

# Milestone M38 (M6.2)

Establish contact with EU and international agencies on AQ and AQ-health



**RI-URBANS**

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

**By  
CSIC**



***22/03/2024***

### Milestone M38 (M6.2): Establish contact with EU and international agencies on AQ and AQ-health

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<b>Work package (WP)</b>	WP6 Stakeholder engagement strategies
<b>Milestone</b>	M38 (M6.2)
<b>Lead beneficiary</b>	CSIC
<b>Means of verification</b>	list of stakeholders, minutes of workshops and in-situ visits publicly available
<b>Estimated delivery deadline</b>	M30 (31/03/2024)
<b>Actual delivery deadline</b>	22/03/2024
<b>Version</b>	Final
<b>Reviewed by</b>	WP6 leaders
<b>Accepted by</b>	Project Coordinator Team
<b>Comments</b>	This document reports on contacts established with EU and national and international agencies, and SMEs on AQ and AQ-health. As it is stated in the Grant Agreement, this M38 shall contain a list of stakeholders, minutes of workshops and in-situ visits publicly available. Because ethics requirements we cannot list the names and emails of the 749 contacts of stakeholders, but the EC and referees might request this information and will be sent.

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## 1. About this document

WP6 of RI-URBANS aims at obtaining an efficient engagement with stakeholders to achieve the overall objectives on implementing the service tools (STs). A coherent set of actions to encourage the uptake of STs, methods and practices will be applied. The expected impacts: (i) Maximising the interest of all types of stakeholders identified above and implementation of STs in the Research Infrastructures (RIs) and Air Quality Monitoring Networks (AQMNs); (ii) Providing sustainable protocols for citizens engagement in AQ monitoring and awareness; and (iii) Involving the private sector to provide support for innovation and favouring growth of the Green Deal (GD) economy associated to the STs implementation.

T6.1 focuses on stakeholders' engagement for maximising impact of RI-URBANS. This task aims at transferring the results and STs to local, regional and national AQMN stakeholders by elaborating information packages that will be presented by in-situ visits and in a specific workshop to be organised. T6.1 will elaborate these information packages (D6.1) and will visit the administrations at 3 scales for 9 cities/regions/countries involved in the 5 pilots (D6.2) and will technically organise a workshop open to all cities, especially to those replicating services. Furthermore, T6.3 and T6.4 deal with the interaction with European Commission (EC) bodies and agencies on AQ and AQ-health and Small and Medium-sized Enterprises (SMEs) related with AQ instrumentation and management.

In this context, RI-URBANS Milestone M38 (M6.2) deals with establishing contact with EU and national and international agencies, and SMEs on AQ and AQ-health. As it is stated in the Grant Agreement, this M38 shall contain a list of stakeholders, minutes of workshops and in-situ visits publicly available

The purpose of this milestone is to verify that the contacts with air quality (AQ)-competent administrations and private companies are established in this point of the second period of the project. This is necessary to maximise the impact of the RI-URBANS project. The means of verification of this milestone is to provide list of stakeholders, minutes of workshops and in-situ visits that will be publicly available. This information was uploaded in the [RI-URBANS website](#) and the RI-URBANS platform (for internal purposes). This list will complement itself during the project, and is, in this sense a living document.

This is a public document, available at the RI-URBANS website, <https://riurbans.eu/work-package-6/#milestones-wp6>, and distributed to all RI-URBANS partners for their use as well as submitted to the EC as an RI-URBANS Milestone M38 (M6.2).

## 2. List of stakeholders

Due to the GDPR, this report, showing that the milestone was reached, cannot list the name of the individual stakeholders, nor their contact information. The detailed lists are maintained at the project coordination office of RI-URBANS and can be supplied to the EC and reviewers under request.

The stakeholder board of RI-URBANS includes 16 experts from different fields relevant to RI-URBANS, such as WHO, WMO, UBA, EEA, EEB, DG ENV, INERIS/EMEP, ARPA-Lombardia representatives.

The current list of stakeholders has been compiled by collecting information from stakeholder meetings held during the first (May 2022 and February 2023) and second (June 2023) periods.

The 1<sup>st</sup> stakeholder meeting (online) was held, on 30<sup>th</sup> May 2022, to establish the first contacts with stakeholders. A total of 57 participants attended the meeting. Among the stakeholders, representatives of the European Environmental Agency (EEA), WHO (World Health Organization), and WMO (World Meteorological Organization), together with delegates from several EC institutions (DG Environment, JRC, or AQUILA).

Following this on 23<sup>rd</sup> February 2023 we organised the 2<sup>nd</sup> stakeholder (hybrid, face to face and online) meeting was carried out in Warsaw, Poland to support upscaling the RI-URBANS/ACTRIS (The Aerosol, Clouds, and Trace Gases Research Infrastructure) strategy for advanced AQ parameters in Poland, given that this was a case study task in WP5. From this meeting a detailed report on this strategy is in progress, which was presented in Warsaw to the national and local stakeholders. A total of 31 participants from 16 Polish institutions attended the meeting (20 onsite and 11 remotely), and 6 RI-URBANS and ACTRIS delegates attended the meeting too.

The 3<sup>rd</sup> stakeholder (online) meeting of RI-URBANS was held, on 19<sup>th</sup> June 2023, in collaboration with ACTRIS, Project in collaboration with [ACTRIS](#), [AQUILA](#) (the Network of Air Quality Reference Laboratories in Europa) and [EMEP](#) (European Monitoring and Evaluation Program, under the Convention on Long-range Transboundary Air Pollution, CLRTAP). This was led meeting to discuss instruments and protocols to measure advanced AQ parameters for the urban RI-URBANS/ACTRIS supersites with the AQUILA community, and to present the recommendations RI-URBANS/ACTRIS sent to DG Environment for the elaboration of the new EU Air Quality Directive (AQD), concerning the measurements of advanced AQ parameters and the network of supersites. A total of 152 participants from 69 institutions attended the meeting.

The Green Deal Call Projects Support Office (GD-SO) in collaboration with RI-URBANS and STARGATE hold the webinar Clearing the Air: Research Findings on New Additions to the EU AQD, which took place on Monday, 4<sup>th</sup> December 2023. The webinar was addresses to show the phenomenology of new pollutants in Europe, and how the GD projects contribute to the elaboration of the new Directive. More than 450 attendees were registered and 250 attended, due in part to a GD-SO' error in the link of the webinar.

The coordination office maintains also the extended stakeholder list that is used for reaching out to wider community of the stakeholders. This list extensive, covering the wide range of stakeholders, with almost 647 contacts (by March 2024) from 286 administration bodies and research centres. Furthermore, 102 contacts from 67 companies are added to the list to sum 749 contacts. The summary of the list is shown in Table 1, where stakeholder representatives from EU-27 Member states (Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden) together with those from Andorra, Norway, Serbia, Switzerland, Turkey, Ukraine, and United Kingdom. Stakeholders from the EC, EEA, EEB, WHO and WMO, Australia, Canada, Chile, Ghana, Korea and Peru attended to one of our meetings and are included in the list, as did. Finally, we also included 100 contact persons from 67 private companies dealing with measurements, modelling, and consultancy of advanced AQ parameters. Table 2 contains the list of national and international organisations and private companies included in the list of stakeholders of RI-URBANS.

**Table 1.** List of stakeholders of RI-URBANS.

<b>EU-27</b>		<b>Other European</b>	
Austria	3	Andorra	2
Belgium	11	Norway	14
Bulgaria	1	Serbia	8
Croatia	3	Switzerland	14
Cyprus	10	Ukraine	1
Czech Republic	1	United Kingdom	18
Denmark	1	<b>Other National</b>	
Estonia	1	Australia	1
Finland	12	Canada	1
France	30	Chile	1
Germany	20	Ghana	1
Greece	22	Korea	1
Hungary	5	Peru	1
Ireland	2	Turkey	3
Italy	181	<b>International Bodies</b>	
Latvia	2	EC	15
Lithuania	2	UNECE	1
Luxemburg	2	EEA	3
Malta	1	EEB	1
Poland	56	WHO	5
Portugal	11	WMO	3
Romania	13	<b>Private companies</b>	102
Slovakia	1		
Slovenia	7		
Spain	126		
Sweden	11		
The Netherlands	18		

**Table 2. List of national and international organisations and private companies included in the list of stakeholders of RI-URBANS.**

	Organisation		Organisation		Organisation		Organisation
<b>Andorra</b>	Andorra Research & Innovation Govern Andorra	<b>Ghana</b>	Kwame Nkrumah University of Sci &Tech	<b>Italy</b>	Ministry for the Environment	<b>Poland</b>	Strategic Research Infrastructure Division
<b>Australia</b>	Queensland University of Technology	<b>Greece</b>	Athens City Centre of Research & Technology – Hellas Dep Environ Health, National Public Health Org FORTH GD Sustainable Development & Climate Change Ministry of Environment and Energy National Observatory of Athens National Public Health Organization NCSR DEMOKRITOS Region of Attica	<b>(cont.)</b>	Ministry Health Municipality of Verona Politecnico di Milano Politecnico di Torino Provincia di Bergamo Provincia di Lecco Regione Autónoma della Sardegna Regione Autónoma Friuli Venezia Giulia Regione Campania Regione Emilia Romagna Regione Friuli-Venezia Giulia Regione Lombardia Regione Marche Regione Umbria SARPOM Sicily – Regional Department of Health - Università degli Studi Milano-Bicocca Università del Piemonte Orientale Università di Tor Vergata Roma University Federico II, Napoli University of Bologna University of Genova University of L'Aquila University of Milan University of Modena University of Naples "Parthenope" University of Perugia University of Pisa University of Trieste University School for Advanced Studies	<b>(cont.)</b>	University of Life Sciences, ACTRIS-PL University of Opole University of Silesia in Katowice University of Warsaw Warsaw City Warsaw University of Technology Wielkopolska Regional Environ Inspector
<b>Austria</b>	Environment Agency Austria The Planet Calls	<b>Hungary</b>	Hungarian Meteorological Service Institute of Chemistry, Budapest (ELTE)	<b>Ireland</b>	Environmental Protection Agency Ireland Irish Meteorological Service	<b>Portugal</b>	Institute for Earth Sciences Uni Evora IrRADIARE Portuguese Environment Agency University of Aveiro University of Porto
<b>Belgium</b>	CONCAWE Fleming Environment Agency GD-SO Interregional Environment Agency VITO	<b>Ireland</b>	Environmental Protection Agency Ireland Irish Meteorological Service	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Romania</b>	Bucharest City Hall Ilfov County INOE INOESY SRL Ministry of Environment National Agency for Environ Protection National Environment Protection Agency, Romania Nat Inst Res& Dev for Optoelectronics Primaria Magurele
<b>Bulgaria</b>	Academy Sciences ACTRIS Bulgaria	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>SARCOM</b>	Ministry of Health - Regional Department of Health - Università degli Studi Milano-Bicocca Università del Piemonte Orientale Università di Tor Vergata Roma University Federico II, Napoli University of Bologna University of Genova University of L'Aquila University of Milan University of Modena University of Naples "Parthenope" University of Perugia University of Pisa University of Trieste University School for Advanced Studies	<b>Romania</b>	Bucharest City Hall Ilfov County INOE INOESY SRL Ministry of Environment National Agency for Environ Protection National Environment Protection Agency, Romania Nat Inst Res& Dev for Optoelectronics Primaria Magurele
<b>Canada</b>	University of Waterloo	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Spain</b>	Korea University	<b>Serbia</b>	BioSense Institute Institute of Nuclear Sciences, Serbia Institute of Public Health Belgrade University of Novi Sad, BioSense Institute
<b>Chile</b>	Servicio de Evaluación Ambiental Chile	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Latvia</b>	Latvian Environ, Geol & Met Centre	<b>Slovenia</b>	Institute JozefStefan Environment KI, National Institute of Chemistry Ministry of the Environ & Spatial Planning Slovak Hydrometeorological Institute University Novi Gorici
<b>Croatia</b>	Air Quality Measurement Division, DHMZ Institute for Medical Res & Occup Health IMROH	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Lithuania</b>	Center for Physical Sciences and Technology FTMC	<b>Spain</b>	AEMET Agència de Salut Pública de Barcelona Àrea Metropolitana de Barcelona Barcelona City Barcelona Supercomputing Center BASF Castelldefels City CIEMAT Comunidad de Madrid Diputació de Barcelona Eurecat Generalitat de Catalunya Generalitat Valenciana Gobierno de Aragón Govern Illes Balears IDAEA-CSIC Institute for Advanced Architecture of Catalonia Instituto de Salud Carlos III IPNA-CSIC ISGlobal Junta Castilla y León Junta de Andalucía Junta de Castilla La Mancha LEITAT Madrid City Ministry for Ecological Transition
<b>Cyprus</b>	Ministry of Labour, Welfare and Social Insurance The Cyprus Institute	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Luxemburg</b>	Administration Environnement Luxembourg		
<b>Czech R.</b>	CHMI CZE Czech Hydrometeorological Institute	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Malta</b>	Ambient Quality ERA		
<b>Denmark</b>	Aarus University	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Norway</b>	NILU		
<b>EC</b>	DG Environment EC Official at European Commission European Environmental Bureau European Research Executive Agency Joint Research Centre Mobility Unit, DG Internal Market, Industry	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Peru</b>	Wals Peru SA		
<b>EEA</b>	European Environment Agency	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito	<b>Poland</b>	AGH University of Science and Technology Bydgoszcz City Climate Committee, Sejmik Śląski Earth Observation Dep, Polish Space Agency Environmental Monitoring Department European Clean Air Centre (ECAC) Inspectorate of Environmental Protection Institute for Territorial Development Institute of Environmental Engineering Institute of Environmental Protection Institute of Geophysics ACTRIS-PL Institute of Meteorology and Water Instytut Podstaw Inżynierii Środowiska Lublin City National Air Quality Reference, Poland Office of Air Protection and Climate Policy Politechnika Warszawska Stanislaw Staszic University of Sci & Tech		
<b>Estonia</b>	National reference laboratory	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito				
<b>Finland</b>	Finnish Environment Institute Helsinki Region Environ Services Authority HOPE project University of Helsinki	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito				
<b>France</b>	ADEME Agency for Ecological Transition AIRPARIF CEREA, Ecole des Ponts ParisTech CNRS CNRS/IGE/IRD (France) DGEC, Ministère Environnement France Nature Environnement Ile de France INERIS Air – Climat – Énergies Institut Mines-Télécom, IMT LCE, Aix Marseille Univ., CNRS LCSQA French Reference Laboratory Ministère de la Transition Écologique Université Clermont Auvergne University Lille, LOA	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito				
<b>Germany</b>	DWD (German Meteorological Service) FZJ German Environment Agency LANUV NRW, Germany Medical advisor Saxon State Office for Env, Agr Geol TROPOS University Dueseldorf, HHU	<b>Italy</b>	Agencia Mobilita AT ARPA Campania ARPA Emilia-Romagna ARPA FVG ARPA Lazio ARPA Lombardia ARPA Marche ARPA Molise ARPA Piemonte ARPA Puglia ARPA Sardegna ARPA Sicilia ARPA Toscana ARPA Trento ARPA VdA ARPA Veneto ARPAB Agenzia Regionale Arta Abruzzo AST Ancona – Dipartimento di Prevenzione ATS ATS of Milan ATS Val Padana Province of Trento – EPA Autorità di Sistema Portuale del Mar Igiene Occ City of Pioltello Consorzio LaMMA CUFAA ENEA Enna "Kore" University EPA Bolzano-Italy Forum dell'aria IBE-CNR ICP-CNR IMAA-CNR Istituto Superiore di Sanita ISAC-CNR ISPRA Legambiente Mantua Provincial Administration Marche Region Milano Smart Park Ministero Istruzione e Merito				

Table 2. continuation

	Organisation	Company	Company
<b>Spain (cont.)</b>	Mossos d'Esquadra (Police) Observatori de Qualitat Ambiental Litoral-Besòs Observatory Fabra RACAB Parlament de Catalunya Polytechnic University of Valencia Principado de Asturias Sant Cugat City Science for Change Terrassa City Universidad de Extremadura Universitat de Barcelona University of A Coruña University of Granada University of Huelva Vic City Xunta de Galicia Zaragoza City	21c Consultancy Abacus Laser Acea Elabori SpA ADDAIR Adenc Aerodyne Aerosol doo Aethlabs Agilent (contact France) Air Quality Consultants AIRMODUS AQMesh ARIANET Art-er Aureo comunicazione Barcelona Regional Cambridge Environmental Research CF Energy Service Chromatotec Cimel Coccosphere CON.TEC Engineering Srl CONCAWE CONSULENTE Datalystica DEKATI Durag EKOMETRIA Envicontrol Group ESOLVE Fassmer Technical Projects GEA SRL GRADKO GRIMM Haze instruments ing. sergio Iezzi INOESY IRCCS Mario Negri KARSA KUNAK LECO LNI Swissgaz Los Gatos Markes (UK) MCV Menapia Meteosim Michela Malagoli NANEO Orion SRL OTT-Hydromet (Lufft) PALAS PEGASOR Picarro Privata RADIELLO Raymetrics	RICARDO SaliBri Cooper Setam srl SIMAM SPA Simularia Srl Solware srl TEA Group SRL Tera Environnement TerrAria srl TRAGSATEC TSI Vaisala
<b>Sweden</b>	Lund University Stockholm City Stockholm University Swedish Environmental Protection Agency Swedish Environmental Research Institute		
<b>Switzerland</b>	Canton St Gallen Office for the Environment Canton Zurich Canton Zürich Federal Office for the Environment Leiterin Fachstelle Umwelt, Umwelt- und Paul Scherrer Institute Swiss TPH University of Bern Zurich City		
<b>Netherlands</b>	DCMR Environmental Protection Agency Rijnmond Delft University of Technology Leiden University Oneplanet Research Center RIVM TNO Utrecht University Wageningen University		
<b>Turkey</b>	Istanbul University Koc University		
<b>Ukraine</b>	National Aviation University		
<b>UNECE</b>	UNECE		
<b>United</b>	Birmingham City DEFRA Department of Health, Northern Ireland IAGOS Imperial College London Public Health England Scottish Environment Protection Agency SEPA UK Environment Agency UK Health Security Agency University of Birmingham Welsh Government		
<b>WHO</b>	WHO		
<b>WMO</b>	WMO		



### 3. Links with stakeholders, meetings and minutes

On the international field, DG-ENV-EC, EEA, WHO and WMO have been approached several times, and delegates from these bodies have attended, and in many cases give talks, to/in our stakeholder meetings (presented below) and in [the 1<sup>st</sup>](#) and [2<sup>nd</sup> scientific](#) meetings. We have now direct contacts with these bodies. Furthermore, we have presented RI-URBANS' results in specific talks for WHO in the headquarters in Bonn, Germany. Another specific remote meeting was held to present our results to DG-ENV-EC, EEA, and EMEP. Furthermore, links were established and [meetings](#) held with the European Network of National Air Quality Reference Laboratories (AQUILA) and EMEP-UNECE to present our findings and recommendations. Furthermore, we sent the Grant Agreement to the consortium that elaborated the base documents for the proposal for a new EU AQD (Framework Contract No ENV.C.3/FRA/2017/0012). The proposal for a new EU AQD includes the requirement and recommendation to measure in supersites the advanced AQ parameters from RI-URBANS, including ultrafine particles, particle size distribution, black carbon, oxidative potential of PM, NH<sub>3</sub>, PM speciation and VOCs, among others. Thus, the DG-ENV base document [Systematic assessment of monitoring of other air pollutants not covered under Directives 2004/107/EC and 2008/50/EC: With a focus on ultrafine particles, black carbon/ elemental carbon, ammonia and methane in ambient air](#) states in page 16 that “..... contact was established to the project RI-URBANS, which aims at innovative urban air quality service tools, complementing existing air quality monitoring networks in selected cities, and providing innovative tools to better quantify the impact of atmospheric species most harmful to human health.”

Once we will have the guidance document for STs elaborated, we will organise in situ presentations to these international and national stakeholders.

Concerning both international and national, and SMEs stakeholders, the following meetings were organised (with links to the minutes):

- 30/05/2022: 1<sup>st</sup> stakeholder meeting (online) to establish the first contacts with stakeholders. Details and minutes of the meeting and the summary of the attendees can be found in the [specific section for this event in the Ri-URBANS' website](#).
- 23/02/2023: 2<sup>nd</sup> stakeholder (hybrid, face to face and online) in Warsaw to support upscaling the RI-URBANS/ACTRIS strategy for advanced AQ parameters in Poland. The minutes of the meeting and the summary of the attendees can be found in the [report of milestone M35](#).
- 19/06/2023: 3<sup>rd</sup> stakeholder (online) meeting of RI-URBANS was organized in collaboration with ACTRIS, Project in collaboration with ACTRIS, AQUILA and EMEP. The minutes of the meeting and the summary of the attendees can be found in the [report of milestone M42](#).
- 04/12/2023: Webinar Clearing the Air: Research Findings on New Additions to the EU AQD. The webinar can be reproduced online in the GD-SO website at: <https://projects.research-and-innovation.ec.europa.eu/en/strategy/strategy-2020-2024/environment-and-climate/european-green-deal/green-deal-projects-support/green-deal-resources/clearing-air-research-findings-new-additions-eu-air-quality-directive-proposal>

### 4. Further stakeholders' interactions

As planned in the proposal, in the end of 2024 and in 2025, once the RI-URBANS/ACTRIS guidebook for upscaling the STs for advanced AQ parameters will be available, national meetings will be carried out to present this to the national stakeholders.