

CRAICC ANNUAL MEETING 2013, AGENDA

Aarhus, 21st to 23th of August 2013

21.08 Wednesday

- 11:00 - 12:00 Arrival at the hotel, check-in and registration
- 12:00 - 13:00 Lunch
- 13:00 – 13.15 Opening of the conference by the CRAICC-project leader Academy Professor Markku Kulmala
- 13:15 - 13:30 Welcoming to Aarhus by the Head of the Department of Chemistry at Aarhus University Professor Ib Johannsen
- 13:30 – 14:50 Scientific session W1, chairs Birgitta Svenningsson and Mathew Salter

	Presenter	Topic
13:30-13:50	MARKKU KULMALA	NEW RESULTS IN THE FORMATION OF ATMOSPHERIC CLUSTERS
13:50-14:10	HANNA LAPPALAINEN & TUUKKA PETÄJÄ	PANEURASIAN EXPERIMENT (PEEX): OVERVIEW
14:10-14:30	TUUKKA PETÄJÄ	BIOGENIC AEROSOLS: EFFECTS ON CLOUDS AND CLIMATE (BAECC) 2014
14:30-14:50	MICHAEL BOY	OVERVIEW ABOUT THE VISITS AT ALL CRAICC-PARTNERS

- 14:50 – 15:00 Knowledge transfer - collaboration and new initiatives by Antti Lauri
- 15:00 – 15:30 Information from the coordinator about the annual and financial report from all partners and what is expected from the WP-leaders. Further the tasks for the WP meetings will be explained.

15:30 - 16:00	Short break, refreshments
16:00 - 18:00	Work packages will meet for discussions
18:00 - 20:00	Poster Session (soft drinks will be served)
18:00 - 19:00	SSC-meeting only for SSC-members
20:00	Conference-Dinner at the hotel

22.08 Thursday

7:00 - 8:30 Breakfast

8:30 - 10:00 Scientific session T1, chairs Ilona Riipinen and Erik Thomson

	Presenter	Topic
08:30-09:00	MICHAEL EVAN GOODSITE & SIRKKU JUHOLA	PRESENTATION BY THE NCOE NORD-STAR (NORDIC CENTRE OF EXCELLENCE FOR STRATEGIC ADAPTATION RESEARCH) (IMPACT OF A CHANGING CRYOSPHERE: DEPICTING ECOSYSTEM-CLIMATE FEEDBACKS FROM PERMAFROST, SNOW AND ICE)
09:00-09:30	TORBEN CHRISTENSEN	PRESENTATION BY THE NCOE DEFROST (INTERACTION BETWEEN CLIMATE CHANGE AND THE CRYOSPHERE)
09:30-10:00	PERSON NOT DECIDED	PRESENTATION BY THE NCOE SVALI (IMPACT OF A CHANGING CRYOSPHERE: DEPICTING ECOSYSTEM-CLIMATE FEEDBACKS FROM PERMAFROST, SNOW AND ICE)

10:00 – 10:30 General Assembly and discussion about upcoming field campaigns
(e.g. Station Nord)

10:30 - 11:00 Short break, refreshments

11:00 - 12:40 Scientific session T2, chairs Gesa Weyhenmeyer and Keyan Fang

	Presenter	Topic
11:00-11:20	VILLE KASURINEN (CF)	MODELLING LATENT HEAT EXCHANGE IN BOREAL AND ARCTIC BIOMES
11:20-11:40	EKATERINA BATCHVAROVA (CF)	THE INTERPLAY OF LOCAL AND MESOSCALE FACTORS ON THE BOUNDARY LAYER STRUCTURE IN SUMMER AND WINTER AT STATION NORD
11:40-12:00	MONIKA DRAGOSICS (CF)	THE SOURCES AND INFLUENCE OF AEROSOLS IN THE ARCTIC ON GLACIER ENERGY BALANCE
12:00-12:20	TERJE BERNSTEN	IMPACTS OF FUTURE ARCTIC SHIPPING ON RADIATIVE FORCING AND GLOBAL TEMPERATURES

12:20-12:40	JÓN EGILL KRISTJÁNSSON	CRYOSPHERE CHANGES IN CLIMATE ENGINEERING SIMULATIONS
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- 12:40 - 13:30 Lunch
- 13:30 - 15:15 Short presentations by the WP-leaders (each WP-presentation should be 10 minutes for presenting and 5 minutes for discussion)
- 15:15 - 15:30 Introduction of the afternoon activity – the teams, the games and the rules will be announced and explained
- 15:30 - 16:00 Short break, refreshments
- 16:00 - 20:00 CRAICC international Volleyball-Tournament
- 18:00 - 22:00 Barbeque at the terrace of the hotel and award ceremony for the winners of the Volleyball-Tournament

23.08 Friday

7:00 - 8:30 Breakfast – check out

8:30 - 10:30 Scientific session F1, chairs Radovan Krejci and Meri Ruppel

	Presenter	Topic
08:30-08:50	ELHAM BARANIZADEH (CF)	THE EFFECT OF CLOUDINESS ON NEW PARTICLE FORMATION: INVESTIGATION OF RADIATION LEVELS
08:50-09:10	ANNE MARIA KALDAL HANSEN (CF)	IDENTIFICATION OF ORGANOSULFATES AND CARBOXYLIC ACIDS IN ARCTIC AEROSOLS
09:10-09:30	JONAS SVENSSON (CF)	LIGHT ABSORBING AEROSOL IN LIQUID DETECTED WITH THE SINGLE PARTICLE SOOT PHOTOMETER
09:30-09:50	MARYAM DALIRIAN (CF)	STUDY ON THE CCN ACTIVATION AND STRUCTURE OF SOLUBLE, INSOLUBLE AND MIXED PARTICLES
09:50-10:10	ERIK THOMSON (CF)	TRENDS IN CRITICAL ICE SUPERSATURATION FOR DEPOSITION NUCLEATION
10:10-10:30	JAANA BÄCK	SEASONALITY IN BIOGENIC VOC EMISSION PATTERNS IN BOREAL FOREST

10:30 - 11:00 Short break, refreshments

11:00 - 13:00 Scientific session F2, chairs Terje Berntsen and Maryam Dalirian

	Presenter	Topic
11:00-11:20	BLAIZE DENFELD (CF)	LOCAL SCALE UNDER ICE CO ₂ AND CH ₄ PROCESSES IN BOREAL LAKES
11:20-11:40	MATTI LEPPÄRANTA	MODELLING THE LAKE ICE SEASON
11:40-12:00	MATHEW SALTER (CF)	ON THE TEMPERATURE DEPENDENCE OF SEA SPRAY AEROSOL GENERATED USING A LABORATORY PLUNGING JET
12:00-12:20	IKUMI OYABU (CF)	SOLUBLE AEROSOLS COMPOSITIONS RECONSTRUCTED FROM NEEM (GREENLAND) DEEP ICE CORE
12:20-12:40	MERI RUPPEL (CF)	COMPARISON OF SPHEROIDAL CARBONACEOUS PARTICLE (SCP) DATA WITH

		MODELLED ATMOSPHERIC BLACK CARBON CONCENTRATION AND DEPOSITION, AND AIR MASS SOURCES IN NORTHERN EUROPE, 1850-2010
12:40-13:00	KEYAN FANG (CF)	HOW ROBUST ARE HOLOCENE TREELINE SIMULATIONS? A MODEL-DATA COMPARISON IN THE EUROPEAN ARCTIC TREELINE REGION

13.00 - 13:10 Closing of the conference

13.10 - 14:00 Lunch

14:00 End of the 3. CRAICC annual meeting

Note: CF = CRAICC fellow

POSTER PRESENTATIONS

Surname	First name	Poster title
Alekseychik	Pavel	Examining heterogeneity in the wetland-atmosphere flux sources
Björkman	Mats	Nitrate dynamics in the Arctic winter snowpack
Dagsson Waldhauserova	Pavla	Atmospheric dust measurement in Iceland (ADMI 2013)
de Leeuw	Gerrit	About satellite results related to CRAICC-activity in WP2
Ekman	Annica	Ice formation in an observed Arctic mixed-phase cloud: evaluation of heterogeneous freezing parameterizations in a large-eddy simulation model
Gallet	Jean-Charles	Effect of black carbon on the snow albedo in North East China
Hermansson	Emilie	Modelling biogenic secondary organic aerosol formation in the Subarctic
Hong	Juan	Hygroscopic, CCN and volatility properties of submicron atmospheric aerosol in a boreal forest environment during the summer of 2010
Hudson	Stephen	Energy budget of first-year Arctic sea ice in advanced stages of melt
Jensen	Mads	Analysis of inorganic ions, carboxylic acids and organosulfates on Aarhus University campus - highlights from winter 2012
Kasurinen	Ville	Modeling latent heat flux in boreal and arctic biomes
Kong	Xiangrui	Desorption and incorporation kinetics of D2O in a precursor state on ice between 170-200 K
Kristensen	Kasper	Distribution of organic acids and organosulfates in SOA in Nordic regions during summer 2009
Kristensson	Adam	Measuring the contribution of ship transport to particle number and volume concentrations
Kyrö	Ella-Maria	Long-term aerosol and trace gas measurements in Eastern Lapland, Finland: the impact of Kola air pollution to new particle formation and potential CCN
Makkonen	Risto	Simulations of secondary aerosol formation in a changing environment
Massling	Andreas	Physical parameters of arctic aerosols
Meinander	Outi	Snow reflectance affected by soot, volcanic sand, and glaciogenic silt deposited on snow (SOS-2013 experiment)

Mogensen	Ditte	Gas phase atmospheric chemistry during the HUMPPA-COPEC-10 campaign
Nguyen	Quynh Thu	Characterization of humic-like substances in Arctic aerosols
Nikandrova	Anna	Climate feedbacks linking atmospheric CO ₂ concentration, BVOC emissions and aerosols in forest ecosystems derived from satellite data
Ortega Colomer	Ismael Kenneth	The role of highly oxidized organics in new particle formation
Paramonov	Mikhail	Long-term size-segregated cloud condensation nuclei counter (CCNc) measurements in a boreal environment and the implications for aerosol-cloud interactions
Peräkylä	Otso	Oxidation capacity of monoterpenes over a boreal forest: temporal variation and connection to new particle formation events
Pietikäinen	Joni-Pekka	Mitigation of Arctic warming by controlling European black carbon emissions (MACEB): the Arctic black carbon
Rantala	Pekka	VOC measurements with PTR-MS at urban site in Helsinki
Ruppel	Meri	Elemental carbon concentrations and deposition 1700-2004 ad in an ice core from Svalbard
Sand	Maria	Modeling of high latitude forcing and climate impact of short-lived climate forcers
Skibsted Jensen	Christine	Model study of the importance of Criegee radical chemistry for sulfuric acid formation in the atmosphere
Stohl	Andreas	An evaluation of 21 different sea spray aerosol source functions using a large global sea salt aerosol data set
Sørensen	Lise Lotte	GHG exchange and the carbon cycle in an Arctic coastal area
Varma	Vidya	Aerosol emission reductions over the 20th and 21st century and their impact on polar climate
Virkkula	Aki	Overview of the soot-on-snow experiments in 2011 - 2013
Vogt	Matthias	Surfaces for dew collection
Wittbom	Cerina	Ageing soot as cloud condensation nuclei
Zare	Azimeh	Modeling the impact of climate change on ozone and PM _{2.5} concentrations in the arctic