-Atmosphere-Ocean Observing System (IAOOS) project (1.046) 10:30 Coffee 11:00 Black Carbon and Aerosol Chemistry at high-altitude site in the central Himalayas (1.026) 11:15 Blowing snow-Aerosol Interactions: Composition Changes during Blowing Snow Events in Antarctica (1.039) 11:30 Sea Salt Aerosol from Blowing Snow above Sea Ice – observed evidence of a missing source (1.054) 	Jen Murphy Ben Murray Claudia Di Biagio Kipra Ram Michael Giordano Markus Frey	
11:45 The Problem with Arctic Clouds (1.047)	Jo Browse	
12:00 Lunch and poster session (I) Can we use field data and models to constrain laboratory measurements of nitrate photochemistry in/on ice? (1.029)	Cort Anastasio	
Central Antarctica as a source of atmospheric mercury for lower latitude ecosystems (1.065) Characterization of the chemical, physical and optical properties of atmospheric aerosols in the Canadian High Arctic (1.040)	Aurélien Dommergue Samantha Tremblay	
Cross-polar transport and scavenging of Siberian aerosols containing black carbon during the 2012 ACCESS summer campaign (1.032)	Jean-Christophe Raut	
Trace gas and aerosols emissions from boreal wildfires and impact on atmospheric pollution in the Arctic (1.067) International Collaborations: The Arctic Council's Impacts on Background Concentrations of SLCF's in the	Solene Turquety Michael Giordano	
Arctic (1.038) Release of photochemical bromine from blowing snow events in high latitudes (1.045) sea ice-ocean-atmosphere biogeochemistry at ICM-CSIC (1.041) Sensitivity of Arctic mixed-phase clouds to micro- and macrophysical changes (1.024) Spectroscopic Characterization of Anisole at the Air-ice Interface: Distribution of Organic Pollutants on the Ice Surface (1.049)	Paul Griffiths Manuel Dall'Osto Gesa Eirund Pablo Corrochano Diaz	
Session 2 - Aerosols and clouds (continued)		
14:00 Evidence for marine-biogenic influence on summertime Arctic aerosol (1.014) 14:15 Simultaneous observation of precursor vapours, clusters and new particle formation in Antarctica (1.044)	Megan Willis Tuija Jokinen	
14:30 Discussion	Jen Murphy	
Session 3 - Biogeochemistry and biology, Chair: Manuel Dall'Osto, Notes: Jen Murphy		
 14:45 Overview of biogeochemistry and biology 15:00 How do interfacial exchange rates of biogeochemical process-related trace gases trigger the Arctic climate system? (BGC in MOSAiC) (1.066) 15:15 Lessons learned from multi-disciplinary research in the cryosphere using mercury as a case study (1.052) 	Manuel Dall'Osto Ellen Damm) Catherine Larose	
15:30 Discussion 15:45 Coffee	Manuel Dall'Osto	
Session 4 - Halogens, ozone, and mercury, Chair: Alfonso Saiz-López, Notes: Markus Frey		
16:15 Overview - Halogen, ozone, mercury cycles in cold regions	Alfonso Saiz-López	
16:30 Quantitatively relating air mass history and meteorology to boundary layer ozone depletion events over the Arctic Ocean (1.069)		
16:45 125,000 year bromine variability in connection to Arctic sea ice in the Renland ice core (1.007) 17:00 Polar boundary layer bromine explosions and ozone depletion in the global chemsitry climate model EMAC (1.020)	Niccolò Maffezzoli Björn-Martin Sinnhuber	
17:15 Understanding the climate sensitivity of the snow source of reactive halogens (1.036)17:30 Hierarchy of models for improving the understanding of snow and ice chemistry and its interactions with atmospheric chemistry in the Arctic (1.060)	Becky Alexander Kenjiro Toyota	
17:30 Conference cocktail reception & dinner at LATMOS		

	Thursday - 20 April 2017	
8:00	Coffee	
Cossian A. Ha	legans arona and marsum (continued)	
	logens, ozone, and mercury (continued)	Kerri Pratt
	Snowpack Molecular Halogen Production in the Springtime Arctic (1.061)	
	Understanding the Impact of Biomass Burning on Ozone Conditions in the Arctic (1.059)	Audra McClure-Begley
9:15	Discussion	Alfonso Saiz-López
Session 5 - Su	rface processes and ice, Chair: Cort Anastasio, Notes: Megan Willis	
9:30	Overview of snow/ice and surface processes	Cort Anastasio
9:45	In situ real-time measurements of key trace gases in ice-core and oceans (1.025)	Roberto Grilli
10:00	The Arctic hydrosphere-cryosphere complex: a dynamic nexus of biogenic dimethylsulfide production	Martine Lizotte
	during summer (1.021)	
10:15	Coffee	
10:45	HONO over polluted mid-latitude snow (1.056)	Jochen Stutz
	Discussion	Cort Anastasio
	ndamentals of chemistry in cold regions, Thorsten Bartels-Rausch, Notes: Jochen Stutz	Thomaton Doubals Double
	Overview of fundamentals related to chemistry in cold regions	Thorsten Bartels-Rausch
	Speciation and location of impurities on ice characterized via spectroscopy and microscopy (1.042)	Dominik Heger
	Halogen activation over snow and ice doped with NaBr aerosols (1.019)	Jacinta Edebeli
12:00	Discussion	Thorsten Bartels-Rausch
12:15	Lunch and poster session (II)	
	Intrinsic chemical reaction between iron oxide and iodide in ice and its environmental impacts (1.006)	Kitae Kim
	Air-snow exchange of nitrogen oxides and ozone at a polluted mid-latitude site (1.053)	Jen Murphy
	Heterogeneous Oxidations of Oxy-PAHs in the Environment (1.028)	Marcelo Guzman
	Tracing the origin of black carbon deposition over the Greenland ice sheet to forest fires in Canada	Jennie Thomas
	(1.064)	
	Evaporating brine from frost flowers with electron microscopy: implications for atmospheric chemistry	Xin Yang
	and sea-salt aerosol formation (1.030)	
	Development of the Finse Alpine Research Station towards a platform for multi-disciplinary research on Land-Atmosphere Interaction in Cold Environments (LATICE) (1.072)	John Burkhart
	Long Term Ecological Research at the Lautaret Station: the FluxAlp project (1.071)	Didier Voisin
	Marine Aerosol Production and Chemical Composition in the Arctic (1.062)	Kerri Pratt
	Multiphase atmospheric chemistry in cold regions (1.048)	Faye McNeill
	The polar iodine paradox (1.034)	Alfonso Saiz-López
	Hunting liquid micro-pockets and quasi-liquid layers of ice in presence of salt or acidic trace gases :: X-	Thorsten Bartels-Rausch
	ray spectroscopy (1.010)	morsten barters-nausch
	On the measurement of gas phase halogenated species (1.058)	Xucheng He
	oject overviews and facilities, Chair Anna Jones, Notes: Kerri Pratt	
	CATCH activities at British Antarctic Survey field research platforms? (1.027)	Anna Jones
	air Pollution in the Arctic: Climate Environment and Societies (PACES) (1.043)	Kathy Law
14:40	I3CE: Vision for collaborative, international, interdisciplinary study of ice chemistry in the environment	Faye McNeill
44.50	(1.050)	Inn Marriahar
14:50	Highlights from NETCARE (Network on Climate and Aerosols: Addressing Key Uncertainties in Remote	Jen Murphy
	Canadian Environments) (1.051)	
	Coffee	
15:30	Research opportunities at Villum Research Station in North Greenland for climate relevant studies. A	Niels Bohse Hendriksen
	new research infrastructure (1.063)	
	Bringing BEPSII to CATCH (1.018)	James France
15:50	International Arctic Systems for Observing the Atmosphere (IASOA) A System Science Consortium	Taneil Uttal
	(1.057)	
16:00	An Overview of the Roland von Glasow Air-Sea-Ice Chamber: Bringing the Arctic to the Laboratory	James France
10.10	(1.009)	John Burkhart
	Summit Station research opportunities Discussion	John Burkhart Anna Jones
10.20	DISCUSSION:	, uma jones
Session 8 - De	fining future directions for CATCH, Chair: Jennie Thomas, Notes: Megan Melamed	
10.40	Discussion: Defining future directions for CATCH	Jennie Thomas
16:40		
	Thanks & final word from meeting sponsors IGAC, SOLAS, and PARCS	Megan Melamed, Alfonso Saiz