

# Milestone M35 (M5.7)

Meeting with stakeholders regarding status and needs



**RI-URBANS**

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

**By  
UW**



***8<sup>th</sup> March 2023***

### Milestone M35 (M5.7): Meeting with stakeholders regarding status and needs

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<b>Work package (WP)</b>	WP5 Strategic guidance for upscaling RIURBANS STs
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<b>Comments</b>	This document provides a short description of the RI-URBANS Polish Stakeholder Meeting that took place in a hybrid format at the Institute of Geophysics, Faculty of Physics, University of Warsaw on 23 <sup>rd</sup> February 2023.

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## **1. About this document**

This document is describing the delivery of the Milestone M35 (M5.7) related to conducting RI-URBANS Polish Stakeholder Meeting, due M18 that took place in a hybrid format at the Institute of Geophysics, Faculty of Physics, University of Warsaw on 23<sup>rd</sup> February 2023.

This is a public document, available in the RI-URBANS website (<https://riurbans.eu/work-package-5/#milestones-wp5>). The document will be distributed to all RI-URBANS partners for their use and submitted to European Commission as an RI-URBANS milestone M35 (M5.7).

## **2. RI-URBANS Polish Stakeholder Meeting**

### **2.1 Meeting description**

The RI-URBANS Polish Stakeholder Meeting took place in a hybrid format at the Institute of Geophysics, Faculty of Physics, University of Warsaw on 23<sup>rd</sup> February 2023. The Polish stakeholders representing 23 institutions attended the meeting, including 16 institutions with representatives in person (20 persons) and 9 institutions online (11 persons). In addition to Polish stakeholders, in this meeting also 6 representatives of the RI-URBANS and the ATMO-ACCESS projects have participated (online) and 1 in person.

The meeting started at 9:15 am of the local time with the welcoming speech by Iwona Stachlewska, the co-leader of Task 5.4 in WP5 of RI-URBANS. She explained to the audience what the main goals of the meeting are and expressed the need for collaborative and complementary character of work between the key-players in relation to these goals in a consolidated way.

Directly afterwards, Xavier Querol Carceller, the coordinator of the RI-URBANS, presented online the main objectives of the project, including the key goal being linked to the health issues, to be researched within work in the core pillars of near-real-time (NRT)-Monitoring, Mapping, and Modelling, as serving for demonstration and upscaling exercises in different locations in Europe. Important part of his talk addressed the context of the Revision of the EU Ambient Air Quality Directives. Tuukka Petäjä, the co-coordinator of the RI-URBANS, added comments in relation of linking between the RI-URBANS research infrastructures (RIs) and other infrastructures e.g. ACTRIS (Aerosol, Clouds and Trace Gases Research Infrastructure), ICOS (Integrated Carbon Observation System). Michał Rybiński, Head of the Department of Innovation and Development at the Ministry of Education and Science (MEiN) of Poland commented on the initiative from the point of view of the geographical representativeness of RI-URBANS in the context of lacking sites in the Central-Eastern Europe. Xavier Querol explained in more details the concept of supersites and context of monitoring to provide relevant input for health and mortality assessments due to low air quality in urban areas.

After the questions to the presentation, at 10 am, the merit discussion (in Polish) has started. The majority of the representatives of Polish stakeholders have spoken and expressed their positions or their institutions. In general, the most important voice to be heard was this of the perspective of the Polish Chief Inspectorate of the Environmental Protection (CIEP). Barbara Toczko, Deputy Director of the Environmental Monitoring Department at CIEP, explained the specificity of the monitoring programme and operational differences from the observational networks run within research-based activities. Barbara also explained the legal workframe of the CIEP monitoring and its relations to activities of the Institute of Environmental Protection – National Research Institute (IEP-NRI). Krzysztof Skotak, Manager of the Comprehensive Environmental Monitoring Station at IEP-NRI highlighted the need of the high-quality, standardized data provision from monitoring purposes and as for input to modelling of air-

quality. Several representatives raised an important topic of the current direct financing of the obligatory monitoring activities and the likely need of co-financing if the monitoring should be extended to new variables. There were also important voices expressing the need for a good definition of the common goal and purpose of the state monitoring and the observational research infrastructure collaboration. There were voices expressing that there is obviously an interest in the data collected and reported to EU by CIEP but the usage of the data could be increased, especially by the scientific community. Łukasz Adamkiewicz, President of the European Clean Air Centre (ECAC), raised a crucial point on low visibility of the ACTRIS at the Polish national level. Wojciech Cyran, representing the Polish Space Agency, revealed on needs to use satellite data in the air-quality monitoring. An insight on, respectively, the atmospheric (high-tower) sites and the ecosystem sites planned to be included within ICOS development in Poland, was given by Jakub Bartyzel representing the University of Science and Technology (AGH), and Bogdan Chojnicki representing the University of Life Sciences (PULS). As there were also several comments of lack of knowledge of the access to data collected within the existing RIs. Thus, Iwona Stachlewska asked the participants to listen to the next talk that was partly addressing this topic.

At 11 am online presentation by Eleni Athanasopoulou, the organizer of the ATMO-ACCESS Trans-National-Access (TNA) activities for public authorities, was delivered. The aim of this talk was to show the possibilities offered with a particular emphasis on the new public authorities call that can be co-designed with them. The specifically focus on specific examples of the different types of the possible access to the ACTRIS and ICOS facilities all over Europe offered within the TNA of ACTRIS. After the talk, the discussion (in Polish) followed on both the main access pathways to the data, facilities, instrumentation, calibration services, and joint-research opportunities within TNA and non-TNA collaboration. It seems there was an interest in the co-designed call. This will need to be further elaborated.

Iwona Stachlewska, taking her role as the ACTRIS-PL Implementation Coordinator, apologised for not planning to show any presentation related to ACTRIS development in the country, which she saw of an importance only during the meeting. Thus, at 12:30 am she presented a concise, not-scheduled talk on the ACTRIS implementation, focusing on explanation of the main ACTRIS long-term goals, access pathways, financing, QA&QC procedures, geographical locations of the existing sites, etc. In this contest, she invited the participants to have a tour in the ACTRIS research facility in Warsaw available for TNA within the ATMO-ACCESS (Warsaw Observatory Station - WOS). Those tours were done in groups before and after lunch lead by Dominika Szczepanik and Lucja Janicka from UW.

In parallel, there was a vivid continuation of the previous discussion in the general forum, having a focus back on the RI-URBANS related activities at the national level. Specifically, Magdalena Reizer, representing the Warsaw University of Technology (PW) and Krzysztof Klejnowski, representing the Institute of Environmental Engineering of the Polish Academy of Science (IPIŚ-PAN) declared their willingness to support the preparation of the upscaling strategy for the Warsaw showcase in relation to the merit and technical aspects of such exercise to be completed for RI-URBANS. This strategy obviously will have to be supported with the standard observations of CIEP and IEP-NRI. Mariola Jabłonska, Director of the University Laboratories for Atmosphere Control at the University of Silesia (UŚ - ULKA) offered to provide her input in the context of the measurements with the instrumented mobile and airborne platforms.

From a more general point of view, majority of the participants expressed high interest in discussing among their institutions the aspects of the proposed changes in the Revision of the EU Ambient Air Quality Directives. They were very interested to obtain the document describing the ACTRIS and RI-URBANS projects response, comments and recommendations on the current, publicly available, directive revision proposal. Several participants expressed that a solid and community-agreed response from Poland would be very beneficial in this case.

The meeting was concluded with an expression of need to continue the established collaboration during follow up joint-meetings to be conducted on a regular basis. This would give a chance to the stakeholders to acquaint

themselves even better with the RI-URBANS and ATMO-ACCESS initiatives, which in long-term may result in a more direct collaboration between them. Iwona Jelonek, in her role of representative of the Marshal Office of the Silesian Voivodeship, expressed gratitude to be invited to attend the meeting and thanked all presenters and the participation stakeholders for performing such important work that can impact the decision-making process at the different levels.

Iwona Stachlewka ended the meeting at 15:00 pm by thanking all participants to take their time to attend the meeting, listen to the talks, share openly their views, express their needs and provide in overall an optimistic view towards the future collaboration.

After the meeting ended, Polish stakeholders' representatives were given a certificate of participation in the meeting.

On 28 February 2023, the material from the meeting (flyer, e-mail list, all meeting presentations) was distributed via e-mail to all meeting participants.

## **2.2 Participating institutions**

Below is the list of the institutions which representatives took part in the meeting.

20 participants of 16 Polish institutions attended the meeting onsite (i.e., face-to-face attendees) from:

1. Ministerstwo Edukacji i Nauki, Departament Innowacji i Rozwoju (MEiN)
2. Główny Inspektorat Ochrony Środowiska, Departament Monitoringu Środowiska (GIOŚ / *English*: CIEP)
3. Główny Inspektorat Ochrony Środowiska, Krajowe Laboratorium Referencyjne do spraw jakości powietrza (GIOŚ-KLR)
4. Instytut Ochrony Środowiska - PIB, Stacja Kompleksowego Monitoringu Środowiska "Puszcza Borecka" (IOŚ-SKMŚ / *English*: IEP-NRI)
5. Urząd Miasta Stołecznego Warszawy, Biuro Ochrony Powietrza i Polityki Klimatycznej (U.M.St. Warszawa BOPPK)
6. Urząd Miasta Stołecznego Warszawy, Biuro Strategii i Analiz (U.M.St. Warszawa BSA)
7. Europejskie Centrum Czystego Powietrza (ECAC)
8. Sejmik Śląski, Urząd Marszałkowski Województwa Śląskiego
9. Uniwersytet Warszawski, Centrum Współpracy i Dialogu (UW CWD)
10. Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie, Wydział Fizyki i Informatyki Stosowanej (AGH)
11. (ACTRIS-PL Konsorcjum Lider) Instytut Geofizyki Polskiej Akademii Nauk, Zakład Fizyki Atmosfery (IGF-PAN)
12. (ACTRIS-PL) Instytut Podstaw Inżynierii Środowiska Polskiej Akademii Nauk (IPIŚ-PAN)
13. (ACTRIS-PL) Uniwersytet Warszawski, Wydział Fizyki, Instytut Geofizyki (UW WF)
14. (ACTRIS-PL) Politechnika Warszawska, Wydział Instalacji Budowlanych, Hydrotechniki i Inżynierii Środowiska (PW)
15. (ACTRIS-PL) Uniwersytet Śląski w Katowicach, Wydział Nauk Przyrodniczych (UŚ)
16. (ACTRIS-PL) Uniwersytet Wrocławski, Instytut Geografii i Rozwoju Regionalnego (UWR)

11 participants of 9 Polish institutions attended the meeting online from:

1. Urząd Miasta Stołecznego Warszawy, Biuro Ochrony Powietrza i Polityki Klimatycznej (U.M.St. Warszawa BOPPK)
2. Urząd Miasta Lublin, Wydział Strategii i Przedsiębiorczości (UM Lublin)
3. Urząd Miasta Bydgoszczy, Referat Ochrony Powietrza (UM Bydgoszcz)

4. Polska Agencja Kosmiczna, Departament Obserwacji Ziemi (POLSA)
5. Instytut Ochrony Środowiska, Zakład Zintegrowanego Monitoringu Środowiska (IOŚ - ZZMŚ)
6. Instytut Rozwoju Terytorialnego (IRT)
7. Uniwersytet Wrocławski, Instytut Geografii i Rozwoju Regionalnego, Grupa Modelowania (UWR)
8. (ACTRIS-PL) Uniwersytet Przyrodniczy w Poznaniu, Wydział Inżynierii Środowiska i Inżynierii Mechanicznej (PULS)
9. (ACTRIS-PL) Instytut Meteorologii i Gospodarki Wodnej - Państwowy Instytut Badawczy (IMGW-PIB)

In this meeting 6 representatives of the RI-URBANS and the ATMO-ACCESS were present (online).

1. RI-URBANS:
  - Xavier Querol Carceller and Marta Monge Azemar, Spanish National Research Council (CSIC), Institute of Environmental Assessment and Water Research
  - Tuukka Petäjä, University of Helsinki, Institute for Atmospheric and Earth System Research (INAR)
2. ATMO\_ACCESS:
  - Eleni Athanasopoulou and Kyriakos Romios, National - National Observatory of Athens, Institute for Environmental Research & Sustainable Development
  - Ariane Dubost, CNRS-LAMP Université Clermont Auvergne (UCA)

The Polish Stakeholder Meeting was organized by the staff of the Institute of Geophysics of the Faculty of Physics at University of Warsaw. The Organizing Committee was composed of following members: Iwona Stachlewska (lead organizer), Katarzyna Dyl (meeting secretary), Lucja Janicka and Dominika Szczepanik (merit support), Dabrowka Stępniewska (logistics), Wojciech Kumala (technical support).

### **3. Summary of the outputs**

The meeting has been successfully conducted. The contacts between different Polish stakeholders have been strengthened, and a link was established with RI-URBANS. The understanding of the Research Infrastructure has been improved at national level. All relevant information has been disseminated to the meeting participants. The outcome of this meeting has been disseminated on the relevant websites.

## 4. Attachments

### 4.1 Flyer of the meeting



**RI-URBANS  
POLISH STAKEHOLDERS MEETING**

23 LUTEGO 2023, g. 9:00-15:00, Wydział Fizyki Uniwersytetu Warszawskiego, ul. L.Pasteura 5, IVp. sala B4.58

SPOTKANIE HYBRYDOWE (platforma Zoom, Identyfikator spotkania: 942 4154 8416, Kod dostępu: 882211)

Zanieczyszczenie powietrza – jeden z najważniejszych problemów środowiskowych na świecie, zarówno ze względu na wpływ na zdrowie człowieka, jak i udział w zmianach klimatu. Problem wymagający szczegółowych analiz zmienności jakości powietrza, z wykorzystaniem zaawansowanych metod badawczych, zaangażowaniem szerokiego grona interesariuszy i wspólnym budowaniem platformy wymiany wiedzy i danych.

Spotkanie ma na celu przedstawienie podmiotom zaangażowanym w pomiary jakości powietrza możliwości i korzyści, związanych z tzw. *upscalingiem* stacji pomiarowych zlokalizowanych w miastach, funkcjonujących w ramach rozproszonej infrastruktury badawczej Aerozoli, Chmur i Gazów Śladowych – ACTRIS. Proces ten umożliwiłby dostęp do istniejącej zaawansowanej infrastruktury badawczej, jako dopełnienie pomiarów realizowanych w ramach PMS.

**Program spotkania:**

9:00 -9:30 Powitanie  
Iwona Stachlewska - Koordynator rozwoju ACTRIS-IMP w Polsce

9:30-10:00 Projekt RI-URBANS w świetle rewizji Dyrektywy Unijnej dot. monitoringu jakości powietrza  
Xavier Querol - Koordynator RI-URBANS

10:00-11:00 Przerwa kawowa – dyskusja otwarta między zaproszonymi gośćmi

11:00-11:20 Dostęp do Infrastruktur Badawczych w ramach TNA pilotażu ATMO-ACCESS  
Eleni Athanasopoulou - Koordynator TNA skierowanego do administracji rządowej i samorządowej oraz PMS

11:30-12:00 Wizytacja istniejącej infrastruktury badawczej w Warszawie (ACTRIS National Facility)  
wyposażonej w najnowocześniejsze przyrządy do pomiarów aerozoli i chmur w Europie Środkowo-Wschodniej

13:00-15:00 Obiad (rozmowy kulturalowe)

RI-URBANS <https://riurbans.eu>, ACTRIS <https://www.actris.eu>, ATMO-ACCESS <https://www.atmo-access.eu>

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PROJEKT RI-URBANS UZYSKAŁ DOFINANSOWANIE W RAMACH PROGRAMU HORYZONT 2020 (Grant no. 101036245)





#### 4.2 List of participants.

No.	Name	Surname	Institution
1	Łukasz	Adamkiewicz	Europejskie Centrum Czystego Powietrza
2	Eleni	Athanasopoulou	National Observatory of Athens
3	Jakub	Bartyzel	Akademia Górniczo-Hutnicza w Krakowie
4	Ewelina	Brakoniecka	Główny Inspektorat Ochrony Środowiska, Departament Monitoringu Środowiska
5	Bogdan	Chojnicki	Uniwersytet Przyrodniczy w Poznaniu
6	Wojciech	Cyran	Polska Agencja Kosmiczna, Departament Obserwacji Ziemi
7	Anna	Degórska	Instytut Ochrony Środowiska - PIB, Stacja Kompleksowego Monitoringu Środowiska "Puszcza Borecka"
8	Ewa	Denisiuk	Urząd Miasta st. Warszawy, Biuro Strategii i Analiz
9	Anetta	Drzeniecka-Osiadacz	Uniwersytet Wrocławski
10	Ariane	Dubost	Université Clermont Auvergne
11	Mariola	Jabłońska	Uniwersytet Śląski w Katowicach
12	Iwona	Jelonek	Sejmik Śląski, Urząd Marszałkowski Województwa Śląskiego
13	Łukasz	Karpiński	Urząd Miasta Bydgoszczy, Referent Ochrony Powietrza
14	Krzysztof	Klejnowski	Instytut Podstaw Inżynierii Środowiska Polskiej Akademii Nauk w Zabrze
15	Maciej	Kryza	Uniwersytet Wrocławski
16	Szymon	Malinowski	Uniwersytet Warszawski
17	Marta	Monge Azemar	Spanish National Research Council
18	Justyna	Niewiarowicz	Urząd M. St. Warszawy, Biuro Ochrony Powietrza i Polityki Klimatycznej
19	Leszek	Ośródk	Instytut Meteorologii i Gospodarki Wodnej - PIB
20	Anna	Pastucha	Instytut Rozwoju Terytorialnego
21	Tuukka	Petäjä	Univeristy of Helsinki
22	Aleksander	Pietruczuk	Instytut Geofizyki Polskiej Akademii Nauk
23	Andrzej	Pindel	Główny Inspektorat Ochrony Środowiska, Krajowe Laboratorium Referencyjne do spraw jakości powietrza
24	Patryk	Poczta	Uniwersytet Przyrodniczy w Poznaniu
25	Xavier	Querol Carceller	Spanish National Research Council
26	Magdalena	Reizer	Politechnika Warszawska
27	Kyriakos	Romios	National Observatory of Athens
28	Michał	Rybiński	Ministerstwo Edukacji i Nauki, Departament Innowacji i Rozwoju
29	Krzysztof	Skotak	Instytut Ochrony Środowiska - PIB, Stacja Kompleksowego Monitoringu Środowiska "Puszcza Borecka"
30	Iwona	Stachlewska	Uniwersytet Warszawski
31	Marcin	Syrzycki	Instytut Ochrony Środowiska, Zakład Zintegrowanego Monitoringu Środowiska
32	Artur	Szkop	Instytut Geofizyki Polskiej Akademii Nauk
33	Jacek	Szolcman	Uniwersytet Warszawski, Centrum Współpracy i Dialogu
34	Barbara	Toczko	Główny Inspektorat Ochrony Środowiska, Departament Monitoringu Środowiska
35	Małgorzata	Werner	Uniwersytet Wrocławski
36	Dorota	Wolińska	Urząd Miasta Lublin, Wydział Strategii i Przedsiębiorczości
37	Maria	Zalewska	Urząd M. St. Warszawy, Biuro Ochrony Powietrza i Polityki Klimatycznej

4.3 Photos taken during the meeting.

