

OUTPUT FACT SHEET

Decision Support System

Version 2

Project index number and acronym	CE 1226 AWAIR
Output number and title	O.T2.4 - Tools to support decisions in case of SAPes
Responsible partner (PP name and number)	PP05 UMK, Katowice City Hall
Project website	https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html
Delivery date	02.2021

Summary description of the key features of the tool (developed and/or implemented) and of its transnational added value

The city of Katowice, as part of its information and mitigation activities, introduced a number of activities related to the improvement of the existing so-called Short-term actions. The ad hoc measures are related to the "Short-term Action Plan", which, depending on the air quality, introduces appropriate levels of short term action plan (from I to III) in the Silesian region, where the city of Katowice is located, and obliges subordinate units to take levels of information and operational activities.

The DSS (Decision Support System) structure is a centralized structure based on an action matrix developed for the needs of short term action plan. Information on the change in level is provided by the Regional Crisis Management Centre on the basis of information provided by the Chief Inspectorate of Environmental Protection (GIOŚ). The message contains, among others, the following information:

- Current information on the state of air quality as of the date of sending the message
- Forecasted air quality for the next day. In the case of a message posted on Thursday / Friday, information about the air quality status for the weekend is provided.
- The zone which may be exceeded
- Air quality index for a given zone depending on the selected parameter.

During the heating season (from 15/09 to 15/05 of each year), the managers of institutions where children, elderly people, pregnant women, sick people and people with weakened immunity are obliged to check the current concentrations of air pollutants directly on the website maintained by the Chief Inspector of Environmental Protection

NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

PL22A Katowicki (City of Katowice)

Expected impact and benefits of the tool for the concerned territories and target groups

The strengths of the DSS in Katowice are established structure and organization of activities, a large number of entities that receive information, which translates into a large range of notified residents, including sensitive groups, information channels with a large local reach, a large number of information activities. System helps to spread information on the current air quality and smoke alerts on the local level.

Sustainability of the tool and its transferability to other territories and stakeholders

It is planned to develop a notification system about sending messages to addressees directly from the PDK module in the air quality monitoring system and to place information on the current PDK level on presentations displayed on air quality monitors.

It is important to improve the efficiency of the system to improve the air quality information and alert system at the regional level. On the city level system should expand by installing new information points (screens) in more public buildings.

The DSS system and matrix can be freely used in other cities in the Katowice FUA (Functional Urban Areas) and Silesia Region, because of common regional act in force "Air protection Program".

References to relevant deliverables and web-links

If applicable, pictures or images to be provided as annex

Most related deliverables are:

deliverables 2.2.3-5 (pilot action) <https://www.interreg-central.eu/Content.Node/AWAIR/O.T2.1-UMK-final.pdf>

deliverables 2.2.4, (Forecasting System), <https://www.interreg-central.eu/Content.Node/AWAIR/O.T2.3-UMK-forecasting-Final.pdf>

deliverable 2.2.5 (Decision Support System), <https://www.interreg-central.eu/Content.Node/AWAIR/O.T.2.4-DSS-UMK-Final.pdf>

2.2.6 assessment of effectiveness for M&A <https://www.interreg-central.eu/Content.Node/AWAIR/KATOWICE-operational-plans.pdf>

2.2.8 (joint pilot action in schools),

3.1.2, 3.1.3 trainings for stakeholders. <https://www.interreg-central.eu/Content.Node/AWAIR/Output-factsheet-OT3.3-Stakeh-UMK-final.pdf>

<https://www.interreg-central.eu/Content.Node/AWAIR/Output-factsheet-OT3.3-Admin-UMK-final.pdf>