



VIRTUAL WORKSHOP

INNOVATION IN ATMOSPHERIC MEASUREMENT TECHNIQUES

Agenda

Thursday, 8th June 2023

All times are in CEST (Central European)

Opening Session		
09:00	Workshop Introduction & Opening	Jean Sciare CARE-C, The Cyprus Institute
Session#1: International Initiatives and Opportunities (Chair: J. Sciare)		
09:10	ACTRIS ERIC and the next steps towards wider impacts	Tuukka Petäjä ACTRIS-ERIC
09:20	Status and future prospects of the WMO Greenhouse gas initiative	Alex Vermeulen ICOS-ERIC
09:30	Private sector opportunity to access the services of the leading Atmospheric Research Infrastructures in Europe	Léo Rivier LSCE
09:40	Harmonia Cost Action: International Network for Harmonisation of atmospheric aerosol retrievals from ground-based photometers	Stelios Kazadzis PMOD World Radiation Center
09:50	Measuring bases in sub-pptv mixing ratios – The BAE Project	Tuija Jokinen CARE-C, The Cyprus Institute
10:00	J-WADI – The Jordan Wind Erosion and Dust Investigation	Frederik Weis Palas GmbH
Coffee break		
Session#2: Reactive Gases & Air Quality (Chair: St. Sauvage)		
10:30	A new, compact user-friendly instrument for the measurement of atmospheric OH reactivity	Hendrik Fuchs Forschungszentrum Juelich
10:40	Development and validation of on-line auto-GC for the analysis of BVOCs and trace level OVOCs for laboratory and field measurements	Ahmad LAHIB Chromatotec
10:50	Cost-effective Air Quality sensors: Challenges and Advances	Spyros Bezantakos CARE-C, The Cyprus Institute
11:00	AEROMANCY: A context-aware Air Quality Forecasting model	Vladimir Kuzmanovski Vaisala
11:10	Lessons learned from highly resolved quasi-simultaneous formaldehyde measurements in suburban outdoor and indoor environments	Alexandre DEMBICKI Picarro Inc.
Session#3: Aerosols & Clouds – Part I (Chair: U. Bundke)		
11:20	PM-induced oxidative potential with particle chemical composition and sources: results from long-term measurements in Athens, Greece	Nikos Mihalopoulos University of Crete
11:30	Design, characterization and first atmospheric measurement using the Airmodus PSM 2.0	Joonas Vanhanen Airmodus Ltd
11:40	A new PM sampler with a built-in black carbon continuous carbon monitor - GIANO BC1	Lorenzo Caponi PM_TEN srl
11:50	Chemical characterization of atmospheric mineral dust by Raman Spectroscopy	Avinash Yadav University of Hertfordshire

12:00	Intensive profiling of Black Carbon over the city of Nicosia during a cold winter day	Maria Kezoudi CARE-C, The Cyprus Institute
Lunch break		
AFTERNOON		
Session#4: Aerosols & Clouds – Part II (Chair: G. Biskos)		
13:30	The Cloud Droplet Analyzer – In-situ cloud monitoring	Ziegler Volker Palas GmbH
13:40	Results from winter field collocations of the Aethlabs MA350 MicroAeth and AE33 rack mount Aethalometer in Lyon and Clermont-Ferrand, France	Drew Hill AethLabs
13:50	An autofluorescence Nephelometer	Darrel Baumgardner DMT
14:00	Light aircraft surveys of eDNA using a new high integrity capture system	Kimberly Metris Airborne Science LLC
14:10	First results from the ground-based fog and aerosol spectrometer	Dagen Hughes DMT
Session#5: Mass Spectrometry (Chair: T. Petäjä)		
14:20	Fast-SRI Fusion PTR-ToF 10K: Improved monitoring of VOC	Markus Leiminger Ionicon Analytik
14:30	Quantification of extractive electrospray ionization to determine monomer / dimer distributions in secondary organic aerosol	David Bell Paul Scherrer Institute
14:40	Laboratory characterization of SOA tracers from biogenic precursors using a Proton Transfer Reaction Mass Spectrometry couple to a Charon inlet	Maria Carolina Ramirez Romero , MPIC / IMT
14:50	Multiple reagent ions at once: New fast-switching chemical ionization mass spectrometer for OVOC and Inorganics	Leah Williams Aerodyne Research, Inc.
15:00	Quantification of atmospheric trace gases using filter-based thermal desorption multi-ion scheme chemical ionisation	HJ Jost Karsa ltd
Coffee break		
Session#6: Remote sensing & Meteorology – Part I (Chair: E. Saltikoff)		
15:30	PMEYE: A novel commercial LIDAR scanner for PM Pollution monitoring in Urban and Industrial environments	Vassilis Kostopoulos Raymetrics S.A.
15:40	Absolute humidity comparison between cellular microwave link measurements and Israeli meteorological service stations measurements in Jerusalem	Konstantin Romantsov Tel Aviv University
15:50	Profiling atmospheric fluorescence: A key for improving our knowledge on aerosols and their interactions with the environment	Qiaoyun Qiaoyun CNRS - Univ. of Lille - LOA
16:00	Possibilities of modern ceilometers	Minttu Tuononen Vaisala Oyj
16:10	A lidar depolarization calibration using a reference system	Alkistis Papetta CARE-C, The Cyprus Institute
16:20	Mobile automated photometry: A key for improving our knowledge on aerosols distribution over the oceans	Luc Blarel CNRS - Univ. of Lille - LOA
16:30	Aerosol and cloud monitoring by multi-wavelength Raman and Fluorescence LIDAR	María Soledad Fernández Carvelo , Univ. of Granada
End of the Innovation Workshop		

ORGANIZERS


This workshop is funded by the European Union's Horizon 2020 and Horizon Europe research and innovation programme under grant agreements 856612 and 101071247 and the Cyprus Government



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