Deliverable D57 (D7.8)

Open Publications and Reports

RI-URBANS

Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial AreaS (GA n. 101036245)

By

ACTRIS ERIC

9/07/2025

RI-URBANS (www.RIURBANS.eu) is supported by the European Commission under the Horizon 2020 – Research and Innovation Framework Programme, H2020-GD-2020, Grant Agreement number: 101036245

Deliverable D57 (D7.8): Open Publications and Reports

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Work package (WP)	WP7 Communication, dissemination and exploitation
Deliverable	D57 (D7.8)
Lead beneficiary	ACTRIS ERIC
Deliverable type	☐ R (document, report) ☐ DEC (websites, patent filings, videos,….) ■ Other: ORDP (open research data pilot)
Dissemination level	■ PU (public) ☐ CO (confidential, only members of consortium and European Commission))
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Comments	This deliverable provides an overview of the open access research outputs generated within the RI-URBANS project.

RI-URBANS (www.RIURBANS.eu) is supported by the European Commission under the Horizon 2020 – Research and Innovation Framework Programme, H2020-GD-2020, Grant Agreement number: 101036245

Table of Contents

RI-URBANS (www.RIURBANS.eu) is supported by the European Commission under the Horizon 2020 – Research and Innovation Framework Programme, H2020-GD-2020, Grant Agreement number: 101036245

1. Executive summary

This deliverable provides an overview of the open access research outputs generated within the RI-URBANS project. It lists the scientific peer-reviewed publications, reports, and other formal outputs produced under the project, alongside information on where and how to access them.

The deliverable supports RI-URBANS' commitment to Open Science and ensures transparency and accessibility of research findings to a broad audience, including the scientific community, policymakers, and the general public.

RI-URBANS plays a flagship role in bridging cutting-edge atmospheric research with practical tools and guidance for air quality management. Its multi-domain approach—spanning aerosol science, human exposure, data assimilation, and health impact assessment—has resulted in a suite of actionable recommendations for improving urban air quality monitoring. Notably, several of the project's recommendations have been explicitly taken up in the European Commission's 2023 proposal for revising the Ambient Air Quality Directive (AAQD, Directive (EU) 2024/2881). These include provisions for monitoring of ultrafine particles (UFP), black carbon (BC), ammonia (NH_3), and oxidative potential (OP), as well as enhanced source apportionment capabilities in cities. Also the DG ENV-EC guidance document on monitoring for the new AAQD refers 29 times to the STs of RI-URBANS as recommendations to implement measurements of the supersites.

The impact of these scientific and policy contributions is further strengthened by the project's open research practices, in line with Horizon 2020 and Horizon Europe principles. RI-URBANS ensures that all peer-reviewed publications, data, and supporting documents are openly accessible through platforms such as Zenodo, OpenAIRE, CORDIS, and the RI-URBANS website. This commitment to openness facilitates broad uptake and reusability of results by researchers, policymakers, and practitioners, helping bridge the gap between research and implementation.

This is a public document that will be distributed to all the RI-URBANS partners for their use and submitted to the European Commission as RI-URBANS Deliverable D57 (D7.8). The document can be downloaded at: https://riurbans.eu/work-package-7/#deliverables-wp7

2. Introduction

The RI-URBANS project (Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial Areas) produces a range of scientific outputs designed to improve air quality monitoring and decision-making. In line with the Horizon Europe principles on Open Science, all peer-reviewed scientific publications and reports funded by the project are made openly accessible.

This report outlines how stakeholders can access these outputs and where they are published.

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3. Accessing RI-URBANS Open Publications

3.1 Open Access Policy

All RI-URBANS peer-reviewed publications are made available under open access licenses (e.g., Creative Commons), following the European Commission's guidelines for Horizon 2020 and Horizon Europe.

3.2 Repositories and Platforms

The following platforms host RI-URBANS publications:

- **CORDIS (Community Research and Development Information Service):** public resources, such as public project results, videos, peer reviewed articles, thesis, conference proceedings, books chapters,data sets and other research producrs, are submitted to CORDIS and openly accesible. Link: https://cordis.europa.eu/project/id/101036245/results
- **RI-URBANS Project Website**: main access point for accessing Project results (milestones and delivarbles), peer-reviewed scientific publications, tools and supportive reports, dissemination material. Link: https://riurbans.eu/
- **Zenodo**: resources co-developed with the EU H2020's Project ATMO-ACCESS (GA No 101008004) are archived on Zenodo. Link: https://zenodo.org/communities/ri-urbans
- **OpenAIRE**: platform focused on promoting and supporting Open Science, providing access to RI-URBANS products (i.e. publications, research data, research software, DMP, and other), improving the discoverability, accessibility, and reusability of the project's research outputs, also connecting the various research outputs with potential funders and organizations.Link: https://explore.openaire.eu/search/project?projectId=corda__h2020::e32d7cbdc6b4c6ec50bbc5a0f3f52771
- **Institutional Repositories & Publisher Platforms**: Publications are also available through the websites of academic publishers and institutional repositories of the authors' affiliations.

4. List of Open Access Publications and Reports

Peer Reviewed Scientific Articles

Note: The list is continuously updated as new publications are released.

2025

Title: Population exposure to outdoor NO2, black carbon, and ultrafine and fine particles over Paris with multi-scale modelling down to the street scale
DOI: 10.5194/acp-25-3363-2025

Title: Aerosols in the Mixed Layer and Mid-Troposphere from Long-Term Data of the Italian Automated Lidar-Ceilometer Network (ALICENET) and Comparison with the ERA5 and CAMS Models
DOI: 10.3390/rs17030372

Title: Air pollution mapping and variability over five European cities
DOI: 10.1016/j.envint.2025.109474

RI-URBANS (www.RIURBANS.eu) is supported by the European Commission under the Horizon 2020 – Research and Innovation Framework Programme, H2020-GD-2020, Grant Agreement number: 101036245

Title: Sensitivity of predicted ultrafine particle size distributions in Europe to different nucleation rate parameterizations using PMCAMx-UF v2.2 (opens in new window)
DOI: 10.5194/gmd-18-1103-2025

Title: A European aerosol phenomenology – 9: Light absorption properties of carbonaceous aerosol particles across surface Europe
DOI: 10.1016/j.envint.2024.109185

Title: Source apportionment of ultrafine particles in urban Europe
DOI: 10.1016/j.envint.2024.109149

Title: Modelling oxidative potential of atmospheric particle: A 2-year study over France
DOI: 10.1016/j.scitotenv.2025.178813

Title: Multi-site comparison and source apportionment of equivalent Black Carbon mass concentrations (eBC) in the United States: Southern California Basin and Rochester, New York
DOI: 10.1016/j.apr.2024.102340

Title: Measurement report: Exploring the variations in ambient BTEX in urban Europe and their environmental health implications
DOI: 10.5194/acp-25-625-2025

Title: Effect of street trees on local air pollutant concentrations (NO₂, BC, UFP, PM_{2.5}) in Rotterdam, the Netherlands
DOI: 10.1039/d4ea00157e

Title: Aerosol spectral optical properties in the Paris urban area and its peri-urban and forested surroundings during summer 2022 from ACROSS surface observations
DOI: 10.5194/acp-25-3161-2025

Title: Using low-cost sensors to assess common air pollution sources across multiple residences
DOI: 10.1038/s41598-025-85985-1

Title: Application of a near real-time technique for the assessment of atmospheric arsenic and metals emissions from a copper smelter in an urban area of SW Europe
DOI: 10.1016/j.envpol.2024.125602

Title: High resolution source-resolved PM2.5 spatial distribution and human exposure in a large urban area
DOI: 10.1016/j.atmosenv.2025.121277

Title: Addressing the advantages and limitations of using Aethalometer data to determine the optimal absorption Ångström exponents (AAEs) values for eBC source apportionment
DOI: 10.1016/j.atmosenv.2025.121121

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Title: An interlaboratory comparison to quantify oxidative potential measurement in aerosol particles: challenges and recommendations for harmonisation
DOI: 10.5194/amt-18-177-2025

Title: Measurement report: Wintertime aerosol characterization at an urban traffic site in Helsinki Finland
DOI: 10.5194/acp-25-4907-2025

Title: Source-dependent absorption Ångström exponent in the Los Angeles Basin: Multi-time resolution factor analyses of ambient PM2.5 and aerosol optical absorption
DOI: 10.1016/j.scitotenv.2024.178095

Title: Characterization of brown carbon absorption in different European environments through source contribution analysis
DOI: 10.5194/acp-25-2667-2025

Title: Trends of PM1 aerosol chemical composition, carbonaceous aerosol, and source over the last 10 years at Melpitz (Germany)
DOI: 10.1016/j.atmosenv.2025.121075

Title: High-resolution air quality maps for Bucharest using a mixed-effects modeling framework
DOI: 10.5194/acp-25-4639-2025

Title: How Does the Location of Power Plants Impact Air Quality in the Urban Area of Bucharest?
DOI: 10.3390/atmos16060636

Title: Source apportionment of PM10 particles in the urban atmosphere using PMF and LPO-XGBoost
DOI: 10.1016/j.envres.2025.121659

Title: Modelling of atmospheric variability of gas and aerosols during the ACROSS campaign 2022 in the greater Paris area: evaluation of the meteorology, dynamics and chemistry
DOI 10.5194/acp-25-4803-2025

Title: The applicability and challenges of black carbon sensors in monitoring networks
DOI: 10.5194/ar-3-293-2025

Title: Effect of street trees on local air pollutant concentrations (NO2, BC, UFP, PM2.5) in Rotterdam, the Netherlands
DOI: 10.1039/d4ea00157e

Title: Spatial variability of metal pollution in sands and sandy soils of playgrounds and parks in the Barcelona metropolitan area: assessing the impact of urban and industrial activities
DOI: 10.1007/s11869-025-01726-3

Title: Source apportionment of PM10 based on offline chemical speciation data at 24 European sites
DOI: 10.1038/s41612-025-01097-7

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Title: Street-scale black carbon modelling over the West Midlands, United Kingdom: Sensitivity test of traffic emission factor adjustments
DOI: 10.1016/j.envint.2025.109265

Title: Short-term exposure to desert dust and sandstorms and all-cause and cause-specific mortality and morbidity: A systematic review and meta-analysis
DOI: 10.1016/j.envint.2025.109277

Title: Comparative receptor modelling for the sources of fine particulate matter (PM2.5) at urban sites in the UK
DOI: 10.1016/j.atmosenv.2024.120963

Title: How the understanding of atmospheric new particle formation has evolved along with the development of measurement and analysis methods
DOI: 10.1016/j.jaerosci.2024.106494

Title: Modeling the Black and Brown Carbon Absorption and Their Radiative Impact: The June 2023 Intense Canadian Boreal Wildfires Case Study
DOI: 10.1029/2024JD042674

Title: Volatile organic compound sources and impacts in an urban Mediterranean area (Marseille, France)
DOI: 10.5194/acp-25-5977-2025

Title: Mobile monitoring of air pollution – a position paper on use cases, good practices, challenges, and opportunities
DOI: 10.1016/j.envint.2025.109582

Title: Comparison of modelled and experimental PM10 source contributions for mapping source-specific oxidative potential
DOI: 10.1016/j.aeaoa.2025.100339

2024

Title: Impact of peri-urban forest fires on air quality and aerosol optical and chemical properties: The case of the August 2021 wildfires in Athens, Greece
DOI: 10.1016/j.scitotenv.2023.168028

Title. Vertical distribution of ice nucleating particles over the boreal forest of Hyytiälä, Finland
DOI: 10.5194/acp-24-11305-2024

Title. Online monitoring of carbonaceous aerosols in a northern Chinese city: Temporal variations, main drivers, and health risks
DOI: 10.1016/j.atmosenv.2023.120169

Title. Large-eddy simulation of aerosol concentrations in a realistic urban environment: Model validation and transport mechanism
DOI: 10.1016/j.envpol.2024.124475

Title: Hyperlocal Air Pollution Mapping: A Scalable Transfer Learning LUR Approach for Mobile Monitoring
DOI: 10.1021/acs.est.4c06144

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Title: A geospatial approach for dynamic on-road emission through open-access floating car data
DOI: 10.1088/1748-9326/ad984d

Title: PM10-bound trace elements in pan-European urban atmosphere
DOI: 10.1016/j.envres.2024.119630

Title: Characterizing winter-time brown carbon: Insights into chemical and light-absorption properties in residential and traffic environments
DOI: 10.1016/j.scitotenv.2024.177089

Title: Exploring the Spatial Variability of Air Pollution Using Mobile BC Measurements in a Citizen Science Project: A Case Study in Mechelen
DOI: 10.3390/atmos15070757

Title: Evaluation of air quality changes in a Chinese megacity over a 15-year period (2006–2021) using PM2.5 receptor modelling
DOI: 10.1016/j.envpol.2023.122803

Title: Unveiling the optimal regression model for source apportionment of the oxidative potential of PM10
DOI: https://doi.org/10.5194/acp-24-7261-2024

Title: Causes of the unremitting high ambient levels of PM10 in a suburban background site in NE Spain
DOI: 10.1016/j.envpol.2024.125113

Title: Source apportionment of particle number size distribution at the street canyon and urban background sites
DOI: 10.5194/acp-24-12143-2024

Title: New particle formation event detection with convolutional neural networks
DOI: 10.1016/j.atmosenv.2024.120487

Title: Analysis of secondary inorganic aerosols over the greater Athens area using the EPISODE–CityChem source dispersion and photochemistry mode
DOI: 10.5194/acp-24-7815-2024

Title: Synergic use of in-situ and remote sensing techniques for comprehensive characterization of aerosol optical and microphysical properties
DOI: 10.1016/j.scitotenv.2023.167585

Title: Street-scale air quality modelling over the West Midlands, United Kingdom: Effect of idealised traffic reduction scenarios
DOI: 10.1016/j.uclim.2024.101961

Title: A novel spatiotemporal prediction approach to fill air pollution data gaps using mobile sensors, machine learning and citizen science techniques
DOI: 10.1038/s41612-024-00859-z

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Title: Exploring the discrepancy between top-down and bottom-up approaches of fine spatio-temporal vehicular CO2 emission in an urban road network
DOI: 10.1016/j.scitotenv.2023.165827

Title: Constructing transferable and interpretable machine learning models for black carbon concentrations
DOI: 10.1016/j.envint.2024.108449

Title: High-Precision Microscale Particulate Matter Prediction in Diverse Environments Using a Long Short-Term Memory Neural Network and Street View Imagery
DOI: 10.1021/acs.est.3c06511

Title: Portable Sensors for Dynamic Exposure Assessments in Urban Environments: State of the Science
DOI: 10.3390/s24175653

Title: Novel aerosol diluter – Size dependent characterization down to 1 nm particle size
DOI: 10.1016/j.jaerosci.2023.106180

Title: Contrasting effects of urban trees on air quality: From the aerodynamic effects in streets to impacts of biogenic emissions in cities
DOI: 10.1016/j.scitotenv.2024.174116

Title: Uncertainties in source allocation of carbonaceous aerosols in a Mediterranean region
DOI: 10.1016/j.envint.2023.108252

Title: Towards seamless environmental prediction – development of Pan-Eurasian EXperiment (PEEX) modelling platform
DOI: 10.1080/20964471.2024.2325019

Title: Insights into the sources of ultrafine particle numbers at six European urban sites obtained by investigating COVID-19 lockdowns
DOI: 10.5194/acp-24-9515-2024

Title: Sub-grid Variability and its Impact on Exposure in Regional Scale Air Quality and Integrated Assessment Models: Application of the uEMEP Downscaling Model
DOI: 10.1016/j.atmosenv.2024.120586

Title: Seamless Modeling of Direct and Indirect Aerosol Effects during April 2020 Wildfire Episode in Ukraine
DOI: 10.3390/atmos15050550

Title: Variability of ambient air ammonia in urban Europe (Finland, France, Italy, Spain, and the UK)
DOI: 10.1016/j.envint.2024.108519

Title: Oxidative potential apportionment of atmospheric PM1: a new approach combining high-sensitive online analysers for chemical composition and offline OP measurement technique
DOI: 10.5194/acp-24-3257-2024

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Title: Modelling molecular composition of SOA from toluene photo-oxidation at urban and street scales
DOI: 10.1039/d4ea00049h

Title: Significant spatial gradients in new particle formation frequency in Greece during summer
DOI: 10.5194/acp-24-65-2024

Title: Concentration and source changes of nitrous acid (HONO) during the COVID-19 lockdown in Beijing
DOI: 10.5194/acp-24-8569-2024

Title: Aerosol source apportionment uncertainty linked to the choice of input chemical components
DOI: 10.1016/j.envint.2024.108441

Title: Modelling of atmospheric concentrations of fungal spores: a 2-year simulation over France using CHIMERE
DOI: 10.5194/acp-24-10601-2024

Title: ALICENET – an Italian network of automated lidar ceilometers for four-dimensional aerosol monitoring: infrastructure, data processing, and applications
DOI: 10.5194/amt-17-6119-2024

Title: PM10 Organic Aerosol Fingerprints by Using Liquid Chromatography Orbitrap Mass Spectrometry: Urban vs. Suburban in an Eastern Mediterranean Medium-Sized Coastal City
DOI: 10.3390/air2030018

Title: Pinpointing Sources of Pollution Using Citizen Science and Hyperlocal Low-Cost Mobile Source Apportionment
DOI: 10.1016/j.envint.2024.109069

Title: Opinion: New directions in atmospheric research offered by research infrastructures combined with open and data-intensive science
DOI: 10.5194/acp-24-5369-2024

Title: Inter-annual trends of ultrafine particles in urban Europe
DOI: 10.1016/j.envint.2024.108510

Title: Opinion: A paradigm shift in investigatng the general characteristics of atmospheric new particle formation using field observations
DOI: 10.5194/ar-2-49-2024

Title: Recommendations for reporting equivalent black carbon (eBC) mass concentrations based on long-term pan-European in-situ observations
DOI: 10.1016/j.envint.2024.108553

Title: Identification of volatile organic compounds and their sources driving ozone and secondary organic aerosol formation in NE Spain
DOI: 10.1016/j.scitotenv.2023.167159

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Title: Seasonal Analysis of Planetary Boundary Layer and Turbulence in Warsaw, Poland Through Lidar and LES Simulations
DOI: 10.3390/rs16244728

Title: Evaluation of modelled versus observed non-methane volatile organic compounds at European Monitoring and Evaluation Programme sites in Europe
DOI: 10.5194/acp-24-7699-2024

2023

Title: Towards a better understanding of fine PM sources: online and offline datasets combination in a single PMF.
DOI: 10.1016/j.envint.2023.108006

Title: Key factors for abating particulate matter in a highly industrialized area in N Spain: Fugitive emissions and secondary aerosol precursors
DOI: 10.1016/j.chemosphere.2023.139959

Title. Levels and drivers of urban black carbon and health risk assessment during pre- and COVID19 lockdown in Augsburg, Germany
DOI: 10.1016/j.envpol.2022.120529

Title: Effects of emission sources on the particle number size distribution of ambient air in the residential area
DOI: 10.1016/j.atmosenv.2022.119419

Title: Long-term characterization of organic and elemental carbon at three different background areas in northern Europe
DOI: 10.1016/j.atmosenv.2023.119953

Title: Development and Evaluation of an Improved Off-Line Aerosol Mass Spectrometry Technique
DOI: 10.5194/amt-16-2837-2023

Title: Impact of COVID-19 lockdown on particulate matter oxidative potential at urban background *versus* traffic sites
DOI: 10.1039/d3ea00013c

Title: On dissipation time scales of the basic second-order moments: the effect on the Energy and Flux-Budget (EFB) turbulence closure for stably stratified turbulence
DOI: https://doi.org/10.5194/npg-31-395-2024

Title: Simultaneous Use of Ground-Based and Satellite Observation to Evaluate Atmospheric Air Pollution over Amman, Jordan
DOI: 10.3390/atmos14020274

Title: Effect of radiation interaction and aerosol processes on ventilation and aerosol concentrations in a real urban neighbourhood in Helsinki
DOI: 10.5194/acp-23-9347-2023

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Title: Source apportionment of oxidative potential depends on the choice of the assay: insights into 5 protocols comparison and implications for mitigation measures
DOI: 10.1039/d3ea00007a

Title: The variability of mass concentrations and source apportionment analysis
DOI: 10.1016/j.envint.2023.108081

Title: Simulation of the influence of residential biomass burning on air quality in an urban area
DOI: 10.1016/j.atmosenv.2023.119897

Title: A 1-year aerosol chemical speciation monitor (ACSM) source analysis of organic aerosol particle contributions from anthropogenic sources after long-range transport at the TROPOS research station Melpitz
DOI: 10.5194/acp-23-6963-2023

Title: Characterizing the sources of ambient PM10 organic aerosol in urban and rural Catalonia, Spain
DOI: 10.1016/j.scitotenv.2023.166440

Title: Discovering oxidative potential (OP) drivers of atmospheric PM10, PM2. 5, and PM1 simultaneously in North-Eastern Spain
DOI: 10.1016/j.scitotenv.2022.159386

Title: Ambient air particulate total lung deposited surface area (LDSA) levels in urban Europe
DOI: 10.1016/j.scitotenv.2023.165466

Title: Influence of anthropogenic emissions on the composition of highly oxygenated organic molecules in Helsinki: a street canyon and urban background station comparison
DOI: 10.5194/acp-23-12965-2023

Title: Prediction of the Concentration and Source Contributions of PM2.5 and Gas-Phase Pollutants in an Urban Area with the SmartAQ Forecasting System
DOI: 10.3390/atmos15010008

Title: Phenomenology of ultrafine particle concentrations and size distribution across urban Europe
DOI: 10.1016/j.envint.2023.107744

Title: Opportunistic mobile air quality mapping using sensors on postal service vehicles: from point clouds to actionable insights
DOI: 10.3389/fenvh.2023.1232867

Title: Infrequent new particle formation in a coastal Mediterranean city during the summer
DOI: 10.1016/j.atmosenv.2023.119732

Title: Improved counting statistics of an ultrafine differential mobility particle size spectrometer system
DOI: 10.5194/amt-16-2471-2023

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Title: Determinants of spatial variability of air pollutant concentrations in a street canyon network measured using a mobile laboratory and a drone
DOI: 10.1016/j.scitotenv.2022.158974

Title: Mobile measurements of black carbon: Comparison of normal traffic with reduced traffic conditions during COVID-19 lock-down
DOI: 10.1016/j.envint.2023.108273

Title: Modelling the dispersion of particle number concentrations in the West Midlands, UK using the ADMS-Urban model
DOI: 10.1016/j.envint.2023.108273

Title: Aerosol optical depth climatology from the high–resolution MAIAC product over Europe: differences between major European cities and their surrounding environments
DOI: 10.5194/acp-23-12455-2023

Title: Spatiotemporal Variability of Urban Air Pollution in Bucharest City
DOI: 10.3390/atmos14121759

Title: Atmospheric boundary layer height from ground-based remote sensing: a review of capabilities and limitations
DOI: 10.5194/amt-16-433-2023

2022

Title: Long-term air quality trends of regulated pollutants in the Helsinki metropolitan area from 1994–2019 and its implications to the Air Quality Index
URL: https://www.borenv.net/BER/archive/pdfs/ber27/ber27-061-079.pdf

Title: Vigorous New Particle Formation Above Polluted Boundary Layer in the North China Plain
DOI: 10.1029/2022GL100301

Title: Measurement Report: A Multi-Year Study on the Impacts of Chinese New Year Celebrations on Air Quality in Beijing, China
DOI: 10.5194/acp-22-11089-2022

Title: Influence of emission size distribution and nucleation on number concentrations over Greater Paris
DOI: 10.5194/acp-22-8579-2022

Title: Non-linear models for black carbon exposure modelling using air pollution datasets
DOI: 10.1016/j.envres.2022.113269

Title: Enviro-HIRLAM model estimates of elevated black carbon pollution over Ukraine resulted from forest fires
DOI: 10.5194/acp-22-15777-2022

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Title: Development and Application of the SmartAQ High-Resolution Air Quality and Source Apportionment Forecasting System for European Urban Areas
DOI: 10.3390/atmos13101693

Title: Opinion: Insights into updating Ambient Air Quality Directive 2008/50/EC
DOI: 10.5194/acp-22-4801-2022

Title: Real-Time Source Apportionment of Organic Aerosols in Three European Cities
DOI: 10.1021/acs.est.2c02509

Title: Vehicular Traffic in Urban Areas: Health Burden and Influence of Sustainable Urban Planning and Mobility
DOI: 10.3390/atmos13040598

Title: Improving the current air quality index with new particulate indicators using a robust statistical approach
DOI: 10.1016/j.scitotenv.2022.157099

Title: 2011–2020 trends of urban and regional ammonia in and around Barcelona, NE Spain
DOI: 10.1016/j.chemosphere.2022.135347

Title: European aerosol phenomenology − 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets
DOI: 10.1016/j.envint.2022.107325

Title: Combined organic and inorganic source apportionment on yearlong ToF-ACSM dataset at a suburban station in Athens
DOI: 10.5194/amt-15-4675-2022

Thesis and Dissertations

Note**:** The list is continuously updated as new publications are released.

Title: Secondary air pollutants in urban and rural Catalonia, Spain: characterizing the precursors, source-contributions, and toxicity
Year: 2023
DOI: http://hdl.handle.net/10803/691382

Title: Towards a better characterisation of the submicron aerosol in the mediterranean basin
Year: 2023
DOI: http://hdl.handle.net/10803/689237

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Conference Proceedings

Note: The list is continuously updated as new publications are released.

2025

Title: RI-URBANS: Source apportionment of different pollutants in urban Europe
DOI: 10.5194/egusphere-egu25-4111

Title: RI-URBANS: New air quality parameters for an advanced policy assessment in urban Europe
DOI: 10.5194/egusphere-egu25-3187

Title: Performance of low-cost sensors to measure PM10: do they also measure coarse particles?
DOI: https://meetingorganizer.copernicus.org/EGU25/EGU25-20256.html

2024

Title: Short-term effects of ultrafine particles on mortality
DOI: 10.5194/egusphere-egu24-11346

Title: One year of aerosol chemical composition and source apportionment in Milan
DOI: 10.1393/ncc/i2024-24264-y

2023

Title: Near Real-Time Source Apportionment of Carbonaceous Aerosols in 13 Sites Across Europe
DOI: 10.5194/egusphere-egu23-6361, 2023.

2022

Title: Research Infrastructures to evaluate advanced air quality parameters, including ultrafine particles, in urban Europe (RI-URBANS)
DOI: 10.5445/ir/1000158356

Reports, Books and Books chapters

Note: The list is continuously updated as new publications are released.

2025

Title: Guidance documents on measurements and modelling of novel air quality pollutants in urbans Europe: Summary and added value
URL: https://riurbans.eu/wp-content/uploads/2025/03/RI-URBANS_AXA-book.pdf

2024

Title: Theory of atmospheric pollution dispersion
DOI: 10.1016/b978-0-12-822591-2.00007-x

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