

## Programme

<b>TUESDAY 17 May, 2016</b>	
<b>09:00-18:00</b>	<b>REGISTRATION</b>
<b>WEDNESDAY 18 May, 2016</b>	
<b>08:00-09:00</b>	<b>REGISTRATION</b>
<b>09:00-10:00</b>	<b>OPENING CEREMONY</b> Chair: Ms. Jie Liu, RADI, China Dr. Joni Kujansuu, Univ. Helsinki, Finland
09:00-09:10	Performance of Dance
09:10-09:20	Welcoming Remarks given by Prof. Huadong Guo, RADI, China
09:20-09:30	Remarks given by Dr. William Paton, IRDR, Canada
09:30-09:30	Remarks given by Prof. Sergej Zilitinkevich; Finnish Met. Inst, Finland
09:30-09:40	Remarks given by Dr. Sergey Chalov, Moscow State Univ., Russia
09:40-10:00	Aims of the Conference given by Prof. Markku Kulmala, Univ. Helsinki, Finland
<b>10:00-10:30</b>	<b>GROUP PHOTO &amp; COFFEE BREAK</b>
<b>10:30-12:00</b>	<b>PLENARY SESSION I</b> <b>Co-Chair:</b> Prof. Tuukka Petäjä, Univ. Helsinki, Finland Prof. Jiahua Zhang, RADI, China
10:30-11:00	Air quality - climate interactions and feedbacks, Prof. Markku Kulmala, Univ. Helsinki, Finland
11:00-11:20	Seamless coupled meteorology-composition modeling: historical overview and future research needs, Prof. Alexander Baklanov, WMO, Switzerland
11:20-11:40	Towards further understanding of the impact of land use and cover change on regional climate in Monsoon Asia, Prof. Congbin Fu, Univ. Nanjing, China

11:40-12:00	Eurasian great lakes: diagnosis and prediction of the water level fluctuations under climate changes and anthropogenic impacts, Prof. Nikolay Filatov, Northern Water Problems Inst., Russia
<b>12:00-13:30</b>	<b>LUNCH</b>
<b>13:30- 15:00</b>	<b>GLOBAL SCALE – FEEDBACKS – INTERACTIONS</b> <b>Co-Chair:</b> Prof. Alexander Baklanov, WMO, Switzerland Prof. Jiahua Zhang, RADII, China
13:30-13:45	Cognitive chaos: turbulence and planetary boundary layers in Earth systems, Prof. Sergej Zilitinkevich, Finnish Met. Inst., Finland
13:45-14:00	Toward global picture of atmospheric new particle formation based on observations, Prof. Veli-Matti Kerminen, Univ. Helsinki, Finland
14:00-14:15	Feedback of aerosol pollution to atmospheric chemistry in Eastern China, Dr. Wei Nie, Univ. Nanjing, China
14:15-14:30	Environmental and climatic changes in the northern hemisphere and international ecological co-operation, Prof. Gennady Matishov, Southern Scientific Center, Russia
14:30-14:45	Terrestrial ecosystem climate feedbacks in boreal and tropical forests, Prof. Jaana Bäck, Univ. Helsinki, Finland
14:45-15:00	Biogenic Aerosols – Effects on Clouds and Climate (BAECC) study as an example for scientific integration, Prof. Tuukka Petäjä, Univ. Helsinki, Finland
<b>15:00-15:30</b>	<b>COFFEE BREAK</b>
<b>15:30-17:30</b>	<b>FROM AIR QUALITY TO PERSONAL WEATHER</b> <b>Chair:</b> Prof. Aijun Ding, Univ. Nanjing, China
15:30-15:45	The characteristics of vertical distribution and regional transport of PM <sub>2.5</sub> within the lower troposphere during high pollution episode winter of 2015 in Shanghai, China based on tethered balloon, Dr. Qingyan Fu, Shanghai Environmental Monitoring Center, China
15:45-16:00	Monitoring and assessment of regional air quality in China using space observations (MARCO POLO), Prof. Ronald van der A, KNMI, Netherlands
16:00-16:15	Impact of accurate description of land use type and vegetation on simulation of the East Asian monsoon precipitation, Dr. Weidong Guo, Univ. Nanjing, China

16:15-16:30	Potential impact of pollution on clouds and precipitation over China, Prof. Olaf Kruger, Univ. Helsinki, Finland
16:30-16:45	Remote sensing of aerosol optical, microphysical and chemical properties based on sun-sky radiometer measurements over polluted cities, Prof. Zhengqiang Li, RADI, China
<b>16:45-17:00</b>	<b>SHORT BREAK</b>
<b>17:00-18:00</b>	<b>I - CRAICC-PEEX SPECIAL WS SESSION: TURBULENT EXCHANGE ACROSS STRONGLY HETEROGENEOUS INTERFACE (FRACTURED ICE, SUMMER TUNDRA, ARCTIC COASTAL &amp; URBAN AREAS)</b> <b>Co-Chair:</b> Prof. Timo Vesala, Univ. Helsinki, Finland Prof. Sergej Zilitinkevich, Finnish Met. Inst., Finland
17:00-17:20	Effects of land surface heterogeneities on convective boundary layers. What did we learn from large-eddy simulation so far?, Prof. Siegfried Raasche, Inst. of Meteorology and Climatology, Germany
17:20-17:35	Numerical modelling of lake-atmosphere continuum in forested landscapes, Dr. Victor Stepanenko, Moscow State Univ., Russia
17:35-17:50	Long term effects of fire on northern greenhouse gas exchanges in Northern Forests, Dr. Frank Berninger, Univ. Helsinki, Finland
17:50-18:05	The effect of surface cover and climate conditions on the surface energy and water balance in cold climate cities, Dr. Leena Järvi, Univ. Helsinki, Finland
<b>18:30</b>	<b>WELCOME RECEPTION</b>

## THURSDAY 19 May, 2016

<b>09:00-10:00</b>	<b>PLENARY SESSION II</b> <b>Chair:</b> Prof. Sergej Zilitinkevich, Finnish Met. Inst., Finland
09:00-09:20	Satellite monitoring of trace gas and aerosol emissions into the atmosphere of Northern Eurasia, Prof. Valery G. Bondur, AEROCOSMOS, Russia
09:20-09:40	Spaceborne Earth observing technologies for environmental monitoring in the Belt and Road region, Prof. Huadong Guo, RADI, China
09:40-10:00	Geographic and geo-economic factors of long-term development of Pacific Russia, Prof. Petr Ya. Baklanov, Pacific Inst. of Geography, Russia

10:00-10:30	<b>COFFEE BREAK</b>
10:30-12:00	<b>BIG DATA &amp; RESEARCH INFRAs &amp; OBSERVATION NETWORKS</b> Co-Chair: Prof. Gerrit De Leeuw, Finnish Met. Inst., Finland Prof. Yong Xue, RADI, China
10:30-10:45	High performance retrieval of FY3 global surface albedo, Prof. Yong Xue, RADI, China
10:45-11:00	Efficient remote sensing data storage and management based on parallel file system and NOSQL database, Prof. Jochen Garcke, Fraunhofer Institute for Algorithms and Scientific Computing SCAI, Germany
11:00-11:15	Integrated Carbon Observation System (ICOS) Research Infrastructure, Dr. Eija Juurola, ICOS-ERIC HQ, Finland
11:15-11:30	COOP+: Promoting the cooperation among international Research Infrastructures to address global environmental challenges, Dr. Ari Asmi, Univ. Helsinki, Finland
11:30-11:45	First year of research activities at Villum Research Station, Station Nord, North Greenland, Prof. Henrik Skov, Aarhus Univ., Denmark
11:45-12:00	Satellite remote sensing of aerosol and cloud properties over the PEEEX area, Prof. Gerrit De Leeuw, Finnish Met. Inst., Finland
12:00-13:30	<b>LUNCH</b> (PEEX Steering Group lunch meeting / Working Group lunch meetings)
13:30-15:00	<b>ARCTIC AND COLD REGIONS: OBSERVATIONS AND IMPACT</b> Chair: Dr. Bin Cheng, Finnish Met. Inst., Finland Dr. Yubao Qiu, RADI, China
13:30-13:45	Summer ice transformation in the Eurasian arctic seas in the 20th and 21st centuries, Dr. Leonid Bobylev, NIERSC, Russia
13:45-14:00	Satellite-based snow cover and climatology analysis over Center Asia and Xinjiang province, China, Ms. Lijuan Shi, RADI, China
14:00-14:15	Observed and modeled snow and ice thickness in Chukchi Sea with CHINARE 2014 data, Dr. Bin Cheng, Finnish Met. Inst., Finland
14:15-14:30	Three epochs of data on glacier changes on the Tibetan Plateau derived from Landsat imagery, from the 1970s to 2013, Dr. Qinghua Ye, Inst. of Tibetan Plateau Research, China

14:30-14:45	Spatio-temporal analysis of Greenland snowmelt using microwave radiometer data (1988-2014), Dr. Xingdong Wang, RADI, China
14:45-15:00	GEO Cold Region Initiative (GEOCRI), Dr. Yubao Qiu, RADI, China
15:00-15:15	<b>SHORT BREAK</b>
15:15-16:30	<b>LAND ECOSYSTEM &amp; ENVIRONMENT: OBSERVATION AND MODELING I</b> Co-Chair: Prof. Jaana Bäck, Univ. Helsinki, Finland Prof. Li Zhang, RADI, China
15:15-15:30	Dynamics of carbon, nitrogen and other climate relevant trace gases measured at SMEAR Estonia, Dr. Steffen Noe, Estonian Univ. of Life Sciences, Estonia
15:30-15:45	Ozone in the Western Yangtze river delta of China: A synthesis study based on ground, aircraft and sounding measurement, 2011-2015, Prof. Aijun Ding, Nanjing Univ., China
15:45-16:00	Complicate observations and multi-parameter land information constructions on allied telemetry experiment (COMPLICATE), Prof. Xin Tian, Inst. of Forest Resource Information Techniques, China
16:00-16:15	Boreal ecosystem biogeochemistry sifted through the catchment-resolving analysis, Dr. Alla Yurova, NIERSC, Russia
16:15-16:30	Simulation of forest carbon flux by model incorporation and assimilation, Dr. Min Yan, Inst. of Forest Resource Information Techniques, China
16:30-16:45	<b>SHORT BREAK</b>
16:45-18:00	<b>II - CRAICC-PEEX SPECIALL WS SESSION: ESTIMATING AND MONITORING ANTHROPOGENIC EMISSIONS AND THEIR IMPACTS IN THE ARCTIC BY USING REMOTE SENSING</b> Chair: Dr. Leonid Bobylev, NIERSC, Russia
16:45-17:00	New continuous aerosol and greenhouse gas measurements in Russian arctic ice base cape Baranova -station, Dr. Tuomas Laurila, Finnish Met. Inst., Finland
17:00-17:15	Modelling black carbon: from international climate law to impact on Arctic climate, Dr. Thomas Kuehn, Univ. of Eastern Finland, Finland
17:15-17:45	The emissions of biogenic greenhouse gases from arctic and north boreal soils due to the different types of anthropogenic land use at local and regional scales: prospects and dynamics, Dr. Dmitry Karelin, Inst. of Geography, Russia

17:45-18:00	Radiative forcing sensitivity to model bias in high latitude ozone profiles, Dr. Stephen Arnold, Univ. of Leeds; United Kingdom
<b>18:00-20:00</b>	<b>POSTER SESSION &amp; BUFFET RECEPTION</b> <b>Co-Chair:</b> Prof. Markku Kulmala, Univ. Helsinki, Finland Prof. Timo Vesala, Univ. Helsinki, Finland
19:00-20:00	“From Vertigo to Blue Velvet – Connotations between movies and climate change”, Prof. Timo Vesala, Univ. Helsinki, Finland

**FRIDAY 20 May, 2016**

<b>09:00-10:00</b>	<b>PLENARY SESSION III</b> <b>Chair:</b> Prof. Sergej Zilitinkevich, Finnish Met. Inst., Finland
09:00-09:30	Challenges for Stable Atmospheric Boundary Layers, Prof. Bert Holtslag, Wageningen Univ., Netherlands
09:30-10:00	Observation and simulation of polluted urban boundary layers in a changing climate, Prof. Robert Bornstein, San Jose State Univ., USA
<b>10:00-10:30</b>	<b>COFFEE BREAK</b>
<b>10:30-12:00</b>	<b>FROM SOCIETY TO KNOWLEDGE TRANSFER AND INTERNATIONAL COLLABORATION</b> <b>Co-Chair:</b> Dr. Taina Ruuskanen, Univ. Helsinki, Finland Dr. Joni Kujansuu, Univ. Helsinki, Finland
10:30-10:45	Russian climate policies and local reality, Prof. Veli-Pekka Tynkkynen, Univ. Helsinki, Finland
10:45-11:00	Adaptability indigenous arctic population by "urban heat island", Dr. Sergei Petrov, Tyumen Scientific Center, Russia
11:00-11:15	Variational modeling technology with data assimilation for environmental prediction and risk assessment, Dr. Alexey Penenko, Institute of Computational Mathematics and Mathematical Geophysics, Russia
11:15-11:30	Atmosphere-land-lake carbon cycle provides possibilities for economic studies, Dr. Jouni Heiskanen, Univ. Helsinki, Finland
11:30-11:45	Future Earth: co-designing global change research to respond to grand societal challenges, Dr. Tanja Suni, Univ. Helsinki, Finland

11:45-12:00	The atmospheric science paradigm and horizontal learning: experiences from short research-intensive courses, Dr. Antti Lauri, Univ. Helsinki, Finland
<b>12:00-13:30</b>	<b>LUNCH</b>
<b>13:30-15:00</b>	<b>LAND ECOSYSTEM &amp; ENVIRONMENT: OBSERVATION AND MODELING II</b> <b>Co-Chair:</b> Prof. Zhihai Gao, Inst. of Forest Resource Information Techniques, China Prof. Aleksander Baklanov, WMO, Switzerland
13:30-13:45	Satellite based drought and vegetation changes over semi-arid areas, Dr. Anzhi Zhang, IAP, China
13:45-14:00	Analysis of long-term carbon stocks in permafrost-dominated forest ecosystems of North-East Russia, Prof. Trofim Maximov, Inst. for Biological Problems of Cryolithozone, Russia
14:00-14:15	Land degradation assessment by coupling NPP and climate in Xilin Gol Legue, Inner Mongolia, China, Prof. Zhihai Gao, Inst. of Forest Resource Information Techniques, China
14:15-14:30	Hydroclimatic impacts on catchment-scale water cycle and metal and carbon fluxes in Selenga-Baikal river system, Dr. Sergey Chalov, Moscow State Univ., Russia
14:30-14:45	Online measurements of fluorescent aerosol particles at a polluted regional site in the North China Plain: insights into the potential impact of burning activities Dr. Hang Su, Max Planck Inst. for Chemistry, Germany
14:45-15:00	The importance of moisture recycling in China, Mr. Tolga Cömert, Delft Univ. of Technology, Netherlands
<b>15:00-15:30</b>	<b>COFFEE BREAK</b>
<b>15:00-16:30</b>	<b>III - CRAICC-PEEX SPECIAL WS SESSION: CLIMATOLOGY OF THE HIGH-LATITUDE PLANETARY BOUNDARY LAYER</b> <b>Chair:</b> Dr. Igor Esau, NERSC, Norway
15:00-15:15	Surface air temperature changes in the high-latitude boundary layer, Dr. Richard Davy, NERSC, Norway
15:15-15:30	Extra-tropical Ocean Warming and Winter Arctic Sea Ice Cover since the 1990s, Dr. Yongqi Gao, NERSC, Norway
15:30-15:45	Revisiting the drives of Northern Hemisphere winter surface air temperature variability during 1901-2010, Dr. Linling Chen, NERSC, Norway

15:45-16:00	Remote-sensing indicators of urban effects in the Arctic: Focus on northern West Siberia, Dr. Victoria V. Miles, NERSC, Norway
16:00-16:15	Breeze induced modification of the local circulation in a coastal mountainous valley, Mr. Tobias Wolf, NERSC, Norway
16:15-16:30	Surface urban heat islands in northern cities, Dr. Igor Esau, NERSC, Norway
<b>16:30-16:45</b>	<b>SHORT BREAK</b>
	<b>CLOSING CEREMONY</b>
<b>16:45-17:30</b>	<b>Co-Chair:</b> Prof. Markku Kulmala, Univ. Helsinki, Finland Prof. Huadong Guo, RADI, China
16:45-17:00	PEEX Program - Future prospects, Dr. Hanna Lappalainen, Univ. Helsinki, Finland
17:00-17:20	Concluding Remarks given by Prof. Markku Kulmala, Univ. Helsinki, Finland Prof. Valery G. Bondur, AEROCOSMOS, Russia Prof. Sergej Zilitinkewich, Finnish Met. Inst., Finland Prof. Alexander Baklanov, WMO, Switzerland Prof. Aijun Ding, Nanjing Univ, China Prof. Tuukka Petäjä, Univ. Helsinki, Finland
17:20-17:30	Closing Remarks given by Prof. Huadong Guo, RADI, China



## Poster Session

**Date:** 19 May, 2016 (Thursday)

**Time:** 18:00 – 19:00

**Location:** Conference Room 307

### IMPACTS, ADAPTATION AND MANAGEMENT

Poster No.	Full Name	Poster Title
1	Joni KUJANSUU	BEAUTIFUL CHINA – HOW TO TACKLE AIR POLLUTION
2	Outi MEINANDER	LIGHT ABSORBING PARTICLES AND DENSITY OF MELTING SURFACE SNOW
3	Alexey PANOV	SOIL CO <sub>2</sub> EFFLUX RATES AFTER WILDFIRES IN CENTRAL SIBERIAN ECOSYSTEMS
4	Zhongren PENG	PERFORMANCE EVALUATION OF LINE SOURCE DISPERSION MODELS FOR SHORT-TERM ESTIMATION AT ROAD INTERSECTION
5	Sergei PETROV	ADAPTOGENESIS OF OAT (AVENA SATIVA L.) TO OIL POLLUTION OF SOIL
6	Dmitry POZDNYAKOV	CONTEMPORARY TENDENCIES IN PRIMARY PRODUCTION DYNAMICS IN THE ARCTIC OCEAN UNDER CONDITIONS OF GLOBAL WARMING
7	Taina RUUSKANEN	MULTIDISCIPLINARY AIR QUALITY CAPACITY BUILDING
8	Aleksei SHCHERBININ	ATTRIBUTION OF CLIMATE IMPACTS TO ORGANIZATIONS: GAS AND OIL OPERATION IN THE ARCTIC

9	Xiaoqi YU	CLOUD REMOVING METHOD FOR DAILY SNOW MAPPING OVER CENTRAL ASIA AND XINJIANG, CHINA
10	Xiaodan AN	AEROSOL DETECTION ANALYSIS FROM SATELLITE DURING THE HARVEST SEASON OVER NORTH CHINA PLAIN
11	Yun BAI	ACCURACY OF RIVER NETWORK EXTRACTED FROM DIFFERENT DEM DATASET AND THE RELATIONSHIP WITH TERRAIN UNDULATION
12	Yongjian RUAN	PASSIVE MICROWAVE REMOTE SENSING OF LAKE FREEZE-THAW OVER EURASIA
13	Zhihui HAN	WARNING METHOD OF URBAN RAIL TRANSIT OPERATION SAFETY UNDER STRONG WIND

**OBSERVATIONS AND DATA MANAGEMENT/INFRASTRUCTURE**

Poster No.	Full Name	Poster Title
14	Pavel ALEKSEYCHIK	OVERVIEW OF THE GROUND-BASED STATION NETWORK IN THE PEEX REGION
15	Ksenia ATLASKINA	ANALYSIS OF AEROSOL PROPERTIES DYNAMICS IN RELATION TO THE AIR MASS TRANSPORT DURING BAEC CAMPAIGN
16	Natalia BELKINA	THE PROJECT “LAKE ONEGO AND ITS WATERSHED: GEOLOGICAL HISTORY, ANTHROPOGENIC TRANSFORMATION AND CURRENT STATE”, PRELIMINARY RESULTS
17	Magdalena BRUS	ENVRIPUS – ENVIRONMENTAL RESEARCH INFRASTRUCTURES PROVIDING SHARED SOLUTIONS FOR SCIENCE AND SOCIETY

18	David BRUS	OVERVIEW OF PALLAS CLOUD EXPERIMENT, PACE 2015
19	Xuguang CHI	ON THE INTERPRETATION OF THE LOADING CORRECTION OF THE AETHALOMETER
20	Otto CHKHETIANI	AEROSOL EMISSION IN THE ARID AND SEMI-ARID REGIONS OF SOUTHERN RUSSIA
21	Jonathan DUPLISSY	DEVELOPMENT OF AN ICE NUCLEATION CHAMBER TO STUDY ICE ABILITIES OF PARTICLES FROM NORTHERN EURASIA
22	Egor DYUKAREV	EVALUATION OF THE VEGETATION STRUCTURE AND ABOVEGROUND NET PRODUCTION OF WETLAND ECOSYSTEMS USING SATELLITE DATA
23	Hannele HAKOLA	HIGH SESQUITERPENE EMISSIONS FROM NORWAY SPRUCE IN SUMMER
24	Juan HONG	RETRIEVE THE ORGANIC VOLATILITY DISTRIBUTION OF SUBMICRON AEROSOLS IN A BOREAL FOREST ENVIRONMENT USING A KINETIC EVAPORATION MODEL
25	Marjut KAUKOLEHTO	TOWARDS GLOBAL SMEAR NETWORK TO PROVIDE COMPREHENSIVE DATA FOR KNOWLEDGE BASED DECISIONS
26	Elena KHARYUTKINA	CLIMATE VARIABILITY OVER THE TERRITORY OF WEST SIBERIA
27	Maxim KISELEV	TEMPERATURE REGIME OF OLIGOTROPHIC AND EUTROPHIC MIRES AT SOUTH OF WEST SIBERIA
28	Pavel KONSTANTINOV	URBAN HEAT ISLAND'S RESEARCH IN EX-USSR REGION. METHODOLOGY AND FIRST RESULTS

29	Hanna MANNINEN	ONSET OF NEW PARTICLE FORMATION WITHIN A RISING MIXED BOUNDARY LAYER: ZEPPELIN FLIGHTS OVER HYYTIÄLÄ
30	Stephany MAZON	CLUSTER EVENTS IN A BOREAL FOREST: COMPARING NIGHT-TIME WITH DAY-TIME ION CLUSTERS FROM 2003–2013
31	Anna NIKANDROVA	COMBINING AIRBORNE AND LIDAR MEASUREMENTS FOR ATTRIBUTION OF AEROSOL LAYERS
32	Anne OJALA	INTEGRATED AQUATIC STUDIES BASED A CONTINUOUSLY OPERATED MEASURING PLATFORM: POSSIBILITIES AND CHALLENGES
33	Pauli PAASONEN	ANTHROPOGENIC PARTICLE NUMBER EMISSIONS AND THEIR SIZE DISTRIBUTIONS IN NORTHERN AND EASTERN EURASIA
34	Sergei PETROV	ASSESSMENT OF ANTHROPOGENIC CONTAMINATION IN GEOCRYOLOGICAL AREAS OF THE ARCTIC ZONE OF WESTERN SIBERIA
35	Anatoly PROKUSHKIN	DRIVERS OF TERRESTRIAL CARBON RELEASE TO RIVERS: CENTRAL SIBERIAN PLATEAU CASE STUDY
36	Irina REPINA	INTERCOMPARISON OF SURFACE HEAT TRANSFER IN THE ARCTIC FOR MULTIPLE REANALYSES, SATELLITE DATA AND FIELD OBSERVATIONS
37	Nina SARNELA	ARCTIC AEROSOLS AND PARTICLE FORMATION IN NORTHERN GREENLAND
38	Elena SHALINA	NEW SNOW DEPTH DISTRIBUTION OVER ARCTIC SEA ICE FROM HISTORICAL DATA

39	Zeeshan SHIRAZI	RELATIONSHIP BETWEEN INTER-ANNUAL WILDFIRE DENSITY AND ET/PET RATIO IN SOUTH CHINA
40	Andrey SKOROKHOD	REACTIVE GASES OVER CENTRAL SIBERIA: OBSERVATIONS AND BALANCE
41	Jonas SVENSSON	LIGHT-ABSORBING IMPURITIES IN SURFACE SNOW FROM SODANKYLÄ,,, SUBARCTIC FINLAND 2009-2015
42	Aki VIRKKULA	VARIATIONS OF AEROSOL OPTICAL PROPERTIES DURING A POLLUTED WINTER PERIOD IN NANJING, CHINA
43	Nadezhda VOROPAY	DYNAMICS OF ARIDITY IN PREDBAIKALIE AT PRESENT CLIMATE CHANGES
44	Kai WANG	TWO-YEAR COMPARISON OF METHANE FLUX MEASUREMENTS USING STATIC CHAMBER AND EDDY COVARIANCE TECHNIQUES ON AN ALPINE WETLAND ON THE QINGHAI-TIBETAN PLATUAU
45	Xinfeng WANG	EMISSIONS OF NITRATED PHENOLS IN FINE PARTICLES FROM BIOMASS BURNING
46	Tonghua WU	OBSERVED NON-UNIFORM WARMING ON THE QINGHAI-TIBETAN AND MONGOLIAN PLATEAU FROM 1961 TO 2013
47	Xingdong WANG	SPATIO-TEMPORAL ANALYSIS OF GREENLAND SNOWMELT USING MICROWAVE RADIOMETRIER DATA (1988-2014)
48	Zheng XU	NITROUS ACID IN A POLLUTED SUBTROPICAL ATMOSPHERE: SEASONAL VARIABILITY, DIRECT VEHICLE EMISSIONS AND HETEROGENEOUS PRODUCTION

49	Weixin XU	INVESTIGATION OF MACKENZIE RIVER DISCHARGE AND NDVI RELATIONSHIP
50	Chao YAN	POSITIVE MATRIX FACTORIZATION ON CI-API-TOF SPECTRA – TOWARD THE UNDERSTANDING OF FORMATION MECHANISMS OF HIGHLY OXIDIZED MULTIFUNCTIONAL COMPOUNDS IN A BOREAL FOREST ENVIRONMENT
51	Tumen CHIMITDORZHIEV	A COMPARISON OF ALOS PALSAR INTERFEROMETRY AND FIELD GEODETIC LEVELING FOR MARSHY SOIL THAW/FREEZE MONITORING
52	Leonid GOLUBYATNIKOV	PRELIMINARY ESTIMATE OF METHANE EMISSION DURING ICE THAW FROM SOUTHERN TUNDRA LAKES IN WESTERN SIBERIA
53	Yuqin LIU	A STUDY OF CHARACTERISTICS OF WATER CLOUDS OVER HYYTIÄLÄ BASED ON CLOUDSAT/CALIPSO DATA
54	Xiaojing SHEN	PARTICLE CLIMATOLOGY IN CENTRAL EAST CHINA RETRIEVED FROM MEASUREMENTS IN PLANETARY BOUNDARY LAYER AND IN FREE TROPOSPHERE AT A 1500-M-HIGH MOUNTAINTOP SITE
55	Anastasiya TIMOKHINA	THE ISOTOPIC COMPOSITION OF ATMOSPHERIC CO <sub>2</sub> AND CH <sub>4</sub> OVER CENTRAL SIBERIA
56	Irina VITKOVSKAYA	SOME RESULTS OF SPACE MONITORING OF VEGETATION COVER OF KAZAKHSTAN ARID AND SEMI-ARID ZONES BY LONG TERM SERIES OF VEGETATION INDEXES
57	Tingting WU	CLOUD DETECTION BASED ON TEXTURE FEATURE AND SUPPORT VECTOR MACHINE

58	Guangli XIU	ATMOSPHERIC HULIS-CARBON IN PM2.5 AND PM1 IN SHANGHAI: IMPLICATION FOR HAZE POLLUTION
59	Likun XUE	PARTICULATE NITRATE AND SULFATE AT URBAN AND MOUNTAIN SITES IN THE NORTH CHINA PLAIN: DECADAL CHANGE FROM 2005-2015 AND FORMATION MECHANISMS
60	Jian GAO	THE CHARACTERISTICS AND SOURCES OF PARTICLE MATTERS IN HEAVY POLLUTION EPISODES IN NORTH CHINA
61	Natalia KHARLAMOVA	CLIMATE AS A FACTOR OF SUSTAINABLE DEVELOPMENT ALTAI-SAYAN MOUNTAIN COUNTRY
62	Amit KUMAR	GEOSPATIAL STRATEGY FOR ADVERSE IMPACT OF URBAN HEAT ISLAND VIA SURFACE TOPOGRAPHY USING LANDSAT ETM+ SENSORS
63	Vadim RAKITIN	TOTAL COLUMN OF CARBON MONOXIDE AND METHANE OVER EURASIA: LONG-TERM TRENDS, SEASONAL AND WEEKLY VARIATIONS ANALYSIS BASED ON GROUND-BASED AND SATELLITE SPECTROSCOPIC OBSERVATIONS
64	Yuqi TANG	AERODYNAMIC PARAMETERS ESTIMATION FOR A HIGH-RISE REGION OF SHANGHAI
65	Evgeny ZAROV	MICROLANDSCAPE STRUCTURE OF SOUTH TUNDRA LANDSCAPES BASED ON A FIELD SURVEY
66	Fanny MYLLÄRI	OBSERVATION OF NEW PARTICLE FORMATION IN FLUE GAS PLUME OF COAL-FIRED POWER PLANT
67	Xinyue ZHONG	SPATIONTEMPORAL VARIABILITY IN SNOW PHENOLIGY OVER EURASIAN CONTINENT DURING 1966-2012

PROCESSING / MODELING		
Poster No.	Full Name	Poster Title
68	Xiangyu AO	PRELIMINARY EVALUATION OF AN URBAN LAND SURFACE MODEL IN SHANGHAI
69	Rossana BOSSI	VOC MEASUREMENTS AT VILLUM RESEARCH STATION, NORTH GREENLAND, WITH PTR-TOF-MS
70	Xuemeng CHEN	ON THE IONISING CAPACITY IN THE LOWER ATMOSPHERE AND ITS CONNECTION TO AIR ION OBSERVATION
71	Xuemeng CHEN	APPLICATION OF THE AEROSOL DIFFUSION SPECTROMETER TO MEASURE ATMOSPHERIC NEW PARTICLE FORMATION
72	Natalia CHUBAROVA	A NEW PARAMETERIZATION OF THE UV IRRADIANCE ALTITUDE DEPENDENCE FOR CLEAR-SKY CONDITIONS AND ITS APPLICATION FOR THE UV INTERACTIVE TOOL
73	Inna GUBENKO	MATHEMATICAL SIMULATION OF THE PARAMETERS OF THE ATMOSPHERIC ELECTRIC FIELD DURING THUNDERSTORMS BASED ON THE CUMULONIMBUS ELECTRIZATION MODEL
74	Xin HUANG	COMPREHENSIVE MODELLING STUDY ON NEW PARTICLE FORMATION AT THE SORPES STATION IN NANJING
75	Lasse JOHANSSON	DEVELOPMENT OF AIR QUALITY MODELLING SYSTEM IN LANGFANG BASED ON SENSOR MEASUREMENTS AND DATA FUSION



76	Alexander KISLOV	URBAN AMPLIFICATION OF THE GLOBAL WARMING: DIAGNOSTIC, MODELLING, FORECASTING
77	Jenni KONTKANEN	A SIMPLE PROXY FOR THE CONCENTRATIONS OF MONOTERPENES AND THEIR OXIDATION PRODUCTS IN BOREAL FOREST
78	Zhijun LI	SPATIAL AND TEMPORAL DISTRIBUTIONS OF DISSOLVED OXYGEN UNDER ICE IN LAKE VALKEA-KOTINEN, FINLAND
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101	Yuntao WANG	VARIABILITY IN ESTUARINE SALINITY AND INUNDATION WITH CHANGING CLIMATE
102	Huiling YUAN	ASSESSMENT AND HYDROLOGIC APPLICATIONS OF THE LATEST SATELLITE-GAUGE PRECIPITATION ESTIMATES OVER THE HUIHE RIVER BASIN

### OTHER RELATED THEMES

Poster No.	Full Name	Poster Title
103	Fang CHEN	ASSESSING NITROGEN DIOXIDE FROM BIOMASS BURNING IN SOUTH AND SOUTHEAST ASIA
104	Li ZHANG	ASSESSING THE CARBON AND WATER FLUXES IN GLOBAL RANGELANDS
105	Sha ZHANG	ANALYSIS ON CORRELATION BETWEEN NPP OF DIFFERENT VEGETATION TYPE AND AIR TEMPERATURE, PRECIPITATION LAI AND NDVI IN EAST ASIAN MONSOON REGION: A CASE IN HEBEI PROVINCE