

OUTPUT FACT SHEET

Tools

Version 2

Project index number and acronym	CE1226 AWAIR
Output number and title	OT2.4 Tools to support decisions in case of SAPEs
Responsible partner (PP name and number)	PP3 Municipality of Parma
Project website	https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html
Delivery date	February 2021

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

Starting from the centralized system implemented by the Emilia-Romagna Region, based on emission of a bulletin by Regional Agency for Prevention and Environment (Arpa) containing measures to activate in case of alert, a protocol was developed. The document named “People Exposure reduction protocol in case of SAPE” was prepared with local advisors, taking in consideration the regional system and discussing with the multilevel table with stakeholders. The main objectives were:

- to define a protocol in order to improve the management system of SAPEs
- to build a prompt system for administrators to inform vulnerable people on SAPEs by identifying the most efficient means of communication for each category, taking into consideration: average technological knowledge, mostly visited places, database availabilities;
- to define additional tools needed to promptly carry out the communication

The working methodology applied required the following steps:

- analysis of the state of the art of the system already in place to manage the severe events and their communication to the vulnerable groups;
- scouting of the experiences, even at international level, in decisional supporting systems (DSS) and real-time communication tools of severe events to vulnerable citizens;
- analysis of possible improvements in terms of communication time for reduction of the exposure levels;
- definition of a more efficient communication protocol and more appropriate tools of severe event communication to vulnerable citizens and the rest of the population.

To promptly inform people, the suggestion was to communicate air quality level forecasted and eventually below the thresholds, and improve the system based on 3 days of exceedances of PM10.

Recently the regional approach has been updated. The bulletin is now delivered each Monday, Wednesday and Friday in the morning with the next days considered alert days if PM10 concentration values forecasted are above the EU daily PM10 limit value (50 mg/m3).

To achieve the objectives above mentioned, it is critical to have the coordination between different departments, not only Environment office, but also for example Mobility, Press office, Welfare and School Services.

The coordination among different municipal departments allowed filling in a database of contact list to improve the communication on SAPEs. The contact list will have to be available to all Team members through a sharing tool provided by the Municipality. Each Team member can modify the contact list. The list structure can be broadened with additional fields that are considered required.

The approach is implementable in other municipalities.

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

NUTS 0: IT	ITALY
NUTS 1: ITH	Nord-Est
NUTS 2: ITH5	Emilia-Romagna
NUTS 3: ITH52	Parma

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

The Decision Support System (DSS) is first of all a tool for administrators. The improving approach identified has been on the prompt communication of the PM10 forecasted exceedances. Recently, it has been adopted from the Regional Institution.

One of the main points highlighted from the existing system is the alert about SAPEs, which is wide-range and it is not targeted to a specific population. Typically, all the subjects that need to move using private means of transportation appear to be more careful about the communication since they need to verify the existence of additional traffic limitation. Unfortunately, those are mainly composed by the less vulnerable population.

Therefore, we expect to obtain more coordination in the communication of SAPEs and of the emergency measures, through the identification of new vectors of information and list of contacts. In this way, we expect to increase the number of vulnerable people reached.

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

The document about the DSS could be implemented in the future by the Parma Municipality, but also by the municipalities of the FUA.

The prevention-based approach is one of the key points of the project. Therefore, the readiness of the actions put in place can lead to significant benefits to all the stakeholders and particularly to the more vulnerable groups of the population.

Based on this structure, it is possible to imagine other versions of the DSS which could be targeted to specific groups, for instance stakeholders who need to take decisions about behavior changes: sport practitioners, schools.

References to relevant deliverables and web-links

If applicable, pictures or images to be provided as annex

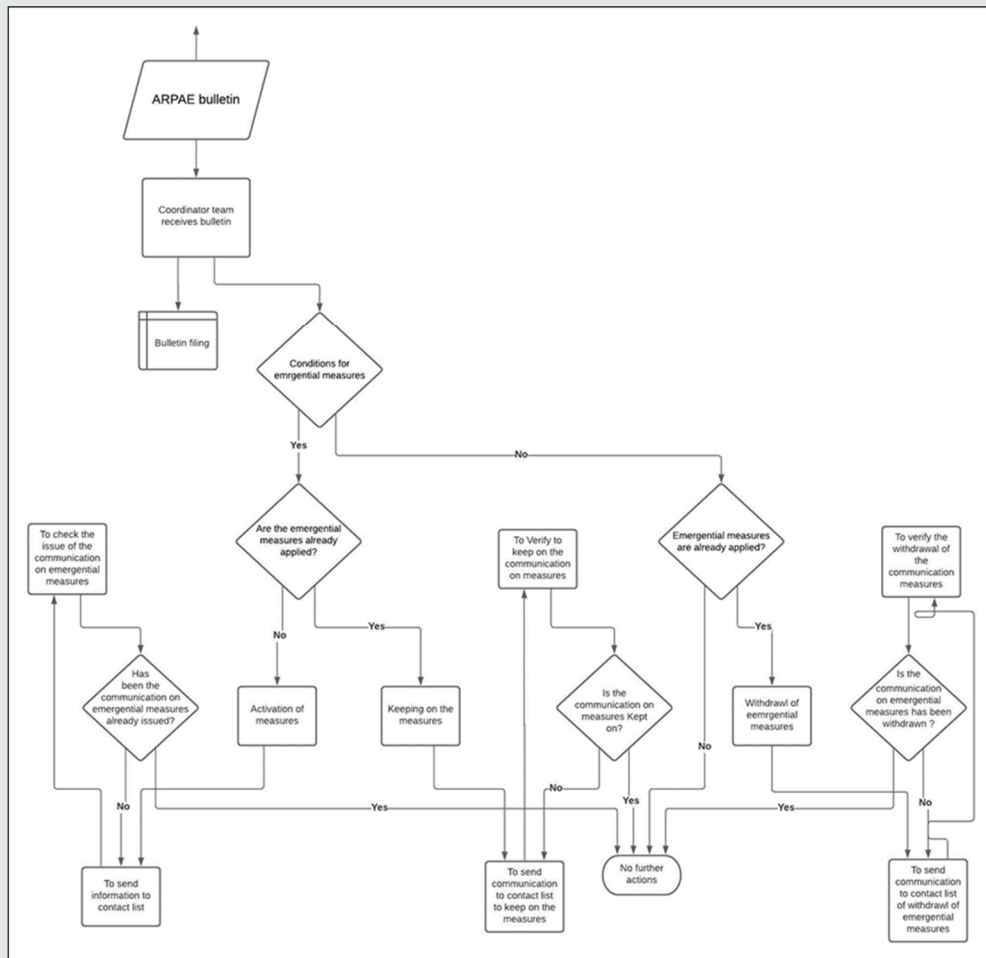
The main related document is Deliverable D.T2.2.5 - AWAIR Decision Support System with the “D.T2.2.5 Annex DSS PARMA”. It describes the DSS of the 3 FUA Parma, Katowice and Zuglo.

This output is published on the project website:

<https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html>

Communication tool	Target population involved	Preliminary actions	Contact management
Exemple: sms ALERT	All the citizens who voluntarily adhere to the platform	Log-in to the specific platform (it is needed a preliminary advertising campaing on the main means of communication to inform about the messaging service)	Telephone number list of those citizens who voluntarily adhere to the platform
...

Exemple of Table with different communication tools



Parma DSS Flow Chart (People Exposure reduction protocol in case of SAPE , Ambiter srl 2021)