Deliverable D43 (D5.9)

RI-URBANS Data management plan (update)

RI-URBANS

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

By

NILU

28ᵗʰ March 2023

Deliverable D43 (D5.9): RI-URBANS Data management plan (update)

Authors: Richard Rud (NILU), Cathrine Lund Myhre (NILU), Markus Fiebig (NILU), Wenche Aas (NILU) & Yong Lin (NILU)

Work package (WP)	WP5 / Strategic guidance for upscaling RIURBANS STs
Deliverable	D43 (D5.9)
Lead beneficiary	NILU
Deliverable type	■ R (document, report) ☐ DEC (websites, patent filings, videos,….) ☐ Other: ORDP (open research data pilot)
Dissemination level	■ PU (public) ☐ CO (confidential, only members of consortium and European Commission))
Estimated delivery deadline	M18 (31/03/2023)
Actual delivery deadline	28/03/2023
Version	Final
Reviewed by	WP5 leaders
Accepted by	RI-URBANS Project Coordination Team
Comments	This document describes the updated version of the Data Management Plan (DMP), the tools used and the process of creating the content of RI-URBANS

Table of Contents

1. About this document

This document describes the updated version of 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 D43 (D5.9). This document can be downloaded at https://riurbans.eu/work-package-5/#deliverables-wp5 and it is the updated version of the previous DMP, Deliverable D35 (D5.1)

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 describes a large 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 this is the updated version of the previous DMP, Deliverable D35 (D5.1) This version will be the second version of the DMP, and the content is expected to change throughout the project. A final version of the the DMP will be released in M42.

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

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 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.

In 2023, the landscape analysis was extended to include the measurements listed in deliverable Deliverable D1 (D1.1) "Guidelines, datasets of non-regulated pollutants incl. metadata, methods"

The latest version of landscape analysis can be found here: https://folk.nilu.no/~richard/ri-urbans-d43/RI-URBANS_Landscape_Analysis_WP5_2023-03-01.xlsx

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 (https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard), it allows for import and export of DMP's and migration between different tools following the same standard.

This deliverable contains the update version of the RI-URBANS DMP (Version 1) available here: https://argos.openaire.eu/explore-plans/publicOverview/5304c6fb-389c-4861-b55e-3fc62e49ef3f

The first version of the DMP (Version 0) is publicly available here: https://argos.openaire.eu/explore-plans/publicOverview/ba44d55c-78d6-4e4d-b89c-4be616d149df