

## 1<sup>st</sup> ACTRIS Science Conference, May 11-13, 2022

Each session include: 1 keynote (total 30 min) + 5 presentations (12 min + 3 min short questions) + 15 min discussion. Virtual poster sessions 1 and 2 include all poster presentations.

**Note: Times are Central European Time (CET)!**

Time	11 <sup>th</sup> May	12 <sup>th</sup> May	13 <sup>th</sup> May
09:00 – 11:00	Session 1 <i>Climate change</i>	Session 3 <i>ACTRIS science with other Environmental Ris</i>	Session 5 <i>Measurement technologies and innovation</i>
11:00 – 13:00	Break	Break	Break
13:00 – 15:00	Session 2 <i>Air quality</i>	Session 4 <i>Integrative ACTRIS science</i>	Session 6 <i>Results from exploratory platforms</i>
15:00 – 16:00	Poster Session 1	Poster Session 2	-----

### Scientific program

#### 11<sup>th</sup> May 2022

##### Session 1: Climate change

Chairs: Rainer Steinbrecher, Bart Dills

**09:00 - 09:30 Keynote by Ilona Riipinen:** Aerosol-cloud-climate feedbacks

09:30 - 09:45 Glantz et al.: Unmasking the effects of aerosols on warming over Europe

09:45 - 10:00 Ohneiser et al.: Impact of wildfire smoke on ozone depletion in the Arctic and over Antarctica

10:00 - 10:15 Hakala et al.: Importance of air mass history on the observed particle size distributions in the vicinity of strong spatial emission gradients

10:15 - 10:30 Bühl et al.: Optimizing Cloudnet for observation of global precipitation patterns

10:30 - 10:45 Ruppel et al.: Sources of elemental carbon in a 300-year Svalbard ice core based on organic compounds, trace elements, radiocarbon and atmospheric modelling

10:45 - 11:00 Discussion

## Session 2: Air quality

Chairs: Alfred Wiedensohler, Paolo Laj, Xavier Querol

**13:00 - 13:30 Keynote by Ioar Rivas:** From the lungs to the brain: impacts of air pollution on human health

13:30 - 13:45 Velay Lasry et al.: Implementation of an air quality modeling and prediction system for the city of Guadalajara including the installation of fixed and mobile micro-sensors on vehicles

13:45 - 14:00 Caville et al.: Measurements of ammonia in ambient air and over controlled artificial source region during the AMICA field campaign at a rural site in the Ile-de-France region

14:00 - 14:15 Kaskaoutis et al.: Effects of residential wood burning emissions on atmospheric chemistry and light absorption

14:15 - 14:30 Marmureanu et al.: Illegal waste burning pollution, effects on air quality in Romania

14:30 - 14:45 Mbengue et al.: Vertical profile of carbonaceous aerosols during winter and summer at European rural background site

14:45 - 15:00 Discussion

## Virtual poster session (15:00 - 16:00 CET)

Chairs: Stephany Mazon, Bart Dils

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**12<sup>th</sup> May 2022**

## Session 3: ACTRIS science with other Environmental Ris

Chairs: Paolo Laj, Tuukka Petäjä

**09:00 - 09:30 Keynote by Celine Degrendele:** Atmospheric fate of semi-volatile organic compounds

09:30 - 09:45 Martin et al.: Integrating Ireland's ACTRIS, ICOS and EMEP activities

09:45 - 10:00 Kulmala et al.: Integrating ACTRIS, ICOS and eLTER data to quantify CarbonSink+

10:00 - 10:15 Mona et al.: ACTRIS/EARLINET aerosol profiling activities toward the NRT evaluation of dust models

10:15 - 10:30 Meinander et al.: Black, organic and total carbon in snow and melting water in Pallas research supersite catchment (68°N)

10:30 - 10:45 Alastuey et al.: RI-URBANS and PAUL – Connecting ICOS and ACTRIS in the urban environments

10:45 - 11:00 Discussion

## Session 4: Integrative ACTRIS science

Chairs: Lucas Alados-Arboledas, Doina Nicolaeu

**13:00 - 13:30 Keynote by Urs Baltensperger:** Scientific insights from integrated ACTRIS data

13:30 - 13:45 Gargano et al.: Physical and remote access to ACTRIS services during the implementation phase: the development of ACTRIS catalogue

13:45 - 14:00 Vasilescu et al.: Aerosol type assessment using remote sensing and in situ techniques

14:00 - 14:15 Burgos-Cuevas et al.: Characterization of turbulence and thermodynamic stability in the atmospheric boundary-layer for air quality and network applications

14:15 - 14:30 Granados-Muñoz et al.: Multidisciplinary analysis of a severe African dust event in southern Spain

14:30 - 14:45 Nemuc et al.: Long-range transported smoke from Ukraine as seen in Bucharest by ACTRIS instruments

14:45 - 15:00 Discussion

## Virtual poster session (15:00 - 16:00 CET)

Chairs: Stephany Mazon, Bart Dils

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**13<sup>th</sup> May 2022**

## Session 5: Measurement technologies and innovation

Chairs: Katrianne Lehtipalo, Dmitri Moisseev

**09:00 - 09:30 Keynote by Juha Kangasluoma:** Recent technological developments in sub-10 nm aerosol measurements and in cluster mass spectrometry

09:30 - 09:45 Bachelier et al.: Development and validation of on-line and in-field auto-GC for the analysis of trace-level OVOC

09:45 - 10:00 Enroth et al.: Characterization and first field measurements of a new compact CPC

10:00 - 10:15 Renzi et al.: Investigation of the multiple scattering correction factor  $C_{ref}$  for aethalometer AE31 and AE33 and its dependency on aerosol properties, relative humidity and wavelength

10:15 - 10:30 Schimmel et al.: VOODOO: reVealing superCOoled liquid beyOnd lidar attenuatiOn from vertically-pointing cloud radar observations using artificial neural networks

10:30 - 10:45 Tsekeri et al.: WALL-E lidar: first measurements for orientation of rain and dust

10:45 - 11:00 Discussion

## Session 6: Results from exploratory platforms

Chairs: Anna Novelli, Juan Andrés Casquero-Vera

**13:00 - 13:30 Keynote by Gordon McFiggans:** A multi-purpose chamber as a tool for research, innovation and societal benefit

13:30 - 13:45 Radenz et al.: Disentangling the contributions of orographic waves, boundary-layer coupling, and aerosol to the occurrence of ice in the mixed phase clouds

13:45 - 14:00 Pang et al.: Investigation of the radical budget of limonene photo-oxidation at different NO levels in the SAPHIR Chamber

14:00 - 14:15 Jabłońska et al.: Pilot study of aerosol pollutants in the urban atmosphere of Warsaw (Poland) using ground-based remote sensing and a hot air balloon mobile research platform

14:15 - 14:30 Brunoldi et al.: Experimental investigation of airborne bacteria viability by an atmospheric simulation chamber

14:30 - 14:45 Popovici et al.: Current developments for remote sensing mobile observations

14:45 - 15:00 Discussion

## Poster sessions

### Climate Change

<b>R1P01</b>	<b>CLIMATE RELEVANT PROCESSING OF MINERAL DUST BY VOLATILE ORGANIC COMPOUNDS: COMPOSITION AND OPTICAL PROPERTIES OF COMPLEX DUST/ORGANIC SYSTEMS AS A FUNCTION OF AGEING</b> Battaglia, F., Formenti, P., Cazaunau, M., Michoud, V., Berge, A., Pangui, E., Noyalet, G., Chevaillier, S., Giorio, C., D'Aronco, S., Decorse, P., and Doussin, J.F.
<b>R1P02</b>	<b>GROUND BASED OBSERVATIONS OF LOW-LEVEL CLOUDS DURING PALLAS CLOUD EXPERIMENTS</b> Doulgeris, K.M., Vakkari, V., and Brus, D.
<b>R1P03</b>	<b>EXPLORING THE SPECTRAL OPTICAL PROPERTIES OF SOOT AEROSOLS AND THE IMPACT OF AGEING: A MECHANISTIC STUDY IN THE LARGE CESAM SIMULATION CHAMBER</b> Heuser, J., Di Biagio, C., Berge, A., Cazaunau, M., Chevaillier, S., Formenti, P., Gratien, A., Maille, M., Noyalet, G., Pangui, E., Picquet-Varrault, B., Zanatta, M., Decorse, P., Faccinetto, A., Laj, P., Marinoni, A., Massabo, D., Perruchot, C., Petitprez, D., Prati, P., Renzi, L., Yon, J., and Doussin, J.F.
<b>R1P04</b>	<b>PARAMETERIZATION OF ATMOSPHERIC ULTRAFINE AEROSOL FORMATION RATES IN TWO CONTRASTING ENVIRONMENTS: A BOREAL FOREST AND A MEGACITY</b> Li, X., Dada, D., Yan, C., Sarnela, N., Paasonen, P., Makkonen, R., Kulmala, M., and Nieminen, T.
<b>R1P05</b>	<b>STUDY OF AEROSOL NUMBER SIZE DISTRIBUTION AND NEW PARTICLE FORMATION EVENTS AT MONTE CIMONE GAW-WMO GLOBAL STATION (2165 M A.S.L.)</b> Mazzini, M., Lupi, A., Bonasoni, P., Orsini, D., Weinhold, K., and Marinoni, A.

<b>R1P06</b>	<b>USING MACHINE LEARNING TO ESTIMATE ACCUMULATION MODE PARTICLE CONCENTRATIONS BASED ON IN-SITU MEASUREMENTS AND RE-ANALYSIS DATA</b> Ovaska, A, Rauth, E., Holmberg, D., Bergmans, B., Collins, D., Ding, A., Franco, M. A., Gani, S., Hussein, T., Hyvärinen, A., Leaitch, R., Mihalopoulos, N., O Dowd, C., Sporre, M., Tunved, P., Ulevicius, V., Wiedensohler, A., Zdimal, V., Makkonen, R., Puolamäki, K., Nieminen, T., and Paasonen, P.
<b>R1P07</b>	<b>FIRST RESULTS OF POST-MONSOON CLOUD BASE HEIGHT MEASUREMENTS FROM CEILOMETER OVER DELHI-NCR, INDIA</b> Rathore, J., and Ganguly, D.
<b>R1P08</b>	<b>A SEVEN-YEARS BASED CHARACTERISATION OF AEROSOL LIGHT SCATTERING PROPERTIES AT CENTRAL EUROPEAN RURAL SITE: VARIABILITY AND SOURCE APPORTIONMENT</b> Suchánková, L., Mbengue, S., Zíková, N., Ondráček, J., Holubová, Smejkalová, A., Holoubek, I., Zdimal, V., and Prokes, R.
<b>R1P09</b>	<b>LINKING LONG-TERM AEROSOL CHEMICAL COMPOSITION AND OPTICAL PROPERTIES MEASURED AT THE ATOLL PLATFORM IN LILLE, NORTHERN FRANCE</b> Velazquez-Garcia, A., Crumeyrolle S., F. De Brito J., Tison E., Bourriane E., Chiapello I., and Riffault, V.

## Air Quality

<b>R1P10</b>	<b>THE ITALIAN AUTOMATED LIDAR-CEILOMETER NETWORK (ALICENET): ALGORITHMS, PRODUCTS AND APPLICATIONS</b> Bellini, A., Diemoz, H., Di Liberto, L., Gobbi, G. P., and Barnaba, F.
<b>R1P11</b>	<b>MONITORING OF EBC CONCENTRATIONS USING AETHALOMETER AT URBAN BACKGROUND SITE - TEMPORAL VARIATIONS AND POSSIBLE SOURCES</b> Blaszczak, B., and Klejnowski, K.
<b>R1P12</b>	<b>MONITORING OF ATMOSPHERIC POLLUTION IN SIERRA NEVADA NATIONAL / NATURAL PARK: SMART ECOMOUNTAINS LIFEWATCH-ERIC PROJECT</b> Castillo, S., Titos, G., Casquero-Vera, J.A., Rejano, F., Casans-Gabasa, A., Abril-Gago, J., Perez-Ramirez, D., Olmo, F.J. and Alados-Arboledas, L.
<b>R1P13</b>	<b>HIGH-RESOLUTION SUMMERTIME SOURCE APPORTIONMENT OF ORGANIC AEROSOLS AT MACE HEAD ATMOSPHERIC RESEARCH STATION</b> Chevassus, E., Ceburnis, D., Xu, W., Fossum, K., and Ovadnevaite, J.
<b>R1P14</b>	<b>NEW PARTICLE FORMATION OBSERVED IN THE CLOSE VICINITY OF A FRENCH MEGALOPOLE</b> Crumeyrolle S., Kontkanen J., Rose C., Bourriane E., Riffault V., Chiapello I., and Garcia Velasquez, A.
<b>R1P15</b>	<b>PARTICULATE MATTER CHARACTERIZATION IN A HOSPITAL PARKING WITH REAL-TIME MONITORING DEVICES</b> Garcia -Gonzalez, H., Domat, M., and Lopez-Pola, T.
<b>R1P16</b>	<b>NEW-PARTICLE FORMATION (NPF) IN THE MOST POLLUTED AREAS OF EUROPE</b> Gu, Y., Bianchi, F., Cai, J., Stolzenburg, D., and Holm, S.
<b>R1P17</b>	<b>INFLUENCE OF LOCAL WEATHER REGIMES ON ATMOSPHERIC COMPOSITION AT THE MOUNTAIN OBSERVATORY P20A IN A 5-YEAR DATA SET</b> Gueffier, J., Gheusi, F., Lothon, M. and Pont, V.

<b>R1P18</b>	<b>IDENTIFYING THE SOURCES OF PARTICLES IN A STREET CANYON BY APPLYING POSITIVE MATRIX FACTORIZATION TO THE NUMBER SIZE DISTRIBUTION DATA</b> Harni, S.D, Saarikoski, S., Aurela, M., Niemi, J.V., Kousa, A., Manninen, H., and Timonen, H.
<b>R1P19</b>	<b>A SPATIAL DISAGGREGATION TOOL FOR HIGH RESOLUTION EMISSIONS TOWARDS INTRA-URBAN AIR POLLUTION MODELLING</b> Kakouri, A., Athanasopoulou, E., Ramacher, M.O.P., Kuenen, J., and Gerasopoulos, E.
<b>R1P20</b>	<b>EMORAL LIDAR OBSERVATIONS OF WINTER SMOG EPISODES OVER KRAKOW</b> Karasewicz, M., Hafiz, A., Rykowska, Z., Mishra, P., Ugboma, E., Janicka, L., Fortuna, R., and Stachlewska, I. S.
<b>R1P21</b>	<b>EMISSIONS OF BIOGENIC VOCs FROM ACHANAKMAR-AMARKANTAK BIOSPHERE RESERVE (AABR) FOREST IN CENTRAL INDIA</b> Malik, T.
<b>R1P22</b>	<b>CHEMICAL COMPOSITION OF ANTHROPOGENIC SOA GENERATED ON SIMULATION CHAMBER EXPERIMENTS</b> Pereira, D.L, Gratien, A., Boudaoud, O., Mebold, E., Bertin, T., Berge, A., Cazaunau, M., Pangui, E., Giorio, C., Alhakk Moussa, E., Cantrell, C., Michoud, V., Gaimoz, C., Chevaillier, S., Feroni, A., Di Biagio, C., Noyalet, G., Picquet-Varrault, B., Doussin, J.F., and Formenti, P.
<b>R1P23</b>	<b>MONITORING AIR QUALITY MEASURING BLACK CARBON CONCENTRATION BY USING A DBAP5</b> Picca, F., Cascone, M., and D'Anna, A.
<b>R1P24</b>	<b>PRELIMINARY BROWNCARBON ESTIMATION THROUGH AAE ASSESSMENT USING A DBAP5</b> Picca, F., Cascone, M., and D'Anna, A.
<b>R1P25</b>	<b>INVESTIGATING THE CHARACTERISTICS AND SOURCES OF ORGANIC AEROSOL AT VARIOUS URBAN LOCATIONS</b> Saarikoski, S., Aurela, M., Niemi, J.V., Carbone, S., Rönkkö, T., and Timonen, H.
<b>R1P26</b>	<b>BOX MODELLING OF TROPOSPHERIC CHLORINE CHEMISTRY</b> Srouf, Z., Taamalli, S., Fevre-Nollet, V., Louis, F., and Marecal, V.
<b>R1P27</b>	<b>CONCENTRATIONS OF CARBONACEOUS AEROSOL AT THREE DIFFERENT BACKGROUND AREAS</b> Timonen, H., Friman, M., Aurela, M., Saarnio, K., Hyvärinen, A., and Saarikoski, S.
<b>R1P28</b>	<b>ONLINE LONG TERM OBSERVATIONS OF VOLATILE ORGANIC COMPOUNDS IN THE IBERIAN PENINSULA</b> Yáñez-Serrano, A.M., Seco, R., Filella, I., Llusia, J., Peñuelas, J., Portillo-Estrada, M., Perez, N., Veld, M., Via, M., Cannals, A., Querol, X., and Alastuey, A.

## ACTRIS Science with other Environmental RIs

<b>R2P01</b>	<b>FINNISH INTEGRATED ATMOSPHERIC AND EARTH SYSTEM RESEARCH INFRASTRUCTURE (INAR RI) - CONNECTING ACTRIS, ICOS, ELTER AND ANAEE</b> Häme, S.A.K., Petäjä, T., Lintunen, A., Bäck, J., Rasilo, T., Lohila, A., Kohonen, K-M., Hyvärinen, A., Juurola, E., Hakola, H., Korhonen, H., Dal Maso, M., Keskinen, J., Virtanen, A., Lehtinen, K., Virkki, S., Kolström, T., Paavola, R., Forsius, M., Suominen, O., Pursula, A., and Kulmala, M.
<b>R2P02</b>	<b>IMPLEMENTATION OF AEROSOL IN SITU FACILITY AT CIAO - CNR-IMAA ATMOSPHERIC OBSERVATORY</b> Laurita, T., Cardellicchio, F., Mauceri, A., Morrongiello, F., Trippetta, S., Amodio, D., Giunta, A., and Mona, L.

<b>R2P03</b>	<b>AEROSOL HYGROSCOPICITY MEASUREMENT IN MACE HEAD ATMOSPHERIC RESEARCH STATION</b> Xu, W., Fossum, K., Ovadnevaite, J., Ceburnis, D., and O'Dowd, C.
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## Measurement Technologies and Innovation

<b>R2P04</b>	<b>ACTRIS INTERCOMPARISON APPROACH FOR UVVIS INSTRUMENTS</b> Apituley, A., Van Roozendaal, M., Piters, A., Hendrick, F., Kreher, K., and De Maziere, M.
<b>R2P05</b>	<b>MEASUREMENTS OF DUST POLARIZED PHASE FUNCTIONS WITH THE POLARIZED IMAGING NEPHELOMETER</b> Bazo, E., Perez-Ramirez, D., Titos, G., Martins, J.V., Fuertes, D., Valenzuela, A., Alados-Arboledas, L., and Olmo, F.J.
<b>R2P06</b>	<b>HOW ARE LOW ALTITUDE LIDAR PRODUCTS AFFECTED BY THE TRIGGER DELAY</b> Belegante, L., Nicolae, V., Talianu, C., Pirloaga, R., Radu, C., Adam, M., and Nicolae, D.
<b>R2P07</b>	<b>REAL: A NEW LIDAR DEVICE COMBINING HIGH RESEARCH PERFORMANCE WITH USER FRIENDLINESS AND COMPACTNESS</b> Di Donfrancesco, G., Boselli, A., Di Guida, F., Passeggio, G., and Wang, X.
<b>R2P08</b>	<b>CALIBRATED MEASUREMENTS OF THE AEROSOL ABSORPTION COEFFICIENT FOR BARE AND COATED SOOT AND AMBIENT AEROSOLS AT MULTIPLE WAVELENGTHS USING PHOTO-THERMAL INTERFEROMETRY</b> Drinovec, L., Jagodi c, U., Pirker, L., Skarabot, M., Kurtjak, M., Vidovi c, K., Ferrero, L., Visser, B., Röhrbein, J., Weingartner, E., Kalbermatter, D. M., Vasilatou, K., Bühlmann, T., Pascale, C., Müller, T., Wiedensohler, A., and Mocnik, G.
<b>R2P09</b>	<b>IDENTIFICATION OF NEW PARTICLE FORMATION EVENTS WITH HIDDEN MARKOV MODELS</b> German, P.F., Eija, A., and Patricia, P.
<b>R2P10</b>	<b>THE NEW SET-UP OF THE BEAMLINE FOR ATMOSPHERIC AEROSOL STUDY AT ALABEC ACCELERATOR</b> Giardi, F., Nava, S., Calzolari, G., Pazzi, G., Ottanelli, P., Lucarelli, F., and Chiari, M.
<b>R2P11</b>	<b>TECHNICAL ASSESSMENT ON DATA QUALITY OF KRAKOWSMOG-CAMPAIGN 2022</b> Hafiz, A., Karasewicz, M., Mishra, P., Rykowska, Z., and Stachlewska, I. S.
<b>R2P12</b>	<b>INNOVATIVE CALIBRATION STRATEGIES FOR QUALITY ASSURANCE AND QUALITY CONTROL OF REACTIVE TRACE GAS ANALYZERS, WITHOUT THE NEED FOR PRIMARY STANDARDS</b> Hofmann, M.E.G., Bent, J., Lucic, G., and Van Zwieten, R.W.
<b>R2P13</b>	<b>CHARACTERISING THE SILVER PARTICLE GENERATOR: A PATHWAY TOWARDS STANDARDISING AEROSOL GENERATION</b> Irwin, M., Hammer, T., Swanson, J., Berger, V., Sonkamble, U., Boies, A., Schulz, H-J., and Vasilatou, K.
<b>R2P14</b>	<b>ADVANCED TOTAL CARBON-BLACK CARBON (TC-BC<sub>A</sub>) METHOD FOR HIGH-TIME RESOLUTION APPORTIONMENT OF PRIMARY AND SECONDARY CARBONACEOUS AEROSOLS</b> Ivancic, M., Gregori c, A., Lavric, G., Alfoldy, B., Jezek, I., Hasheminassab, S., Pakbin, P., Ahangar, F., Sowlat, M., Boddeker, S., and Rigler, M.
<b>R2P15</b>	<b>A NEW METHOD FOR ESTIMATING SPECTRAL ABSORPTIONS OF BLACK CARBON, BROWN CARBON AND SECONDARY ORGANIC CARBON FROM FOSSIL FUEL AND BIOMASS BURNING SOURCES</b> Kaskaoutis, D.G., Grivas, G., Stavroulas, I., Bougiatioti, A., Liakakou, E., Gerasopoulos, E., and Mihalopoulos, N.

<b>R2P16</b>	<b>A BIPOLAR CHEMICAL IONIZATION MASS SPECTROMETER FOR THE DETECTION OF AEROSOL PRECURSORS OF A WIDE VOLATILITY RANGE AND COMPOSITION</b> Leiminger, M., Reinecke, T., Müller, M., Fügenschuh, T., Jordan, A., and Märk, L.
<b>R2P17</b>	<b>THE ICAD NO<sub>2</sub> / NO<sub>x</sub> INSTRUMENT: CALIBRATION FREE IN-SITU MEASUREMENTS OF TRACE GASES FOR ATMOSPHERIC AND EMISSION STUDIES</b> Pöhler, D., Horbanski, M., Lampel, J., Schmitt, S., and Platt, U.
<b>R2P18</b>	<b>LIDAR INNOVATION : CE376 AND CE710 LIDARS FROM CIMEL</b> Popovici, I.E., Victori, S., Proniewski, L., Sanchez Barrero, M.F., Goloub, P., Hu, Q., Podvin, T., Dubois, G., Ducos, F., and Veselovskii, I.
<b>R2P19</b>	<b>QUANTIFYING ATMOSPHERIC DYNAMICS PREDICTIONS THROUGH ATMOSPHERIC LAMINAR CHANNELS</b> Rosu A.I., Voiculescu, M., Constantin, D., Rosu, A., Timofte, A., and Cazacu, M.M.
<b>R2P20</b>	<b>POLLEN OBSERVATIONS WITH LIDARS DURING THE ACTRIS-COVID-19 CAMPAIGN</b> Shang, X., Baars, H., Stachlewska, I.S., Mattis, I., and Kompula, M.
<b>R2P21</b>	<b>COMPARISON OF TWO ION SPECTROMETERS MEASURING IN THE BOREAL FOREST</b> Sulo, J., Lampilahti, J., Kontkanen, J., Petäjä, T., Kulmala, M., and Lehtipalo, K.
<b>R2P22</b>	<b>USING ARTIFICIAL NEURAL NETWORKS TO PREDICT RIMING FROM DOPPLER CLOUD RADAR OBSERVATIONS</b> Vogl, T., Maahn, M., Kneifel, S., Schimmel, W., Moisseev, D., and Kalesse-Los, H.
<b>R2P23</b>	<b>DEVELOPMENT OF RAPID-E+ FOR REAL-TIME CLASSIFICATION AND QUANTIFICATION OF AIRBORNE BACTERIA, FUNGI, AND OTHER BIOAEROSOLS</b> Zhang, M., Fkaier, S., Fernana, S., Kiseleva, S., and Kiselev

## Results from Exploratory Platforms

<b>R2P24</b>	<b>COMPACT COHERENT WIND LIDAR FOR MOBILE PLATFORMS</b> Bollig, C., Ulonska, S., Winter, F., Kucirek, P., Skupin, A., Ohneiser, K., Hajipour, M., Radenz, M., Bühl, J., and Engelmann, R.
<b>R2P25</b>	<b>A YEAR-LONG CLOUDNET DATA SET FROM THE FROZEN ARCTIC OCEAN</b> Griesche, H. J., Althausen, D., Bühl, J., Engelmann, R., Hofer, J., Radenz, M., and Seifert, P.
<b>R2P26</b>	<b>MEASUREMENT OF CONDENSING VAPORS CONTRIBUTING TO THE AEROSOL PHASE DURING THE MULTIDISCIPLINARY DRIFTING OBSERVATORY OF THE STUDY OF ARCTIC CLIMATE (MOAIC) EXPEDITION</b> Quelever, L.L.J., Boyer, M., Beck, I., Laurila, T., Lampimaki, M., Kempainen, D., Aliaga, D., Brasseur, Z., Kulmala, M., Petäjä, T., Sipilä, M., Schmale, J., and Jokinen, T.
<b>R2P27</b>	<b>IN-SITU VERTICAL PROFILES OF ATMOSPHERIC AEROSOL PROPERTIES ONBOARD A REMOTELY PILOTED AIRCRAFT SYSTEM AT EL ARENOSILLO (SW, SPAIN)</b> Sorribas, M., Bogeat, J.A., Jimenez-Martin, M.M., Amor, L., Borobia, R., Gomez-Villegas, A., and Yela, M.



## Integrative ACTRIS Science

<b>R3P01</b>	<p><b>CHARACTERIZATION OF ATMOSPHERIC AEROSOL DURING SIMULTANEOUS VOLCANIC ASH AND DESERT DUST TRANSPORT EVENTS</b></p> <p>Damiano, R., Amoruso, S., Sannino, A., Scollo, S., Sellitto, P., and Boselli, A.</p>
<b>R3P02</b>	<p><b>COMPARISON BETWEEN AEROSOL OPTICAL PROPERTIES FROM MODEL SIMULATIONS AND RAMAN LIDAR OBSERVATIONS: FIRST RESULTS FROM THE RITA 2021 CAMPAIGN</b></p> <p>Gouveia, D. A., Liu, X., Apituley, A., Dusek, U., and Henzing, B.</p>
<b>R3P03</b>	<p><b>MONITORING OF ICE-NUCLEATING PARTICLES IN THE FREE TROPOSPHERE AT THE SONNBLICK OBSERVATORY</b></p> <p>Lacher, L., Bogert, P., Höhler, K., Maier, C., Ludewig, E., and Möhler, O.</p>
<b>R3P04</b>	<p><b>FIRST WIND AND TURBULENCE PROFILES OVER WARSAW URBAN BOUNDARY LAYER WITH DOPPLER LIDAR</b></p> <p>Ortiz-Amezcuca, P., Janicka, L., Karasewicz, M., Hafiz, A., and Stachlewska, I. S.</p>
<b>R3P05</b>	<p><b>ACTRIS - SHAPING THE FUTURE OF ATMOSPHERIC RESEARCH</b></p> <p>Paramonov, M., Kivekäs, N., Laj, P., Petracca, R., Gargano, G., and Juurola, E.</p>
<b>R3P06</b>	<p><b>MACROPHYSICAL AND MICROPHYSICAL PROPERTIES OF CLOUDS OVER BUCHAREST-MĂGURELE, ROMANIA</b></p> <p>Pirloaga, R., Antonescu, B., Ene, D., Toanca, F., and Adam, M.</p>
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