

RI-URBANS WEBINAR FOR PRESENTATION OF THE 17 GUIDANCE DOCUMENTS FOR THE IMPLEMENTATION OF MEASUREMENTS AND MODELLING FOR NOVEL AIR QUALITY POLLUTANTS

16th April 2025 10:00h – 11:30h (CEST)

Link: [click here](#)

This short webinar is part of the "Research Infrastructures Services Reinforcing Air Quality (AQ) Monitoring Capacities in European Urban & Industrial AreaS" ([RI-URBANS](#)) EU funded Horizon-2020 project. It is specifically connected to the new European AQ Directive (EU) 2024/2881 published on 20th November 2024.

This is to announce the open access publication of the guidance documents of the RI-URBAN's 16 Service Tools, some of which co-produced with the Aerosol, Clouds and Trace Gases Research Infrastructure ([ACTRIS](#)), for an advanced AQ assessment. Several of these give recommendations for implementing specific measurements at the supersites of the new AQ Directive, as well as information on the added value of implementing such measurements. To this end the 16 guidance documents are freely openly available at <https://riurbans.eu/project/#service-tools>. Furthermore, the booklet summarising the 16 Service Tools and the added value of implementing these can be downloaded in the same website.

Agenda (in CEST)

10:00 – 10:05 Welcome (Xavier Querol, Tuukka Petäjä)

10:05 – 10:25 Brief introduction to RI-URBANS, the Service Tools and the "Summary and Added Value" booklet (Xavier Querol)

10:25 – 10:40 Interactions between RI-URBANS, ACTRIS AQUILA, EEA, EMEP and joint training seminars (Tuukka Petäjä)

10:40 – 11:30 Discussion and interactions (moderated by Tuukka Petäjä)

In this short webinar we will summarise these Service Tools and the added value of implementing these. They give guidance for surface and profile measurements, source apportionment, health assessment, mapping, emission inventories, and modelling (see list below). Main focus will be given for the measurements of the novel pollutants.



Number	Guidance document topic
<i>Protocols for the measurement of novel AQ pollutants</i>	
ST1	Ultrafine-Particle Number Size Distributions (UFP-PNSD)
ST2	Black Carbon (BC)
ST3	Offline and online particulate matter (PM) speciation
ST4	Oxidative potential of particulate matter (OP of PM)
ST5	Volatile Organic Compounds (VOCs)
ST6	Ammonia (NH ₃)
<i>Methodologies for vertical profiles of pollutants and meteorology</i>	
ST7	Measurements of boundary level height
ST8	Measurements of vertical profiles of aerosols
ST9	Measurements of vertical IAGOS vertical profiles by commercial aircrafts
<i>Methodologies for source apportionment receptor modelling</i>	
ST10	Source apportionment techniques for particulate matter
ST11	Source apportionment of eBC, UFP, OP and VOCs
<i>Methodologies for urban mapping of novel air quality pollutants</i>	
ST12	Deterministic urban modelling of fine PM and PNC
ST13	Mapping ultrafine particles and citizen science
<i>Methodologies for evaluating the health effects of novel AQ pollutants</i>	
ST14	Evaluation of health effects of novel air quality parameters
<i>Obtaining emission inventories for novel AQ pollutants</i>	
ST15	First UFP-PNSD and non-exhaust vehicle PM EU emission
<i>Modelling methodologies for novel AQ pollutants</i>	
ST16	UFP-PNSD multiscale modelling

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