OUTPUT FACT SHEET

Tools O.T.2.3

Final version

Project index number and acronym	CE1226 - AWAIR
Output number and title	O.T 2.3 AWAIR-APP created to inform local health instit&/or nurseries/schools/citizens
Responsible partner (PP name and number)	Helmholtz Zentrum München – German Research Center for Environmental Health (GmbH), PP8
Project website	AWAIR Project - Interreg (interreg-central.eu) https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html
Delivery date	28.02.2021

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

Ambient air pollution is still an unsolved problem. Some areas suffer from severe air pollution episodes, during which the ambient air pollution can get extremely high.
The INTERREG SAPEs App has the following purposes:

- Better communication with citizens during Severe Air Pollution Episodes
- Greater protection of the health of citizens during Severe Air Pollution Episodes
- Focus on susceptible groups
- Improvement of environmental management capacities to cope with Severe Air Pollution Episodes.

The app provides the users with the current air pollution level for a selected area in one of the three functional urban areas: Katowice (Poland), Parma (Italy) and Zugló, Budapest (Hungary). In addition, the forecast for the next day is shown. The air pollution level is put into context and information is given on what the users personally can do for their health and to reduce the current air pollution level. The App also focuses on susceptible groups such as pregnant women, children, elderly and people with chronic diseases.
In short, the Interreg SAPEs App will

- warn citizens in case of severe air pollution episodes
- raise the awareness for the impacts of air quality on health
- increase the general knowledge on air quality
- prompt changes in attitude and behavior in citizens and stakeholders

The content of the app was developed in close collaboration with all the AWAIR partners. The app can be used in the three included FUAs and is available in the local languages as well as in English. It can easily be extended to other cities or regions if air pollution data are available.
The tool has been tested extensively by the different partners and is available now in the play stores for both Android and Apple phones (Interreg SAPEs). It could be also downloaded directly from the AWAIR project website: https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html

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

The app was developed for

- Katowice, Poland,
- NUTS 3: ITH52 Parma (Italy)
- Zugló, Budapest, Hungary

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

We expect a greater awareness of the citizens of the three functional urban areas regarding their local ambient air pollution and what this means for their health. We expect that this awareness in combination with the information on mitigation measures, in the long run, leads to a reduction in air pollution.
Citizens of the three functional urban areas now have a useful tool at hand to get information on the current level of air pollution closest to their home. In addition, they know what actions to take to protect themselves and avoid creating additional air pollution.
This app was created for citizens for their personal use.

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

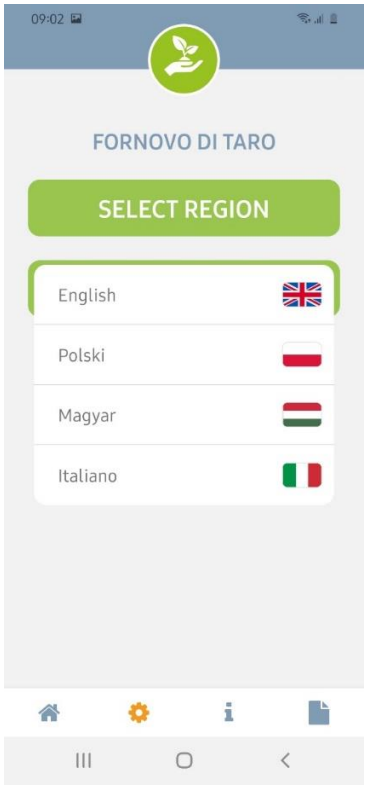
The App will be maintained and supported for another two years after the end of the project. After this period, it is expected to run for an additional few years without maintenance, given that the forecasting systems remain stable and there are no major updates by google or apple.
The app can comparatively easily be extended to other cities if air pollution data for this area are available for the current and the next day on a regular basis and in a standard format. In addition, this app could be extended to include also ambient temperature and heat warnings, or even a combination of both if air pollution and outdoor temperatures are high.
Especially susceptible groups can benefit from this app, such as interest groups of chronically diseased people but also teachers for small children who could plan outdoor or indoor activities according to the current air pollution levels.
The time for the technical procedure of testing and implementing an app should not be underestimated.

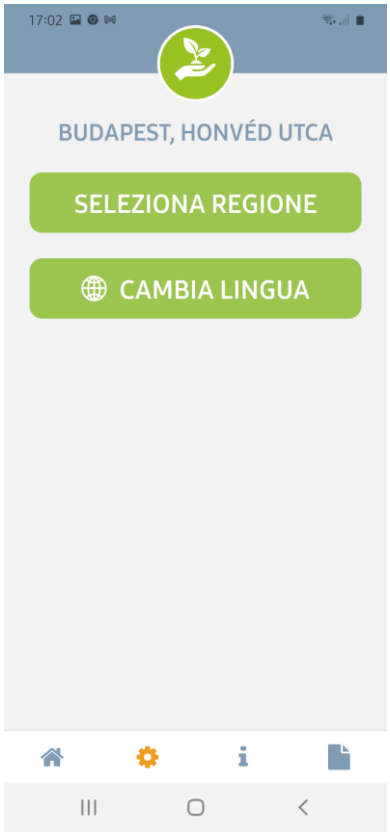
References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

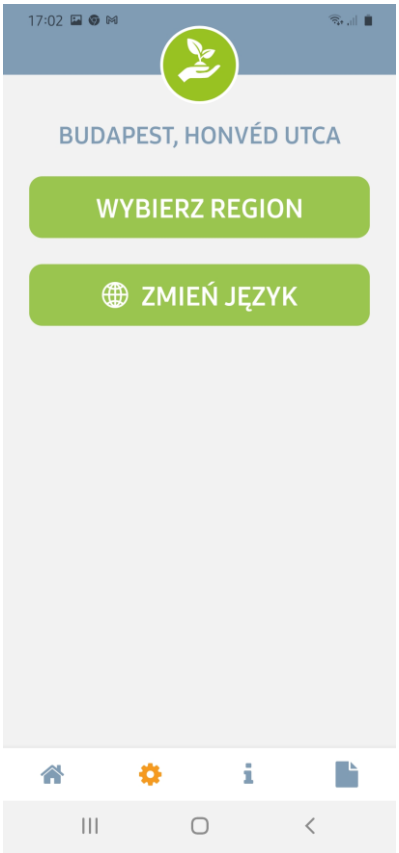
The relevant reference documents are:

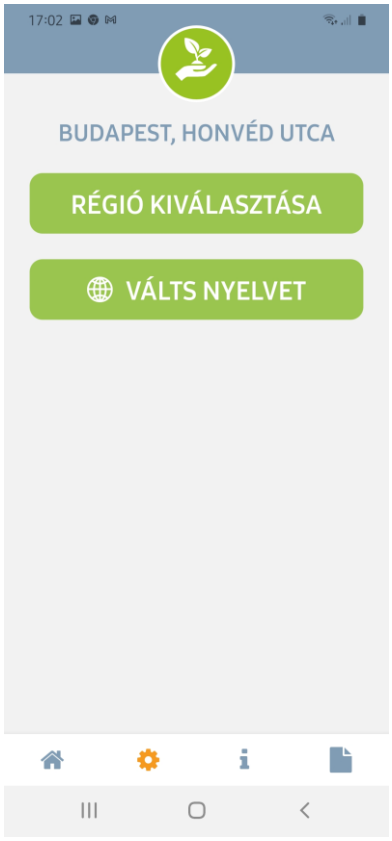
- Presentation of the INTERREG SAPEs APP at the final conference:
  https://www.interreg-central.eu/Content.Node/AWAIR/AWAIR.html (AWAIR NEWS)
  https://www.youtube.com/watch?v=X3DoJ42B-0c (time 1:19)
- Screenshots of the App added below


09:02
FORNOVO DI TARO
SELECT REGION
CHANGE LANGUAGE


09:02
FORNOVO DI TARO
SELECT REGION
English
Polski
Magyar
Italiano

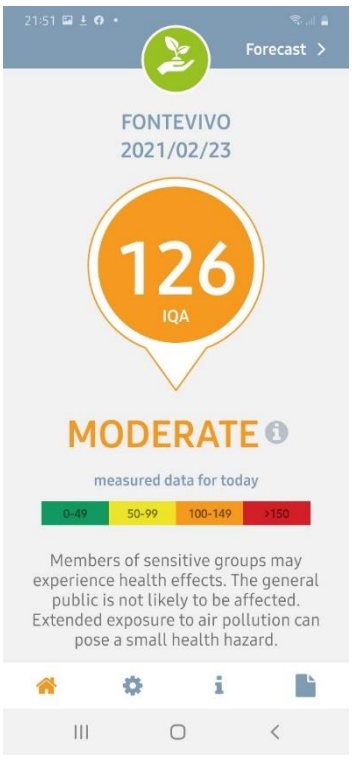

17:02
BUDAPEST, HONVÉD UTCA
SELEZIONA REGIONE
CAMBIA LINGUA

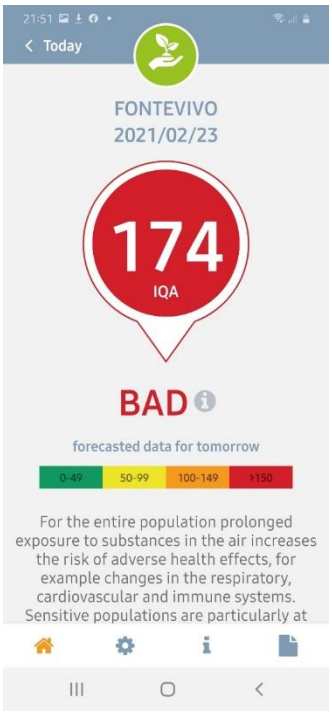

17:02
BUDAPEST, HONVÉD UTCA
WYBIERZ REGION
ZMIEŃ JĘZYK

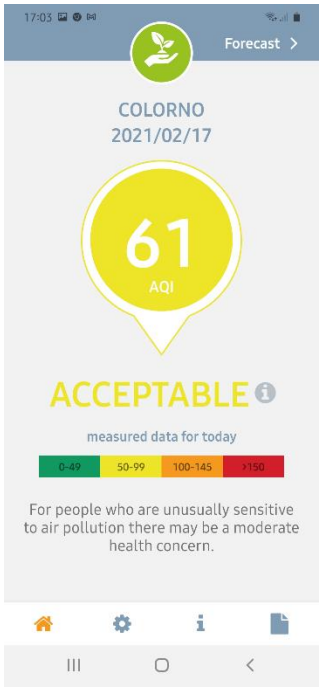

17:02
BUDAPEST, HONVÉD UTCA
RÉGIÓ KIVÁLASZTÁSA
VÁLTS NYELVET

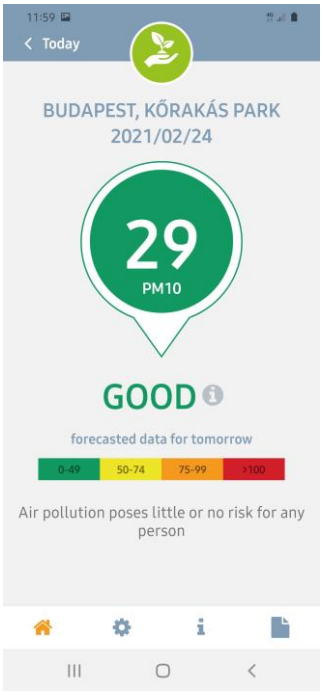

10:20
PARMA
SELECT AREA
FORNOVO DI TARO

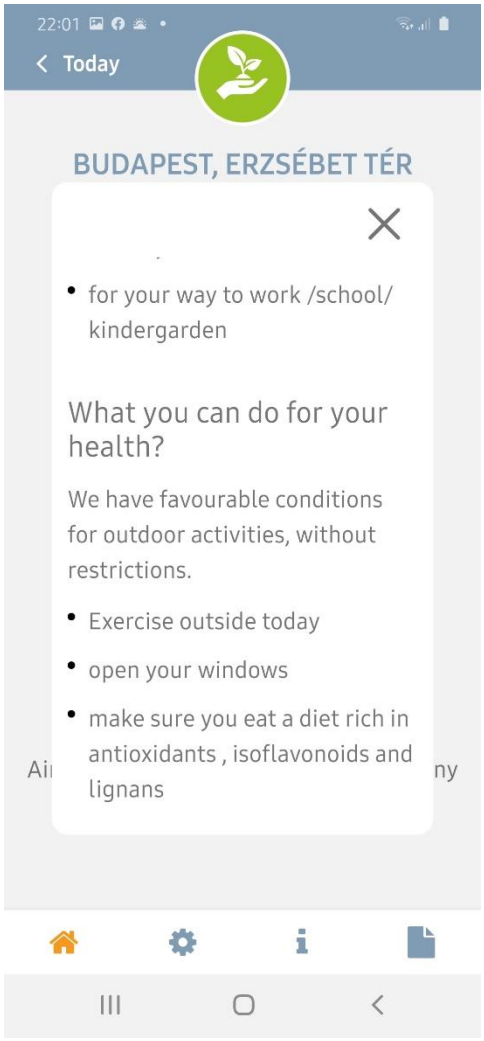

10:22
PARMA
COLLECCHIO
COLORNO
FELINO
FONTEVIVO
FORNOVO DI TARO
LANGHIRANO
LESIGNANO DE'BAGNI

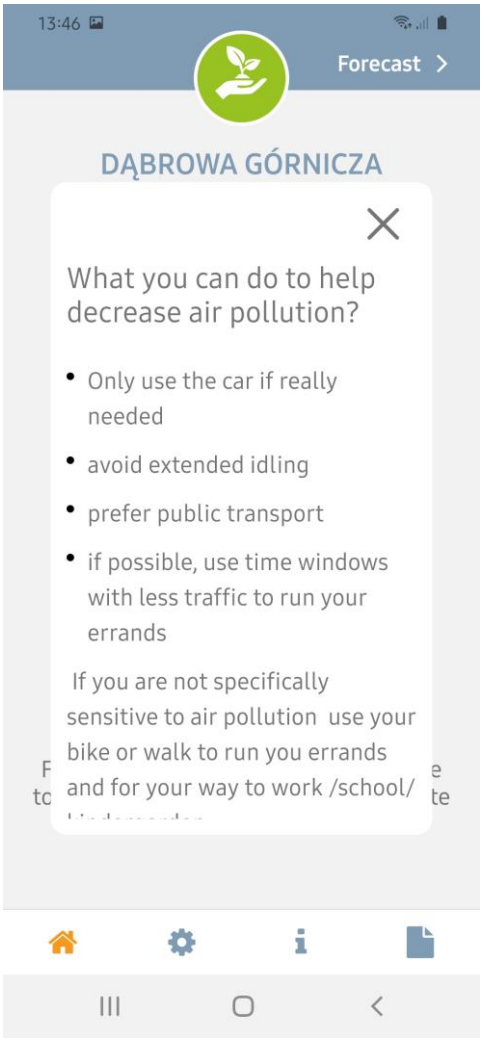

21:51
Forecast
FONTEVIVO
2021/02/23
126
IQA
MODERATE
measured data for today
0-49
50-99
100-149
>150
Members of sensitive groups may experience health effects. The general public is not likely to be affected. Extended exposure to air pollution can pose a small health hazard.

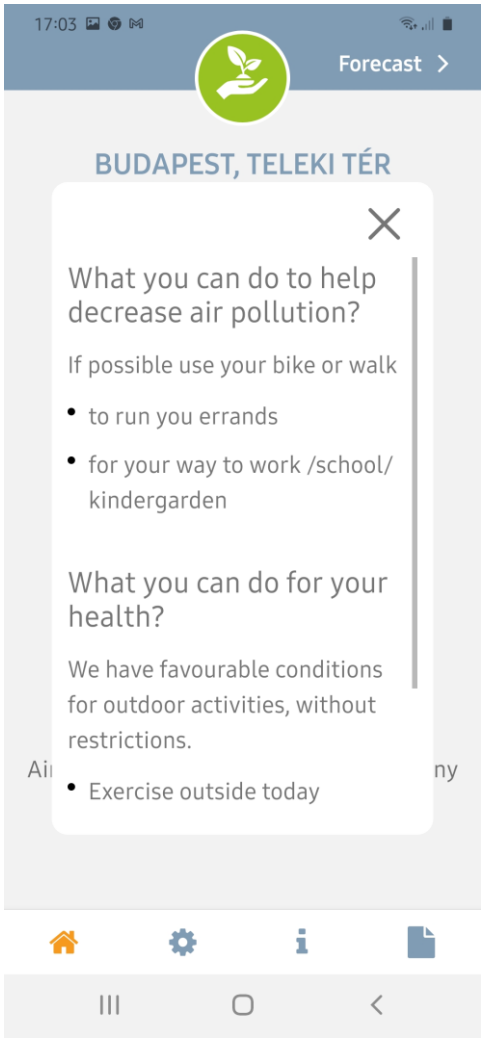

Today
FONTEVIVO
2021/02/23
174
IQA
BAD
forecasted data for tomorrow
0-49
50-99
100-149
>150
For the entire population prolonged exposure to substances in the air increases the risk of adverse health effects, for example changes in the respiratory, cardiovascular and immune systems. Sensitive populations are particularly at


Forecast
COLORNO
2021/02/17
61
AQI
ACCEPTABLE
measured data for today
0-49
50-99
100-145
>150
For people who are unusually sensitive to air pollution there may be a moderate health concern.


Today
BUDAPEST, KŐRAKÁS PARK
2021/02/24
29
PM10
GOOD
forecasted data for tomorrow
0-49
50-74
75-99
>100
Air pollution poses little or no risk for any person


22:01
Today
BUDAPEST, ERZSÉBET TÉR
for your way to work /school/ kindergarden
What you can do for your health?
We have favourable conditions for outdoor activities, without restrictions.
Exercise outside today
open your windows
make sure you eat a diet rich in antioxidants , isoflavonoids and lignans


13:46
Forecast
DĄBROWA GÓRNICZA
What you can do to help decrease air pollution?
Only use the car if really needed
avoid extended idling
prefer public transport
if possible, use time windows with less traffic to run your errands
If you are not specifically sensitive to air pollution use your bike or walk to run you errands and for your way to work /school/


17:03
Forecast
BUDAPEST, TELEKI TÉR
What you can do to help decrease air pollution?
If possible use your bike or walk
to run you errands
for your way to work /school/ kindergarden
What you can do for your health?
We have favourable conditions for outdoor activities, without restrictions.
Exercise outside today