

<b>Guideline:</b>	<i>Standard operating procedure for minimal exposome data exchange for the ARPAB.</i>
-------------------	---

Dataset Name (acronym):	Regional Agency for the Protection of the Environment of Basilicata (ARPAB)
Description of the Dataset:	<p>The ARPAB carries out the technical-scientific activities connected to the exercise of public functions for the protection of the environment referred to in article 1 of the legislative decree of 4 December 1993, n. 496, converted, with amendments, by law 21 January 1994, n. 61 (Urgent provisions on the reorganization of environmental controls and establishment of the national ARPAB for the protection of the environment) and as indicated in L. R. n.1 of 20 January 2020 ss.mm.ii: Reorganization of the regulations of the Regional Protection Agency of the Environment of Basilicata (A.R.P.A.B.)</p> <p><a href="https://www.arpab.it/arpab/wp-content/uploads/2023/10/1476.pdf">https://www.arpab.it/arpab/wp-content/uploads/2023/10/1476.pdf</a></p> <p>The mandatory institutional activities are those defined in the LEPTA (Essential Levels of Environmental Technical Performance) and present in the national Catalog of Services and Performances of the SNPA (national system for environmental prevention).</p> <p><a href="https://www.snpambiente.it/chi-siamo/atti-fondamentali/catalogo-nazionale-dei-servizi-e-prestazioni-snpa/">https://www.snpambiente.it/chi-siamo/atti-fondamentali/catalogo-nazionale-dei-servizi-e-prestazioni-snpa/</a></p>
Data Type(s):	Exposome
EOSC4Cancer Use Case:	T4.1
SOP contact person: (name, institution, email)	Concetta Ambrosino (coambros@unisannio.it)
Date:	<b>19/12/2023</b>

## A. Purpose

This SOP describes the steps required for exposome data from ARPAB to be accessed and used by researchers in the context of the EOSC4Cancer project and beyond. Based on this information, we will define and suggest broader guidelines for data exchange within and beyond the EOSC4Cancer project. Below you will find an overview of the data models, ontology, vocabulary and dictionaries used by the dataset. Furthermore, data access procedures are described step-by-step.

**B. Data Models and ontology, vocabulary, dictionaries**

Exposome	Name	Description	References	Is this a standard?	Available conversions for harmonization
<b>Data Models</b>	Air	The monitoring and assessment of the state of air quality is aimed at supporting the implementation of environmental policies to prevent or reduce any harmful effects on the environment and health due to air pollution. Assessments at regional, national and/or European level are effective when they are based on accurate, reliable and comparable and compatible measurement data. For this reason, regulatory measures such as Legislative Decree 155/2010 transposing Directive 2008/50/EC, as amended by Legislative Decree No. 250/2012, have established the measurement methods to be	<a href="https://www.arpab.it/temi-ambientali/aria/">https://www.arpab.it/temi-ambientali/aria/</a>	yes	

		<p>used in air quality monitoring and their quality objectives together with a series of requirements and activities to control and ensure the quality and comparability of the data produced by monitoring networks. An indicator is developed, the air quality index (IQA), which describes in a simple and concise way the state of the atmospheric environment, correlating air quality to health risk levels Human. The air quality index is the system proposed by the American Environmental Protection Agency - EPA. PM10, NO2 and O3 are included in the calculation of the index.</p>			
	water	<p>Water is a great asset to be protected. Water monitoring is regulated by the European Directive 2000/60 EC, which establishes a framework for community action in the field of water, in order to protect internal surface waters, groundwater and marine-coastal waters.</p>	<a href="https://www.arpa.it/temi-ambientali/acqua/">https://www.arpa.it/temi-ambientali/acqua/</a>	yes	

	soil and waste		<a href="https://www.arpaab.it/temi-ambientali/suolo-e-rifiuti/">https://www.arpaab.it/temi-ambientali/suolo-e-rifiuti/</a>	yes	
	Industrial risks	Reference legislation Legislative Decree 26 June 2015, n. 105	<a href="https://www.arpaab.it/temi-ambientali/rischi-industriali/">https://www.arpaab.it/temi-ambientali/rischi-industriali/</a>		
<b>Vocabularies/ Ontology</b>	NA				
<b>Dictionaries/ Codebooks</b>	Exposome Maps inventory	Description of available variables in the Exposome Surfaces	<a href="#">Link to the inventory on EOSC4Cancer folder</a>		
<b>Formats</b>	csv				
	pdf				

### C. Description of the data exchange process

Step	Action	Responsible (Name, email)	Link	Estimated time
1	Data is downloaded from the Agency's open data by accessing the link provided.			