Poster presentations, Monday 10th of Nov, 17:30 at FMI:

RP1 Mon, Downstairs:

Alexander Buzacott, Effect of changing surface albedo on radiative forcing from afforestation of a cutaway peatland

Esko Karvinen, Forest model in the city – On applying PREBAS in urban forests and parks

Ivan Mammarella, Long term flux measurements of carbon dioxide and methane over a small boreal lake using eddy covariance technique

Jesse Soininen, Eddy Covariance Fluxes of Carbonyl Sulfide Measured in a Tall Tower in Zürich, Switzerland

Juha Leskinen, Modelling urban green spaces with land ecosystem model JSBACH 3

Kira Ryhti-Laine, Assessing soil moisture using cosmic-ray neutrons in northern and southern Finland at SMEAR I and II stations

Manuel Bettineschi, Improved isoprene emission estimates from MEGAN and comprehensive modeling of BVOCs driven aerosol dynamics in the boreal forests.

Omobola Eko, Co-Location and Scientific Collaboration Among Environmental Research Infrastructures: A Comparative Study of Hyytiälä Smear II and Castelporziano Stations

Outi Kurri, Modelling CO2 production rates in forest soil with stable isotope ratios

Santeri Tuovinen, Variation of air ion concentrations near-ground

Valter Mickwitz, Factor analysis of long term NO3 Chemical Ionization Mass Spectrometer (CIMS) dataset from Tvärminne coastal station

Veera Vasenkari, A machine-learning emulator of the land surface model JSBACH for high-resolution urban biogenic CO2 fluxes

RP2 Mon, upstairs:

Aarni Vaittinen, Two previously unidentified new particle formation pathways observed in Ny-Ålesund

Aino Koskinen, The Effect of Substituents on the Unimolecular Reaction Rates of Criegee Intermediates

Aki Nissinen, Non-ideal mixing and oligomerization affecting organic aerosol volatility: case study on levoglucosan

Alexander Mahura, Enviro-HIRLAM Research, Development, and Application

Benjamin Foreback, Research Activities at the Atmospheric Modelling Centre Lahti

Celestine Oliewo, Investigating Air Ions During Summer New Particle Formation Events In Bologna

Chengfeng Liu, Multi-year Molecular-level characterization of low volatility vapors in a boreal forest

Eleonora Favaro, Not so pristine: airborne benzothiazoles and organophosphate flame retardants in an alpine background site under anthropogenic stress

Elli Suhonen, Recent changes in the Kola metal industry airborne emissions - Trend analysis on relevant air pollutants

Heidi Hellén, The role of anthropogenic terpenes in urban air in Helsinki, Finland; insight from wintertime measurements

Hilkka Timonen, Atmospheric Nano- and Microplastics: New Projects Provide Insights into Abundance, Sources, Measurement Methods, and Toxicology

Ida Karppinen, Acetyl peroxy radical–initiated oxidation of oxygenated monoterpenes: functional group effects on reaction pathways

Jukka-Pekka Keskinen, Measurements for atmospheric concentrations of PFAS at the waterfall at Vanhankaupunginkoski, Helsinki

Mykhailo Savenets, Studying indirect aerosol effects during heavy rain episodes in midlatitude deep cyclone synoptic conditions

Sami Romakkaniemi, From particles to precipitation: Exploring cloud feedbacks with large-eddy model

Samuel Chua, Estimating Arctic new particle formation from satellite data

Toni Tykkä, Contribution of outdoor air pollution to indoor air VOCs

Ville Vakkari, 15 years of atmospheric measurements at Welgegund

Yang Liu, Seasonal Shifts in Isoprene and First-Generation Products over a Semi-Arid African Savanna

Zhang Haitong, Quantifying Residential Wood Combustion Emissions in Lahti, Finland: Local Emissions Processing and Modelling Insights

RP3 Mon, downstairs:

Clément Bouvier, Upper-troposphere effect on extra-tropical cyclones' intensity

Daniel Köhler, Response of the Northern Hemisphere circulation to future changes in sea surface temperature and sea ice cover

Eeva Kuntsi-Reunanen, Approaches in Economic Evanulation of Climate Change Impacts

Katja Anniina Lauri, INAR Education for a Brighter Future

Laura Utriainen, A Conceptual Framework for Event-oriented Dynamical Downscaling With Pseudo Global Warming Method

Meri Virman, Future projections of thunderstorms and challenges in communicating results to end users

Mikko Laapas, Utilizing dense network of urban measurements for spatial interpolation in Helsinki, Tampere, and Rovaniemi

Noora Rämö, Restoring ecosystem services of Northern post forestry peatlands: RESULTS OF A SYSTEMATIC REVIEW

Oskari Rantala, Future predictability of hazardous weather in Europe

Samuel Haverinen, Spring turnover period dominates annual CH_4 and CO_2 balances in the pelagic zone of subarctic lakes

Sándor István Mahó, Future Predictability of Hazardous Weather in Europe

Terhi Rasilo, Steps Towards eLTER ERIC

Other Mon, upstairs:

Beñat Olascoaga, Assessing the amount of travelling-related emissions associated with the participants in the 2025 eLTER Science Conference (Tampere, Finland)

Hanna Lappalainen, CLUVEX and UnaVEx Virtual Exchanges as a Tool for Education of Young Generation

Liqing Hao Hao, Primary emissions and secondary formation of organic aerosol in open Boreal forest fire

Melissa Meder, Using chemical ionisation mass spectrometry to study a novel isomerisation reaction

Rebecca Ward, CH4DAS: Simultaneous optimisation of wetland CH4 processes and fluxes in a coupled data assimilation system

Sami Harni, Effects of outdoor concentrations and chemical composition on the concentration and composition of indoor aerosol

Syed Ashraful Alam, eLTER RI Cost Benefit Analysis.

Tareq Hussein, Quantifying Aerosols Loss and Source Rates with the Utilization of the Indoor Aerosol Model Concept without an Outdoor Aerosol Database

Yuanyuan Luo, Regional Variability of Biogenic VOC Emissions from European Coastal Macrophytes

Veera Bilaletdin, Effects of Biochar and Irrigation on Greenhouse Gas Exchange in Urban Green Areas

Poster presentations, Tuesday11th of Nov, 15:10 at FMI:

RP1 Tue, downstairs:

Aino Aarne, Clouds Effect on Boreal Forest Photosynthesis Using Machine Learning

Amanda Ojasalo, The influence of urbanization on vegetation phenology in European capital cities

Ekaterina Ezhova, On spatial scales of local aerosol formation in boreal environment

Hui Tang, Developing a novel process-based model (SPY-C) towards a scalable MRV tool

Marika Honkanen, Towards Satellite SIF Validation: SIF and Active Chlorophyll Fluorescence Measurements in Sodankylä, Finland

Myriam Agró, Ventilation and Low Pollution Enhancing New Particle Formation in Milan, Italy.

Qian Wang, Water balance of three plantations in hilly areas of South China

Sara Hyvärinen, Assessing the capability to monitor CO2 ja CH4 emission changes in Finland using Lagrangian atmospheric inverse modeling

Suvi Orttenvuori, Evaluating and improving the simulated peatland snow dynamics in JSBACH ecosystem model

Teemu Paljakka, Tree Water Status and 13C Labelled Carbon Translocation Under Water Stressed Norway Spruce Trees

RP2 Tue, upstairs:

Adeeb Ktaish, Long-Term Nucleation Mode Particle Number Concentration Prediction

Ali Kooh Andaz, Assessing the Role of Dual Noise Barriers in Traffic Emission Dispersion Using LES Simulation

Aliisa Ojala, Geminal diol pathway in cresol autoxidation as a source of secondary organic aerosol

Anna Kervinen, The atmospheric autoxidation process of pseudocumene

Anni Savolainen, The atmospheric autoxidation of mesitylene

Anniina Hoilijoki, A semi-mobile measurement unit for air quality observations including non-regulated and emerging pollutants

Arnaud P. Praplan, Total ozone reactivity measurements indicate unidentified biogenic emissions

Arundathi Chandrasekharan, Sensitivity analysis of Arctic aerosols in the chemistry transport model TM5 during the MOSAiC expedition

Eetu Naukkarinen, Feasibility of an inexpensive single-particle SIBS instrument

Eija Asmi, Ambient Black Carbon Mass Absorption Cross-Section (MAC) - A Review

Giselle Lujan Marincovich, Long-Range Transport Vs. Local Emissions: Quantifying Carbonaceous Aerosol Sources in South America and Antarctic

Janne Lampilahti, Calculating aerosol particle growth rates using cross-correlation

Kasper Juurikkala, Investigation of dusty cirrus cloud formation mechanism using large-eddy model

Maher Sahyoun, Urban Heat Island investigation over Copenhagen Metropolitan area with Enviro-HIRLAM

Omar Al-Jaghbeer, Evaluating and enhancing NGM and SUMO-HBEFA emission models with real-world traffic data

Oskari Kangasniemi, Modelling the Volatility and Atmospheric Evolution of Transport Related Emissions

Pinja Prauda, Secondary Aerosol Formation Potential of Asphalt Evaporates

Silja Häme, ACTRIS (Aerosol, Clouds and Trace Gases Research Infrastructure) – University of Helsinki Topical Centre Units

Steven Job Thomas, Formation and Characteristics of Atmospheric Aerosols in an Alaskan Boreal Forest

Tareq Hussein, Unfavorable Local Meteorological Conditions in the Vicinity of the Planned Nuclear Power Plant in Jordan

Ulla Makkonen, Comparison of ammonia measurement methods at rural and urban background sites in Finland

Xiang Li, Influence of air mass exposure to anthropogenic and biogenic emissions on particle properties in Helsinki

Zihao Fu, Autoxidation Mechanisms and Environmental Impacts of Volatile Chemical Products (VCPs)

RP3 Tue, downstairs:

Angela Buchholz, Changing Peatlands: effect on aerosol formation potential

Antti Mäkelä, Use of impact data when preparing for future extreme windstorm impacts

Diana Pereira, Assessing the impact of permafrost thaw emissions from Arctic regions

Gonzalo de Quesada, Thinning Forests: How Management Influences Carbon Balance of an Upland and Drained Peatland Forest

Hilppa Gregow, Extending Previous Storm Impact Research to Support Development of Climate Resilience

Juha-Pekka Puska, ClimAirPathways: ML Based Modeling of Urban Air Quality from Climate Model Outputs

Laura Thölix, AMOC impacts on European forestry and agriculture

Natalia Korhonen, Real-time city weather monitoring in Helsinki, Tampere, and Rovaniemi

Nina Kumpulainen, Does restoration of forestry drained peatlands recover the spatial variation typical for pristine peatlands?

Olivia Kuuri-Riutta, Drying shapes testate amoeba communities through functional traits

Otto Hyvärinen, Seasonal climate forecasts for crop breeding in the Nordic and Baltic region

Tero Mielonen, Is the impact of biogenic SOA on clouds visible from space?

Thomas Kühn, Measurement networks for real-time monitoring og micro-climatic parameters in three Finnish cities

Tuukka Oikarinen, Perceived climate engagement and gendered patterns in Finland

Other Tue, upstairs:

Allan Souza, Unlocking legacy data for eLTER: insights into data resources and community practices

Anda Paegle, REOPEN - Next Generation Workforce - Empowering Young People for Improved Employment

Anna Murdoch, Experimental Setup for the Study of Nanoplastic Degradation in the Environment

Cecilia Righi, Insights from the first ACTRIS field intercomparison of Chemical Ionization Mass Spectrometers

Dina Alfaouri, An optimization of transmission measurement of an atmospheric pressure interface time-of-flight mass spectrometer (APi-ToF MS)

Gurmanjot Singh, Investigating marine aerosol variability: A multi-site analysis using particle composition and size distribution

Irfan Muhammed, Machine Learning Approach for Isolating Aerosol Effects on Cloud Droplet Number Concentration in Marine Stratocumulus Clouds

Jaakko Oivukkamäki, Innovation and integration in environmental research infrastructures: the cases of ENVRINNOV & IRISCC

Janne Nurmela, A Gussian Process Approach on Emission Quantification and Uncertainty Estimation From Satellite Observations Using Divergence Method

Jiangyi Zhang, Gas-phase peroxy radical and product formation from nitrate radical oxidation of five monoterpenes: Insights from a new free-jet flow-tube

Katrianne Lehtipalo, Do you know FAAR – the Finnish Association for Aerosol Research

Lauriane Quéléver, Long-term monitoring of New Particle Formation influencers in NyÅlesund leads to understanding novel nucleation pathways in the Arctic

Mathilde Rebiffé, Improving fire severity mapping for low-intensity surface fires in boreal forests using multi-scale remote sensing

Tommi Bergmann, Implementation of the Aerosol Module HAM-M7 Within OpenIFS: Evaluation of Surface Concentrations

Viet Le, Improving depolarization ratio measurements with CL61 ceilometers