

Milestone M44 (M7.7) Project final meeting for AQ stakeholders and partners



RI-URBANS

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

By

CSIC & UHEL



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



HELSINGIN YLIOPISTO

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Milestone M44 (M7.7): Project final meeting for AQ stakeholders and partners

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Comments	This report offers information of the final scientific meeting and the final stakeholders webinar that took place 8 th -9 th and 10 th September 2025, respectively in Barcelona, Spain.

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1. About this document

This report “*Project final meeting for AQ stakeholders and partners*” (M44 (M7.7)) offers information of the final scientific meeting and the final stakeholders webinar that took place 8th-9th and 10th September 2025, respectively in Barcelona, Spain.

This is a public document that will be distributed to all RI-URBANS partners for their use and submitted to the European Commission as a RI-URBANS Milestone M44 (M7.7). This document can be downloaded at <https://riurbans.eu/work-package-7/#milestones-wp7>.

2. Final RI-URBANS Scientific meeting

The [final scientific meeting](#) took place in Barcelona in the CSIC Delegation conference room on 8th and 9th September 2025. The meeting was organised with a hybrid format, with 56 face-to-face-participants and other 40 remote attendees. 55 institutions worldwide were represented, including notable organizations such as DG ENV-ECWHO, ACTRIS, AQUILA, WHO and IAGOS.

Over two days, researchers, partners, and experts discussed the project’s key results and explore their significance for the future of urban air quality and health. The meeting was co-organised with ACTRIS-ERIC to evidence that ACTRIS ERIC will support the implementation of the RI-URBANS’ service tools in support of the implementation of the AQ Directive 2024/2881.

The highlights of the two days meeting can be summarised as:

- Inspiring plenary talks from the European Commission, WHO, and ACTRIS on implementation of new pollutants in the new Air Quality Directive
- Presentations of the final RI-URBANS Work Package results, covering air pollution sources, data, and how project outcomes will continue making an impact beyond RI-URBANS.
- Focusing on the 16 Service Tools (STs) – addressing ultrafine particles, black carbon, health effects, emission inventories, modelling, urban mapping, and citizen science.
- A warped-up discussion on how member states are building supersites to integrate science-based knowledge into European air quality management.

Below are presented the agenda and a photograph of the attendees (Figure 1).

8th September 2025 (Day 1)

Timing refers to CEST

- 09:00-09:30** Reception of delegates (for onsite participants), welcome and technical information
Marta Monge (CSIC) and Nahid Atashi (UHEL)
- 09:15-09:30** Opening MS Teams-link for online participants

INTRODUCTORY PLENARY SESSION

- 09:30-09:40 Welcome, logistics and safety issues**
CSIC and UHEL, Marta Monge (CSIC) / Nahid Atashi (UHEL)
- 09:40-09:50 RI-URBANS final results**
Xavier Querol (CSIC) / Tuukka Petäjä (UHEL)
- 09:50-10:00 Implementation of new pollutants in the new AQ Directive,**
Lucia Bernal Saukkonen (DG ENV-EC) (*online*)
- 10:00-10:10 AQUILA view on the new AQ pollutants in the new Directive**
Annette Borowiak (JRC-EC, AQUILA) (*online*)
- 10:10-10:20 The ACTRIS support for the implementation of the new AQ Directive,**
Tuukka Petäjä (RI-URBANS co-coordinator and ACTRIS Scientific Advisor)
- 10:20-10:30 Data quality control for new AQ pollutants,**
Alfred Wiedensohler (ACTRIS-CAIS-ECAC representative)
- 10:30-10:40 The current view of the WHO on the new pollutants,**
Wenlu Ye (WHO) (*online*)
- 10:40-10:50 How RI-URBANS results may be used by AQMNs,**
Guido Lanzani (ARPA Lombardia)
- 10:50-11:00 Innovative methods for air quality monitoring and modelling at transport hotspots**
Kostas Eleftheriadis (NSCR-Demokritos)
- 11:00-11:10 Innovative methods for air quality monitoring and modelling at transport hotspots**
Mikhail Sofiev (FMI)

- 11:10-11:40** Coffee break + Poster session

FINAL RESULTS OF RI-URBANS' WPs

- 11:40-12:00 WP1** (Andre Prevot / Andrés Alastuey)
- 12:00-12:20 WP1 discussion and beyond project lifetime**
- 12:20-12:40 WP2** (Roy Harrison / Gerard Hoek)
- 12:40-13:00 WP2 discussion and beyond project lifetime**

- 13:00-14:00** Lunch

- 14:00-14:20 WP3** (Augustin Colette / Maria Kanakidou) (*online*)
- 14:20-14:40 WP3 discussion and beyond project lifetime**
- 14:40-15:00 WP4** (Teresa Moreno / Tuukka Petäjä)
- 15:00-15:20 WP4 discussion and beyond project lifetime**

PROGRESS OF RI-URBANS' WPs

15:20-15:30 WP5 ([Tuukka Petäjä](#) / [Xavier Querol](#))

15:30-15:40 Data produced and management ([Lise Eder Murberg](#), NILU)

15:40-16:00 WP5 discussion and beyond project lifetime

16:00-16:30 Coffee break + Poster session

16:30-16:50 WP6 ([Xavier Querol](#) / [Katriina Kyllönen](#))

16:50-17:10 WP6 discussion and beyond project lifetime

17:10-18:10 Steering Committee (WPs' Leaders, Data Manager, Innovation Manager & Risk manager)

20:30 Dinner ([Hotel Barceló Raval 4*S](#), Rambla del Raval, 17-21 | 08001 Barcelona | Spain)

9th September 2025 (Day 2)

RI-URBANS' Service Tools (STs): FINAL VERSIONS & HOW TO UPGRADE (IF NEEDED)

09:30-09:40 ST1 UFP-PNSD ([Xavier Querol](#) / [Andrés Alastuey](#))

09:40-09:50 ST2 BC ([Marjan Savadkoohi](#) / [Marco Pandolfi](#) / [Tuukka Petäjä](#))

09:50-10:00 ST3 PM Speciation ([Andrés Alastuey](#) / [Benjamin Chazeau](#))

10:00-10:10 ST4 Oxidative Potential ([Gaëlle Uzu](#))

10:10-10:20 ST5 VOCs ([Thérèse Salameh](#))

10:20-10:30 ST6 NH₃ ([Xavier Querol](#))

10:30-10:40 ST7 Vertical Profiles PBL ([Martial Haeffelin](#))

10:40-10:50 ST8 Vertical Profiles Aerosols ([Lucia Mona](#), *online*)

10:50-11:00 ST9 Vertical Profiles IAGOS ([Christoph Mahnke](#))

11:00-11:30 Coffee/ Tea break + Poster session (continuation)

11:30-11:40 ST10 Source apportionment of PM ([Fulvio Amato](#) / [Marta Vía](#))

11:40-11:50 ST11 Source apportionment of BC, UFP and VOCs ([Marjan Savadkoohi](#) / [Marco Pandolfi](#) / [Meritxell Garcia-Marlès](#) / [Thérèse Salameh](#))

11:50-12:00 ST12 Urban Mapping and Deterministic Modelling ([Karine Sartelet](#))

12:00-12:10 ST13 Urban Mapping and Citizen Science ([Martine van Poppel](#) / [Jelle Hoffman](#))

12:10-12:20 ST14 Health Effects ([Xavier Basagaña](#))

12:20-12:30 ST15 Emission Inventories ([Jeroen Kuenen](#) and [Marc Guevara](#))

12:30-12:40 ST16 Multiscale UFP Modelling ([Spyros Pandis](#), [Karine Sartelet](#), [Maria Kanakidou](#))

12:40-14:00 Lunch

14:00-17:00 Wrap up and final discussions, including how member states are building supersites

17:00 End of the meeting



Figure 1. Face-to-face participants of the 4th Science conference of RI-URBANS in Barcelona, 8-9 September, 2025.

3. Final Stakeholder Meeting

The [final RI-URBANS stakeholder meeting](#) took place on 10th September 2025, from 09:00 to 13:00 CEST. It had a webinar format and up to 160 attendees were present remotely.

This important event presented the final results of the RI-URBANS project, with a special focus on the service tools developed and the added value they bring to urban air quality monitoring and management.

In this webinar we described the final results of RI-URBANS, with a major focus on the 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. These may support the implementation of the supersites and new pollutants in the Air Quality Directive (EU) 2024/2881, again together with ACTRIS-ERIC because the latter may have an important role in supporting implementation of Article 10.

Below is presented the agenda of the webinar.

The video of the webinar can be reproduced here: https://drive.google.com/file/d/1m2FMhWH-y2_SLRNfx4kzNldvltZiFVST/view?usp=sharing

The event concluded with an open discussion, providing participants with the opportunity to reflect on the key insights and findings, the real-world applications of the Service Tools, and the pathways for future collaboration and stakeholder engagement.

10th September 2025

Timing refers to CEST

09:00-09:15 Link for webinar connection open

09:15-09:25 Welcome

Tuukka Petäjä (UHEL) & Xavier Querol (CSIC)

09:25-09:55 Concept & results from RI-URBANS, the Service Tools

Xavier Querol (CSIC) & Tuukka Petäjä (UHEL)

09:55-10:15 The roles of ACTRIS for the implementation of STs

Tuukka Petäjä (ACTRIS-ERIC)

10:15-10:25 AXA Research Fund (Supporting publication of Guidance Documents)

10:25-10:40 Coffee break

10:40-11:00 Urban mapping tools, representativity of the AQ monitoring sites

Martine Van Poppel (VITO)

11:00-11:20 Measurements of oxidative potential

Gaëlle Uzu (CNRS-IRD)

11:20-11:40 Health effects of the new pollutants

Ioar Rivas (CSIC-ISGlobal)

11:40-12:00 Modelling of new pollutants

Augustin Colette (INERIS) and Maria Kanakidou (FORTH)

12:00-13:00 Discussion

13:00 End of meeting

The stakeholders were informed that to support them, the following specific webinars were organised:



Schedule:

Training #1: 23th January 2025 09:30 – 11:30 CET Aerosol particle number concentration
Training #2: 27th January 2025 09:30 – 11:30 CET Aerosol particle number size distribution
Training #3: 11th February 2025 09:30 – 11:30 CET Equivalent Black Carbon
Training #4: 19th September 2025 09:30 – 11:30 CET Urban mapping of pollutants and citizen science
Training #5: 29th September 2025 09:30 – 11:30 CET Source apportionment

And that all of them are recorded and available online:

Training #1: <https://riurbans.eu/a-series-of-training-events-addressing-harmonized-measurements-of-emerging-pollutants-of-the-new-air-quality-directive/>

Training #2: <https://riurbans.eu/follow-up-second-training-on-harmonized-measurements-of-emerging-pollutants/>

Training #3: <https://riurbans.eu/follow-up-third-training-on-harmonized-measurements-of-emerging-pollutants-focused-on-equivalent-black-carbon/>

Furthermore, we will co-organise subsequent training events e.g., on NH₃ and PM speciation after RI-URBANS life.