



# Deliverable D35 (D5.1)

RI-URBANS Data management plan (preliminary)



# **RI-URBANS**

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









## Deliverable D35 (D5.1): RI-URBANS Data management plan (preliminary)

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Lead beneficiary	NILU		
Deliverable type	R (document, report)		
	<ul><li>□ DEC (websites, patent filings, videos,)</li><li>□ Other: ORDP (open research data pilot)</li></ul>		
Dissemination level	PU (public)  CO (confidential, only members of consortium and European Commission))		
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Accepted by	RI-URBANS Project Coordination Team		
Comments	Report describing the Data Management Plan (DMP), the tools used and the process of creating the content of RI-URBANS		

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#### 1. About this document

This document describes the Data Management Plan (DMP), the tools used and the process of creating the content of RI-URBANS (Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial AreaS, Horizon-2020 GD project #101036245). This is a public document that will be distributed to all RI-URBANS partners for their use and submitted to European Commission as an RI-URBANS deliverable D35 (D5.1). This document can be downloaded at <a href="https://riurbans.eu/work-package-5/#deliverables-wp5">https://riurbans.eu/work-package-5/#deliverables-wp5</a>.

#### 2. Introduction

The RI-URBANS project is collecting data from several sources, covering observational data (nanoparticles and atmospheric particulate matter, their sizes, constituents, sources, and gaseous precursors) and secondary data products from epidemiological studies.

Due to the non-uniform character of the data, the DMP will describe a larger number of different datasets and repositories. These datasets and repositories all have different procedures for data management. The RI-URBANS DMP will describe how the data is managed during and after the project is ended. The DMP is considered a "living" document and will be continuously updated throughout the project. Deliverable D35 (D5.1) will be the first version of the DMP, and the content is expected to change throughout the project. Official versions of the DMP will be released also in M18 and M42.

The DMP was created on the ARGOS platform by OpenAIRE and EUDAT (<a href="https://argos.openaire.eu">https://argos.openaire.eu</a>) using the Horizon 2020 template (<a href="https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management en.htm">https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management en.htm</a>).

#### 3. The RI-URBANS Landscape Analysis

Before creating the DMP, a Landscape Analysis was conducted to investigate the scope of the measurements and the epidemiological studies in the project. In addition, we were able to identify the people responsible for the different measurements and studies, so that they could contribute to describing the procedures for handling the data.

The Landscape analysis started with a questionnaire (<u>Appendix 1</u>) and a subsequent analysis of the results (<u>Appendix 2</u>).

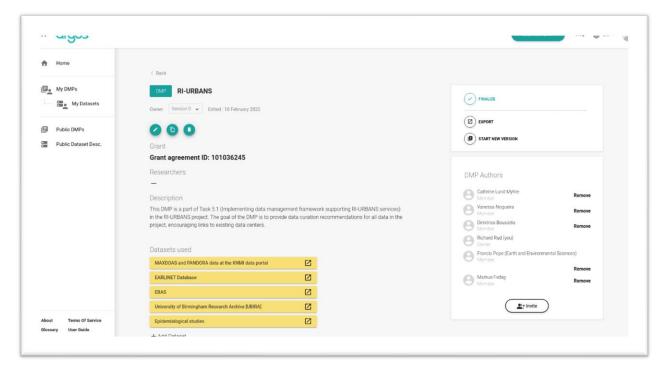
The Landscape Analysis was conducted during December 2021, and results were analysed in January 2022 as a starting point for finding out what types of data should be described in the DMP.

#### 4. The ARGOS platform

Argos is a platform for creating DMPs. It is open and free for everyone to use and created by OpenAIRE and EUDAT. The platform makes it possible to select a specific template for the DMP and then invite others in the project to describe how they plan to manage their data during the project.

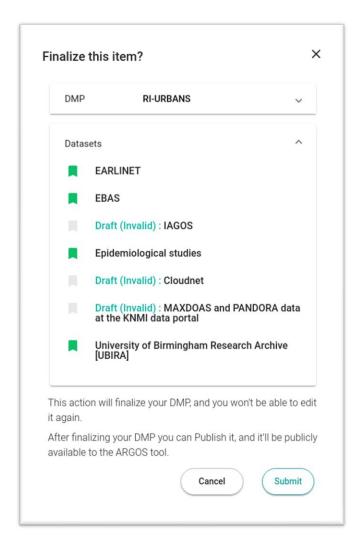
The content of the DMP can be published so that it is openly available to others.

The DMPs can also be exported in different formats including PDF, Word Document, XML and RDA JSON. Since the tool is using the DMP common standard (<a href="https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard">https://github.com/RDA-DMP-Common-Standard</a>), it allows for import and export of DMP's and migration between different tools that follow the same standard.



Landing-Page of the DMP

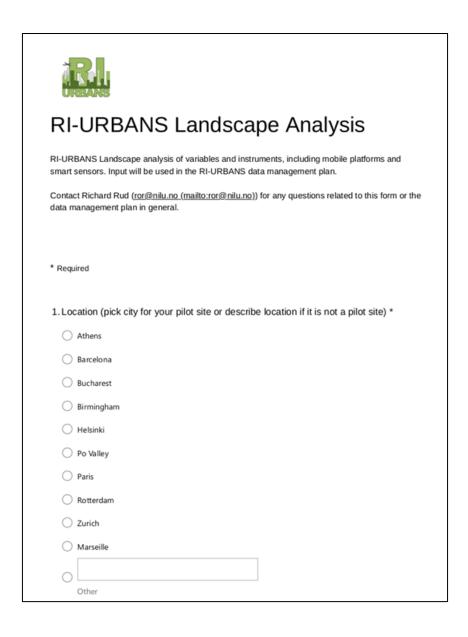
This deliverable contains the preliminary version of the RI-URBANS DMP. As illustrated below, multiple datasets are in "draft mode" since many of the technical details are not yet settled. Version 0 of the DMP is publicly available here: <a href="https://argos.openaire.eu/explore-plans/publicOverview/ba44d55c-78d6-4e4d-b89c-4be616d149df">https://argos.openaire.eu/explore-plans/publicOverview/ba44d55c-78d6-4e4d-b89c-4be616d149df</a>



Datasets in "draft mode"

#### 5. Appendix

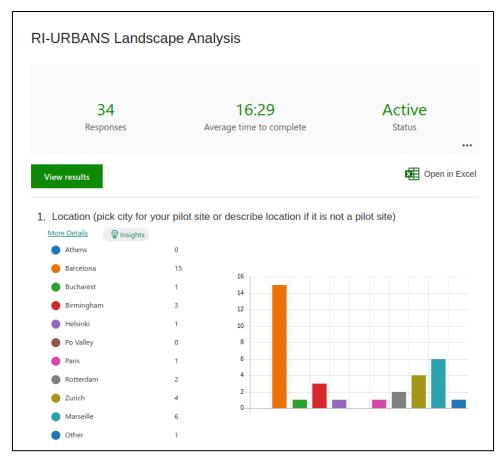
### 5.1 Appendix 1: Survey

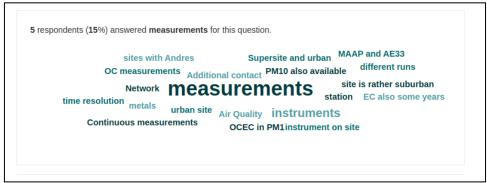


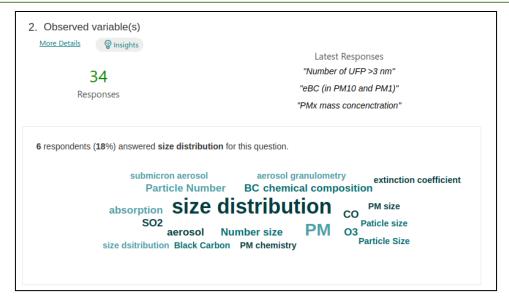
	1
2. Observed variable(s) *	7. Time
3. Platform type *	
Stationary	8. Conta
Mobile	
Other	
	9. Affiliat
A Channellan assessment	
4. Observation geometry *	
Remote sensing from ground	
○ In Situ	
Microsensor	10. Email
Other	
5. Instrument type (The instrument type refers to the measurement principle, not an	11. Other
individual manufacturer or model) *	
6. Time period *	
Campaign	1 1
Campaign  Continuous (Long term measurements at URBAN supersites)	

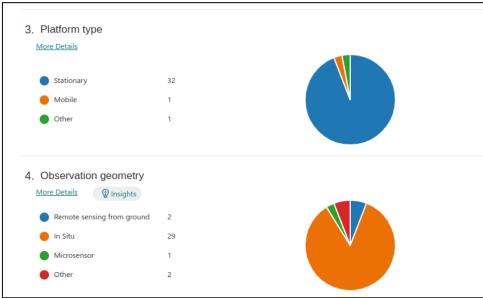
B. Contact p	person (first name	e, last name) '	ŧ	
9. Affiliation	*			
0. Email *				
1. Other rele	evant details *			

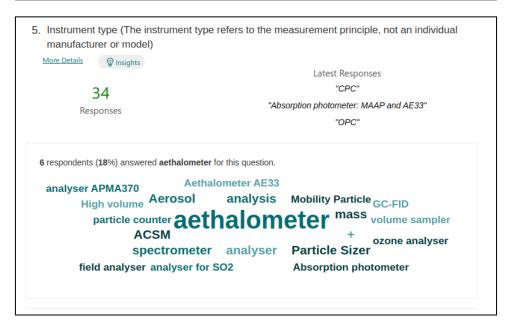
#### 5.2 Appendix 2: Results



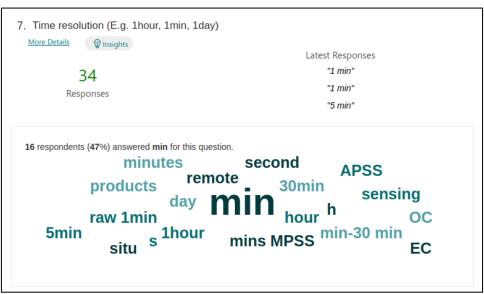


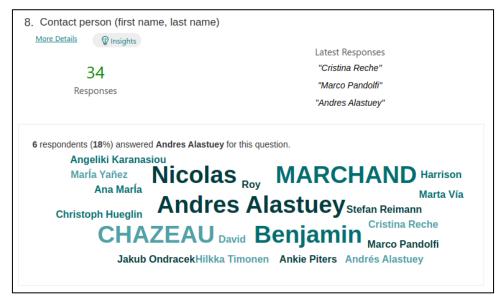


















#### 5.3 Appendix 3: RI-URBRANS Data Management Plan (DMP)

https://argos.openaire.eu/explore-plans/publicOverview/ba44d55c-78d6-4e4d-b89c-4be616d149df

